APPENDIX C

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

PART 13
ANALYTICAL REPORTS
240-18735-1
240-18735-2

(Note—To be provided on disc only)

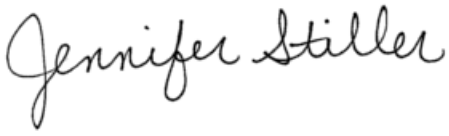
ANALYTICAL REPORT

Job Number: 240-18735-1

Job Description: RVAAP - ECC

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

Attention: Mr. Jackson Kiker



Approved for release.
Jennifer Stiller
Project Mgmt. Assistant
1/9/2013 4:21 PM

Designee for
Mark J Loeb
Project Manager II
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01/09/2013

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Table of Contents

Cover Title Page 1

Data Summaries 5

- Report Narrative 5
- Manual Integration Summary 7
- Sample Summary 8
- Executive Summary 9
- Method Summary 12
- Method / Analyst Summary 13
- Sample Datasheets 14
- Surrogate Summary 36
- QC Data Summary 42
- Data Qualifiers 53
- QC Association Summary 54
- Lab Chronicle 58
- Reagent Traceability 65
  - COAs 77
- Certification Summary 94

Organic Sample Data 95

- GC/MS VOA 95
  - Method 8260B DOD 95
    - Method 8260B DOD QC Summary 96
    - Method 8260B DOD Sample Data 105
    - Standards Data 111
      - Method 8260B DOD ICAL Data 111
      - Method 8260B DOD CCAL Data 145
    - Raw QC Data 169

Table of Contents

Method 8260B DOD Tune Data 169

Method 8260B DOD Blank Data 175

Method 8260B DOD LCS/LCSD Data 181

Method 8260B DOD MS/MSD Data 199

Method 8260B DOD Run Logs 209

Method 8260B DOD Prep Data 211

GC VOA 212

Method 8015B - GRO 212

Method 8015B - GRO QC Summary 213

Method 8015B - GRO Sample Data 227

Standards Data 234

Method 8015B - GRO ICAL Data 234

Method 8015B - GRO CCAL Data 249

Raw QC Data 287

Method 8015B - GRO Blank Data 287

Method 8015B - GRO LCS/LCSD Data 293

Method 8015B - GRO MS/MSD Data 308

Method 8015B - GRO Run Logs 314

Method 8015B - GRO Prep Data 317

Inorganic Sample Data 318

General Chemistry Data 318

Gen Chem Cover Page 319

Gen Chem Sample Data 320

Gen Chem QC Data 338

Gen Chem ICV/CCV 338

Gen Chem Blanks 339

Table of Contents

Gen Chem Duplicates 340

Gen Chem LCS/LCSD 341

Gen Chem MDL 342

Gen Chem Preparation Log 346

Gen Chem Analysis Run Log 347

Gen Chem Raw Data 354

Gen Chem Prep Data 358

Shipping and Receiving Documents 365

Client Chain of Custody 366

CASE NARRATIVE

Client: Environmental Chemical Corp.

Project: RVAAP - ECC

Report Number: 240-18735-1

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

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

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

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

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

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

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

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

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

RECEIPT

The samples were received on 12/12/2012; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 3.8º C, 4.0º C, 4.2º C and 4.6º C

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample 070-0060-0001-TB (240-18735-7) was analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B DoD. The samples were analyzed on 12/20/2012.

Methylene Chloride failed the recovery criteria low for MRL 240-69591/18. Bromoform failed the recovery criteria low for MRL 240-69591/5. Refer to the QC report for details.

No other difficulties were encountered during the VOCs analysis.

All other quality control parameters were within the acceptance limits.

GASOLINE RANGE ORGANICS (GRO)

Sample 070SB-0042M-0001-SO (240-18735-1) was analyzed for gasoline range organics (GRO) in accordance with EPA SW-846 Method 8015B - GRO. The samples were prepared on 12/12/2012 and analyzed on 12/23/2012.

Method(s) 5035: The frozen preserved vials for samples 070SB-0042M-0002-SO (240-18735-1 MSD) did not have the tare weight. The average tare weight of other vials in the job was useed to determine weights for these samples.

No other difficulties were encountered during the GRO analysis.

All quality control parameters were within the acceptance limits.

GASOLINE RANGE ORGANICS (GRO)

Sample 070SB-0055-0001-TB (240-18735-2) was analyzed for gasoline range organics (GRO) in accordance with EPA SW-846 Method 8015B - GRO. The samples were analyzed on 12/22/2012.

No difficulties were encountered during the GRO analysis.

All quality control parameters were within the acceptance limits.

HEXAVALENT CHROMIUM

Samples 076SB-0119-0001-SO (240-18735-8), 076SB-0120-0001-SO (240-18735-9), 076SB-0121-0001-SO (240-18735-10), 076SB-0122-0001-SO (240-18735-11), 076SB-0123-0001-SO (240-18735-12), 076SB-0124-0001-SO (240-18735-13), 076SB-0125-0001-SO (240-18735-14), 076SB-0126-0001-SO (240-18735-15), 076SB-0127-0001-SO (240-18735-16), 076SB-0128-0001-SO (240-18735-17), 076SB-0129-0001-SO (240-18735-18), 076SB-0130-0001-SO (240-18735-19), 076SB-0131-0001-SO (240-18735-20), 076SB-0132-0001-SO (240-18735-21), 076SB-0133-0001-SO (240-18735-22), 076SB-0134-0001-SO (240-18735-23), 076SB-0135-0001-SO (240-18735-24) and 076SB-0136-0001-SO (240-18735-25) were analyzed for hexavalent chromium in accordance with EPA SW-846 Method 3060A/7196A. The samples were prepared on 12/31/2012 and analyzed on 01/02/2013.

No difficulties were encountered during the hexavalent chromium analyses.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples 070SB-0042M-0001-SO (240-18735-1), 076SB-0119-0001-SO (240-18735-8), 076SB-0120-0001-SO (240-18735-9), 076SB-0121-0001-SO (240-18735-10), 076SB-0122-0001-SO (240-18735-11), 076SB-0123-0001-SO (240-18735-12), 076SB-0124-0001-SO (240-18735-13), 076SB-0125-0001-SO (240-18735-14), 076SB-0126-0001-SO (240-18735-15), 076SB-0127-0001-SO (240-18735-16), 076SB-0128-0001-SO (240-18735-17), 076SB-0129-0001-SO (240-18735-18), 076SB-0130-0001-SO (240-18735-19), 076SB-0131-0001-SO (240-18735-20), 076SB-0132-0001-SO (240-18735-21), 076SB-0133-0001-SO (240-18735-22), 076SB-0134-0001-SO (240-18735-23), 076SB-0135-0001-SO (240-18735-24) and 076SB-0136-0001-SO (240-18735-25) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 12/13/2012.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

GASOLINE RANGE ORGANICS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Instrument ID: YPID Analysis Batch Number: 69738

Lab Sample ID: CCV 240-69738/50 Client Sample ID:

Date Analyzed: 12/22/12 17:35 Lab File ID: YF122150.D GC Column: RTX-VRX ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trifluorotoluene (Surr)	9.76	Baseline Event	bosworthh	12/24/12 06:47

Lab Sample ID: CCV 240-69738/71 Client Sample ID:

Date Analyzed: 12/23/12 06:55 Lab File ID: YF122171.D GC Column: RTX-VRX ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trifluorotoluene (Surr)	9.76	Baseline Event	bosworthh	12/24/12 06:51

SAMPLE SUMMARY

Client: Environmental Chemical Corp. Job Number: 240-18735-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-18735-1	070SB-0042M-0001-SO	Solid	12/12/2012 1030	12/12/2012 1707
240-18735-1MS	070SB-0042M-0001-SO	Solid	12/12/2012 1030	12/12/2012 1707
240-18735-1MSD	070SB-0042M-0001-SO	Solid	12/12/2012 1030	12/12/2012 1707
240-18735-1DU	070SB-0042M-0001-SO	Solid	12/12/2012 1030	12/12/2012 1707
240-18735-2	070SB-0055-0001-TB	Water	12/12/2012 0800	12/12/2012 1707
240-18735-7	070-0060-0001-TB	Water	12/12/2012 0800	12/12/2012 1707
240-18735-8	076SB-0119-0001-SO	Solid	12/11/2012 0910	12/12/2012 1707
240-18735-9	076SB-0120-0001-SO	Solid	12/11/2012 1120	12/12/2012 1707
240-18735-10	076SB-0121-0001-SO	Solid	12/11/2012 1050	12/12/2012 1707
240-18735-11	076SB-0122-0001-SO	Solid	12/11/2012 0930	12/12/2012 1707
240-18735-12	076SB-0123-0001-SO	Solid	12/11/2012 0950	12/12/2012 1707
240-18735-13	076SB-0124-0001-SO	Solid	12/11/2012 1015	12/12/2012 1707
240-18735-14	076SB-0125-0001-SO	Solid	12/12/2012 1015	12/12/2012 1707
240-18735-14DU	076SB-0125-0001-SO	Solid	12/12/2012 1015	12/12/2012 1707
240-18735-15	076SB-0126-0001-SO	Solid	12/11/2012 1555	12/12/2012 1707
240-18735-16	076SB-0127-0001-SO	Solid	12/11/2012 1555	12/12/2012 1707
240-18735-17	076SB-0128-0001-SO	Solid	12/11/2012 1520	12/12/2012 1707
240-18735-18	076SB-0129-0001-SO	Solid	12/11/2012 1450	12/12/2012 1707
240-18735-19	076SB-0130-0001-SO	Solid	12/12/2012 1049	12/12/2012 1707
240-18735-20	076SB-0131-0001-SO	Solid	12/12/2012 1124	12/12/2012 1707
240-18735-21	076SB-0132-0001-SO	Solid	12/11/2012 1225	12/12/2012 1707
240-18735-22	076SB-0133-0001-SO	Solid	12/11/2012 1225	12/12/2012 1707
240-18735-23	076SB-0134-0001-SO	Solid	12/11/2012 1315	12/12/2012 1707
240-18735-24	076SB-0135-0001-SO	Solid	12/11/2012 1340	12/12/2012 1707
240-18735-25	076SB-0136-0001-SO	Solid	12/11/2012 1410	12/12/2012 1707

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-18735-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-18735-1	**070SB-0042M-0001-SO**					
Percent Solids		85		0.10	%	Moisture
Percent Moisture		15		0.10	%	Moisture
240-18735-2	**070SB-0055-0001-TB**					
C6-C12		37	J	100	ug/L	8015B
240-18735-7	**070-0060-0001-TB**					
Chloroform		0.32	J	1.0	ug/L	8260B/DoD
240-18735-8	**076SB-0119-0001-SO**					
Percent Solids		88		0.10	%	Moisture
Percent Moisture		12		0.10	%	Moisture
240-18735-9	**076SB-0120-0001-SO**					
Cr (VI)		0.34	J	0.91	mg/Kg	7196A
Percent Solids		87		0.10	%	Moisture
Percent Moisture		13		0.10	%	Moisture
240-18735-10	**076SB-0121-0001-SO**					
Percent Solids		89		0.10	%	Moisture
Percent Moisture		11		0.10	%	Moisture
240-18735-11	**076SB-0122-0001-SO**					
Percent Solids		85		0.10	%	Moisture
Percent Moisture		15		0.10	%	Moisture
240-18735-12	**076SB-0123-0001-SO**					
Percent Solids		87		0.10	%	Moisture
Percent Moisture		13		0.10	%	Moisture
240-18735-13	**076SB-0124-0001-SO**					
Percent Solids		87		0.10	%	Moisture
Percent Moisture		13		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-18735-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-18735-14	**076SB-0125-0001-SO**					
Percent Solids		91		0.10	%	Moisture
Percent Moisture		8.7		0.10	%	Moisture
240-18735-15	**076SB-0126-0001-SO**					
Cr (VI)		0.31	J	0.89	mg/Kg	7196A
Percent Solids		90		0.10	%	Moisture
Percent Moisture		9.7		0.10	%	Moisture
240-18735-16	**076SB-0127-0001-SO**					
Percent Solids		90		0.10	%	Moisture
Percent Moisture		10		0.10	%	Moisture
240-18735-17	**076SB-0128-0001-SO**					
Percent Solids		90		0.10	%	Moisture
Percent Moisture		9.5		0.10	%	Moisture
240-18735-18	**076SB-0129-0001-SO**					
Percent Solids		90		0.10	%	Moisture
Percent Moisture		10		0.10	%	Moisture
240-18735-19	**076SB-0130-0001-SO**					
Percent Solids		91		0.10	%	Moisture
Percent Moisture		8.6		0.10	%	Moisture
240-18735-20	**076SB-0131-0001-SO**					
Percent Solids		92		0.10	%	Moisture
Percent Moisture		8.5		0.10	%	Moisture
240-18735-21	**076SB-0132-0001-SO**					
Percent Solids		81		0.10	%	Moisture
Percent Moisture		19		0.10	%	Moisture
240-18735-22	**076SB-0133-0001-SO**					
Cr (VI)		0.39	J	0.98	mg/Kg	7196A
Percent Solids		81		0.10	%	Moisture
Percent Moisture		19		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-18735-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-18735-23	**076SB-0134-0001-SO**					
Cr (VI)		0.37	J	0.91	mg/Kg	7196A
Percent Solids		88		0.10	%	Moisture
Percent Moisture		12		0.10	%	Moisture
240-18735-24	**076SB-0135-0001-SO**					
Percent Solids		87		0.10	%	Moisture
Percent Moisture		13		0.10	%	Moisture
240-18735-25	**076SB-0136-0001-SO**					
Percent Solids		87		0.10	%	Moisture
Percent Moisture		13		0.10	%	Moisture

METHOD SUMMARY

Client: Environmental Chemical Corp. Job Number: 240-18735-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Gasoline Range Organics - (GC)	TAL NC	SW846 8015B	
Closed System Purge and Trap	TAL NC		SW846 5035
Chromium, Hexavalent	TAL NC	SW846 7196A	
Alkaline Digestion (Chromium, Hexavalent)	TAL NC		SW846 3060A
Percent Moisture	TAL NC	EPA Moisture	
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL NC	SW846 8260B/DoD	
Purge and Trap	TAL NC		SW846 5030B
Gasoline Range Organics - (GC)	TAL NC	SW846 8015B	
Purge and Trap	TAL NC		SW846 5030B

Lab References:

TAL NC = TestAmerica Canton

Method References:

EPA = US Environmental Protection Agency

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

METHOD / ANALYST SUMMARY

Client: Environmental Chemical Corp. Job Number: 240-18735-1

Method	Analyst	Analyst ID
SW846 8260B/DoD	Quayle, Rick	RQ
SW846 8015B	Bosworth, Heather M	HMB
SW846 7196A	Grossman, Lucas	LG
EPA Moisture	Harshman, Tom	TH

Client: Environmental Chemical Corp. Job Number: 240-18735-1

Client Sample ID: **070-0060-0001-TB**

Lab Sample ID: 240-18735-7 Date Sampled: 12/12/2012 0800
Client Matrix: Water Date Received: 12/12/2012 1707

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

Analysis Method:	8260B/DoD	Analysis Batch:	240-69591	Instrument ID:	A3UX10
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXX1599.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/20/2012 1637			Final Weight/Volume:	5 mL
Prep Date:	12/20/2012 1637				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	92		85 - 120
1,2-Dichloroethane-d4 (Surr)	95		70 - 120
4-Bromofluorobenzene (Surr)	89		75 - 120
Dibromofluoromethane (Surr)	104		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-18735-1

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

Lab Sample ID: 240-18735-1 Date Sampled: 12/12/2012 1030
Client Matrix: Solid % Moisture: 15.1 Date Received: 12/12/2012 1707

8015B Gasoline Range Organics - (GC)

Analysis Method:	8015B	Analysis Batch:	240-69738	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-69885	Initial Weight/Volume:	5.999 g
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	12/23/2012 0733			Injection Volume:	
Prep Date:	12/12/2012 2210			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
C6-C12		49	U	45	98

Surrogate	%Rec	Qualifier	Acceptance Limits
Trifluorotoluene (Surr)	43		10 - 150

Client: Environmental Chemical Corp. Job Number: 240-18735-1

Client Sample ID: **070SB-0055-0001-TB**

Lab Sample ID: 240-18735-2 Date Sampled: 12/12/2012 0800
Client Matrix: Water Date Received: 12/12/2012 1707

8015B Gasoline Range Organics - (GC)

Analysis Method:	8015B	Analysis Batch:	240-69738	Instrument ID:	YPID
Prep Method:	5030B		N/A	Initial Weight/Volume:	5 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	12/22/2012 1541			Injection Volume:	
Prep Date:	12/22/2012 1541			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	DL	LOQ
C6-C12	37	J	25	100

Surrogate	%Rec	Qualifier	Acceptance Limits
Trifluorotoluene (Surr)	86		10 - 150

General Chemistry

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

Lab Sample ID: 240-18735-1 Date Sampled: 12/12/2012 1030

Client Matrix: Solid Date Received: 12/12/2012 1707

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	85		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68573	Analysis Date: 12/13/2012 1213						DryWt Corrected: N
Percent Moisture	15		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68573	Analysis Date: 12/13/2012 1213						DryWt Corrected: N

General Chemistry

Client Sample ID: **076SB-0119-0001-SO**

Lab Sample ID: 240-18735-8 Date Sampled: 12/11/2012 0910
Client Matrix: Solid % Moisture: 12.5 Date Received: 12/12/2012 1707

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Cr (VI)	0.91	U	mg/Kg	0.31	0.91	1.0	7196A
Analysis Batch: 240-70884	Analysis Date: 01/02/2013 1253						DryWt Corrected: Y
Prep Batch: 240-70771	Prep Date: 12/31/2012 1331						
Percent Solids	88		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68573	Analysis Date: 12/13/2012 1344						DryWt Corrected: N
Percent Moisture	12		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68573	Analysis Date: 12/13/2012 1344						DryWt Corrected: N

General Chemistry

Client Sample ID: **076SB-0120-0001-SO**

Lab Sample ID: 240-18735-9 Date Sampled: 12/11/2012 1120

Client Matrix: Solid % Moisture: 12.5 Date Received: 12/12/2012 1707

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Cr (VI)	0.34	J	mg/Kg	0.31	0.91	1.0	7196A
Analysis Batch: 240-70884	Analysis Date: 01/02/2013 1254						DryWt Corrected: Y
Prep Batch: 240-70771	Prep Date: 12/31/2012 1331						
Percent Solids	87		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68573	Analysis Date: 12/13/2012 1213						DryWt Corrected: N
Percent Moisture	13		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68573	Analysis Date: 12/13/2012 1213						DryWt Corrected: N

General Chemistry

Client Sample ID: **076SB-0121-0001-SO**

Lab Sample ID: 240-18735-10 Date Sampled: 12/11/2012 1050
Client Matrix: Solid % Moisture: 11.1 Date Received: 12/12/2012 1707

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Cr (VI)	0.90	U	mg/Kg	0.30	0.90	1.0	7196A
Analysis Batch: 240-70884	Analysis Date: 01/02/2013 1257						DryWt Corrected: Y
Prep Batch: 240-70771	Prep Date: 12/31/2012 1331						
Percent Solids	89		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68573	Analysis Date: 12/13/2012 1213						DryWt Corrected: N
Percent Moisture	11		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68573	Analysis Date: 12/13/2012 1213						DryWt Corrected: N

General Chemistry

Client Sample ID: **076SB-0122-0001-SO**

Lab Sample ID: 240-18735-11 Date Sampled: 12/11/2012 0930
Client Matrix: Solid % Moisture: 15.1 Date Received: 12/12/2012 1707

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Cr (VI)	0.94	U	mg/Kg	0.32	0.94	1.0	7196A
Analysis Batch: 240-70884	Analysis Date: 01/02/2013 1257						DryWt Corrected: Y
Prep Batch: 240-70771	Prep Date: 12/31/2012 1331						
Percent Solids	85		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68573	Analysis Date: 12/13/2012 1213						DryWt Corrected: N
Percent Moisture	15		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68573	Analysis Date: 12/13/2012 1213						DryWt Corrected: N

General Chemistry

Client Sample ID: **076SB-0123-0001-SO**

Lab Sample ID: 240-18735-12 Date Sampled: 12/11/2012 0950
Client Matrix: Solid % Moisture: 13.5 Date Received: 12/12/2012 1707

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Cr (VI)	0.92	U	mg/Kg	0.31	0.92	1.0	7196A
Analysis Batch: 240-70884	Analysis Date: 01/02/2013 1311						DryWt Corrected: Y
Prep Batch: 240-70771	Prep Date: 12/31/2012 1331						
Percent Solids	87		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68573	Analysis Date: 12/13/2012 1213						DryWt Corrected: N
Percent Moisture	13		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68573	Analysis Date: 12/13/2012 1213						DryWt Corrected: N

General Chemistry

Client Sample ID: **076SB-0124-0001-SO**

Lab Sample ID: 240-18735-13 Date Sampled: 12/11/2012 1015
Client Matrix: Solid % Moisture: 13.5 Date Received: 12/12/2012 1707

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Cr (VI)	0.92	U	mg/Kg	0.31	0.92	1.0	7196A
Analysis Batch: 240-70884	Analysis Date: 01/02/2013 1311						DryWt Corrected: Y
Prep Batch: 240-70771	Prep Date: 12/31/2012 1331						
Percent Solids	87		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68573	Analysis Date: 12/13/2012 1213						DryWt Corrected: N
Percent Moisture	13		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68573	Analysis Date: 12/13/2012 1213						DryWt Corrected: N

General Chemistry

Client Sample ID: **076SB-0125-0001-SO**

Lab Sample ID: 240-18735-14 Date Sampled: 12/12/2012 1015

Client Matrix: Solid % Moisture: 8.7 Date Received: 12/12/2012 1707

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Cr (VI)	0.88	U	mg/Kg	0.30	0.88	1.0	7196A
Analysis Batch: 240-70884	Analysis Date: 01/02/2013 1315						DryWt Corrected: Y
Prep Batch: 240-70771	Prep Date: 12/31/2012 1331						
Percent Solids	91		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68573	Analysis Date: 12/13/2012 1213						DryWt Corrected: N
Percent Moisture	8.7		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68573	Analysis Date: 12/13/2012 1213						DryWt Corrected: N

General Chemistry

Client Sample ID: **076SB-0126-0001-SO**

Lab Sample ID: 240-18735-15 Date Sampled: 12/11/2012 1555

Client Matrix: Solid % Moisture: 9.7 Date Received: 12/12/2012 1707

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Cr (VI)	0.31	J	mg/Kg	0.30	0.89	1.0	7196A
Analysis Batch: 240-70884	Analysis Date: 01/02/2013 1317						DryWt Corrected: Y
Prep Batch: 240-70771	Prep Date: 12/31/2012 1331						
Percent Solids	90		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68573	Analysis Date: 12/13/2012 1213						DryWt Corrected: N
Percent Moisture	9.7		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68573	Analysis Date: 12/13/2012 1213						DryWt Corrected: N

General Chemistry

Client Sample ID: **076SB-0127-0001-SO**

Lab Sample ID: 240-18735-16 Date Sampled: 12/11/2012 1555
Client Matrix: Solid % Moisture: 10.1 Date Received: 12/12/2012 1707

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Cr (VI)	0.89	U	mg/Kg	0.30	0.89	1.0	7196A
Analysis Batch: 240-70884	Analysis Date: 01/02/2013 1318						DryWt Corrected: Y
Prep Batch: 240-70771	Prep Date: 12/31/2012 1331						
Percent Solids	90		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68573	Analysis Date: 12/13/2012 1213						DryWt Corrected: N
Percent Moisture	10		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68573	Analysis Date: 12/13/2012 1213						DryWt Corrected: N

General Chemistry

Client Sample ID: **076SB-0128-0001-SO**

Lab Sample ID: 240-18735-17 Date Sampled: 12/11/2012 1520

Client Matrix: Solid % Moisture: 9.5 Date Received: 12/12/2012 1707

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Cr (VI)	0.88	U	mg/Kg	0.30	0.88	1.0	7196A
Analysis Batch: 240-70884	Analysis Date: 01/02/2013 1326						DryWt Corrected: Y
Prep Batch: 240-70771	Prep Date: 12/31/2012 1331						
Percent Solids	90		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68573	Analysis Date: 12/13/2012 1213						DryWt Corrected: N
Percent Moisture	9.5		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68573	Analysis Date: 12/13/2012 1213						DryWt Corrected: N

General Chemistry

Client Sample ID: **076SB-0129-0001-SO**

Lab Sample ID: 240-18735-18 Date Sampled: 12/11/2012 1450
Client Matrix: Solid % Moisture: 10.1 Date Received: 12/12/2012 1707

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Cr (VI)	0.89	U	mg/Kg	0.30	0.89	1.0	7196A
Analysis Batch: 240-70884	Analysis Date: 01/02/2013 1330						DryWt Corrected: Y
Prep Batch: 240-70771	Prep Date: 12/31/2012 1331						
Percent Solids	90		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68573	Analysis Date: 12/13/2012 1213						DryWt Corrected: N
Percent Moisture	10		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68573	Analysis Date: 12/13/2012 1213						DryWt Corrected: N

General Chemistry

Client Sample ID: **076SB-0130-0001-SO**

Lab Sample ID: 240-18735-19 Date Sampled: 12/12/2012 1049

Client Matrix: Solid % Moisture: 8.6 Date Received: 12/12/2012 1707

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Cr (VI)	0.88	U	mg/Kg	0.30	0.88	1.0	7196A
Analysis Batch: 240-70884	Analysis Date: 01/02/2013 1333						DryWt Corrected: Y
Prep Batch: 240-70771	Prep Date: 12/31/2012 1331						
Percent Solids	91		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68573	Analysis Date: 12/13/2012 1213						DryWt Corrected: N
Percent Moisture	8.6		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68573	Analysis Date: 12/13/2012 1213						DryWt Corrected: N

General Chemistry

Client Sample ID: **076SB-0131-0001-SO**

Lab Sample ID: 240-18735-20 Date Sampled: 12/12/2012 1124
Client Matrix: Solid % Moisture: 8.5 Date Received: 12/12/2012 1707

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Cr (VI)	0.87	U	mg/Kg	0.29	0.87	1.0	7196A
Analysis Batch: 240-70884	Analysis Date: 01/02/2013 1334						DryWt Corrected: Y
Prep Batch: 240-70771	Prep Date: 12/31/2012 1331						
Percent Solids	92		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68573	Analysis Date: 12/13/2012 1213						DryWt Corrected: N
Percent Moisture	8.5		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68573	Analysis Date: 12/13/2012 1213						DryWt Corrected: N

General Chemistry

Client Sample ID: **076SB-0132-0001-SO**

Lab Sample ID: 240-18735-21 Date Sampled: 12/11/2012 1225
Client Matrix: Solid % Moisture: 19.0 Date Received: 12/12/2012 1707

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Cr (VI)	0.99	U	mg/Kg	0.33	0.99	1.0	7196A
Analysis Batch: 240-70884	Analysis Date: 01/02/2013 1337						DryWt Corrected: Y
Prep Batch: 240-70771	Prep Date: 12/31/2012 1331						
Percent Solids	81		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68573	Analysis Date: 12/13/2012 1213						DryWt Corrected: N
Percent Moisture	19		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68573	Analysis Date: 12/13/2012 1213						DryWt Corrected: N

General Chemistry

Client Sample ID: **076SB-0133-0001-SO**

Lab Sample ID: 240-18735-22 Date Sampled: 12/11/2012 1225
Client Matrix: Solid % Moisture: 18.8 Date Received: 12/12/2012 1707

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Cr (VI)	0.39	J	mg/Kg	0.33	0.98	1.0	7196A
Analysis Batch: 240-70884	Analysis Date: 01/02/2013 1338						DryWt Corrected: Y
Prep Batch: 240-70771	Prep Date: 12/31/2012 1331						
Percent Solids	81		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68573	Analysis Date: 12/13/2012 1213						DryWt Corrected: N
Percent Moisture	19		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68573	Analysis Date: 12/13/2012 1213						DryWt Corrected: N

General Chemistry

Client Sample ID: **076SB-0134-0001-SO**

Lab Sample ID: 240-18735-23 Date Sampled: 12/11/2012 1315
Client Matrix: Solid % Moisture: 11.6 Date Received: 12/12/2012 1707

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Cr (VI)	0.37	J	mg/Kg	0.31	0.91	1.0	7196A
Analysis Batch: 240-70884	Analysis Date: 01/02/2013 1343						DryWt Corrected: Y
Prep Batch: 240-70771	Prep Date: 12/31/2012 1331						
Percent Solids	88		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68573	Analysis Date: 12/13/2012 1213						DryWt Corrected: N
Percent Moisture	12		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68573	Analysis Date: 12/13/2012 1213						DryWt Corrected: N

General Chemistry

Client Sample ID: **076SB-0135-0001-SO**

Lab Sample ID: 240-18735-24 Date Sampled: 12/11/2012 1340
Client Matrix: Solid % Moisture: 13.2 Date Received: 12/12/2012 1707

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Cr (VI)	0.92	U	mg/Kg	0.31	0.92	1.0	7196A
Analysis Batch: 240-70884	Analysis Date: 01/02/2013 1343						DryWt Corrected: Y
Prep Batch: 240-70771	Prep Date: 12/31/2012 1331						
Percent Solids	87		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68573	Analysis Date: 12/13/2012 1213						DryWt Corrected: N
Percent Moisture	13		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68573	Analysis Date: 12/13/2012 1213						DryWt Corrected: N

General Chemistry

Client Sample ID: **076SB-0136-0001-SO**

Lab Sample ID: 240-18735-25 Date Sampled: 12/11/2012 1410
Client Matrix: Solid % Moisture: 13.5 Date Received: 12/12/2012 1707

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Cr (VI)	0.92	U	mg/Kg	0.31	0.92	1.0	7196A
Analysis Batch: 240-70884	Analysis Date: 01/02/2013 1347						DryWt Corrected: Y
Prep Batch: 240-70771	Prep Date: 12/31/2012 1331						
Percent Solids	87		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68573	Analysis Date: 12/13/2012 1344						DryWt Corrected: N
Percent Moisture	13		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68573	Analysis Date: 12/13/2012 1344						DryWt Corrected: N

Client: Environmental Chemical Corp. Job Number: 240-18735-1

Surrogate Recovery Report

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

Client Matrix: Water

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
MRL 240-69591/5		99	88	97	97
MRL 240-69591/18		98	92	99	101

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	50-150
DCA = 1,2-Dichloroethane-d4 (Surr)	50-150
TOL = Toluene-d8 (Surr)	50-150
BFB = 4-Bromofluorobenzene (Surr)	50-150

Client: Environmental Chemical Corp. Job Number: 240-18735-1

Surrogate Recovery Report

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

Client Matrix: Water

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
240-18735-7	070-0060-0001-TB	104	95	92	89
MB 240-69591/6		99	91	95	91
LCS 240-69591/4		98	90	98	107

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	85-115
DCA = 1,2-Dichloroethane-d4 (Surr)	70-120
TOL = Toluene-d8 (Surr)	85-120
BFB = 4-Bromofluorobenzene (Surr)	75-120

Client: Environmental Chemical Corp. Job Number: 240-18735-1

Surrogate Recovery Report

8015B Gasoline Range Organics - (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TFT1 %Rec
240-18735-1	070SB-0042M-0001-SO	43
MB 240-69738/52		89
LCS 240-69738/53		101
240-18735-1 MS	070SB-0042M-0001-SO MS	63
240-18735-1 MSD	070SB-0042M-0001-SO MSD	64

Surrogate	Acceptance Limits
TFT = Trifluorotoluene (Surr)	10-150

Client: Environmental Chemical Corp. Job Number: 240-18735-1

Surrogate Recovery Report

8015B Gasoline Range Organics - (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TFT1 %Rec
MRL 240-69738/51		85
MRL 240-69738/76		84

Surrogate	Acceptance Limits
TFT = Trifluorotoluene (Surr)	70-130

Client: Environmental Chemical Corp. Job Number: 240-18735-1

Surrogate Recovery Report

8015B Gasoline Range Organics - (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	TFT1 %Rec
240-18735-2	070SB-0055-0001-TB	86
MB 240-69738/36		76
LCS 240-69738/37		92

Surrogate	Acceptance Limits
TFT = Trifluorotoluene (Surr)	10-150

Client: Environmental Chemical Corp. Job Number: 240-18735-1

Surrogate Recovery Report

8015B Gasoline Range Organics - (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	TFT1 %Rec
MRL 240-69738/35		85

Surrogate	Acceptance Limits
TFT = Trifluorotoluene (Surr)	70-130

Client: Environmental Chemical Corp. Job Number: 240-18735-1

Method Blank - Batch: 240-69591

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	MB 240-69591/6	Analysis Batch:	240-69591	Instrument ID:	A3UX10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXX1590.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/20/2012 1305	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/20/2012 1305				
Leach Date:	N/A				

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

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	95	85 - 120
1,2-Dichloroethane-d4 (Surr)	91	70 - 120
4-Bromofluorobenzene (Surr)	91	75 - 120
Dibromofluoromethane (Surr)	99	85 - 115

Client: Environmental Chemical Corp. Job Number: 240-18735-1

Lab Control Sample - Batch: 240-69591

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	LCS 240-69591/4	Analysis Batch:	240-69591	Instrument ID:	A3UX10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXX1588.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/20/2012 1221	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/20/2012 1221				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	10.0	9.73	97	65 - 130	
1,1,2,2-Tetrachloroethane	10.0	8.20	82	65 - 130	
1,1,2-Trichloroethane	10.0	9.41	94	75 - 125	
1,1-Dichloroethane	10.0	9.80	98	70 - 135	
1,1-Dichloroethene	10.0	9.70	97	70 - 130	
1,2-Dichloroethane	10.0	9.38	94	70 - 130	
1,2-Dichloropropane	10.0	9.91	99	75 - 125	
2-Butanone (MEK)	20.0	18.0	90	30 - 150	
2-Hexanone	20.0	17.6	88	55 - 130	
4-Methyl-2-pentanone (MIBK)	20.0	19.8	99	60 - 135	
Acetone	20.0	20.6	103	40 - 140	
Benzene	10.0	9.74	97	80 - 120	
Bromoform	10.0	8.65	86	70 - 130	
Bromomethane	10.0	8.59	86	30 - 145	
Carbon disulfide	10.0	10.2	102	35 - 160	
Carbon tetrachloride	10.0	9.96	100	65 - 140	
Chlorobenzene	10.0	9.56	96	80 - 120	
Chloromethane	10.0	8.62	86	40 - 125	
cis-1,3-Dichloropropene	10.0	9.52	95	70 - 130	
Dibromochloromethane	10.0	9.25	92	60 - 135	
Bromodichloromethane	10.0	9.81	98	75 - 120	
Ethylbenzene	10.0	9.95	100	75 - 125	
Methyl tert-butyl ether	10.0	9.55	96	65 - 125	
Methylene Chloride	10.0	9.92	99	55 - 140	
Styrene	10.0	10.1	101	65 - 135	
Tetrachloroethene	10.0	9.89	99	45 - 150	
Toluene	10.0	9.48	95	75 - 120	
trans-1,3-Dichloropropene	10.0	8.78	88	55 - 140	
Trichloroethene	10.0	10.2	102	70 - 125	
Vinyl chloride	10.0	8.84	88	50 - 145	
Xylenes, Total	30.0	30.2	101	75 - 130	
Chloroform	10.0	9.19	92	65 - 135	
Bromochloromethane	10.0	9.74	97	65 - 130	
Chloroethane	10.0	9.33	93	60 - 135	

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	98	85 - 120
1,2-Dichloroethane-d4 (Surr)	90	70 - 120
4-Bromofluorobenzene (Surr)	107	75 - 120
Dibromofluoromethane (Surr)	98	85 - 115

Client: Environmental Chemical Corp. Job Number: 240-18735-1

Method Reporting Limit Check - Batch: 240-69591

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	MRL 240-69591/5	Analysis Batch:	240-69591	Instrument ID:	A3UX10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXX1589.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/20/2012 1243	Units:	ng/uL	Final Weight/Volume:	5 mL
Prep Date:	12/20/2012 1243				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	0.00100	0.000965	97	70 - 130	J
1,1,2,2-Tetrachloroethane	0.00100	0.000928	93	70 - 130	J
1,1,2-Trichloroethane	0.00100	0.000894	89	70 - 130	J
1,1-Dichloroethane	0.00100	0.000865	86	70 - 130	J
1,1-Dichloroethene	0.00100	0.000938	94	70 - 130	J
1,2-Dichloroethane	0.00100	0.000901	90	70 - 130	J
1,2-Dichloropropane	0.00100	0.000908	91	70 - 130	J
2-Butanone (MEK)	0.0100	0.00922	92	70 - 130	J
2-Hexanone	0.0100	0.00828	83	70 - 130	J
4-Methyl-2-pentanone (MIBK)	0.0100	0.00899	90	70 - 130	J
Acetone	0.0100	0.00910	91	70 - 130	J
Benzene	0.00100	0.000979	98	70 - 130	J
Bromoform	0.00100	0.000679	68	70 - 130	J ^
Bromomethane	0.00100	0.00103	103	70 - 130	
Carbon disulfide	0.00100	0.00102	102	70 - 130	
Carbon tetrachloride	0.00100	0.000896	90	70 - 130	J
Chlorobenzene	0.00100	0.000910	91	70 - 130	J
Chloromethane	0.00100	0.000961	96	70 - 130	J
cis-1,3-Dichloropropene	0.00100	0.000779	78	70 - 130	J
Dibromochloromethane	0.00100	0.000754	75	70 - 130	J
Bromodichloromethane	0.00100	0.000865	86	70 - 130	J
Ethylbenzene	0.00100	0.000799	80	70 - 130	J
Methyl tert-butyl ether	0.00100	0.000889	89	70 - 130	J
Methylene Chloride	0.00100	0.00105	105	70 - 130	
Styrene	0.00100	0.000737	74	70 - 130	J
Tetrachloroethene	0.00100	0.000980	98	70 - 130	J
Toluene	0.00100	0.000959	96	70 - 130	J
trans-1,3-Dichloropropene	0.00100	0.000696	70	70 - 130	J
Trichloroethene	0.00100	0.000960	96	70 - 130	J
Vinyl chloride	0.00100	0.000959	96	70 - 130	J
Xylenes, Total	0.00300	0.00253	84	70 - 130	
Chloroform	0.00100	0.000918	92	70 - 130	J
Bromochloromethane	0.00100	0.000922	92	70 - 130	J
Chloroethane	0.00100	0.000981	98	70 - 130	J

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	97	50 - 150
1,2-Dichloroethane-d4 (Surr)	88	50 - 150
4-Bromofluorobenzene (Surr)	97	50 - 150
Dibromofluoromethane (Surr)	99	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-18735-1

Method Reporting Limit Check - Batch: 240-69591

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	MRL 240-69591/18	Analysis Batch:	240-69591	Instrument ID:	A3UX10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXX1602.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/20/2012 1742	Units:	ng/uL	Final Weight/Volume:	5 mL
Prep Date:	12/20/2012 1742				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	0.00100	0.000975	98	70 - 130	J
1,1,2,2-Tetrachloroethane	0.00100	0.000914	91	70 - 130	J
1,1,2-Trichloroethane	0.00100	0.000955	96	70 - 130	J
1,1-Dichloroethane	0.00100	0.000967	97	70 - 130	J
1,1-Dichloroethene	0.00100	0.000977	98	70 - 130	J
1,2-Dichloroethane	0.00100	0.00101	101	70 - 130	
1,2-Dichloropropane	0.00100	0.000992	99	70 - 130	J
2-Butanone (MEK)	0.0100	0.00903	90	70 - 130	J
2-Hexanone	0.0100	0.00856	86	70 - 130	J
4-Methyl-2-pentanone (MIBK)	0.0100	0.00853	85	70 - 130	J
Acetone	0.0100	0.00944	94	70 - 130	J
Benzene	0.00100	0.00101	101	70 - 130	
Bromoform	0.00100	0.000816	82	70 - 130	J
Bromomethane	0.00100	0.00119	119	70 - 130	
Carbon disulfide	0.00100	0.00103	103	70 - 130	
Carbon tetrachloride	0.00100	0.000881	88	70 - 130	J
Chlorobenzene	0.00100	0.000975	98	70 - 130	J
Chloromethane	0.00100	0.00109	109	70 - 130	
cis-1,3-Dichloropropene	0.00100	0.000806	81	70 - 130	J
Dibromochloromethane	0.00100	0.000871	87	70 - 130	J
Bromodichloromethane	0.00100	0.000940	94	70 - 130	J
Ethylbenzene	0.00100	0.000912	91	70 - 130	J
Methyl tert-butyl ether	0.00100	0.000923	92	70 - 130	J
Methylene Chloride	0.00100	0.000617	62	70 - 130	J ^
Styrene	0.00100	0.000787	79	70 - 130	J
Tetrachloroethene	0.00100	0.000921	92	70 - 130	J
Toluene	0.00100	0.00100	100	70 - 130	
trans-1,3-Dichloropropene	0.00100	0.000735	74	70 - 130	J
Trichloroethene	0.00100	0.00104	104	70 - 130	
Vinyl chloride	0.00100	0.00107	107	70 - 130	
Xylenes, Total	0.00300	0.00250	83	70 - 130	
Chloroform	0.00100	0.000952	95	70 - 130	J
Bromochloromethane	0.00100	0.00106	106	70 - 130	
Chloroethane	0.00100	0.00118	118	70 - 130	

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	99	50 - 150
1,2-Dichloroethane-d4 (Surr)	92	50 - 150
4-Bromofluorobenzene (Surr)	101	50 - 150
Dibromofluoromethane (Surr)	98	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-18735-1

Method Blank - Batch: 240-69738 **Method: 8015B**
Preparation: 5030B

Lab Sample ID:	MB 240-69738/36	Analysis Batch:	240-69738	Instrument ID:	YPID
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	YF122136.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/22/2012 0846	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/22/2012 0846			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
C6-C12	50	U	25	100

Surrogate	% Rec	Acceptance Limits
Trifluorotoluene (Surr)	76	10 - 150

Method Blank - Batch: 240-69738 **Method: 8015B**
Preparation: N/A

Lab Sample ID:	MB 240-69738/52	Analysis Batch:	240-69738	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	YF122152.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	12/22/2012 1853	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
C6-C12	50	U	46	100

Surrogate	% Rec	Acceptance Limits
Trifluorotoluene (Surr)	89	10 - 150

Client: Environmental Chemical Corp. Job Number: 240-18735-1

Method Reporting Limit Check - Batch: 240-69738

Method: 8015B
Preparation: 5030B

Lab Sample ID:	MRL 240-69738/35	Analysis Batch:	240-69738	Instrument ID:	YPID
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	YF122135.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/22/2012 0808	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/22/2012 0808			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
C6-C12	100	78.6	79	70 - 130	J

Surrogate	% Rec	Acceptance Limits
Trifluorotoluene (Surr)	85	70 - 130

Lab Control Sample - Batch: 240-69738

Method: 8015B
Preparation: 5030B

Lab Sample ID:	LCS 240-69738/37	Analysis Batch:	240-69738	Instrument ID:	YPID
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	YF122137.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/22/2012 0924	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/22/2012 0924			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
C6-C12	800	830	104	72 - 140	

Surrogate	% Rec	Acceptance Limits
Trifluorotoluene (Surr)	92	10 - 150

Method Reporting Limit Check - Batch: 240-69738

Method: 8015B
Preparation: N/A

Lab Sample ID:	MRL 240-69738/51	Analysis Batch:	240-69738	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	YF122151.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/22/2012 1814	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	N/A			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
C6-C12	100	115	115	70 - 130	

Surrogate	% Rec	Acceptance Limits
Trifluorotoluene (Surr)	85	70 - 130

Client: Environmental Chemical Corp. Job Number: 240-18735-1

Lab Control Sample - Batch: 240-69738

Method: 8015B
Preparation: N/A

Lab Sample ID:	LCS 240-69738/53	Analysis Batch:	240-69738	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	YF122153.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	12/22/2012 1932	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
C6-C12	800	965	121	60 - 142	

Surrogate	% Rec	Acceptance Limits
Trifluorotoluene (Surr)	101	10 - 150

Method Reporting Limit Check - Batch: 240-69738

Method: 8015B
Preparation: N/A

Lab Sample ID:	MRL 240-69738/76	Analysis Batch:	240-69738	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	YF122176.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/23/2012 1005	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	N/A			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
C6-C12	100	83.6	84	70 - 130	J

Surrogate	% Rec	Acceptance Limits
Trifluorotoluene (Surr)	84	70 - 130

Client: Environmental Chemical Corp. Job Number: 240-18735-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-69885

Method: 8015B
Preparation: 5035

MS Lab Sample ID:	240-18735-1	Analysis Batch:	240-69738	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-69885	Lab File ID:	YF122173.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	6.126 g
Analysis Date:	12/23/2012 0810			Final Weight/Volume:	5 mL
Prep Date:	12/12/2012 2210			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	240-18735-1	Analysis Batch:	240-69738	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-69885	Lab File ID:	YF122174.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	6.092 g
Analysis Date:	12/23/2012 0849			Final Weight/Volume:	5 mL
Prep Date:	12/12/2012 2210			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
C6-C12	64	60	10 - 142	5	94		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Trifluorotoluene (Surr)	63	64	10 - 150

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-69885

Method: 8015B
Preparation: 5035

MS Lab Sample ID:	240-18735-1	Units:	ug/Kg	MSD Lab Sample ID:	240-18735-1
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/23/2012 0810			Analysis Date:	12/23/2012 0849
Prep Date:	12/12/2012 2210			Prep Date:	12/12/2012 2210
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
C6-C12	49	U	769	773	491	466

Client: Environmental Chemical Corp. Job Number: 240-18735-1

Method Blank - Batch: 240-70771

Method: 7196A
Preparation: 3060A

Lab Sample ID:	MB 240-70771/9-A	Analysis Batch:	240-70884	Instrument ID:	ERNIE-CR
Client Matrix:	Solid	Prep Batch:	240-70771	Lab File ID:	70771.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.5 g
Analysis Date:	01/02/2013 0000	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	12/31/2012 1331				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Cr (VI)	0.80	U	0.27	0.80

Lab Control Sample Insoluble - Batch: 240-70771

Method: 7196A
Preparation: 3060A

Lab Sample ID:	LCSI 240-70771/11-A	Analysis Batch:	240-70884	Instrument ID:	ERNIE-CR
Client Matrix:	Solid	Prep Batch:	240-70771	Lab File ID:	70771.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.5 g
Analysis Date:	01/02/2013 0000	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	12/31/2012 1331				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cr (VI)	643	690	107	75 - 125	

Lab Control Sample Soluble - Batch: 240-70771

Method: 7196A
Preparation: 3060A

Lab Sample ID:	LCSS 240-70771/10-A	Analysis Batch:	240-70884	Instrument ID:	ERNIE-CR
Client Matrix:	Solid	Prep Batch:	240-70771	Lab File ID:	70771.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.5 g
Analysis Date:	01/02/2013 0000	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	12/31/2012 1331				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cr (VI)	20.0	20.6	103	90 - 110	

Client: Environmental Chemical Corp. Job Number: 240-18735-1

Duplicate - Batch: 240-70771

Method: 7196A
Preparation: 3060A

Lab Sample ID:	240-18735-14	Analysis Batch:	240-70884	Instrument ID:	ERNIE-CR
Client Matrix:	Solid	Prep Batch:	240-70771	Lab File ID:	70771.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.5 g
Analysis Date:	01/02/2013 1314	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	12/31/2012 1331				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Cr (VI)	0.88	U	0.86	NC		U

Client: Environmental Chemical Corp. Job Number: 240-18735-1

Duplicate - Batch: 240-68573 **Method: Moisture**
Preparation: N/A

Lab Sample ID:	240-18735-1	Analysis Batch:	240-68573	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	12/13/2012 1213	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	85	87	2	20	
Percent Moisture	15	13	15	20	

Duplicate - Batch: 240-68573 **Method: Moisture**
Preparation: N/A

Lab Sample ID:	240-18735-14	Analysis Batch:	240-68573	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	12/13/2012 1213	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	91	93	1	20	
Percent Moisture	8.7	7.5	15	20	

Duplicate - Batch: 240-68573 **Method: Moisture**
Preparation: N/A

Lab Sample ID:	240-18735-25	Analysis Batch:	240-68573	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	12/13/2012 1344	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	87	87	0.2	20	
Percent Moisture	13	13	1	20	

DATA REPORTING QUALIFIERS

Client: Environmental Chemical Corp. Job Number: 240-18735-1

Lab Section	Qualifier	Description
GC/MS VOA		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	^	Instrument related QC exceeds the control limits
	U	Undetected at the Limit of Detection.
GC VOA		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	M	Manual integrated compound.
	U	Undetected at the Limit of Detection.
General Chemistry		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	U	Undetected at the Limit of Detection.

Client: Environmental Chemical Corp. Job Number: 240-18735-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:240-69591					
LCS 240-69591/4	Lab Control Sample	T	Water	8260B/DoD	
MB 240-69591/6	Method Blank	T	Water	8260B/DoD	
240-18735-7	070-0060-0001-TB	T	Water	8260B/DoD	

Report Basis
T = Total

GC VOA					
Analysis Batch:240-69738					
LCS 240-69738/53	Lab Control Sample	T	Solid	8015B	
MB 240-69738/52	Method Blank	T	Solid	8015B	
LCS 240-69738/37	Lab Control Sample	T	Water	8015B	
MB 240-69738/36	Method Blank	T	Water	8015B	
240-18735-1	070SB-0042M-0001-SO	T	Solid	8015B	240-69885
240-18735-1MS	Matrix Spike	T	Solid	8015B	240-69885
240-18735-1MSD	Matrix Spike Duplicate	T	Solid	8015B	240-69885
240-18735-2	070SB-0055-0001-TB	T	Water	8015B	
Prep Batch: 240-69885					
240-18735-1	070SB-0042M-0001-SO	T	Solid	5035	
240-18735-1MS	Matrix Spike	T	Solid	5035	
240-18735-1MSD	Matrix Spike Duplicate	T	Solid	5035	

Report Basis
T = Total

Client: Environmental Chemical Corp. Job Number: 240-18735-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:240-68573					
240-18735-1	070SB-0042M-0001-SO	T	Solid	Moisture	
240-18735-1DU	Duplicate	T	Solid	Moisture	
240-18735-8	076SB-0119-0001-SO	T	Solid	Moisture	
240-18735-9	076SB-0120-0001-SO	T	Solid	Moisture	
240-18735-10	076SB-0121-0001-SO	T	Solid	Moisture	
240-18735-11	076SB-0122-0001-SO	T	Solid	Moisture	
240-18735-12	076SB-0123-0001-SO	T	Solid	Moisture	
240-18735-13	076SB-0124-0001-SO	T	Solid	Moisture	
240-18735-14	076SB-0125-0001-SO	T	Solid	Moisture	
240-18735-14DU	Duplicate	T	Solid	Moisture	
240-18735-15	076SB-0126-0001-SO	T	Solid	Moisture	
240-18735-16	076SB-0127-0001-SO	T	Solid	Moisture	
240-18735-17	076SB-0128-0001-SO	T	Solid	Moisture	
240-18735-18	076SB-0129-0001-SO	T	Solid	Moisture	
240-18735-19	076SB-0130-0001-SO	T	Solid	Moisture	
240-18735-20	076SB-0131-0001-SO	T	Solid	Moisture	
240-18735-21	076SB-0132-0001-SO	T	Solid	Moisture	
240-18735-22	076SB-0133-0001-SO	T	Solid	Moisture	
240-18735-23	076SB-0134-0001-SO	T	Solid	Moisture	
240-18735-24	076SB-0135-0001-SO	T	Solid	Moisture	
240-18735-25	076SB-0136-0001-SO	T	Solid	Moisture	
240-18735-25DU	Duplicate	T	Solid	Moisture	

Client: Environmental Chemical Corp. Job Number: 240-18735-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 240-70771					
LCSI 240-70771/11-A	Lab Control Sample Insoluble	T	Solid	3060A	
LCSS 240-70771/10-A	Lab Control Sample Soluble	T	Solid	3060A	
MB 240-70771/9-A	Method Blank	T	Solid	3060A	
240-18735-8	076SB-0119-0001-SO	T	Solid	3060A	
240-18735-9	076SB-0120-0001-SO	T	Solid	3060A	
240-18735-10	076SB-0121-0001-SO	T	Solid	3060A	
240-18735-11	076SB-0122-0001-SO	T	Solid	3060A	
240-18735-12	076SB-0123-0001-SO	T	Solid	3060A	
240-18735-13	076SB-0124-0001-SO	T	Solid	3060A	
240-18735-14	076SB-0125-0001-SO	T	Solid	3060A	
240-18735-14DU	Duplicate	T	Solid	3060A	
240-18735-15	076SB-0126-0001-SO	T	Solid	3060A	
240-18735-16	076SB-0127-0001-SO	T	Solid	3060A	
240-18735-17	076SB-0128-0001-SO	T	Solid	3060A	
240-18735-18	076SB-0129-0001-SO	T	Solid	3060A	
240-18735-19	076SB-0130-0001-SO	T	Solid	3060A	
240-18735-20	076SB-0131-0001-SO	T	Solid	3060A	
240-18735-21	076SB-0132-0001-SO	T	Solid	3060A	
240-18735-22	076SB-0133-0001-SO	T	Solid	3060A	
240-18735-23	076SB-0134-0001-SO	T	Solid	3060A	
240-18735-24	076SB-0135-0001-SO	T	Solid	3060A	
240-18735-25	076SB-0136-0001-SO	T	Solid	3060A	

Client: Environmental Chemical Corp. Job Number: 240-18735-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:240-70884					
LCSI 240-70771/11-A	Lab Control Sample Insoluble	T	Solid	7196A	240-70771
LCSS 240-70771/10-A	Lab Control Sample Soluble	T	Solid	7196A	240-70771
MB 240-70771/9-A	Method Blank	T	Solid	7196A	240-70771
240-18735-8	076SB-0119-0001-SO	T	Solid	7196A	240-70771
240-18735-9	076SB-0120-0001-SO	T	Solid	7196A	240-70771
240-18735-10	076SB-0121-0001-SO	T	Solid	7196A	240-70771
240-18735-11	076SB-0122-0001-SO	T	Solid	7196A	240-70771
240-18735-12	076SB-0123-0001-SO	T	Solid	7196A	240-70771
240-18735-13	076SB-0124-0001-SO	T	Solid	7196A	240-70771
240-18735-14	076SB-0125-0001-SO	T	Solid	7196A	240-70771
240-18735-14DU	Duplicate	T	Solid	7196A	240-70771
240-18735-15	076SB-0126-0001-SO	T	Solid	7196A	240-70771
240-18735-16	076SB-0127-0001-SO	T	Solid	7196A	240-70771
240-18735-17	076SB-0128-0001-SO	T	Solid	7196A	240-70771
240-18735-18	076SB-0129-0001-SO	T	Solid	7196A	240-70771
240-18735-19	076SB-0130-0001-SO	T	Solid	7196A	240-70771
240-18735-20	076SB-0131-0001-SO	T	Solid	7196A	240-70771
240-18735-21	076SB-0132-0001-SO	T	Solid	7196A	240-70771
240-18735-22	076SB-0133-0001-SO	T	Solid	7196A	240-70771
240-18735-23	076SB-0134-0001-SO	T	Solid	7196A	240-70771
240-18735-24	076SB-0135-0001-SO	T	Solid	7196A	240-70771
240-18735-25	076SB-0136-0001-SO	T	Solid	7196A	240-70771

Report Basis
T = Total

Client: Environmental Chemical Corp. Job Number: 240-18735-1

Laboratory Chronicle

Lab ID: 240-18735-1 **Client ID: 070SB-0042M-0001-SO**

Sample Date/Time: 12/12/2012 10:30 Received Date/Time: 12/12/2012 17:07

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-18735-B-1-D		240-69738	240-69885	12/12/2012 22:10	1	TAL NC	HMB
A:8015B	240-18735-B-1-D		240-69738	240-69885	12/23/2012 07:33	1	TAL NC	HMB
A:Moisture	240-18735-K-1		240-68573		12/13/2012 12:13	1	TAL NC	TH

Lab ID: 240-18735-1 **Client ID: 070SB-0042M-0001-SO**

Sample Date/Time: 12/12/2012 10:30 Received Date/Time: 12/12/2012 17:07

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-18735-B-1-E MS		240-69738	240-69885	12/12/2012 22:10	1	TAL NC	HMB
A:8015B	240-18735-B-1-E MS		240-69738	240-69885	12/23/2012 08:10	1	TAL NC	HMB

Lab ID: 240-18735-1 **Client ID: 070SB-0042M-0001-SO**

Sample Date/Time: 12/12/2012 10:30 Received Date/Time: 12/12/2012 17:07

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-18735-B-1-F MSD		240-69738	240-69885	12/12/2012 22:10	1	TAL NC	HMB
A:8015B	240-18735-B-1-F MSD		240-69738	240-69885	12/23/2012 08:49	1	TAL NC	HMB

Lab ID: 240-18735-1 **Client ID: 070SB-0042M-0001-SO**

Sample Date/Time: 12/12/2012 10:30 Received Date/Time: 12/12/2012 17:07

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	240-18735-J-1 DU		240-68573		12/13/2012 12:13	1	TAL NC	TH

Lab ID: 240-18735-2 **Client ID: 070SB-0055-0001-TB**

Sample Date/Time: 12/12/2012 08:00 Received Date/Time: 12/12/2012 17:07

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	240-18735-B-2		240-69738		12/22/2012 15:41	1	TAL NC	HMB
A:8015B	240-18735-B-2		240-69738		12/22/2012 15:41	1	TAL NC	HMB

Lab ID: 240-18735-7 **Client ID: 070-0060-0001-TB**

Sample Date/Time: 12/12/2012 08:00 Received Date/Time: 12/12/2012 17:07

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	240-18735-A-7		240-69591		12/20/2012 16:37	1	TAL NC	RQ
A:8260B/DoD	240-18735-A-7		240-69591		12/20/2012 16:37	1	TAL NC	RQ

Client: Environmental Chemical Corp. Job Number: 240-18735-1

Laboratory Chronicle

Lab ID: 240-18735-8 **Client ID: 076SB-0119-0001-SO**

Sample Date/Time: 12/11/2012 09:10 Received Date/Time: 12/12/2012 17:07

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	240-18735-B-8-A		240-70884	240-70771	12/31/2012 13:31	1	TAL NC	CN
A:7196A	240-18735-B-8-A		240-70884	240-70771	01/02/2013 12:53	1	TAL NC	LG
A:Moisture	240-18735-A-8		240-68573		12/13/2012 13:44	1	TAL NC	TH

Lab ID: 240-18735-9 **Client ID: 076SB-0120-0001-SO**

Sample Date/Time: 12/11/2012 11:20 Received Date/Time: 12/12/2012 17:07

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	240-18735-B-9-A		240-70884	240-70771	12/31/2012 13:31	1	TAL NC	CN
A:7196A	240-18735-B-9-A		240-70884	240-70771	01/02/2013 12:54	1	TAL NC	LG
A:Moisture	240-18735-A-9		240-68573		12/13/2012 12:13	1	TAL NC	TH

Lab ID: 240-18735-10 **Client ID: 076SB-0121-0001-SO**

Sample Date/Time: 12/11/2012 10:50 Received Date/Time: 12/12/2012 17:07

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	240-18735-B-10-A		240-70884	240-70771	12/31/2012 13:31	1	TAL NC	CN
A:7196A	240-18735-B-10-A		240-70884	240-70771	01/02/2013 12:57	1	TAL NC	LG
A:Moisture	240-18735-A-10		240-68573		12/13/2012 12:13	1	TAL NC	TH

Lab ID: 240-18735-11 **Client ID: 076SB-0122-0001-SO**

Sample Date/Time: 12/11/2012 09:30 Received Date/Time: 12/12/2012 17:07

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	240-18735-B-11-A		240-70884	240-70771	12/31/2012 13:31	1	TAL NC	CN
A:7196A	240-18735-B-11-A		240-70884	240-70771	01/02/2013 12:57	1	TAL NC	LG
A:Moisture	240-18735-A-11		240-68573		12/13/2012 12:13	1	TAL NC	TH

Lab ID: 240-18735-12 **Client ID: 076SB-0123-0001-SO**

Sample Date/Time: 12/11/2012 09:50 Received Date/Time: 12/12/2012 17:07

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	240-18735-B-12-A		240-70884	240-70771	12/31/2012 13:31	1	TAL NC	CN
A:7196A	240-18735-B-12-A		240-70884	240-70771	01/02/2013 13:11	1	TAL NC	LG
A:Moisture	240-18735-A-12		240-68573		12/13/2012 12:13	1	TAL NC	TH

Client: Environmental Chemical Corp. Job Number: 240-18735-1

Laboratory Chronicle

Lab ID: 240-18735-13 **Client ID:** 076SB-0124-0001-SO

Sample Date/Time: 12/11/2012 10:15 Received Date/Time: 12/12/2012 17:07

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	240-18735-B-13-A		240-70884	240-70771	12/31/2012 13:31	1	TAL NC	CN
A:7196A	240-18735-B-13-A		240-70884	240-70771	01/02/2013 13:11	1	TAL NC	LG
A:Moisture	240-18735-A-13		240-68573		12/13/2012 12:13	1	TAL NC	TH

Lab ID: 240-18735-14 **Client ID:** 076SB-0125-0001-SO

Sample Date/Time: 12/12/2012 10:15 Received Date/Time: 12/12/2012 17:07

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	240-18735-C-14-B		240-70884	240-70771	12/31/2012 13:31	1	TAL NC	CN
A:7196A	240-18735-C-14-B		240-70884	240-70771	01/02/2013 13:15	1	TAL NC	LG
A:Moisture	240-18735-B-14		240-68573		12/13/2012 12:13	1	TAL NC	TH

Lab ID: 240-18735-14 **Client ID:** 076SB-0125-0001-SO

Sample Date/Time: 12/12/2012 10:15 Received Date/Time: 12/12/2012 17:07

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	240-18735-C-14-A DU		240-70884	240-70771	12/31/2012 13:31	1	TAL NC	CN
A:7196A	240-18735-C-14-A DU		240-70884	240-70771	01/02/2013 13:14	1	TAL NC	LG
A:Moisture	240-18735-A-14 DU		240-68573		12/13/2012 12:13	1	TAL NC	TH

Lab ID: 240-18735-15 **Client ID:** 076SB-0126-0001-SO

Sample Date/Time: 12/11/2012 15:55 Received Date/Time: 12/12/2012 17:07

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	240-18735-B-15-A		240-70884	240-70771	12/31/2012 13:31	1	TAL NC	CN
A:7196A	240-18735-B-15-A		240-70884	240-70771	01/02/2013 13:17	1	TAL NC	LG
A:Moisture	240-18735-A-15		240-68573		12/13/2012 12:13	1	TAL NC	TH

Lab ID: 240-18735-16 **Client ID:** 076SB-0127-0001-SO

Sample Date/Time: 12/11/2012 15:55 Received Date/Time: 12/12/2012 17:07

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	240-18735-B-16-A		240-70884	240-70771	12/31/2012 13:31	1	TAL NC	CN
A:7196A	240-18735-B-16-A		240-70884	240-70771	01/02/2013 13:18	1	TAL NC	LG
A:Moisture	240-18735-A-16		240-68573		12/13/2012 12:13	1	TAL NC	TH

Client: Environmental Chemical Corp. Job Number: 240-18735-1

Laboratory Chronicle

Lab ID: 240-18735-17 **Client ID: 076SB-0128-0001-SO**

Sample Date/Time: 12/11/2012 15:20 Received Date/Time: 12/12/2012 17:07

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	240-18735-B-17-A		240-70884	240-70771	12/31/2012 13:31	1	TAL NC	CN
A:7196A	240-18735-B-17-A		240-70884	240-70771	01/02/2013 13:26	1	TAL NC	LG
A:Moisture	240-18735-A-17		240-68573		12/13/2012 12:13	1	TAL NC	TH

Lab ID: 240-18735-18 **Client ID: 076SB-0129-0001-SO**

Sample Date/Time: 12/11/2012 14:50 Received Date/Time: 12/12/2012 17:07

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	240-18735-B-18-A		240-70884	240-70771	12/31/2012 13:31	1	TAL NC	CN
A:7196A	240-18735-B-18-A		240-70884	240-70771	01/02/2013 13:30	1	TAL NC	LG
A:Moisture	240-18735-A-18		240-68573		12/13/2012 12:13	1	TAL NC	TH

Lab ID: 240-18735-19 **Client ID: 076SB-0130-0001-SO**

Sample Date/Time: 12/12/2012 10:49 Received Date/Time: 12/12/2012 17:07

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	240-18735-B-19-A		240-70884	240-70771	12/31/2012 13:31	1	TAL NC	CN
A:7196A	240-18735-B-19-A		240-70884	240-70771	01/02/2013 13:33	1	TAL NC	LG
A:Moisture	240-18735-A-19		240-68573		12/13/2012 12:13	1	TAL NC	TH

Lab ID: 240-18735-20 **Client ID: 076SB-0131-0001-SO**

Sample Date/Time: 12/12/2012 11:24 Received Date/Time: 12/12/2012 17:07

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	240-18735-B-20-A		240-70884	240-70771	12/31/2012 13:31	1	TAL NC	CN
A:7196A	240-18735-B-20-A		240-70884	240-70771	01/02/2013 13:34	1	TAL NC	LG
A:Moisture	240-18735-A-20		240-68573		12/13/2012 12:13	1	TAL NC	TH

Lab ID: 240-18735-21 **Client ID: 076SB-0132-0001-SO**

Sample Date/Time: 12/11/2012 12:25 Received Date/Time: 12/12/2012 17:07

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	240-18735-B-21-A		240-70884	240-70771	12/31/2012 13:31	1	TAL NC	CN
A:7196A	240-18735-B-21-A		240-70884	240-70771	01/02/2013 13:37	1	TAL NC	LG
A:Moisture	240-18735-A-21		240-68573		12/13/2012 12:13	1	TAL NC	TH

Client: Environmental Chemical Corp. Job Number: 240-18735-1

Laboratory Chronicle

Lab ID: 240-18735-22 **Client ID:** 076SB-0133-0001-SO

Sample Date/Time: 12/11/2012 12:25 Received Date/Time: 12/12/2012 17:07

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	240-18735-B-22-A		240-70884	240-70771	12/31/2012 13:31	1	TAL NC	CN
A:7196A	240-18735-B-22-A		240-70884	240-70771	01/02/2013 13:38	1	TAL NC	LG
A:Moisture	240-18735-A-22		240-68573		12/13/2012 12:13	1	TAL NC	TH

Lab ID: 240-18735-23 **Client ID:** 076SB-0134-0001-SO

Sample Date/Time: 12/11/2012 13:15 Received Date/Time: 12/12/2012 17:07

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	240-18735-B-23-A		240-70884	240-70771	12/31/2012 13:31	1	TAL NC	CN
A:7196A	240-18735-B-23-A		240-70884	240-70771	01/02/2013 13:43	1	TAL NC	LG
A:Moisture	240-18735-A-23		240-68573		12/13/2012 12:13	1	TAL NC	TH

Lab ID: 240-18735-24 **Client ID:** 076SB-0135-0001-SO

Sample Date/Time: 12/11/2012 13:40 Received Date/Time: 12/12/2012 17:07

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	240-18735-B-24-A		240-70884	240-70771	12/31/2012 13:31	1	TAL NC	CN
A:7196A	240-18735-B-24-A		240-70884	240-70771	01/02/2013 13:43	1	TAL NC	LG
A:Moisture	240-18735-A-24		240-68573		12/13/2012 12:13	1	TAL NC	TH

Lab ID: 240-18735-25 **Client ID:** 076SB-0136-0001-SO

Sample Date/Time: 12/11/2012 14:10 Received Date/Time: 12/12/2012 17:07

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	240-18735-B-25-A		240-70884	240-70771	12/31/2012 13:31	1	TAL NC	CN
A:7196A	240-18735-B-25-A		240-70884	240-70771	01/02/2013 13:47	1	TAL NC	LG
A:Moisture	240-18735-A-25		240-68573		12/13/2012 13:44	1	TAL NC	TH

Lab ID: 240-18735-25 DU **Client ID:** 076SB-0136-0001-SO

Sample Date/Time: 12/11/2012 14:10 Received Date/Time: 12/12/2012 17:07

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	240-18735-A-25 DU		240-68573		12/13/2012 13:44	1	TAL NC	TH

Client: Environmental Chemical Corp. Job Number: 240-18735-1

Laboratory Chronicle

Lab ID: MB **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MB 240-69591/6		240-69591		12/20/2012 13:05	1	TAL NC	RQ
A:8260B/DoD	MB 240-69591/6		240-69591		12/20/2012 13:05	1	TAL NC	RQ
P:5030B	MB 240-69738/36		240-69738		12/22/2012 08:46	1	TAL NC	HMB
A:8015B	MB 240-69738/36		240-69738		12/22/2012 08:46	1	TAL NC	HMB
A:8015B	MB 240-69738/52		240-69738		12/22/2012 18:53	1	TAL NC	HMB
P:3060A	MB 240-70771/9-A		240-70884	240-70771	12/31/2012 13:31	1	TAL NC	CN
A:7196A	MB 240-70771/9-A		240-70884	240-70771	01/02/2013 00:00	1	TAL NC	LG

Lab ID: LCS **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCS 240-69591/4		240-69591		12/20/2012 12:21	1	TAL NC	RQ
A:8260B/DoD	LCS 240-69591/4		240-69591		12/20/2012 12:21	1	TAL NC	RQ
P:5030B	LCS 240-69738/37		240-69738		12/22/2012 09:24	1	TAL NC	HMB
A:8015B	LCS 240-69738/37		240-69738		12/22/2012 09:24	1	TAL NC	HMB
A:8015B	LCS 240-69738/53		240-69738		12/22/2012 19:32	1	TAL NC	HMB

Lab ID: MRL **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MRL 240-69591/5		240-69591		12/20/2012 12:43	1	TAL NC	RQ
A:8260B/DoD	MRL 240-69591/5		240-69591		12/20/2012 12:43	1	TAL NC	RQ
P:5030B	MRL 240-69591/18		240-69591		12/20/2012 17:42	1	TAL NC	RQ
A:8260B/DoD	MRL 240-69591/18		240-69591		12/20/2012 17:42	1	TAL NC	RQ
P:5030B	MRL 240-69738/35		240-69738		12/22/2012 08:08	1	TAL NC	HMB
A:8015B	MRL 240-69738/35		240-69738		12/22/2012 08:08	1	TAL NC	HMB
A:8015B	MRL 240-69738/51		240-69738		12/22/2012 18:14	1	TAL NC	HMB
A:8015B	MRL 240-69738/76		240-69738		12/23/2012 10:05	1	TAL NC	HMB

Lab ID: LCSI **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	LCSI 240-70771/11-A		240-70884	240-70771	12/31/2012 13:31	1	TAL NC	CN
P:3060A	LCSS 240-70771/10-A		240-70884	240-70771	12/31/2012 13:31	1	TAL NC	CN
A:7196A	LCSI 240-70771/11-A		240-70884	240-70771	01/02/2013 00:00	1	TAL NC	LG
A:7196A	LCSS 240-70771/10-A		240-70884	240-70771	01/02/2013 00:00	1	TAL NC	LG

Client: Environmental Chemical Corp. Job Number: 240-18735-1

Laboratory Chronicle

Lab References:
TAL NC = TestAmerica Canton

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
VGGASCAL_00021	11/03/12	08/03/12	MEOH, Lot 117046	50 mL	VGGASDIL_00006	500 uL	C6-C10	100 ug/mL
							C6-C12	100 ug/mL
.VGGASDIL_00006	12/28/12	06/28/12	MEOH, Lot 117046	50 mL	VGGASSTOCK_00013	0.5 g	C6-C10	10000 ug/mL
							C6-C12	10000 ug/mL
..VGGASSTOCK_00013	10/31/13	ULTRA SCIENTIFIC, Lot S-0681W			(Purchased Reagent)		C6-C10	1 g/g
							C6-C12	1 g/g
VGGASCAL_00022	12/28/12	10/31/12	MEOH, Lot 123279	50 mL	VGGASDIL_00006	500 uL	C6-C12	100 ug/mL
.VGGASDIL_00006	12/28/12	06/28/12	MEOH, Lot 117046	50 mL	VGGASSTOCK_00013	0.5 g	C6-C12	10000 ug/mL
..VGGASSTOCK_00013	10/31/13	ULTRA SCIENTIFIC, Lot S-0681W			(Purchased Reagent)		C6-C12	1 g/g
VGGASCHK_00019	10/27/12	07/27/12	MEOH, Lot 115869	50 mL	VGGASCHKSTK_00016	1 mL	C6-C12	100 ug/mL
.VGGASCHKSTK_00016	04/05/15	ACCU STANDARD, Lot B5040009			(Purchased Reagent)		C6-C12	5 mg/mL
VGGASCHK_00025	03/14/13	12/14/12	MEOH, Lot 123279	50 mL	VGGASCHKSTK_00020	1 mL	C6-C12	100 ug/mL
.VGGASCHKSTK_00020	04/05/15	ACCU STANDARD, Lot B5040009			(Purchased Reagent)		C6-C12	5 mg/mL
VGGASURROGATE_00014	12/05/12	06/05/12	MEOH, Lot 51304	50 mL	VGSURRSTKGAS_00012	1.25 mL	Trifluorotoluene (Surr)	50 ug/mL
.VGSURRSTKGAS_00012	07/31/14	ULTRA SCIENTIFIC, Lot CE-1903A			(Purchased Reagent)		Trifluorotoluene (Surr)	2000 ug/mL
VGGASURROGATE_00017	03/12/13	12/12/12	MEOH, Lot 123279	50 mL	VGSURRSTKGAS_00014	1.25 mL	Trifluorotoluene (Surr)	50 ug/mL
.VGSURRSTKGAS_00014	07/31/14	ULTRA SCIENTIFIC, Lot CE-1903A			(Purchased Reagent)		Trifluorotoluene (Surr)	2000 ug/mL
VM50IS_00023	01/22/13	10/22/12	MEOH, Lot 123279	50 mL	VMSTM520_00016	1 mL	1,4-Dichlorobenzene-d4	50 ug/mL
							Chlorobenzene-d5	50 ug/mL
							Fluorobenzene	50 ug/mL
.VMSTM520_00016	12/31/14	Ultra Scientific, Lot CH-3660			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
							Fluorobenzene	2500 ug/mL
vm50ss_00089	12/17/12	12/10/12	MEOH, Lot na	2 mL	vm50ss_stk_00044	2 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
.vm50ss_stk_00044	03/04/13	12/04/12	MEOH, Lot 123279	50 mL	VMstm530_00016	1 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
..VMstm530_00016	05/31/15	Ultra Scientific, Lot CJ-1280			(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
vm50ss_stk_00043	02/12/13	11/12/12	MEOH, Lot 123279	50 mL	VMstm530_00016	1 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
.VMstm530_00016	05/31/15	Ultra Scientific, Lot CJ-1280			(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
VMCGAS_00100	12/17/12	12/10/12	MEOH, Lot 123279	10 mL	VMDWM544_00011	0.25 mL	Bromomethane	50 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.VMDWM544_00011	04/30/15		ULTRA, Lot CJ-0858		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
VMCGAS_00101	12/21/12	12/14/12	MEOH, Lot 123279	10 mL	VMDWM544_00011	0.25 mL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.VMDWM544_00011	04/30/15		ULTRA, Lot CJ-0858		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
VMFASWS_00121	12/17/12	12/10/12	MEOH, Lot na	3 mL	VMFAS_00033	3 mL	Bromomethane	25 ug/mL
							Chloroethane	25 ug/mL
							Chloromethane	25 ug/mL
							Vinyl chloride	25 ug/mL
							1,1,1-Trichloroethane	25 ug/mL
							1,1,2,2-Tetrachloroethane	25 ug/mL
							1,1,2-Trichloroethane	25 ug/mL
							1,1-Dichloroethane	25 ug/mL
							1,1-Dichloroethene	25 ug/mL
							1,2-Dibromoethane	25 ug/mL
							1,2-Dichloroethane	25 ug/mL
							1,2-Dichloroethene, Total	50 ug/mL
							1,2-Dichloropropane	25 ug/mL
							Benzene	25 ug/mL
							Bromodichloromethane	25 ug/mL
							Bromoform	25 ug/mL
							Carbon disulfide	25 ug/mL
							Carbon tetrachloride	25 ug/mL
							Chlorobenzene	25 ug/mL
							Chloroform	25 ug/mL
							cis-1,2-Dichloroethene	25 ug/mL
							cis-1,3-Dichloropropene	25 ug/mL
							Dibromochloromethane	25 ug/mL
							Ethylbenzene	25 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl tert-butyl ether	25 ug/mL
							Methylene Chloride	25 ug/mL
							o-Xylene	25 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Styrene	25 ug/mL
							Tetrachloroethene	25 ug/mL
							Toluene	25 ug/mL
							trans-1,2-Dichloroethene	25 ug/mL
							trans-1,3-Dichloropropene	25 ug/mL
							Trichloroethene	25 ug/mL
							Xylenes, Total	75 ug/mL
							Bromochloromethane	25 ug/mL
							2-Butanone (MEK)	50 ug/mL
							2-Hexanone	50 ug/mL
							4-Methyl-2-pentanone (MIBK)	50 ug/mL
							Acetone	50 ug/mL
.VMFAS_00033	12/20/12	11/20/12	MEOH, Lot 123279	100 mL	VM48799U_00012	1.25 mL	Bromomethane	25 ug/mL
							Chloroethane	25 ug/mL
							Chloromethane	25 ug/mL
							Vinyl chloride	25 ug/mL
					VM556005_00011	1 mL	1,1,1-Trichloroethane	25 ug/mL
							1,1,2,2-Tetrachloroethane	25 ug/mL
							1,1,2-Trichloroethane	25 ug/mL
							1,1-Dichloroethane	25 ug/mL
							1,1-Dichloroethene	25 ug/mL
							1,2-Dibromoethane	25 ug/mL
							1,2-Dichloroethane	25 ug/mL
							1,2-Dichloroethene, Total	50 ug/mL
							1,2-Dichloropropane	25 ug/mL
							Benzene	25 ug/mL
							Bromodichloromethane	25 ug/mL
							Bromoform	25 ug/mL
							Carbon disulfide	25 ug/mL
							Carbon tetrachloride	25 ug/mL
							Chlorobenzene	25 ug/mL
							Chloroform	25 ug/mL
							cis-1,2-Dichloroethene	25 ug/mL
							cis-1,3-Dichloropropene	25 ug/mL
							Dibromochloromethane	25 ug/mL
							Ethylbenzene	25 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl tert-butyl ether	25 ug/mL
							Methylene Chloride	25 ug/mL
							o-Xylene	25 ug/mL
							Styrene	25 ug/mL
							Tetrachloroethene	25 ug/mL
							Toluene	25 ug/mL
							trans-1,2-Dichloroethene	25 ug/mL
							trans-1,3-Dichloropropene	25 ug/mL
							Trichloroethene	25 ug/mL
							Xylenes, Total	75 ug/mL
					VM563136_00007	1 mL	Bromochloromethane	25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					VM861149_00017	2.5 mL	2-Butanone (MEK)	50 ug/mL
							2-Hexanone	50 ug/mL
							4-Methyl-2-pentanone (MIBK)	50 ug/mL
							Acetone	50 ug/mL
..VM48799U_00012	06/30/13		Supelco, Lot LB91213		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
..VM556005_00011	05/31/13		Restek, Lot A085142		(Purchased Reagent)		1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,2-Dibromoethane	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloroethene, Total	5000 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							Benzene	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	5000 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							o-Xylene	2500 ug/mL
							Styrene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Toluene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							Trichloroethene	2500 ug/mL
							Xylenes, Total	7500 ug/mL
..VM563136_00007	11/30/16		Restek, Lot A085140		(Purchased Reagent)		Bromochloromethane	2500 ug/mL
..VM861149_00017	11/30/13		Supelco, Lot LB85301		(Purchased Reagent)		2-Butanone (MEK)	2000 ug/mL
							2-Hexanone	2000 ug/mL
							4-Methyl-2-pentanone (MIBK)	2000 ug/mL
							Acetone	2000 ug/mL
VMFASWS_00122	12/20/12	12/14/12	MEOH, Lot na	3 mL	VMFAS_00033	3 mL	Bromomethane	25 ug/mL
							Chloroethane	25 ug/mL
							Chloromethane	25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Vinyl chloride	25 ug/mL
							1,1,1-Trichloroethane	25 ug/mL
							1,1,2,2-Tetrachloroethane	25 ug/mL
							1,1,2-Trichloroethane	25 ug/mL
							1,1-Dichloroethane	25 ug/mL
							1,1-Dichloroethene	25 ug/mL
							1,2-Dibromoethane	25 ug/mL
							1,2-Dichloroethane	25 ug/mL
							1,2-Dichloroethene, Total	50 ug/mL
							1,2-Dichloropropane	25 ug/mL
							Benzene	25 ug/mL
							Bromodichloromethane	25 ug/mL
							Bromoform	25 ug/mL
							Carbon disulfide	25 ug/mL
							Carbon tetrachloride	25 ug/mL
							Chlorobenzene	25 ug/mL
							Chloroform	25 ug/mL
							cis-1,3-Dichloropropene	25 ug/mL
							Dibromochloromethane	25 ug/mL
							Ethylbenzene	25 ug/mL
							Methyl tert-butyl ether	25 ug/mL
							Methylene Chloride	25 ug/mL
							Styrene	25 ug/mL
							Tetrachloroethene	25 ug/mL
							Toluene	25 ug/mL
							trans-1,3-Dichloropropene	25 ug/mL
							Trichloroethene	25 ug/mL
							Xylenes, Total	75 ug/mL
							Bromochloromethane	25 ug/mL
							2-Butanone (MEK)	50 ug/mL
							2-Hexanone	50 ug/mL
							4-Methyl-2-pentanone (MIBK)	50 ug/mL
							Acetone	50 ug/mL
.VMFAS_00033	12/20/12	11/20/12	MEOH, Lot 123279	100 mL	VM48799U_00012	1.25 mL	Bromomethane	25 ug/mL
							Chloroethane	25 ug/mL
							Chloromethane	25 ug/mL
							Vinyl chloride	25 ug/mL
					VM556005_00011	1 mL	1,1,1-Trichloroethane	25 ug/mL
							1,1,2,2-Tetrachloroethane	25 ug/mL
							1,1,2-Trichloroethane	25 ug/mL
							1,1-Dichloroethane	25 ug/mL
							1,1-Dichloroethene	25 ug/mL
							1,2-Dibromoethane	25 ug/mL
							1,2-Dichloroethane	25 ug/mL
							1,2-Dichloroethene, Total	50 ug/mL
							1,2-Dichloropropane	25 ug/mL
							Benzene	25 ug/mL
							Bromodichloromethane	25 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromoform	25 ug/mL
							Carbon disulfide	25 ug/mL
							Carbon tetrachloride	25 ug/mL
							Chlorobenzene	25 ug/mL
							Chloroform	25 ug/mL
							cis-1,3-Dichloropropene	25 ug/mL
							Dibromochloromethane	25 ug/mL
							Ethylbenzene	25 ug/mL
							Methyl tert-butyl ether	25 ug/mL
							Methylene Chloride	25 ug/mL
							Styrene	25 ug/mL
							Tetrachloroethene	25 ug/mL
							Toluene	25 ug/mL
							trans-1,3-Dichloropropene	25 ug/mL
							Trichloroethene	25 ug/mL
							Xylenes, Total	75 ug/mL
					VM563136_00007	1 mL	Bromochloromethane	25 ug/mL
					VM861149_00017	2.5 mL	2-Butanone (MEK)	50 ug/mL
							2-Hexanone	50 ug/mL
							4-Methyl-2-pentanone (MIBK)	50 ug/mL
							Acetone	50 ug/mL
..VM48799U_00012	06/30/13		Supelco, Lot LB91213		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
..VM556005_00011	05/31/13		Restek, Lot A085142		(Purchased Reagent)		1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,2-Dibromoethane	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloroethene, Total	5000 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							Benzene	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							Styrene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Toluene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							Trichloroethene	2500 ug/mL
							Xylenes, Total	7500 ug/mL
..VM563136_00007	11/30/16		Restek, Lot A085140		(Purchased Reagent)		Bromochloromethane	2500 ug/mL
..VM861149_00017	11/30/13		Supelco, Lot LB85301		(Purchased Reagent)		2-Butanone (MEK)	2000 ug/mL
							2-Hexanone	2000 ug/mL
							4-Methyl-2-pentanone (MIBK)	2000 ug/mL
							Acetone	2000 ug/mL
VMPRIMARY_00154	12/17/12	12/10/12	MEOH, Lot na	1 mL	VMCUS7814_00019	1 mL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloroethene, Total	100 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	2500 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							2-Methyl-2-propanol	1000 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	100 ug/mL
							Methyl acetate	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	150 ug/mL
.VMCUS7814_00019	02/28/14		Ultra Scientific, Lot CJ-0210		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloroethene, Total	100 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	2500 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							2-Methyl-2-propanol	1000 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	100 ug/mL
							Methyl acetate	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	50 ug/mL
							Toluene	50 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	150 ug/mL
VMPRIMARY_00155	12/21/12	12/14/12	MEOH, Lot na	1 mL	VMCUS7814_00019	1 mL	1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloroethene, Total	100 ug/mL
							1,2-Dichloropropane	50 ug/mL
							Benzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							m-Xylene & p-Xylene	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							o-Xylene	50 ug/mL
							Styrene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	150 ug/mL
.VMCUS7814_00019	02/28/14	Ultra Scientific, Lot CJ-0210			(Purchased Reagent)		1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloroethene, Total	100 ug/mL
							1,2-Dichloropropane	50 ug/mL
							Benzene	50 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							m-Xylene & p-Xylene	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							o-Xylene	50 ug/mL
							Styrene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	150 ug/mL
VMSUPPW_00104	12/17/12	12/10/12	MEOH, Lot na	1 mL	VMSUPP_00018	1 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
							Methyl acetate	50 ug/mL
							Vinyl acetate	50 ug/mL
							Acetonitrile	500 ug/mL
							Acrolein	500 ug/mL
							Acrylonitrile	100 ug/mL
							2-Chloroethyl vinyl ether	100 ug/mL
.VMSUPP_00018	01/31/13	09/27/12	MEOH, Lot 123279	50 mL	VM30006_00004	1 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
					VMCU5013_00008	1 mL	Methyl acetate	50 ug/mL
							Vinyl acetate	50 ug/mL
					VMCUS8634_00007	1 mL	Acetonitrile	500 ug/mL
							Acrolein	500 ug/mL
							Acrylonitrile	100 ug/mL
					VMEPA1016_00003	1 mL	2-Chloroethyl vinyl ether	100 ug/mL
..VM30006_00004	11/30/13	Restek, Lot A076449			(Purchased Reagent)		2-Butanone (MEK)	5000 ug/mL
							2-Hexanone	5000 ug/mL
							4-Methyl-2-pentanone (MIBK)	5000 ug/mL
							Acetone	5000 ug/mL
..VMCU5013_00008	01/31/13	Ultra, Lot CJ-3443			(Purchased Reagent)		Methyl acetate	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Vinyl acetate	2500 ug/mL
..VMCUS8634_00007	01/31/13		Ultra, Lot CJ-3453		(Purchased Reagent)		Acetonitrile	25000 ug/mL
							Acrolein	25000 ug/mL
							Acrylonitrile	5000 ug/mL
..VMEPA1016_00003	04/30/13		Ultra, Lot CG-0850		(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
VMSUPPW_00105	12/21/12	12/14/12	MEOH, Lot na	1 mL	VMSUPP_00018	1 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
.VMSUPP_00018	01/31/13	09/27/12	MEOH, Lot 123279	50 mL	VM30006_00004	1 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
..VM30006_00004	11/30/13		Restek, Lot A076449		(Purchased Reagent)		2-Butanone (MEK)	5000 ug/mL
							2-Hexanone	5000 ug/mL
							4-Methyl-2-pentanone (MIBK)	5000 ug/mL
							Acetone	5000 ug/mL
WCCHROME50PM2_00010	05/19/13	11/19/12	DIWATER, Lot 11/19/12	1000 mL	WCCHROMSTOCK2_00001	0.1414 g	Cr (VI)	49.9764 mg/L
							Potassium Dichromate	141.4 mg/L
.WCCHROMSTOCK2_00001	12/14/14		FISHER, Lot 085767a		(Purchased Reagent)		Cr (VI)	0.35344 g/g
							Potassium Dichromate	1 g/g
WCCHROME50PPM_00009	05/19/13	11/19/12	DIWATER, Lot 11/19/12	1000 mL	WCCHROMSTOCK1_00002	0.1414 g	Cr (VI)	49.9764 mg/L
							Potassium Dichromate	141.4 mg/L
.WCCHROMSTOCK1_00002	10/14/15		FISHER, Lot 094236		(Purchased Reagent)		Cr (VI)	0.35344 g/g
							Potassium Dichromate	1 g/g
WCPBCHROMATE_00004	01/30/17		FISHER, Lot 083960		(Purchased Reagent)		Cr (VI)	0.1608 g/g
							Lead (II) Chromate	1 g/g

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CERTIFICATE OF ANALYSIS

CATALOG NO: AK-101.0-GCS-BTEX
DESCRIPTION: Gasoline Calibration Standard
LOT: B5040009
SOLVENT: Methanol

EXPIRATION: Apr 5 , 2015
DATE CERTIFIED: Apr 5, 2005
SAMPLE SIZE: disc.
STORAGE CONDITION: Ambient
HAZARDS: HIGHLY FLAMMABLE

Refer to the MSDS for additional safety information

[X] Included on ISO/IEC 17025 Scope of Accreditation
[X] Included on ISO Guide 34 Scope of Accreditation

Component	Cas Number	Purity % (GC/FID)	Prepared Concentration[1] %w/v	Certified Analyte Concentration[2] %w/v
Benzene	71-43-2	0.006	0.008	.000
Toluene	108-88-3	0.027	0.034	.000
Ethylbenzene	100-41-4	0.006	0.008	.000
m+p-Xylene	N/A	0.023	0.029	.000
o-Xylene	95-47-6	0.009	0.012	.000

5 Components

Premium, Regular leaded, and Regular unleaded gasoline mix. The BTEX concentrations were determined analytically.

1. All weights are traceable through NIST, Test No. 822/254480
2. Certified Analyte Concentration = Purity x Prepared Concentration. The Uncertainty associated with the gravimetric values reported on this certificate is ±0.24%. The CRM Uncertainty calculated for this product is ±6%. These values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.
3. A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot# has had its expiration date extended and is identical to the same lot# without the suffix.

For use in routine laboratory analysis.

Certified by: R. Cooper
Russ Cooper, QC Manager

ULTRA SCIENTIFIC
Analytical Solutions

Certificate of Analysis

Reid 7/6/12

BTEX in Gasoline

Product Number: BTX-3000 **Page:** 1 of 1

Lot Number: S-0681W **Lot Issue Date:** Sep-2010 **Expiration Date:** Oct-2013

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
tert-butylmethyl ether	001634-04-4	100	108511 ± 543 µg/mL
benzene	000071-43-2	100	5456 ± 27 µg/mL
toluene	000108-88-3	100	23472 ± 117 µg/mL
ethylbenzene	000100-41-4	100	7802 ± 39 µg/mL
o-xylene	000095-47-6	100	9803 ± 49 µg/mL
m/p-xylenes	001330-20-7	100	23364 ± 117 µg/mL
isopropylbenzene	000098-82-8	100	830.1 ± 4.2 µg/mL
naphthalene	000091-20-3	100	1904 ± 10 µg/mL

Matrix: gasoline

Storage: Store at Room Temperature (18-25° C)

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

ACCREDITED

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Cert. No. 0851-01

ISO 9001:2008
Registered
TUV USA, Inc.
Cert. No. 09-1009

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401-294-9400 Fax: 295-2330
www.ultrasci.com

William J. Leary
Quality Assurance Manager

3/15/11
TS

RESTEK

Certificate of Analysis

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FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 30006 **Lot No.:** A076449

Description : VOA Calibration Mix #1

Expiration Date[1]**:** November 2013 **Storage:** Freezer

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	% Uncertainty [4] (95% C.L.; K=2)
1	Acetone	67-64-1	99%	5,000.000 ug/ml	+/-0.58 %
2	2-Butanone (MEK)	78-93-3	99%	5,000.000 ug/ml	+/-0.58 %
3	4-Methyl-2-pentanone (MIBK)	108-10-1	99%	5,000.000 ug/ml	+/-0.58 %
4	2-Hexanone	591-78-6	99%	5,000.000 ug/ml	+/-0.58 %
Solvent:	P&T Methanol/Water (90:10)	67-56-1/7732-18-5	99%		

Column:
105m x .53mm x 3.0um
Rtx-502.2 (cat.#10910)

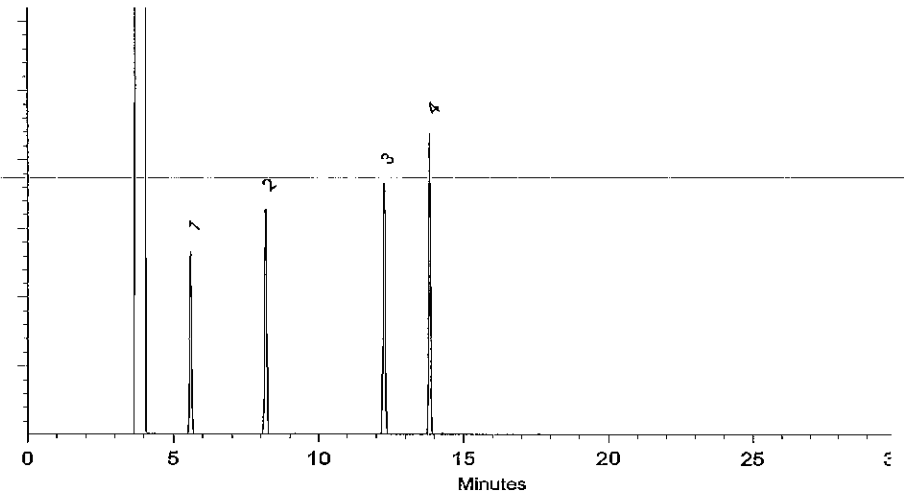
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



Sara Eyster QA Analyst **Date Passed:** 25-Aug-2010 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

1 Expiration date of the unopened ampule stored at the recommended storage condition.

2A Purity is determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Value is rounded to the nearest whole number. Chemical identity is confirmed using GC/MS. See data pack or contact provider for further details.

2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.

2C The following types of compounds will have a listed purity of less than 99%: Aldehyde/Ketone-DNPH compounds, Bromides, Chlorides, HCL salts, HBR salts, sulfates, hydrates, and other compounds as necessary. The listed purity is a correction factor that is equivalent to the percentage of parent compound in the molecule. This correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution. The concentration listed on the certificate is the concentration of the parent compound in the solution.

2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.

3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.

4 Uncertainties determined using data for balances and glassware from measurement systems analysis methodology, raw material purity, and, when significant, equipment tolerances or calibration results.

Certificate of Analysis

8/23/12 TS

DESCRIPTION: Volatile Organic Compounds Mix 6

CATALOG NO.: 48799-U MFG DATE: Mar-2012

LOT NO.: LB91213 EXPIRATION DATE: Jun-2013

SOLVENT: METHANOL

ANALYTE (1)	CAS NUMBER	PERCENT PURITY(2)	WEIGHT(3) CONCENTRATION	ANALYTICAL(4) CONCENTRATION		STD DEV	SUPELCO LOT NO
BROMOMETHANE	74-83-9	99.9 (a)	2000	2041	+/-	35.1	LB68220
CHLOROETHANE	75-00-3	99.9 (a)	2000	2079	+/-	46.9	LB55667
CHLOROMETHANE	74-87-3	99.9	2000	2116	+/-	61.9	LB64986
DICHLORODIFLUOROMETHANE	75-71-8	99.9 (a)	2000	2044	+/-	88.1	LB68837
TRICHLOROFLUOROMETHANE	75-69-4	99.9 (a)	2000	2088	+/-	44.9	LA91320
VINYL CHLORIDE	75-01-4	99.9 (a)	2000	2141	+/-	45.7	LB89571

(1) Listed in alphabetical order.

(2) Determined by capillary GC-FID, unless otherwise noted.
a) GC; detector HALL

(3) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, uncertainty based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure.

(4) Determined by chromatographic analysis against an independently prepared reference lot. Mean of replicate injections.

Elwood Doughty
Quality Control Supervisor

Supelco warrants that its products conform to the information contained in this publication. Purchaser must determine the suitability of the product for its particular use. Please see the latest catalog or order invoice and packing slip for additional terms and conditions of sale.

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11/23/11 FS

Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 556005 **Lot No.:** A085142

Description : Custom Volatiles Mix 2

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] May 2013 **Storage:** 0°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	1,1,2-Trichlorotrifluoroethane (CFC-113)	76-13-1	97%	2,500.2 ug/mL	+/- 14.6724 ug/mL
2	1,1-dichloroethene	75-35-4	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
3	Methyl acetate	79-20-9	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
4	Carbon disulfide	75-15-0	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
5	Methylene chloride (dichloromethane)	75-09-2	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
6	Methyl-tert-butyl ether (MTBE)	1634-04-4	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
7	cis-1,2-Dichloroethene	156-59-2	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
8	n-Hexane (C6)	110-54-3	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
9	1,1-Dichloroethane	75-34-3	98%	2,500.0 ug/mL	+/- 17.8401 ug/mL
10	trans-1,2-Dichloroethene	156-60-5	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
11	chloroform	67-66-3	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
12	1,1,1-trichloroethane	71-55-6	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
13	Cyclohexane	110-82-7	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
14	carbon tetrachloride	56-23-5	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
15	1,2-Dichloroethane	107-06-2	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
16	Benzene	71-43-2	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
17	Trichloroethene	79-01-6	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
18	Methylcyclohexane	108-87-2	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
19	1,2-Dichloropropane	78-87-5	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
20	bromodichloromethane	75-27-4	98%	2,500.0 ug/mL	+/- 17.8401 ug/mL
21	cis-1,3-Dichloropropene	10061-01-5	97%	2,500.0 ug/mL	+/- 17.8401 ug/mL
22	Toluene	108-88-3	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
23	trans-1,3-Dichloropropene	10061-02-6	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
24	1,1,2-Trichloroethane	79-00-5	98%	2,500.0 ug/mL	+/- 17.8401 ug/mL
25	Tetrachloroethene	127-18-4	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
26	dibromochloromethane	124-48-1	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
27	1,2-Dibromoethane (EDB)	106-93-4	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
28	Chlorobenzene	108-90-7	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
29	Ethylbenzene	100-41-4	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
30	m-Xylene	108-38-3	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
31	p-Xylene	106-42-3	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
32	o-Xylene	95-47-6	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
33	Styrene	100-42-5	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL

11/22/11 TS

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Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 563136 **Lot No.:** A085140

Description : Custom Revised Supplemental Spike Mix

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] November 2016 **Storage:** 0°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	Diethyl ether (ethyl ether)	60-29-7	98%	2,500.2 ug/mL	+/- 14.6724 ug/mL
2	tert-Butanol (TBA)	75-65-0	99%	50,001.6 ug/mL	+/- 292.755 ug/mL
3	Iodomethane (methyl iodide)	74-88-4	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
4	Diisopropyl ether (DIPE)	108-20-3	99%	2,500.4 ug/mL	+/- 14.6737 ug/mL
5	2,2-Dichloropropane	594-20-7	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
6	Isobutanol (2-Methyl-1-propanol)	78-83-1	99%	125,004.4 ug/mL	+/- 731.89 ug/mL
7	Bromochloromethane	74-97-5	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
8	Tetrahydrofuran	109-99-9	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
9	1,1-Dichloropropene	563-58-6	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
10	Dibromomethane	74-95-3	98%	2,500.2 ug/mL	+/- 14.6724 ug/mL
11	1,3-Dichloropropane	142-28-9	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
12	1,1,1,2-Tetrachloroethane	630-20-6	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
13	1,2,3-Trichloropropane	96-18-4	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
14	trans-1,4-dichloro-2-butene	110-57-6	98%	5,008.2 ug/mL	+/- 29.3241 ug/mL
15	n-Propylbenzene	103-65-1	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
16	Bromobenzene	108-86-1	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
17	1,3,5-Trimethylbenzene	108-67-8	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
18	2-Chlorotoluene	95-49-8	99%	2,501.2 ug/mL	+/- 14.6784 ug/mL
19	4-Chlorotoluene	106-43-4	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
20	tert-Butylbenzene	98-06-6	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
21	1,2,4-Trimethylbenzene	95-63-6	99%	2,500.4 ug/mL	+/- 14.6737 ug/mL
22	sec-Butylbenzene	135-98-8	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
23	4-Isopropyltoluene (p-Cymene)	99-87-6	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
24	1,2,3-Trimethylbenzene	526-73-8	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
25	n-Butylbenzene	104-51-8	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
26	Hexachlorobutadiene	87-68-3	98%	2,500.2 ug/mL	+/- 14.6724 ug/mL
27	Naphthalene	91-20-3	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
28	1,2,3-Trichlorobenzene	87-61-6	99%	2,500.4 ng/mL	+/- 14.6737 ug/mL

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6/2/12
TS

DESCRIPTION: 8260 Ketones Mix

CATALOG NO.: 861149 MFG DATE: Jun-2011

LOT NO.: LB85301 EXPIRATION DATE: Nov-2013

SOLVENT: METHANOL:WATER (30:70)

ANALYTE (1)	CAS NUMBER	PERCENT PURITY(2)	WEIGHT(3) CONCENTRATION	ANALYTICAL(4)	STD DEV	SUPELCO LOT NO
ACETONE	67-64-1	99.9	2000	1891	+/- 75.1	LB60265
CYCLOHEXANONE	108-94-1	99.5	20002	18806	+/- 673.6	LB67851
2-BUTANONE	78-93-3	99.9	2001	1888	+/- 78.2	LB38154
2-HEXANONE	591-78-6	99.9	2001	1877	+/- 70.9	LB57500
4-METHYL-2-PENTANONE	108-10-1	99.9	2001	1910	+/- 71.4	LB80301

VM 861149_ 00015

(1) Listed in alphabetical order.

(2) Determined by capillary GC-FID, unless otherwise noted.

(3) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, uncertainty based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure.

(4) Determined by chromatographic analysis against an independently prepared reference lot. Mean of replicate injections.

Elwood Doughty
Quality Control Supervisor

Supelco warrants that its products conform to the information contained in this publication. Purchaser must determine the suitability of the product for its particular use. Please see the latest catalog or order invoice and packing slip for additional terms and conditions of sale.

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Custom Standard

Product Number: CUS-5013 **Page:** 1 of 1

Lot Number: CJ-3443 **Lot Issue Date:** 13-Sep-2012 **Expiration Date:** 31-Jan-2013

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
vinyl acetate	000108-05-4	RM04478	2507 ± 13 µg/mL
methyl acetate	000079-20-9	NT02091	2505 ± 13 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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William J. Leahy
Quality Assurance Manager

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Product Number: CUS-7814 **Page:** 1 of 4

Lot Number: CJ-0210 **Lot Issue Date:** 24-Jan-2012 **Expiration Date:** 28-Feb-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
1,1,2-trichlorotrifluoroethane	000076-13-1	1367777	50.2 ± 0.3 µg/mL
methyl iodide	000074-88-4	13302PC	50.2 ± 0.3 µg/mL
carbon disulfide	000075-15-0	AI-12071LU	50.2 ± 0.3 µg/mL
methylene chloride	000075-09-2	48248	50.2 ± 0.3 µg/mL
tert-butanol	000075-65-0	RM00555-0	1005 ± 5 µg/mL
1,1-dichloroethene	000075-35-4	02226CH	50.2 ± 0.3 µg/mL
1,1-dichloroethane	000075-34-3	64552/1	50.2 ± 0.3 µg/mL
trans-1,2-dichloroethene	000156-60-5	01306HD	50.2 ± 0.3 µg/mL
MTBE	001634-04-4	45123	50.2 ± 0.3 µg/mL
n-hexane	000110-54-3	4120791	50.2 ± 0.3 µg/mL
cis-1,2-dichloroethene	000156-59-2	MKBB9714	50.2 ± 0.3 µg/mL
tetrahydrofuran	000109-99-9	04928DN	50.2 ± 0.3 µg/mL
chloroform	000067-66-3	05143MN	50.2 ± 0.3 µg/mL
1,2-dichloroethane	000107-06-2	KN-09446KN	50.2 ± 0.3 µg/mL
dibromomethane	000074-95-3	EM-01514TJ	50.2 ± 0.3 µg/mL
1,4-dioxane	000123-91-1	RM02104-01	2501 ± 13 µg/mL
1,1,1-trichloroethane	000071-55-6	LU-13149TR	50.2 ± 0.3 µg/mL
carbon tetrachloride	000056-23-5	01704MF	50.2 ± 0.3 µg/mL
bromodichloromethane	000075-27-4	10529HD	50.2 ± 0.3 µg/mL

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Product Number: CUS-7814 **Page:** 2 of 4

Lot Number: CJ-0210 **Lot Issue Date:** 24-Jan-2012 **Expiration Date:** 28-Feb-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

1,2-dichloropropane	000078-87-5	DC-120777	50.2 ± 0.3 µg/mL
cis-1,3-dichloropropene	010061-01-5	PR-110509-01	50.2 ± 0.3 µg/mL
trichloroethene	000079-01-6	KN-08846KN	50.2 ± 0.3 µg/mL
dibromochloromethane	000124-48-1	MU-07705AN	50.2 ± 0.3 µg/mL
1,2-dibromoethane	000106-93-4	TB-101777	50.2 ± 0.3 µg/mL
1,2,3-trichloropropane	000096-18-4	01610KH	50.2 ± 0.3 µg/mL
1,1,2-trichloroethane	000079-00-5	JB-0701HH	50.2 ± 0.3 µg/mL
benzene	000071-43-2	34097	50.2 ± 0.3 µg/mL
ethyl methacrylate	000097-63-2	04004EH	50.2 ± 0.3 µg/mL
trans-1,3-dichloropropene	010061-02-6	SR101007-01	50.2 ± 0.3 µg/mL
bromoform	000075-25-2	12312KC	50.2 ± 0.3 µg/mL
tetrachloroethene	000127-18-4	PS-00344BR	50.2 ± 0.3 µg/mL
toluene	000108-88-3	47144	50.2 ± 0.3 µg/mL
1,1,2,2-tetrachloroethane	000079-34-5	10917TB	50.2 ± 0.3 µg/mL
chlorobenzene	000108-90-7	07774MG	50.2 ± 0.3 µg/mL
ethylbenzene	000100-41-4	01558CC	50.2 ± 0.3 µg/mL
styrene	000100-42-5	LR-11228MQ	50.2 ± 0.3 µg/mL
trans-1,4-dichloro-2-butene	000110-57-6	17013BH	50.2 ± 0.3 µg/mL
m-xylene	000108-38-3	DI-00459CI	50.2 ± 0.3 µg/mL

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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Product Number: CUS-7814 **Page:** 3 of 4

Lot Number: CJ-0210 **Lot Issue Date:** 24-Jan-2012 **Expiration Date:** 28-Feb-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

p-xylene	000106-42-3	03747LN	50.2 ± 0.3 µg/mL
o-xylene	000095-47-6	DO-06834CO	50.2 ± 0.3 µg/mL
1,3-dichlorobenzene	000541-73-1	JN-05902LZ	50.2 ± 0.3 µg/mL
1,4-dichlorobenzene	000106-46-7	22628EB	50.2 ± 0.3 µg/mL
1,2-dichlorobenzene	000095-50-1	08946KY	50.2 ± 0.3 µg/mL
bromochloromethane	000074-97-5	JS-16015HS	50.2 ± 0.3 µg/mL
bromobenzene	000108-86-1	CG-02513MF	50.2 ± 0.3 µg/mL
isopropylbenzene	000098-82-8	02827BH	50.2 ± 0.3 µg/mL
n-propylbenzene	000103-65-1	LO-14503MR	50.2 ± 0.3 µg/mL
n-butylbenzene	000104-51-8	AA-28519CO	50.2 ± 0.3 µg/mL
sec-butylbenzene	000135-98-8	07610JE	50.2 ± 0.3 µg/mL
tert-butylbenzene	000098-06-6	MQ-04010MQ	50.2 ± 0.3 µg/mL
1,2,4-trimethylbenzene	000095-63-6	BO-13528BI	50.2 ± 0.3 µg/mL
1,3,5-trimethylbenzene	000108-67-8	KM-02011HM	50.2 ± 0.3 µg/mL
1,2,3-trichlorobenzene	000087-61-6	12912PF	50.2 ± 0.3 µg/mL
1,2,4-trichlorobenzene	000120-82-1	00334TQ	50.2 ± 0.3 µg/mL
1,1-dichloropropene	000563-58-6	PR-11130-8	50.2 ± 0.3 µg/mL
1,3-dichloropropane	000142-28-9	PR-17916MR	50.2 ± 0.3 µg/mL
2,2-dichloropropane	000594-20-7	03503TD	50.2 ± 0.3 µg/mL

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Product Number: CUS-7814 **Page:** 4 of 4

Lot Number: CJ-0210 **Lot Issue Date:** 24-Jan-2012 **Expiration Date:** 28-Feb-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

2-chlorotoluene	000095-49-8	KZ-03621HX	50.2 ± 0.3 µg/mL
4-chlorotoluene	000106-43-4	03327TH	50.2 ± 0.3 µg/mL
4-isopropyltoluene	000099-87-6	PP-05104CP	50.2 ± 0.3 µg/mL
1,2-dibromo-3-chloropropane	000096-12-8	FBL-01	50.2 ± 0.3 µg/mL
hexachlorobutadiene	000087-68-3	339923/1	50.1 ± 0.3 µg/mL
1,1,1,2-tetrachloroethane	000630-20-6	10312DD	50.2 ± 0.3 µg/mL
naphthalene	000091-20-3	14205KB	50.2 ± 0.3 µg/mL
methyl acetate	000079-20-9	16318HA	50.2 ± 0.3 µg/mL
methylcyclohexane	000108-87-2	02348HD	50.2 ± 0.3 µg/mL
cyclohexane	000110-82-7	46184	50.2 ± 0.3 µg/mL
1,3,5-trichlorobenzene	000108-70-3	HW-00718EV	50.2 ± 0.3 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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Custom Standard

Product Number: CUS-8634 **Page:** 1 of 1

Lot Number: CJ-3453 **Lot Issue Date:** 13-Sep-2012 **Expiration Date:** 31-Jan-2013

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
acrylonitrile	000107-13-1	RM05172	5015 ± 25 µg/mL
acetonitrile	000075-05-8	RM01645	25035 ± 125 µg/mL
acrolein	000107-02-8	RM01532	25058 ± 125 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

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REC'D 5-15-12

VOC Gas Mixture

Product Number: DWM-544 **Page:** 1 of 1

Lot Number: CJ-0858 **Lot Issue Date:** 15-Mar-2012 **Expiration Date:** 30-Apr-2015

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
bromomethane	000074-83-9	06623AQ	2008 ± 10 µg/mL
chloroethane	000075-00-3	00223KG	2009 ± 10 µg/mL
chloromethane	000074-87-3	07-44048	2008 ± 10 µg/mL
dichlorodifluoromethane	000075-71-8	Q96-67	2008 ± 10 µg/mL
trichlorofluoromethane	000075-69-4	DR-16417BR	2006 ± 10 µg/mL
vinyl chloride	000075-01-4	1201FC10	2008 ± 10 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

VM DWM544_00011

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TS 6/9/11

2-Chloroethylvinyl Ether Solution

Product Number: EPA-1016 **Page:** 1 of 1

Lot Number: CG-0850 **Lot Issue Date:** Mar-2010 **Expiration Date:** Apr-2013

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
2-chloroethylvinyl ether	000110-75-8	04606CJ	5015 ± 25 µg/mL

Matrix: methanol (methyl alcohol)

VMGPA1016_ 00003

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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RCC'D 5-15-12

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Internal Standard Mixture

Product Number: STM-520 **Page:** 1 of 1

Lot Number: CH-3660 **Lot Issue Date:** 15-Nov-2011 **Expiration Date:** 31-Dec-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
chlorobenzene-d5	003114-55-4	RM01430-01	2503 ± 13 µg/mL
1,4-dichlorobenzene-d4	003855-82-1	RM01700-06	2500 ± 13 µg/mL
fluorobenzene	000462-06-6	RM03366-01	2513 ± 13 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

VMSTM520_00016

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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10/10/12
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Method 8260 Surrogate Standard Mixture

Product Number: STM-530 **Page:** 1 of 1

Lot Number: CJ-1280 **Lot Issue Date:** 17-Apr-2012 **Expiration Date:** 31-May-2015

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
4-bromofluorobenzene	000460-00-4	RM03908-	2512 ± 13 µg/mL
dibromofluoromethane	001868-53-7	RM04871-01	2512 ± 13 µg/mL
1,2-dichloroethane-d4	017060-07-0	RM04304-	2512 ± 13 µg/mL
toluene-d8	002037-26-5	RM04138-	2512 ± 13 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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Quality Assurance Manager

Certification Summary

Client: Environmental Chemical Corp.
Project/Site: RVAAP - ECC

TestAmerica Job ID: 240-18735-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Canton	California	NELAP	9	01144CA
TestAmerica Canton	Connecticut	State Program	1	PH-0590
TestAmerica Canton	Florida	NELAP	4	E87225
TestAmerica Canton	Georgia	State Program	4	N/A
TestAmerica Canton	Illinois	NELAP	5	200004
TestAmerica Canton	Kansas	NELAP	7	E-10336
TestAmerica Canton	Kentucky	State Program	4	58
TestAmerica Canton	L-A-B	DoD ELAP		L2315
TestAmerica Canton	Nevada	State Program	9	OH-000482008A
TestAmerica Canton	New Jersey	NELAP	2	OH001
TestAmerica Canton	New York	NELAP	2	10975
TestAmerica Canton	Ohio VAP	State Program	5	CL0024
TestAmerica Canton	Pennsylvania	NELAP	3	68-00340
TestAmerica Canton	Texas	NELAP	6	
TestAmerica Canton	USDA	Federal		P330-11-00328
TestAmerica Canton	Virginia	NELAP	3	460175
TestAmerica Canton	Washington	State Program	10	C971
TestAmerica Canton	Wisconsin	State Program	5	999518190

Accreditation may not be offered or required for all methods and analytes reported in this package Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method 8260B DOD

Volatile Organic Compounds (GC/MS) by Method 8260B/DOD

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-624 ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
	MRL 240-69591/5	99	88	97	97
	MRL 240-69591/18	98	92	99	101

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	50-150
DCA = 1,2-Dichloroethane-d4 (Surr)	50-150
TOL = Toluene-d8 (Surr)	50-150
BFB = 4-Bromofluorobenzene (Surr)	50-150

Column to be used to flag recovery values

FORM II 8260B/DoD

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-624 ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
070-0060-0001-TB	240-18735-7	104	95	92	89
	MB 240-69591/6	99	91	95	91
	LCS 240-69591/4	98	90	98	107

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	85-115
DCA = 1,2-Dichloroethane-d4 (Surr)	70-120
TOL = Toluene-d8 (Surr)	85-120
BFB = 4-Bromofluorobenzene (Surr)	75-120

Column to be used to flag recovery values

FORM II 8260B/DoD

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXX1588.D

Lab ID: LCS 240-69591/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	10.0	9.73	97	65-130	
1,1,2,2-Tetrachloroethane	10.0	8.20	82	65-130	
1,1,2-Trichloroethane	10.0	9.41	94	75-125	
1,1-Dichloroethane	10.0	9.80	98	70-135	
1,1-Dichloroethene	10.0	9.70	97	70-130	
1,2-Dichloroethane	10.0	9.38	94	70-130	
1,2-Dichloropropane	10.0	9.91	99	75-125	
2-Butanone (MEK)	20.0	18.0	90	30-150	
2-Hexanone	20.0	17.6	88	55-130	
4-Methyl-2-pentanone (MIBK)	20.0	19.8	99	60-135	
Acetone	20.0	20.6	103	40-140	
Benzene	10.0	9.74	97	80-120	
Bromoform	10.0	8.65	86	70-130	
Bromomethane	10.0	8.59	86	30-145	
Carbon disulfide	10.0	10.2	102	35-160	
Carbon tetrachloride	10.0	9.96	100	65-140	
Chlorobenzene	10.0	9.56	96	80-120	
Chloromethane	10.0	8.62	86	40-125	
cis-1,3-Dichloropropene	10.0	9.52	95	70-130	
Dibromochloromethane	10.0	9.25	92	60-135	
Bromodichloromethane	10.0	9.81	98	75-120	
Ethylbenzene	10.0	9.95	100	75-125	
Methyl tert-butyl ether	10.0	9.55	96	65-125	
Methylene Chloride	10.0	9.92	99	55-140	
Styrene	10.0	10.1	101	65-135	
Tetrachloroethene	10.0	9.89	99	45-150	
Toluene	10.0	9.48	95	75-120	
trans-1,3-Dichloropropene	10.0	8.78	88	55-140	
Trichloroethene	10.0	10.2	102	70-125	
Vinyl chloride	10.0	8.84	88	50-145	
Xylenes, Total	30.0	30.2	101	75-130	
Chloroform	10.0	9.19	92	65-135	
Bromochloromethane	10.0	9.74	97	65-130	
Chloroethane	10.0	9.33	93	60-135	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXX1589.D

Lab ID: MRL 240-69591/5 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	0.00100	0.000965 J	97	70-130	
1,1,2,2-Tetrachloroethane	0.00100	0.000928 J	93	70-130	
1,1,2-Trichloroethane	0.00100	0.000894 J	89	70-130	
1,1-Dichloroethane	0.00100	0.000865 J	86	70-130	
1,1-Dichloroethene	0.00100	0.000938 J	94	70-130	
1,2-Dichloroethane	0.00100	0.000901 J	90	70-130	
1,2-Dichloropropane	0.00100	0.000908 J	91	70-130	
2-Butanone (MEK)	0.0100	0.00922 J	92	70-130	
2-Hexanone	0.0100	0.00828 J	83	70-130	
4-Methyl-2-pentanone (MIBK)	0.0100	0.00899 J	90	70-130	
Acetone	0.0100	0.00910 J	91	70-130	
Benzene	0.00100	0.000979 J	98	70-130	
Bromoform	0.00100	0.000679 J	68	70-130	^
Bromomethane	0.00100	0.00103	103	70-130	
Carbon disulfide	0.00100	0.00102	102	70-130	
Carbon tetrachloride	0.00100	0.000896 J	90	70-130	
Chlorobenzene	0.00100	0.000910 J	91	70-130	
Chloromethane	0.00100	0.000961 J	96	70-130	
cis-1,3-Dichloropropene	0.00100	0.000779 J	78	70-130	
Dibromochloromethane	0.00100	0.000754 J	75	70-130	
Bromodichloromethane	0.00100	0.000865 J	86	70-130	
Ethylbenzene	0.00100	0.000799 J	80	70-130	
Methyl tert-butyl ether	0.00100	0.000889 J	89	70-130	
Methylene Chloride	0.00100	0.00105	105	70-130	
Styrene	0.00100	0.000737 J	74	70-130	
Tetrachloroethene	0.00100	0.000980 J	98	70-130	
Toluene	0.00100	0.000959 J	96	70-130	
trans-1,3-Dichloropropene	0.00100	0.000696 J	70	70-130	
Trichloroethene	0.00100	0.000960 J	96	70-130	
Vinyl chloride	0.00100	0.000959 J	96	70-130	
Xylenes, Total	0.00300	0.00253	84	70-130	
Chloroform	0.00100	0.000918 J	92	70-130	
Bromochloromethane	0.00100	0.000922 J	92	70-130	
Chloroethane	0.00100	0.000981 J	98	70-130	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXX1602.D

Lab ID: MRL 240-69591/18 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	0.00100	0.000975 J	98	70-130	
1,1,2,2-Tetrachloroethane	0.00100	0.000914 J	91	70-130	
1,1,2-Trichloroethane	0.00100	0.000955 J	96	70-130	
1,1-Dichloroethane	0.00100	0.000967 J	97	70-130	
1,1-Dichloroethene	0.00100	0.000977 J	98	70-130	
1,2-Dichloroethane	0.00100	0.00101	101	70-130	
1,2-Dichloropropane	0.00100	0.000992 J	99	70-130	
2-Butanone (MEK)	0.0100	0.00903 J	90	70-130	
2-Hexanone	0.0100	0.00856 J	86	70-130	
4-Methyl-2-pentanone (MIBK)	0.0100	0.00853 J	85	70-130	
Acetone	0.0100	0.00944 J	94	70-130	
Benzene	0.00100	0.00101	101	70-130	
Bromoform	0.00100	0.000816 J	82	70-130	
Bromomethane	0.00100	0.00119	119	70-130	
Carbon disulfide	0.00100	0.00103	103	70-130	
Carbon tetrachloride	0.00100	0.000881 J	88	70-130	
Chlorobenzene	0.00100	0.000975 J	98	70-130	
Chloromethane	0.00100	0.00109	109	70-130	
cis-1,3-Dichloropropene	0.00100	0.000806 J	81	70-130	
Dibromochloromethane	0.00100	0.000871 J	87	70-130	
Bromodichloromethane	0.00100	0.000940 J	94	70-130	
Ethylbenzene	0.00100	0.000912 J	91	70-130	
Methyl tert-butyl ether	0.00100	0.000923 J	92	70-130	
Methylene Chloride	0.00100	0.000617 J	62	70-130	^
Styrene	0.00100	0.000787 J	79	70-130	
Tetrachloroethene	0.00100	0.000921 J	92	70-130	
Toluene	0.00100	0.00100	100	70-130	
trans-1,3-Dichloropropene	0.00100	0.000735 J	74	70-130	
Trichloroethene	0.00100	0.00104	104	70-130	
Vinyl chloride	0.00100	0.00107	107	70-130	
Xylenes, Total	0.00300	0.00250	83	70-130	
Chloroform	0.00100	0.000952 J	95	70-130	
Bromochloromethane	0.00100	0.00106	106	70-130	
Chloroethane	0.00100	0.00118	118	70-130	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Lab File ID: UXX1590.D Lab Sample ID: MB 240-69591/6

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: A3UX10 Date Analyzed: 12/20/2012 13:05

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-69591/4	UXX1588.D	12/20/2012 12:21
070-0060-0001-TB	240-18735-7	UXX1599.D	12/20/2012 16:37

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Lab File ID: BFB5078.D BFB Injection Date: 12/14/2012

Instrument ID: A3UX10 BFB Injection Time: 15:04

Analysis Batch No.: 68811

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.0	
75	30.0 - 60.0 % of mass 95	46.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	0.3	(0.3)1
174	50.0 - 120.00 % of mass 95	90.7	
175	5.0 - 9.0 % of mass 174	6.4	(7.1)1
176	95.0 - 101.0 % of mass 174	86.4	(95.2)1
177	5.0 - 9.0 % of mass 176	6.1	(7.0)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD8260 240-68811/2	UXX1400.D	12/14/2012	15:32
	STD8260 240-68811/3	UXX1401.D	12/14/2012	15:53
	STD8260 240-68811/4	UXX1402.D	12/14/2012	16:15
	STD8260 240-68811/5	UXX1403.D	12/14/2012	16:36
	STD8260 240-68811/6	UXX1404.D	12/14/2012	16:57
	STD8260 240-68811/7	UXX1405.D	12/14/2012	17:19
	ICV 240-68811/14	UXX1412.D	12/14/2012	19:48

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Lab File ID: BFB5089.D BFB Injection Date: 12/20/2012

Instrument ID: A3UX10 BFB Injection Time: 10:51

Analysis Batch No.: 69591

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.7	
75	30.0 - 60.0 % of mass 95	46.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	0.5	(0.6)1
174	50.0 - 120.00 % of mass 95	88.8	
175	5.0 - 9.0 % of mass 174	6.3	(7.1)1
176	95.0 - 101.0 % of mass 174	87.3	(98.3)1
177	5.0 - 9.0 % of mass 176	6.2	(7.1)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 240-69591/2	UXX1587.D	12/20/2012	11:59
	LCS 240-69591/4	UXX1588.D	12/20/2012	12:21
	MRL 240-69591/5	UXX1589.D	12/20/2012	12:43
	MB 240-69591/6	UXX1590.D	12/20/2012	13:05
070-0060-0001-TB	240-18735-7	UXX1599.D	12/20/2012	16:37
	MRL 240-69591/18	UXX1602.D	12/20/2012	17:42
	LODV 240-69591/19	UXX1603.D	12/20/2012	18:04

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Sample No.: STD8260 240-68811/4 Date Analyzed: 12/14/2012 16:15

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UXX1402.D Heated Purge: (Y/N) N

Calibration ID: 12853

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1972714	5.20	1372066	7.88	826025	10.13
UPPER LIMIT		3945428	5.70	2744132	8.38	1652050	10.63
LOWER LIMIT		986357	4.70	686033	7.38	413013	9.63
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-68811/14		1915294	5.20	1350521	7.88	869619	10.13
CCV 240-69591/2		2109455	5.21	1518089	7.88	980489	10.13
LCS 240-69591/4		2174437	5.21	1587263	7.88	1025898	10.13
MRL 240-69591/5		2138012	5.22	1551915	7.88	954861	10.13
MB 240-69591/6		2063755	5.22	1478307	7.89	841736	10.13
240-18735-7	070-0060-0001-TB	1963171	5.22	1409350	7.89	798603	10.13
MRL 240-69591/18		2120462	5.22	1482662	7.89	945938	10.13
LODV 240-69591/19		2011895	5.22	1436313	7.88	896548	10.13

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B/DOD

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-1

SDG No.:

Client Sample ID: 070-0060-0001-TB | Lab Sample ID: 240-18735-7

Matrix: Water | Lab File ID: UXX1599.D

Analysis Method: 8260B/DoD | Date Collected: 12/12/2012 08:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/20/2012 16:37

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 69591 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	0.25	U	1.0	0.25	0.22
79-34-5	1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	0.18
79-00-5	1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.27
75-34-3	1,1-Dichloroethane	0.25	U	1.0	0.25	0.15
75-35-4	1,1-Dichloroethene	0.25	U	1.0	0.25	0.19
107-06-2	1,2-Dichloroethane	0.25	U	1.0	0.25	0.22
540-59-0	1,2-Dichloroethene, Total	0.50	U	2.0	0.50	0.34
78-87-5	1,2-Dichloropropane	0.25	U	1.0	0.25	0.18
78-93-3	2-Butanone (MEK)	0.57	U	10	0.57	0.57
591-78-6	2-Hexanone	0.50	U	10	0.50	0.41
108-10-1	4-Methyl-2-pentanone (MIBK)	0.50	U	10	0.50	0.32
67-64-1	Acetone	1.1	U	10	1.1	1.1
71-43-2	Benzene	0.25	U	1.0	0.25	0.13
75-25-2	Bromoform	0.64	U	1.0	0.64	0.64
74-83-9	Bromomethane	0.50	U	1.0	0.50	0.41
75-15-0	Carbon disulfide	0.25	U	1.0	0.25	0.13
56-23-5	Carbon tetrachloride	0.25	U	1.0	0.25	0.13
108-90-7	Chlorobenzene	0.25	U	1.0	0.25	0.15
74-87-3	Chloromethane	0.50	U	1.0	0.50	0.30
10061-01-5	cis-1,3-Dichloropropene	0.25	U	1.0	0.25	0.14
124-48-1	Dibromochloromethane	0.25	U	1.0	0.25	0.18
75-27-4	Bromodichloromethane	0.25	U	1.0	0.25	0.15
100-41-4	Ethylbenzene	0.25	U	1.0	0.25	0.17
1634-04-4	Methyl tert-butyl ether	0.25	U	1.0	0.25	0.17
75-09-2	Methylene Chloride	0.50	U	1.0	0.50	0.33
100-42-5	Styrene	0.25	U	1.0	0.25	0.11
127-18-4	Tetrachloroethene	0.50	U	1.0	0.50	0.29
108-88-3	Toluene	0.25	U	1.0	0.25	0.13
10061-02-6	trans-1,3-Dichloropropene	0.25	U	1.0	0.25	0.19
79-01-6	Trichloroethene	0.25	U	1.0	0.25	0.17
75-01-4	Vinyl chloride	0.25	U	1.0	0.25	0.22
1330-20-7	Xylenes, Total	0.75	U	2.0	0.75	0.28
67-66-3	Chloroform	0.32	J	1.0	0.25	0.16
74-97-5	Bromochloromethane	0.50	U	1.0	0.50	0.29
106-93-4	1,2-Dibromoethane	0.25	U	1.0	0.25	0.24
75-00-3	Chloroethane	0.50	U	1.0	0.50	0.29

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Client Sample ID: 070-0060-0001-TB Lab Sample ID: 240-18735-7

Matrix: Water Lab File ID: UXX1599.D

Analysis Method: 8260B/DoD Date Collected: 12/12/2012 08:00

Sample wt/vol: 5(mL) Date Analyzed: 12/20/2012 16:37

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69591 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	92		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		70-120
460-00-4	4-Bromofluorobenzene (Surr)	89		75-120
1868-53-7	Dibromofluoromethane (Surr)	104		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121220-16059.b\UXX1599.D
Lims ID: 240-18735-A-7 Client ID: 070-0060-0001-TB
Inject. Date: 20-Dec-2012 16:37:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0016059-015
Misc. Info.: P21220A,8260LLUX10,,1904 =P21220A,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 15
Lims Batch ID: 69591 Lims Sample ID: 15
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121220-16059.b\8260_10.m
Last Update: 21-Dec-2012 08:34:47 Calib Date: 14-Dec-2012 19:27:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK018

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.216	5.204	0.012	100	1963171	10.0	
* 2 Chlorobenzene-d5	117	7.891	7.879	0.011	82	1409350	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.127	10.127	0.0	93	798603	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.636	4.639	-0.003	60	476083	10.4	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.920	4.923	-0.003	0	510624	9.52	
$ 7 Toluene-d8 (Surr)	98	6.577	6.568	0.009	92	1679644	9.20	
$ 8 4-Bromofluorobenzene (Surr)	95	8.991	8.993	-0.002	97	569769	8.87	
13 Chloromethane	50		1.693					9
14 Vinyl chloride	62		1.799					
16 Bromomethane	94		2.095					9
17 Chloroethane	64		2.178					
23 1,1-Dichloroethene	96		2.817					
24 Acetone	43		2.829					
27 Carbon disulfide	76		3.006					
31 Methylene Chloride	84		3.195					
34 trans-1,2-Dichloroethene	96		3.432					
35 Methyl tert-butyl ether	73		3.432					
37 1,1-Dichloroethane	63		3.775					
43 cis-1,2-Dichloroethene	96		4.248					
42 2-Butanone (MEK)	43		4.248					
48 Chlorobromomethane	128		4.450					
50 Chloroform	83	4.506	4.497	0.009	77	29070	0.3229	
51 1,1,1-Trichloroethane	97		4.686					
54 Carbon tetrachloride	117		4.828					
57 Benzene	78		4.982					9
56 1,2-Dichloroethane	62		4.982					
61 Trichloroethene	130		5.526					
64 1,2-Dichloropropane	63		5.704					
68 Dichlorobromomethane	83		5.929					
71 cis-1,3-Dichloropropene	75		6.319					
72 4-Methyl-2-pentanone (MIBK)	43		6.449					
73 Toluene	91		6.627					9

	Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
74	trans-1,3-Dichloropropene	75		6.804					
76	1,1,2-Trichloroethane	97		6.970					
78	Tetrachloroethene	164		7.136					
79	2-Hexanone	43		7.183					
81	Chlorodibromomethane	129		7.337					
83	Ethylene Dibromide	107		7.455					
85	Chlorobenzene	112		7.905					
87	Ethylbenzene	106		8.011					
88	m-Xylene & p-Xylene	106		8.118					
89	o-Xylene	106		8.496					
90	Styrene	104		8.508					
91	Bromoform	173		8.686					
95	1,1,2,2-Tetrachloroethane	83		9.112					
S 120	1,2-Dichloroethene, Total	96		1.140					7
S 122	Xylenes, Total	106		16.530					7

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

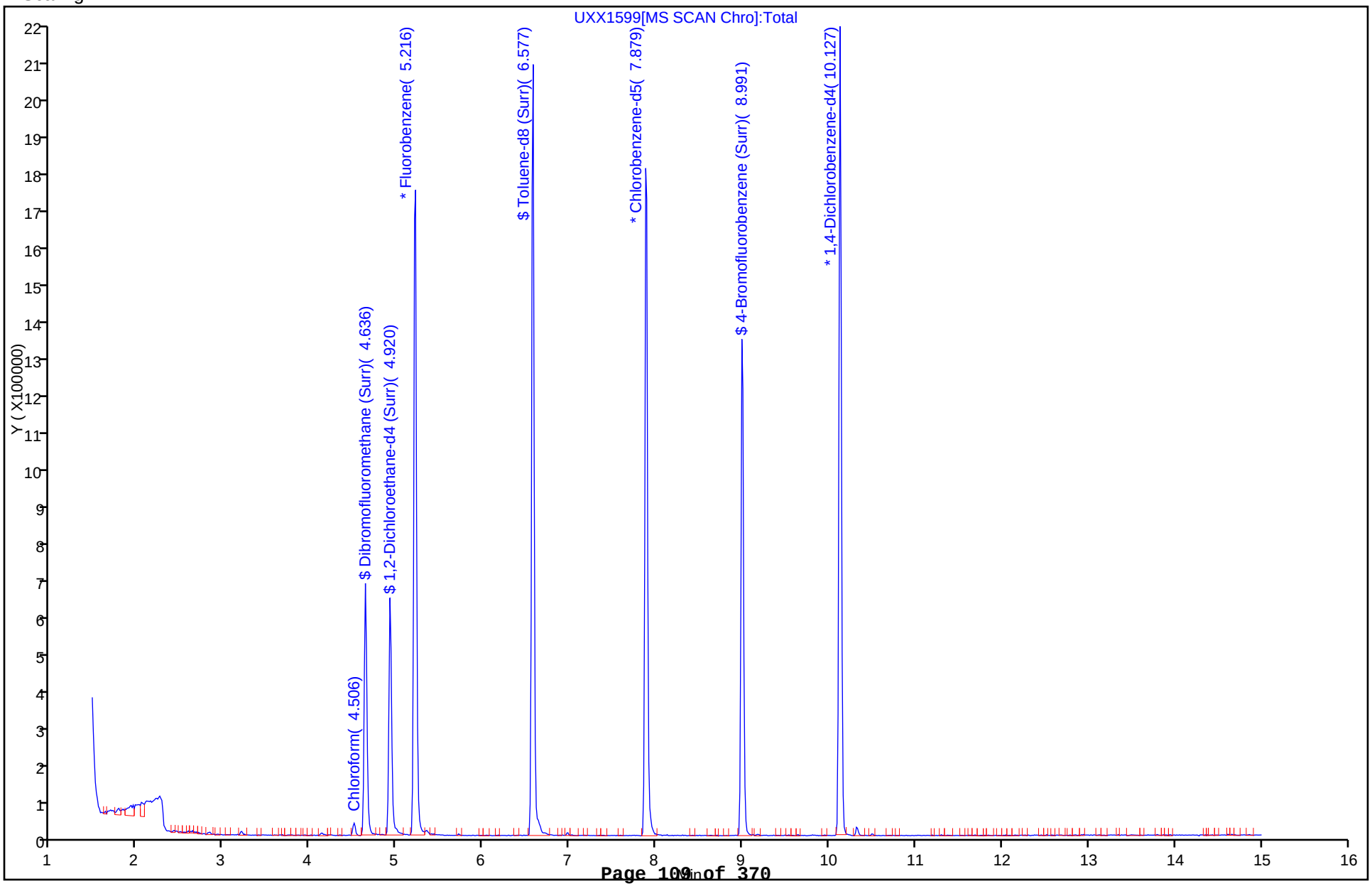
Report Date: 21-Dec-2012 08:34:57 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121220-16059.b\UXX1599.D

Injection Date:	20-Dec-2012 16:37:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	070-0060-0001-TB	Instrument ID:	A3UX10
Lims Batch ID:	69591	Lims Sample ID:	15
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



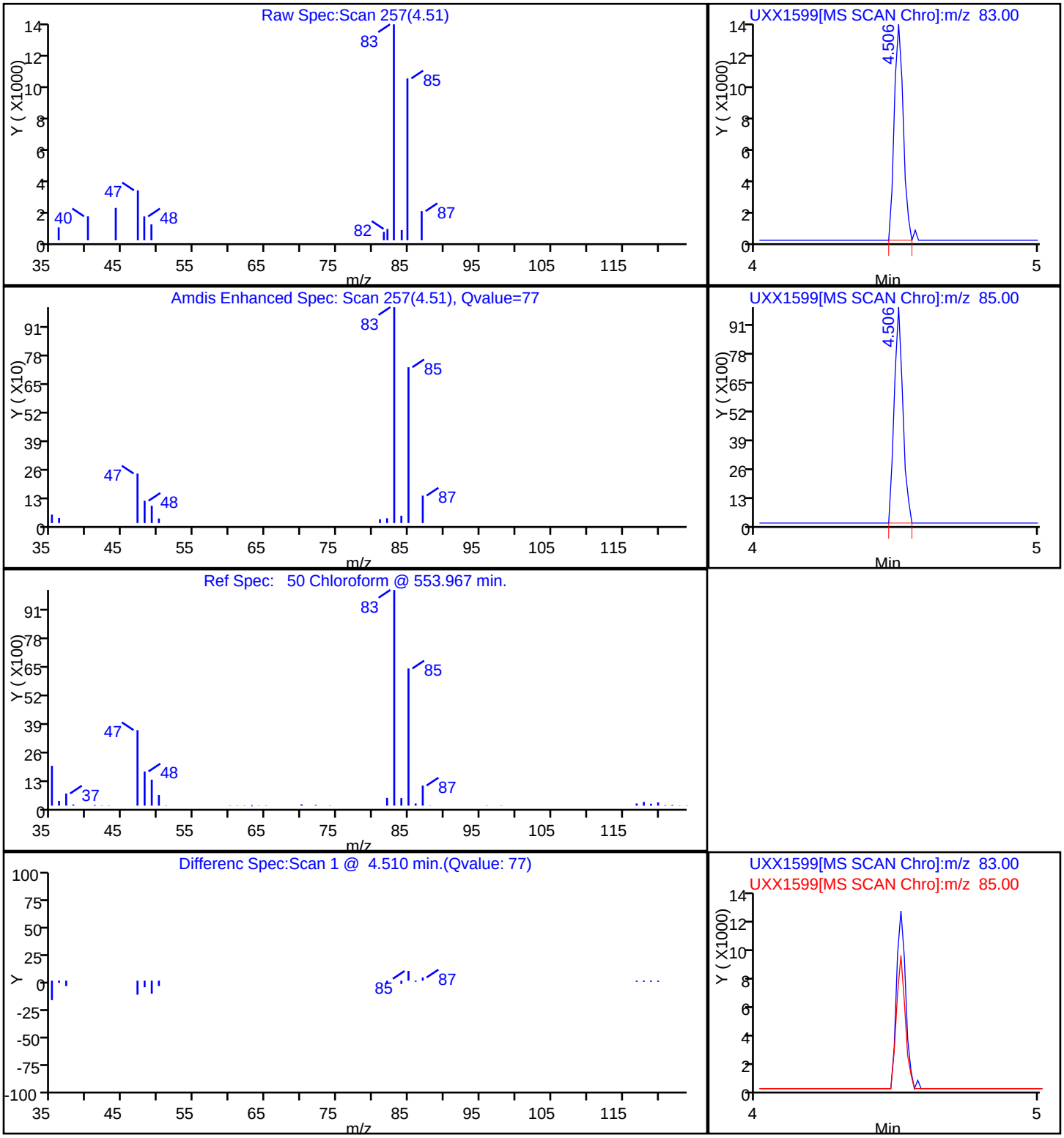
Report Date: 21-Dec-2012 08:34:57 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121220-16059.b\UXX1599.D

Injection Date:	20-Dec-2012 16:37:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	070-0060-0001-TB	Instrument ID:	A3UX10
Lims Batch ID:	69591	Lims Sample ID:	15
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

50 Chloroform



FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-1 Analy Batch No.: 68811

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/14/2012 15:32 Calibration End Date: 12/14/2012 17:19 Calibration ID: 12853

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-68811/7	UXX1405.D
Level 2	STD8260 240-68811/6	UXX1404.D
Level 3	STD8260 240-68811/5	UXX1403.D
Level 4	STD8260 240-68811/4	UXX1402.D
Level 5	STD8260 240-68811/3	UXX1401.D
Level 6	STD8260 240-68811/2	UXX1400.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.1682 0.2001	0.1834	0.1868	0.1863	0.1845	Ave		0.1849			0.1000	5.5		15.0			
Chloromethane	0.3695 0.3307	0.3350	0.3055	0.3246	0.3150	Ave		0.3300			0.1000	6.7		15.0			
Vinyl chloride	0.3547 0.3344	0.3245	0.3202	0.3230	0.3129	Ave		0.3283			0.1000	4.5		15.0			
Bromomethane	0.1859 0.1347	0.1569	0.1557	0.1519	0.1395	Ave		0.1541			0.0500	12.0		15.0			
Chloroethane	0.2127 0.1877	0.1943	0.1865	0.1845	0.1820	Ave		0.1913				5.9		15.0			
Trichlorofluoromethane	0.2902 0.2557	0.2794	0.2672	0.2616	0.2391	Ave		0.2655			0.1000	6.8		15.0			
Acrolein	0.0304 0.0294	0.0301	0.0303	0.0299	0.0297	Ave		0.0300				1.2		15.0			
1,1-Dichloroethene	0.2719 0.2466	0.2674	0.2491	0.2423	0.2434	Ave		0.2534			0.1000	5.1		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2212 0.1977	0.2085	0.1866	0.1878	0.1857	Ave		0.1979			0.0500	7.3		15.0			
Acetone	0.0868 0.0585	0.0703	0.0593	0.0626	0.0588	Lin1	0.0530	0.0578			0.0500				0.9990		0.9950
Iodomethane	0.4305 0.3878	0.4044	0.3998	0.3989	0.3923	Ave		0.4023				3.7		15.0			
Carbon disulfide	0.8008 0.8201	0.7373	0.7428	0.7660	0.7648	Ave		0.7720			0.1000	4.2		15.0			
Acetonitrile	0.0181 0.0183	0.0184	0.0180	0.0175	0.0171	Ave		0.0179				2.8		15.0			
Methyl acetate	0.2022 0.1801	0.1856	0.1932	0.1816	0.1804	Ave		0.1872			0.1000	4.7		15.0			
Methylene Chloride	0.5366 0.2822	0.3910	0.3185	0.2940	0.2831	Lin1	0.2486	0.2732			0.1000				1.0000		0.9950

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-1 Analy Batch No.: 68811

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/14/2012 15:32 Calibration End Date: 12/14/2012 17:19 Calibration ID: 12853

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Methyl-2-propanol	0.0114 0.0105	0.0122	0.0121	0.0114	0.0113	Ave		0.0115				5.6		15.0			
Acrylonitrile	0.0892 0.0856	0.0869	0.0919	0.0881	0.0879	Ave		0.0883				2.5		15.0			
Methyl tert-butyl ether	0.6397 0.7181	0.6462	0.6706	0.6819	0.6896	Ave		0.6743			0.1000	4.3		15.0			
trans-1,2-Dichloroethene	0.2888 0.2750	0.2742	0.2690	0.2726	0.2680	Ave		0.2746			0.1000	2.7		15.0			
Hexane	0.0550 0.0564	0.0595	0.0532	0.0525	0.0512	Ave		0.0546				5.5		15.0			
1,1-Dichloroethane	0.4718 0.4567	0.4588	0.4447	0.4475	0.4445	Ave		0.4540			0.1000	2.3		15.0			
Vinyl acetate	0.0355 0.0436	0.0320	0.0385	0.0406	0.0424	Ave		0.0388				11.0		15.0			
2-Butanone (MEK)	0.0971 0.0923	0.0854	0.0935	0.0877	0.0940	Ave		0.0917			0.0500	4.7		15.0			
cis-1,2-Dichloroethene	0.3064 0.2938	0.2833	0.2880	0.2894	0.2853	Ave		0.2910			0.1000	2.9		15.0			
2,2-Dichloropropane	0.2273 0.2512	0.2253	0.2368	0.2360	0.2401	Ave		0.2361				4.0		15.0			
Bromochloromethane	0.1484 0.1412	0.1509	0.1408	0.1373	0.1402	Ave		0.1431				3.7		15.0			
Tetrahydrofuran	0.0674 0.0622	0.0681	0.0592	0.0620	0.0640	Ave		0.0638				5.4		15.0			
Chloroform	0.4803 0.4604	0.4625	0.4493	0.4503	0.4488	Ave		0.4586				2.7		15.0			
1,1,1-Trichloroethane	0.3361 0.3437	0.3248	0.3289	0.3315	0.3327	Ave		0.3330			0.1000	1.9		15.0			
Cyclohexane	0.4243 0.4454	0.4045	0.3992	0.4183	0.4156	Ave		0.4179			0.1000	3.9		15.0			
1,1-Dichloropropene	0.3295 0.3559	0.3313	0.3332	0.3329	0.3395	Ave		0.3371				2.9		15.0			
Carbon tetrachloride	0.3013 0.3092	0.2765	0.2779	0.2882	0.2875	Ave		0.2901			0.1000	4.5		15.0			
1,2-Dichloroethane	0.3228 0.3284	0.3200	0.3184	0.3149	0.3142	Ave		0.3198			0.1000	1.7		15.0			
Benzene	1.1588 1.1315	1.0685	1.0679	1.0507	1.0629	Ave		1.0901			0.5000	4.0		15.0			
Trichloroethene	0.2923 0.2857	0.2685	0.2757	0.2717	0.2757	Ave		0.2783			0.2000	3.2		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-1 Analy Batch No.: 68811

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/14/2012 15:32 Calibration End Date: 12/14/2012 17:19 Calibration ID: 12853

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dichloropropane	0.2388 0.2561	0.2264	0.2362	0.2412	0.2433	Ave		0.2403			0.1000	4.0		15.0			
Methylcyclohexane	0.3619 0.3979	0.3552	0.3478	0.3665	0.3688	Ave		0.3663			0.1000	4.7		15.0			
Dibromomethane	0.1556 0.1462	0.1342	0.1407	0.1411	0.1402	Ave		0.1430				5.1		15.0			
1,4-Dioxane	0.0012 0.0015	0.0012	0.0016	0.0015	0.0017	Ave		0.0015				15.0		15.0			
Bromodichloromethane	0.2936 0.3339	0.2698	0.2864	0.2969	0.3032	Ave		0.2973			0.1000	7.2		15.0			
2-Chloroethyl vinyl ether	0.1115 0.1488	0.1069	0.1191	0.1267	0.1370	Ave		0.1250				13.0		15.0			
cis-1,3-Dichloropropene	0.3102 0.4014	0.2932	0.3276	0.3465	0.3669	Ave		0.3410			0.1500	12.0		15.0			
4-Methyl-2-pentanone (MIBK)	0.1683 0.2040	0.1750	0.1806	0.1851	0.1973	Ave		0.1850			0.0500	7.3		15.0			
Toluene	1.6137 1.6761	1.4739	1.6053	1.5903	1.6365	Ave		1.5993			0.4000	4.3		15.0			
trans-1,3-Dichloropropene	0.3775 0.4939	0.3648	0.4102	0.4285	0.4685	Ave		0.4239			0.1000	12.0		15.0			
Ethyl methacrylate	0.3069 0.4515	0.3026	0.3649	0.3987	0.4250	Lin1	-0.220	0.4436							0.9980		0.9950
1,1,2-Trichloroethane	0.3278 0.3056	0.3043	0.3189	0.3027	0.3015	Ave		0.3101			0.1000	3.5		15.0			
1,3-Dichloropropane	0.5523 0.5528	0.5256	0.5345	0.5247	0.5421	Ave		0.5387				2.3		15.0			
Tetrachloroethene	0.3348 0.3277	0.3229	0.3366	0.3179	0.3236	Ave		0.3273			0.2000	2.2		15.0			
2-Hexanone	0.1557 0.1890	0.1610	0.1776	0.1826	0.1933	Ave		0.1765			0.0500	8.6		15.0			
Dibromochloromethane	0.2849 0.3652	0.2686	0.3176	0.3275	0.3393	Ave		0.3172				11.0		15.0			
1,2-Dibromoethane	0.3005 0.3161	0.2900	0.3108	0.3001	0.3132	Ave		0.3051				3.3		15.0			
Chlorobenzene	1.1260 1.0833	1.0071	1.0336	1.0154	1.0453	Ave		1.0518			0.3000	4.3		15.0			
1,1,1,2-Tetrachloroethane	0.3541 0.3776	0.3331	0.3588	0.3579	0.3754	Ave		0.3595				4.5		15.0			
Ethylbenzene	0.5069 0.5868	0.4902	0.5404	0.5381	0.5610	Ave		0.5372				6.5		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-1 Analy Batch No.: 68811

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/14/2012 15:32 Calibration End Date: 12/14/2012 17:19 Calibration ID: 12853

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
m-Xylene & p-Xylene	0.6166 0.7545	0.6271	0.6839	0.6854	0.7110	Ave		0.6797				7.6		15.0			
o-Xylene	0.6328 0.7117	0.5709	0.6506	0.6704	0.6861	Ave		0.6537				7.5		15.0			
Styrene	0.9317 1.2368	0.9461	1.0744	1.1016	1.1551	Ave		1.0743			0.3000	11.0		15.0			
Bromoform	0.1763 0.2364	0.1902	0.2005	0.2055	0.2280	Ave		0.2062			0.1000	11.0		15.0			
Isopropylbenzene	1.4472 1.7732	1.4438	1.5725	1.6035	1.6958	Ave		1.5893			0.1000	8.3		15.0			
1,1,2,2-Tetrachloroethane	0.7430 0.6961	0.7251	0.7069	0.7048	0.7013	Ave		0.7129			0.3000	2.5		15.0			
Bromobenzene	0.7442 0.8313	0.7466	0.7570	0.7432	0.7534	Ave		0.7626				4.5		15.0			
1,2,3-Trichloropropane	0.2230 0.2282	0.2452	0.2302	0.2326	0.2315	Ave		0.2318				3.2		15.0			
trans-1,4-Dichloro-2-butene	0.1570 0.2076	0.1620	0.1744	0.1732	0.1834	Ave		0.1763				10.0		15.0			
N-Propylbenzene	0.6510 0.8523	0.6581	0.7377	0.7697	0.7580	Ave		0.7378				10.0		15.0			
2-Chlorotoluene	0.6746 0.7582	0.6576	0.7068	0.6979	0.6968	Ave		0.6986				4.9		15.0			
1,3,5-Trimethylbenzene	1.7867 2.4099	1.9461	2.1727	2.2113	2.2293	Ave		2.1260				10.0		15.0			
4-Chlorotoluene	0.6877 0.8259	0.7122	0.7364	0.7447	0.7564	Ave		0.7439				6.3		15.0			
tert-Butylbenzene	1.7120 2.1782	1.8120	2.0057	1.8304	1.8804	Ave		1.9031				8.7		15.0			
1,2,4-Trimethylbenzene	1.8729 2.4382	2.0120	2.2186	2.2759	2.2862	Ave		2.1840				9.4		15.0			
sec-Butylbenzene	2.1318 2.5753	2.2435	2.4366	2.4214	2.4492	Ave		2.3763				6.7		15.0			
1,3-Dichlorobenzene	1.3914 1.4735	1.3824	1.4326	1.3721	1.3998	Ave		1.4086			0.6000	2.7		15.0			
4-Isopropyltoluene	1.7643 2.2184	1.8945	2.0657	2.0877	2.1191	Ave		2.0249				8.2		15.0			
1,4-Dichlorobenzene	1.6280 1.5470	1.5208	1.5108	1.4623	1.4987	Ave		1.5279			0.5000	3.7		15.0			
n-Butylbenzene	1.5106 1.7571	1.4973	1.6196	1.6360	1.6826	Ave		1.6172				6.2		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-1 Analy Batch No.: 68811

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/14/2012 15:32 Calibration End Date: 12/14/2012 17:19 Calibration ID: 12853

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dichlorobenzene	1.3941 1.3306	1.3226	1.3905	1.3403	1.3323	Ave		1.3517			0.4000	2.4		15.0			
1,2-Dibromo-3-Chloropropane	0.1129 0.0886	0.1035	0.1131	0.1096	0.1109	Ave		0.1064			0.0500	8.8		15.0			
1,3,5-Trichlorobenzene	0.7777 0.6258	0.7708	0.7864	0.7494	0.7218	Ave		0.7387				8.1		15.0			
1,2,4-Trichlorobenzene	0.6656 0.5045	0.6817	0.6711	0.6485	0.6512	Ave		0.6371			0.2000	10.0		15.0			
Hexachlorobutadiene	0.3692 +++++	0.3611	0.3119	0.2854	0.2566	Ave		0.3169				15.0		15.0			
Naphthalene	1.4153 1.1677	1.5101	1.7168	1.7220	1.7465	Ave		1.5464				15.0		15.0			
1,2,3-Trichlorobenzene	0.6490 +++++	0.6364	0.6570	0.6076	0.5677	Ave		0.6235				5.8		15.0			
Dibromofluoromethane (Surr)	0.2297 0.2371	0.2202	0.2409	0.2434	0.2327	Ave		0.2340				3.6		15.0			
1,2-Dichloroethane-d4 (Surr)	0.2706 0.2750	0.2719	0.2709	0.2847	0.2663	Ave		0.2732				2.3		15.0			
Toluene-d8 (Surr)	1.2310 1.3606	1.2008	1.3307	1.3332	1.3136	Ave		1.2950				4.9		15.0			
4-Bromofluorobenzene (Surr)	0.4411 0.4722	0.4273	0.4615	0.4662	0.4651	Ave		0.4556				3.8		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-1 Analy Batch No.: 68811

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/14/2012 15:32 Calibration End Date: 12/14/2012 17:19 Calibration ID: 12853

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-68811/7	UXX1405.D
Level 2	STD8260 240-68811/6	UXX1404.D
Level 3	STD8260 240-68811/5	UXX1403.D
Level 4	STD8260 240-68811/4	UXX1402.D
Level 5	STD8260 240-68811/3	UXX1401.D
Level 6	STD8260 240-68811/2	UXX1400.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	30879 1465250	71948	195190	367469	701197	1.00 40.0	2.00	5.00	10.0	20.0
Chloromethane	FB	Ave	67830 2421494	131438	319288	640285	1197291	1.00 40.0	2.00	5.00	10.0	20.0
Vinyl chloride	FB	Ave	65107 2448503	127350	334620	637089	1189219	1.00 40.0	2.00	5.00	10.0	20.0
Bromomethane	FB	Ave	34128 986207	61559	162768	299602	530218	1.00 40.0	2.00	5.00	10.0	20.0
Chloroethane	FB	Ave	39044 1374711	76233	194942	364043	691777	1.00 40.0	2.00	5.00	10.0	20.0
Trichlorofluoromethane	FB	Ave	53264 1872605	109640	279258	516118	908849	1.00 40.0	2.00	5.00	10.0	20.0
Acrolein	FB	Ave	55829 2155771	118104	316219	590361	1128836	10.0 400	20.0	50.0	100	200
1,1-Dichloroethene	FB	Ave	49912 1805547	104920	260297	478079	924980	1.00 40.0	2.00	5.00	10.0	20.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	FB	Ave	40608 1447462	81824	195023	370380	705696	1.00 40.0	2.00	5.00	10.0	20.0
Acetone	FB	Lin1	31865 855958	55185	123882	247062	447033	2.00 80.0	4.00	10.0	20.0	40.0
Iodomethane	FB	Ave	79033 2839133	158689	417853	786944	1491127	1.00 40.0	2.00	5.00	10.0	20.0
Carbon disulfide	FB	Ave	147001 6005070	289306	776307	1511067	2906807	1.00 40.0	2.00	5.00	10.0	20.0
Acetonitrile	FB	Ave	33234 1342771	72167	188394	344829	650587	10.0 400	20.0	50.0	100	200
Methyl acetate	FB	Ave	74236 2638039	145700	403759	716425	1371027	2.00 80.0	4.00	10.0	20.0	40.0
Methylene Chloride	FB	Lin1	98498 2066270	153419	332847	579966	1075839	1.00 40.0	2.00	5.00	10.0	20.0
2-Methyl-2-propanol	FB	Ave	42011 1530596	96112	253376	450805	858644	20.0 800	40.0	100	200	400

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-1 Analy Batch No.: 68811

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/14/2012 15:32 Calibration End Date: 12/14/2012 17:19 Calibration ID: 12853

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Acrylonitrile	FB	Ave	32738 1253177	68221	192143	347593	668258	2.00 80.0	4.00	10.0	20.0	40.0
Methyl tert-butyl ether	FB	Ave	117426 5258214	253570	700832	1345206	2620917	1.00 40.0	2.00	5.00	10.0	20.0
trans-1,2-Dichloroethene	FB	Ave	53022 2013318	107586	281119	537762	1018642	1.00 40.0	2.00	5.00	10.0	20.0
Hexane	FB	Ave	10101 413173	23363	55548	103509	194683	1.00 40.0	2.00	5.00	10.0	20.0
1,1-Dichloroethane	FB	Ave	86603 3344223	180038	464711	882807	1689424	1.00 40.0	2.00	5.00	10.0	20.0
Vinyl acetate	FB	Ave	6515 318877	12565	40276	80180	161200	1.00 40.0	2.00	5.00	10.0	20.0
2-Butanone (MEK)	FB	Ave	35644 1351963	67000	195379	346151	714268	2.00 80.0	4.00	10.0	20.0	40.0
cis-1,2-Dichloroethene	FB	Ave	56243 2151531	111152	301005	570916	1084405	1.00 40.0	2.00	5.00	10.0	20.0
2,2-Dichloropropane	FB	Ave	41719 1839264	88390	247518	465524	912625	1.00 40.0	2.00	5.00	10.0	20.0
Bromochloromethane	FB	Ave	27240 1034113	59224	147118	270865	533012	1.00 40.0	2.00	5.00	10.0	20.0
Tetrahydrofuran	FB	Ave	12370 455243	26729	61864	122366	243391	1.00 40.0	2.00	5.00	10.0	20.0
Chloroform	FB	Ave	88171 3370739	181502	469599	888343	1705669	1.00 40.0	2.00	5.00	10.0	20.0
1,1,1-Trichloroethane	FB	Ave	61698 2516616	127454	343724	653910	1264608	1.00 40.0	2.00	5.00	10.0	20.0
Cyclohexane	FB	Ave	77885 3261330	158733	417191	825127	1579443	1.00 40.0	2.00	5.00	10.0	20.0
1,1-Dichloropropene	FB	Ave	60486 2605682	130002	348272	656670	1290438	1.00 40.0	2.00	5.00	10.0	20.0
Carbon tetrachloride	FB	Ave	55305 2264034	108482	290391	568496	1092712	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dichloroethane	FB	Ave	59264 2404196	125575	332746	621111	1194163	1.00 40.0	2.00	5.00	10.0	20.0
Benzene	FB	Ave	212719 8285150	419287	1116074	2072804	4039822	1.00 40.0	2.00	5.00	10.0	20.0
Trichloroethene	FB	Ave	53655 2092163	105370	288125	535904	1047905	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dichloropropane	FB	Ave	43830 1874945	88848	246855	475830	924602	1.00 40.0	2.00	5.00	10.0	20.0
Methylcyclohexane	FB	Ave	66442 2913559	139383	363431	723017	1401580	1.00 40.0	2.00	5.00	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-1 Analy Batch No.: 68811

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/14/2012 15:32 Calibration End Date: 12/14/2012 17:19 Calibration ID: 12853

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dibromomethane	FB	Ave	28558 1070356	52642	147000	278287	532813	1.00 40.0	2.00	5.00	10.0	20.0
1,4-Dioxane	FB	Ave	11215 546333	23007	86141	152231	320231	50.0 2000	100	250	500	1000
Bromodichloromethane	FB	Ave	53902 2444656	105852	299266	585738	1152209	1.00 40.0	2.00	5.00	10.0	20.0
2-Chloroethyl vinyl ether	FB	Ave	40924 2178949	83867	248859	499763	1041269	2.00 80.0	4.00	10.0	20.0	40.0
cis-1,3-Dichloropropene	FB	Ave	56936 2939323	115070	342339	683552	1394385	1.00 40.0	2.00	5.00	10.0	20.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	61798 2986828	137346	377538	730318	1499585	2.00 80.0	4.00	10.0	20.0	40.0
Toluene	CBZ	Ave	201223 8918073	391475	1115595	2181955	4260011	1.00 40.0	2.00	5.00	10.0	20.0
trans-1,3-Dichloropropene	CBZ	Ave	47071 2627978	96889	285077	587888	1219585	1.00 40.0	2.00	5.00	10.0	20.0
Ethyl methacrylate	CBZ	Lin1	38268 2402128	80366	253577	547095	1106263	1.00 40.0	2.00	5.00	10.0	20.0
1,1,2-Trichloroethane	CBZ	Ave	40879 1626165	80829	221646	415376	784752	1.00 40.0	2.00	5.00	10.0	20.0
1,3-Dichloropropane	CBZ	Ave	68872 2941228	139604	371448	719931	1411177	1.00 40.0	2.00	5.00	10.0	20.0
Tetrachloroethene	CBZ	Ave	41752 1743486	85777	233887	436221	842392	1.00 40.0	2.00	5.00	10.0	20.0
2-Hexanone	CBZ	Ave	38833 2011555	85516	246809	501002	1006319	2.00 80.0	4.00	10.0	20.0	40.0
Dibromochloromethane	CBZ	Ave	35521 1943180	71354	220689	449306	883263	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dibromoethane	CBZ	Ave	37474 1681754	77017	215997	411739	815423	1.00 40.0	2.00	5.00	10.0	20.0
Chlorobenzene	CBZ	Ave	140412 5763785	267494	718279	1393142	2721158	1.00 40.0	2.00	5.00	10.0	20.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	44156 2009188	88467	249379	491018	977329	1.00 40.0	2.00	5.00	10.0	20.0
Ethylbenzene	CBZ	Ave	63206 3122357	130191	375534	738252	1460383	1.00 40.0	2.00	5.00	10.0	20.0
m-Xylene & p-Xylene	CBZ	Ave	153782 8029139	333111	950545	1880784	3701497	2.00 80.0	4.00	10.0	20.0	40.0
o-Xylene	CBZ	Ave	78906 3786625	151628	452161	919839	1785939	1.00 40.0	2.00	5.00	10.0	20.0
Styrene	CBZ	Ave	116186 6580880	251304	746678	1511468	3006905	1.00 40.0	2.00	5.00	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-1 Analy Batch No.: 68811

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/14/2012 15:32 Calibration End Date: 12/14/2012 17:19 Calibration ID: 12853

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Bromoform	CBZ	Ave	21983 1257632	50523	139362	281993	593612	1.00 40.0	2.00	5.00	10.0	20.0
Isopropylbenzene	CBZ	Ave	180463 9434871	383482	1092782	2200056	4414441	1.00 40.0	2.00	5.00	10.0	20.0
1,1,2,2-Tetrachloroethane	DCB	Ave	57603 2103601	116917	291936	582186	1112923	1.00 40.0	2.00	5.00	10.0	20.0
Bromobenzene	DCB	Ave	57702 2512184	120378	312609	613898	1195678	1.00 40.0	2.00	5.00	10.0	20.0
1,2,3-Trichloropropane	DCB	Ave	17288 689742	39531	95077	192099	367359	1.00 40.0	2.00	5.00	10.0	20.0
trans-1,4-Dichloro-2-butene	DCB	Ave	12169 627324	26124	72004	143098	291069	1.00 40.0	2.00	5.00	10.0	20.0
N-Propylbenzene	DCB	Ave	50472 2575518	106115	304646	635760	1202925	1.00 40.0	2.00	5.00	10.0	20.0
2-Chlorotoluene	DCB	Ave	52302 2291217	106035	291871	576466	1105775	1.00 40.0	2.00	5.00	10.0	20.0
1,3,5-Trimethylbenzene	DCB	Ave	138525 7282720	313803	897255	1826608	3538007	1.00 40.0	2.00	5.00	10.0	20.0
4-Chlorotoluene	DCB	Ave	53322 2495788	114832	304121	615149	1200376	1.00 40.0	2.00	5.00	10.0	20.0
tert-Butylbenzene	DCB	Ave	132732 6582408	292170	828302	1511971	2984266	1.00 40.0	2.00	5.00	10.0	20.0
1,2,4-Trimethylbenzene	DCB	Ave	145206 7368168	324423	916215	1879912	3628284	1.00 40.0	2.00	5.00	10.0	20.0
sec-Butylbenzene	DCB	Ave	165282 7782442	361742	1006256	2000156	3886899	1.00 40.0	2.00	5.00	10.0	20.0
1,3-Dichlorobenzene	DCB	Ave	107876 4452897	222909	591644	1133384	2221454	1.00 40.0	2.00	5.00	10.0	20.0
4-Isopropyltoluene	DCB	Ave	136793 6703826	305478	853074	1724457	3363069	1.00 40.0	2.00	5.00	10.0	20.0
1,4-Dichlorobenzene	DCB	Ave	126220 4675040	245211	623927	1207911	2378436	1.00 40.0	2.00	5.00	10.0	20.0
n-Butylbenzene	DCB	Ave	117119 5309751	241423	668858	1351363	2670295	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dichlorobenzene	DCB	Ave	108086 4020924	213261	574232	1107131	2114347	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	8751 267693	16687	46693	90506	176060	1.00 40.0	2.00	5.00	10.0	20.0
1,3,5-Trichlorobenzene	DCB	Ave	60296 1891087	124291	324767	619057	1145528	1.00 40.0	2.00	5.00	10.0	20.0
1,2,4-Trichlorobenzene	DCB	Ave	51604 1524561	109926	277130	535668	1033524	1.00 40.0	2.00	5.00	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-1 Analy Batch No.: 68811

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/14/2012 15:32 Calibration End Date: 12/14/2012 17:19 Calibration ID: 12853

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Hexachlorobutadiene	DCB	Ave	28628 +++++	58229	128818	235730	407272	1.00 +++++	2.00	5.00	10.0	20.0
Naphthalene	DCB	Ave	109730 3528569	243498	709007	1422425	2771695	1.00 40.0	2.00	5.00	10.0	20.0
1,2,3-Trichlorobenzene	DCB	Ave	50318 +++++	102615	271329	501922	900936	1.00 +++++	2.00	5.00	10.0	20.0
Dibromofluoromethane (Surr)	FB	Ave	42158 1735851	86392	251766	480236	884388	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	49683 2013493	106682	283109	561592	1012260	1.00 40.0	2.00	5.00	10.0	20.0
Toluene-d8 (Surr)	CBZ	Ave	153502 7239634	318950	924741	1829193	3419440	1.00 40.0	2.00	5.00	10.0	20.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	55001 2512201	113500	320732	639616	1210691	1.00 40.0	2.00	5.00	10.0	20.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1400.D
Lims ID: STD8260 L6 Client ID:
Inject. Date: 14-Dec-2012 15:32:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 240-0015869-002
Misc. Info.: P21214A-IC,8260LLUX10,,1904 =P21214A-IC,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 1
Lims Batch ID: 68811 Lims Sample ID: 2
Sublist: chrom-8260_10*sub25
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121214-15869.b\8260_10.m
Last Update: 17-Dec-2012 09:35:32 Calib Date: 14-Dec-2012 19:27:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK031

First Level Reviewer: quayler Date: 14-Dec-2012 16:52:39

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.203	5.206	-0.003	100	1830513	10.0	
* 2 Chlorobenzene-d5	117	7.878	7.880	-0.002	82	1330181	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.126	10.129	-0.003	91	755485	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.635	4.636	-0.001	67	1735851	40.5	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.919	4.920	-0.001	0	2013493	40.3	
$ 7 Toluene-d8 (Surr)	98	6.564	6.565	-0.001	92	7239634	42.0	
$ 8 4-Bromofluorobenzene (Surr)	95	8.990	8.991	-0.001	93	2512201	41.5	
12 Dichlorodifluoromethane	85	1.559	1.560	-0.001	88	1465250	43.3	
13 Chloromethane	50	1.701	1.690	0.011	100	2421494	40.1	
14 Vinyl chloride	62	1.795	1.796	-0.001	97	2448503	40.7	
16 Bromomethane	94	2.091	2.080	0.011	90	986207	35.0	
17 Chloroethane	64	2.174	2.163	0.011	95	1374711	39.3	
19 Trichlorofluoromethane	101	2.399	2.388	0.011	98	1872605	38.5	
21 Acrolein	56	2.707	2.707	0.0	95	2155771	392.9	
23 1,1-Dichloroethene	96	2.813	2.814	-0.001	89	1805547	38.9	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.825	2.826	-0.001	83	1447462	40.0	
24 Acetone	43	2.825	2.826	-0.001	85	855958	80.0	
26 Iodomethane	142	2.943	2.944	-0.001	96	2839133	38.6	
27 Carbon disulfide	76	3.014	3.003	0.011	99	6005070	42.5	
28 Acetonitrile	41	3.050	3.051	-0.001	98	1342771	409.6	
30 Methyl acetate	43	3.109	3.098	0.011	96	2638039	77.0	
31 Methylene Chloride	84	3.204	3.193	0.011	91	2066270	40.4	
32 2-Methyl-2-propanol	59	3.263	3.264	-0.001	98	1530596	727.2	
33 Acrylonitrile	53	3.381	3.382	-0.001	98	1253177	77.6	
35 Methyl tert-butyl ether	73	3.428	3.429	-0.001	88	5258214	42.6	
34 trans-1,2-Dichloroethene	96	3.428	3.429	-0.001	65	2013318	40.1	
36 Hexane	86	3.665	3.666	-0.001	92	413173	41.3	
37 1,1-Dichloroethane	63	3.772	3.772	0.0	97	3344223	40.2	
38 Vinyl acetate	86	3.795	3.796	-0.001	97	318877	44.9	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
42 2-Butanone (MEK)	43	4.245	4.246	-0.001	93	1351963	80.6	
43 cis-1,2-Dichloroethene	96	4.245	4.246	-0.001	69	2151531	40.4	
44 2,2-Dichloropropane	77	4.257	4.257	0.0	80	1839264	42.6	
48 Chlorobromomethane	128	4.446	4.447	-0.001	89	1034113	39.5	
49 Tetrahydrofuran	42	4.493	4.494	-0.001	96	455243	39.0	
50 Chloroform	83	4.505	4.494	0.011	82	3370739	40.2	
51 1,1,1-Trichloroethane	97	4.683	4.672	0.011	93	2516616	41.3	
52 Cyclohexane	56	4.742	4.743	-0.001	88	3261330	42.6	
53 1,1-Dichloropropene	75	4.813	4.814	-0.001	94	2605682	42.2	
54 Carbon tetrachloride	117	4.825	4.825	0.0	77	2264034	42.6	
56 1,2-Dichloroethane	62	4.978	4.979	-0.001	46	2404196	41.1	
57 Benzene	78	4.990	4.979	0.011	94	8285150	41.5	
61 Trichloroethene	130	5.523	5.524	-0.001	96	2092163	41.1	
64 1,2-Dichloropropane	63	5.700	5.701	-0.001	91	1874945	42.6	
63 Methylcyclohexane	83	5.700	5.701	-0.001	91	2913559	43.4	
66 Dibromomethane	93	5.807	5.808	-0.001	88	1070356	40.9	
67 1,4-Dioxane	88	5.807	5.808	-0.001	44	546333	2043.4	
68 Dichlorobromomethane	83	5.925	5.926	-0.001	94	2444656	44.9	
70 2-Chloroethyl vinyl ether	63	6.174	6.174	0.0	90	2178949	95.2	
71 cis-1,3-Dichloropropene	75	6.316	6.316	0.0	93	2939323	47.1	
72 4-Methyl-2-pentanone (MIBK)	43	6.446	6.447	-0.001	97	2986828	88.2	
73 Toluene	91	6.635	6.624	0.011	97	8918073	41.9	
74 trans-1,3-Dichloropropene	75	6.801	6.802	-0.001	92	2627978	46.6	
75 Ethyl methacrylate	69	6.872	6.873	-0.001	89	2402128	41.2	
76 1,1,2-Trichloroethane	97	6.966	6.967	-0.001	90	1626165	39.4	
77 1,3-Dichloropropane	76	7.120	7.121	-0.001	89	2941228	41.0	
78 Tetrachloroethene	164	7.132	7.133	-0.001	86	1743486	40.1	
79 2-Hexanone	43	7.191	7.192	-0.001	96	2011555	85.7	
81 Chlorodibromomethane	129	7.333	7.334	-0.001	90	1943180	46.1	
83 Ethylene Dibromide	107	7.452	7.452	0.0	98	1681754	41.4	
85 Chlorobenzene	112	7.913	7.914	-0.001	97	5763785	41.2	
86 1,1,1,2-Tetrachloroethane	131	7.984	7.973	0.011	89	2009188	42.0	
87 Ethylbenzene	106	8.008	8.008	0.0	97	3122357	43.7	
88 m-Xylene & p-Xylene	106	8.114	8.115	-0.001	99	8029139	88.8	
89 o-Xylene	106	8.493	8.494	-0.001	91	3786625	43.5	
90 Styrene	104	8.505	8.505	0.0	93	6580880	46.1	
91 Bromoform	173	8.682	8.683	-0.001	98	1257632	45.9	
92 Isopropylbenzene	105	8.848	8.849	-0.001	94	9434871	44.6	
95 1,1,2,2-Tetrachloroethane	83	9.108	9.109	-0.001	88	2103601	39.1	
96 Bromobenzene	156	9.144	9.144	0.0	92	2512184	43.6	
97 1,2,3-Trichloropropane	110	9.155	9.156	-0.001	76	689742	39.4	
98 trans-1,4-Dichloro-2-butene	53	9.167	9.168	-0.001	74	627324	47.1	
99 N-Propylbenzene	120	9.250	9.239	0.011	97	2575518	46.2	
100 2-Chlorotoluene	126	9.333	9.334	-0.001	95	2291217	43.4	
101 1,3,5-Trimethylbenzene	105	9.416	9.417	-0.001	93	7282720	45.3	
102 4-Chlorotoluene	126	9.439	9.440	-0.001	97	2495788	44.4	
103 tert-Butylbenzene	119	9.735	9.736	-0.001	90	6582408	45.8	
104 1,2,4-Trimethylbenzene	105	9.783	9.783	0.0	72	7368168	44.7	
105 sec-Butylbenzene	105	9.948	9.949	-0.001	93	7782442	43.4	
106 1,3-Dichlorobenzene	146	10.067	10.067	0.0	97	4452897	41.8	
107 4-Isopropyltoluene	119	10.090	10.091	-0.001	97	6703826	43.8	
108 1,4-Dichlorobenzene	146	10.149	10.150	-0.001	95	4675040	40.5	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
110 n-Butylbenzene	91	10.504	10.493	0.011	94	5309751	43.5	
111 1,2-Dichlorobenzene	146	10.516	10.517	-0.001	98	4020924	39.4	
112 1,2-Dibromo-3-Chloropropane	157	11.285	11.286	-0.001	87	267693	33.3	
113 1,3,5-Trichlorobenzene	180	11.510	11.511	-0.001	97	1891087	33.9	
114 1,2,4-Trichlorobenzene	180	12.125	12.126	-0.001	94	1524561	31.7	
115 Hexachlorobutadiene	225	12.303	12.304	-0.001	94	464400	19.4	
116 Naphthalene	128	12.374	12.375	-0.001	100	3528569	30.2	
117 1,2,3-Trichlorobenzene	180	12.622	12.623	-0.001	99	1039150	22.1	
S 119 Trihalomethanes, Total	1				0		177.0	
S 120 1,2-Dichloroethene, Total	96				0		80.4	
S 121 1,3-Dichloropropene, Total	75				0		93.7	
S 122 Xylenes, Total	106				0		132.3	

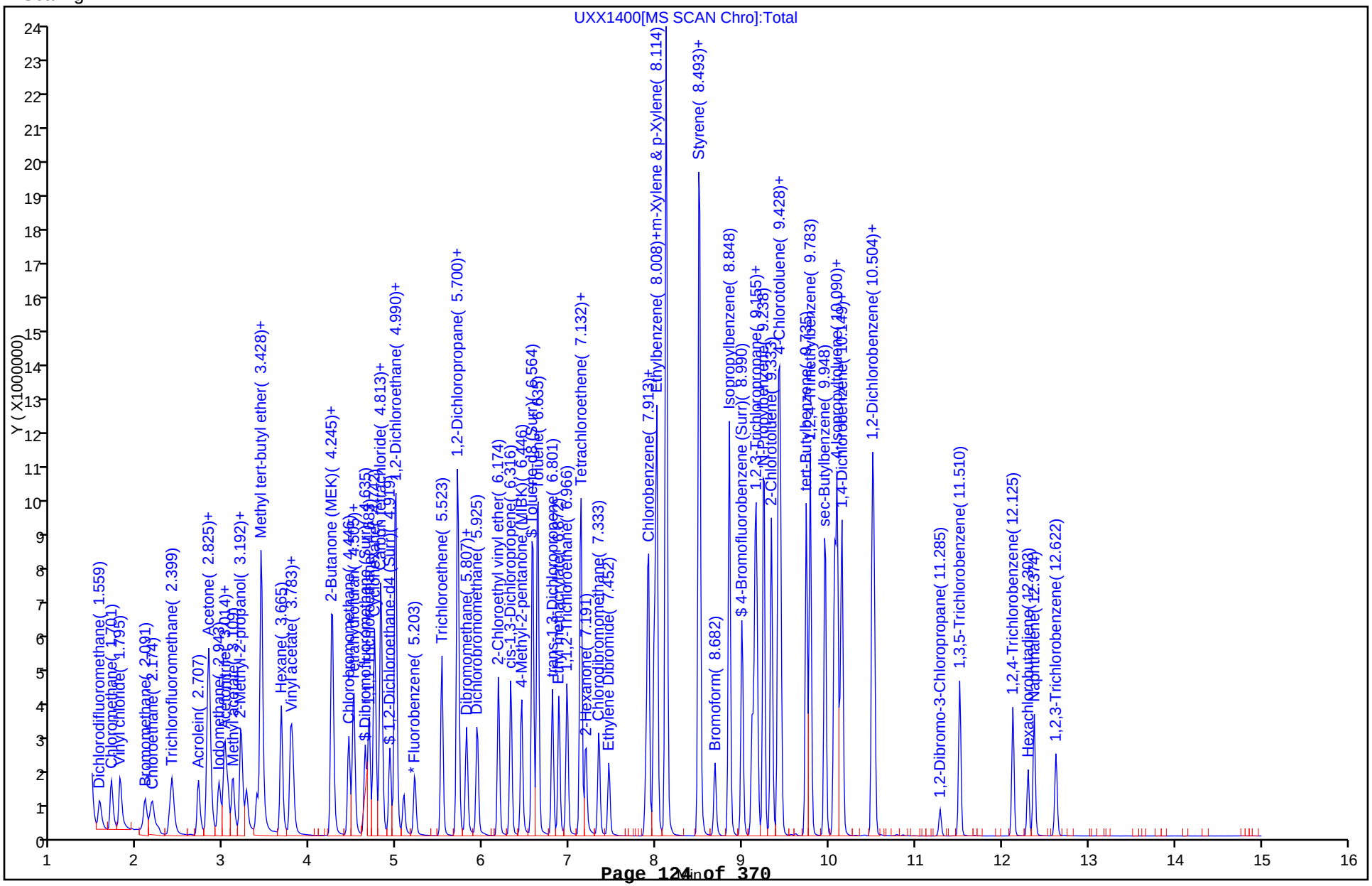
Report Date: 17-Dec-2012 09:35:33 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1400.D

Injection Date:	14-Dec-2012 15:32:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	68811	Lims Sample ID:	2
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1401.D
Lims ID: STD8260 L5 Client ID:
Inject. Date: 14-Dec-2012 15:53:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0015869-003
Misc. Info.: P21214A-IC,8260LLUX10,,1904 =P21214A-IC,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 2
Lims Batch ID: 68811 Lims Sample ID: 3
Sublist: chrom-8260_10*sub25
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121214-15869.b\8260_10.m
Last Update: 17-Dec-2012 09:35:33 Calib Date: 14-Dec-2012 19:27:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK031

First Level Reviewer: quayler Date: 14-Dec-2012 16:52:48

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.204	5.206	-0.002	99	1900330	10.0	
* 2 Chlorobenzene-d5	117	7.879	7.880	-0.001	82	1301576	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.127	10.129	-0.002	80	793511	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.636	4.636	0.0	59	884388	19.9	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.920	4.920	0.0	0	1012260	19.5	
$ 7 Toluene-d8 (Surr)	98	6.565	6.565	0.0	90	3419440	20.3	
$ 8 4-Bromofluorobenzene (Surr)	95	8.991	8.991	0.0	93	1210691	20.4	
12 Dichlorodifluoromethane	85	1.560	1.560	0.0	88	701197	20.0	
13 Chloromethane	50	1.690	1.690	0.0	99	1197291	19.1	
14 Vinyl chloride	62	1.797	1.796	0.001	94	1189219	19.1	
16 Bromomethane	94	2.081	2.080	0.001	89	530218	18.1	
17 Chloroethane	64	2.163	2.163	0.0	99	691777	19.0	
19 Trichlorofluoromethane	101	2.388	2.388	0.0	87	908849	18.0	
21 Acrolein	56	2.696	2.707	-0.011	95	1128836	198.2	
23 1,1-Dichloroethene	96	2.814	2.814	0.0	96	924980	19.2	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.826	2.826	0.0	94	705696	18.8	
24 Acetone	43	2.826	2.826	0.0	93	447033	39.8	
26 Iodomethane	142	2.944	2.944	0.0	96	1491127	19.5	
27 Carbon disulfide	76	3.004	3.003	0.001	99	2906807	19.8	
28 Acetonitrile	41	3.051	3.051	0.0	95	650587	191.2	
30 Methyl acetate	43	3.098	3.098	0.0	95	1371027	38.5	
31 Methylene Chloride	84	3.193	3.193	0.0	88	1075839	19.8	
32 2-Methyl-2-propanol	59	3.264	3.264	0.0	94	858644	393.0	
33 Acrylonitrile	53	3.382	3.382	0.0	100	668258	39.8	
35 Methyl tert-butyl ether	73	3.430	3.429	0.001	88	2620917	20.5	
34 trans-1,2-Dichloroethene	96	3.430	3.429	0.001	67	1018642	19.5	
36 Hexane	86	3.666	3.666	0.0	92	194683	18.7	
37 1,1-Dichloroethane	63	3.773	3.772	0.001	85	1689424	19.6	
38 Vinyl acetate	86	3.796	3.796	0.0	96	161200	21.9	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
42 2-Butanone (MEK)	43	4.246	4.246	0.0	68	714268	41.0	
43 cis-1,2-Dichloroethene	96	4.246	4.246	0.0	84	1084405	19.6	
44 2,2-Dichloropropane	77	4.258	4.257	0.001	88	912625	20.3	
48 Chlorobromomethane	128	4.447	4.447	0.0	91	533012	19.6	
49 Tetrahydrofuran	42	4.494	4.494	0.0	94	243391	20.1	
50 Chloroform	83	4.494	4.494	0.0	93	1705669	19.6	
51 1,1,1-Trichloroethane	97	4.672	4.672	0.0	91	1264608	20.0	
52 Cyclohexane	56	4.743	4.743	0.0	88	1579443	19.9	
53 1,1-Dichloropropene	75	4.814	4.814	0.0	94	1290438	20.1	
54 Carbon tetrachloride	117	4.826	4.825	0.001	79	1092712	19.8	
56 1,2-Dichloroethane	62	4.980	4.979	0.001	52	1194163	19.7	
57 Benzene	78	4.980	4.979	0.001	94	4039822	19.5	
61 Trichloroethene	130	5.524	5.524	0.0	95	1047905	19.8	
64 1,2-Dichloropropane	63	5.701	5.701	0.0	77	924602	20.2	
63 Methylcyclohexane	83	5.701	5.701	0.0	87	1401580	20.1	
66 Dibromomethane	93	5.808	5.808	0.0	88	532813	19.6	
67 1,4-Dioxane	88	5.808	5.808	0.0	88	320231	1153.7	
68 Dichlorobromomethane	83	5.926	5.926	0.0	94	1152209	20.4	
70 2-Chloroethyl vinyl ether	63	6.175	6.174	0.001	92	1041269	43.8	
71 cis-1,3-Dichloropropene	75	6.317	6.316	0.001	92	1394385	21.5	
72 4-Methyl-2-pentanone (MIBK)	43	6.447	6.447	0.0	96	1499585	42.6	
73 Toluene	91	6.624	6.624	0.0	98	4260011	20.5	
74 trans-1,3-Dichloropropene	75	6.802	6.802	0.0	88	1219585	22.1	
75 Ethyl methacrylate	69	6.873	6.873	0.0	89	1106263	19.7	
76 1,1,2-Trichloroethane	97	6.968	6.967	0.001	85	784752	19.4	
77 1,3-Dichloropropane	76	7.121	7.121	0.0	92	1411177	20.1	
78 Tetrachloroethene	164	7.133	7.133	0.0	91	842392	19.8	
79 2-Hexanone	43	7.181	7.192	-0.011	95	1006319	43.8	
81 Chlorodibromomethane	129	7.334	7.334	0.0	89	883263	21.4	
83 Ethylene Dibromide	107	7.453	7.452	0.001	98	815423	20.5	
85 Chlorobenzene	112	7.914	7.914	0.0	97	2721158	19.9	
86 1,1,1,2-Tetrachloroethane	131	7.973	7.973	0.0	89	977329	20.9	
87 Ethylbenzene	106	8.009	8.008	0.001	97	1460383	20.9	
88 m-Xylene & p-Xylene	106	8.115	8.115	0.0	99	3701497	41.8	
89 o-Xylene	106	8.494	8.494	0.0	89	1785939	21.0	
90 Styrene	104	8.506	8.505	0.001	93	3006905	21.5	
91 Bromoform	173	8.683	8.683	0.0	99	593612	22.1	
92 Isopropylbenzene	105	8.849	8.849	0.0	94	4414441	21.3	
95 1,1,2,2-Tetrachloroethane	83	9.109	9.109	0.0	94	1112923	19.7	
96 Bromobenzene	156	9.145	9.144	0.001	91	1195678	19.8	
97 1,2,3-Trichloropropane	110	9.157	9.156	0.001	73	367359	20.0	
98 trans-1,4-Dichloro-2-butene	53	9.168	9.168	0.0	73	291069	20.8	
99 N-Propylbenzene	120	9.239	9.239	0.0	97	1202925	20.5	
100 2-Chlorotoluene	126	9.334	9.334	0.0	97	1105775	19.9	
101 1,3,5-Trimethylbenzene	105	9.417	9.417	0.0	91	3538007	21.0	
102 4-Chlorotoluene	126	9.441	9.440	0.001	96	1200376	20.3	
103 tert-Butylbenzene	119	9.736	9.736	0.0	88	2984266	19.8	
104 1,2,4-Trimethylbenzene	105	9.784	9.783	0.001	85	3628284	20.9	
105 sec-Butylbenzene	105	9.949	9.949	0.0	92	3886899	20.6	
106 1,3-Dichlorobenzene	146	10.068	10.067	0.001	87	2221454	19.9	
107 4-Isopropyltoluene	119	10.091	10.091	0.0	97	3363069	20.9	
108 1,4-Dichlorobenzene	146	10.151	10.150	0.001	95	2378436	19.6	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
110 n-Butylbenzene	91	10.494	10.493	0.001	95	2670295	20.8	
111 1,2-Dichlorobenzene	146	10.517	10.517	0.0	98	2114347	19.7	
112 1,2-Dibromo-3-Chloropropane	157	11.287	11.286	0.001	86	176060	20.8	
113 1,3,5-Trichlorobenzene	180	11.511	11.511	0.0	97	1145528	19.5	
114 1,2,4-Trichlorobenzene	180	12.127	12.126	0.001	94	1033524	20.4	
115 Hexachlorobutadiene	225	12.304	12.304	0.0	92	407272	16.2	
116 Naphthalene	128	12.375	12.375	0.0	100	2771695	22.6	
117 1,2,3-Trichlorobenzene	180	12.624	12.623	0.001	99	900936	18.2	
S 119 Trihalomethanes, Total	1				0		83.5	
S 120 1,2-Dichloroethene, Total	96				0		39.1	
S 121 1,3-Dichloropropene, Total	75				0		43.6	
S 122 Xylenes, Total	106				0		62.8	

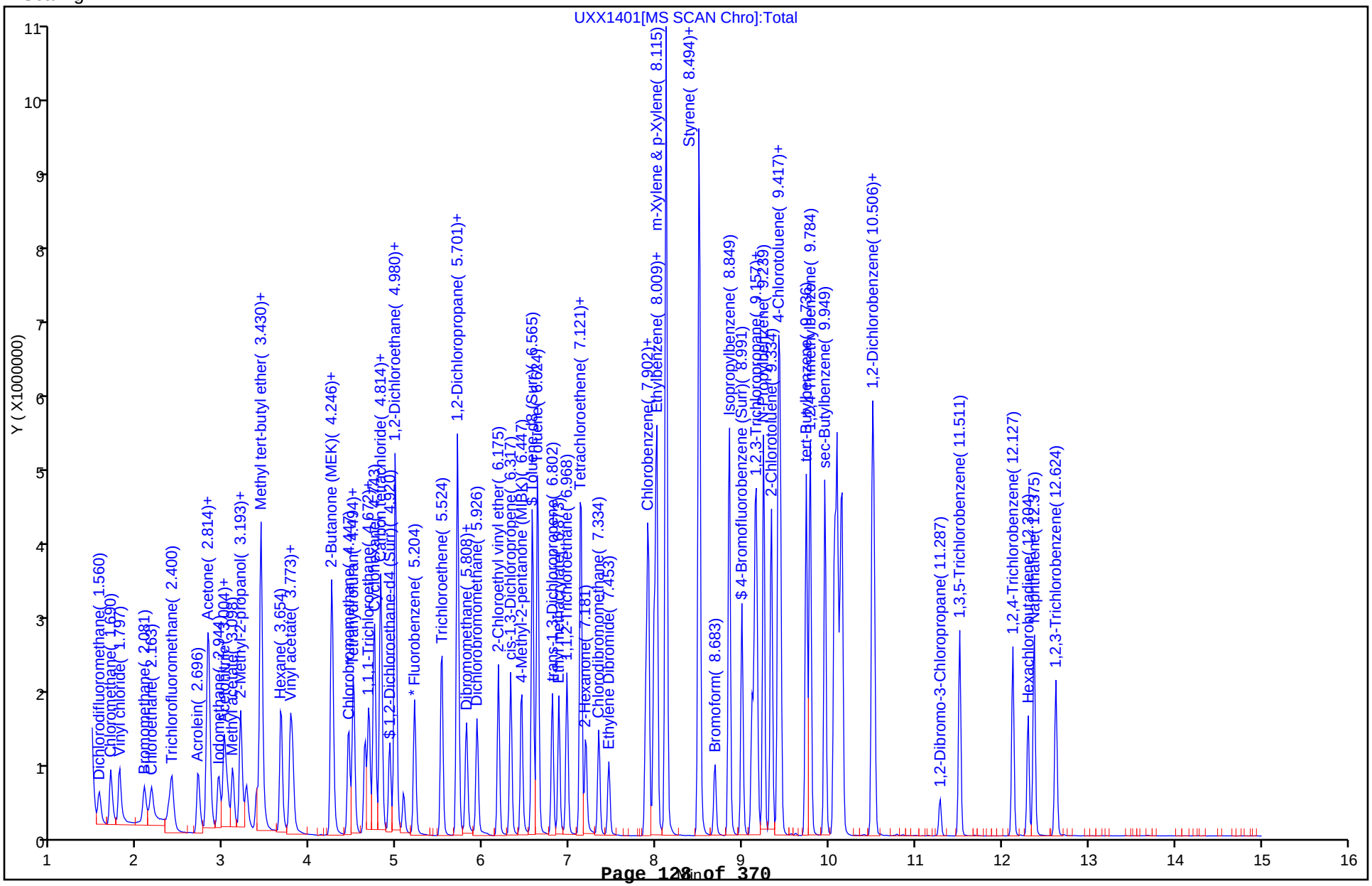
Report Date: 17-Dec-2012 09:35:33 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1401.D

Injection Date:	14-Dec-2012 15:53:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	68811	Lims Sample ID:	3
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1402.D
Lims ID: STD8260 L4 Client ID:
Inject. Date: 14-Dec-2012 16:15:30 Dil. Factor: 1.0000
Sample Type: ICIS Calib Level: 4
Sample ID: 240-0015869-004
Misc. Info.: P21214A-IC,8260LLUX10,,1904 =P21214A-IC,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 3
Lims Batch ID: 68811 Lims Sample ID: 4
Sublist: chrom-8260_10*sub25
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121214-15869.b\8260_10.m
Last Update: 17-Dec-2012 09:35:34 Calib Date: 14-Dec-2012 19:27:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK031

First Level Reviewer: quayler Date: 14-Dec-2012 16:52:59

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.204	5.204	0.0	99	1972714	10.0	
* 2 Chlorobenzene-d5	117	7.878	7.878	0.0	83	1372066	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.127	10.127	0.0	91	826025	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.636	4.636	0.0	59	480236	10.4	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.920	4.920	0.0	0	561592	10.4	
$ 7 Toluene-d8 (Surr)	98	6.565	6.565	0.0	93	1829193	10.3	
$ 8 4-Bromofluorobenzene (Surr)	95	8.991	8.991	0.0	93	639616	10.2	
12 Dichlorodifluoromethane	85	1.560	1.560	0.0	97	367469	10.1	
13 Chloromethane	50	1.690	1.690	0.0	88	640285	9.83	
14 Vinyl chloride	62	1.796	1.796	0.0	97	637089	9.84	
16 Bromomethane	94	2.080	2.080	0.0	89	299602	9.86	
17 Chloroethane	64	2.163	2.163	0.0	100	364043	9.65	
19 Trichlorofluoromethane	101	2.388	2.388	0.0	96	516118	9.85	
21 Acrolein	56	2.707	2.707	0.0	96	590361	99.8	
23 1,1-Dichloroethene	96	2.814	2.814	0.0	97	478079	9.56	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.826	2.826	0.0	86	370380	9.49	
24 Acetone	43	2.826	2.826	0.0	61	247062	20.8	
26 Iodomethane	142	2.944	2.944	0.0	96	786944	9.92	
27 Carbon disulfide	76	3.003	3.003	0.0	99	1511067	9.92	
28 Acetonitrile	41	3.051	3.051	0.0	95	344829	97.6	
30 Methyl acetate	43	3.098	3.098	0.0	95	716425	19.4	
31 Methylene Chloride	84	3.193	3.193	0.0	90	579966	9.85	
32 2-Methyl-2-propanol	59	3.264	3.264	0.0	96	450805	198.8	
33 Acrylonitrile	53	3.382	3.382	0.0	100	347593	20.0	
35 Methyl tert-butyl ether	73	3.429	3.429	0.0	89	1345206	10.1	
34 trans-1,2-Dichloroethene	96	3.429	3.429	0.0	65	537762	9.93	
36 Hexane	86	3.666	3.666	0.0	92	103509	9.60	
37 1,1-Dichloroethane	63	3.772	3.772	0.0	97	882807	9.86	
38 Vinyl acetate	86	3.796	3.796	0.0	96	80180	10.5	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
42 2-Butanone (MEK)	43	4.246	4.246	0.0	57	346151	19.1	
43 cis-1,2-Dichloroethene	96	4.246	4.246	0.0	81	570916	9.94	
44 2,2-Dichloropropane	77	4.257	4.257	0.0	88	465524	10.0	
48 Chlorobromomethane	128	4.447	4.447	0.0	92	270865	9.59	
49 Tetrahydrofuran	42	4.494	4.494	0.0	91	122366	9.72	
50 Chloroform	83	4.494	4.494	0.0	92	888343	9.82	
51 1,1,1-Trichloroethane	97	4.672	4.672	0.0	92	653910	9.96	
52 Cyclohexane	56	4.743	4.743	0.0	89	825127	10.0	
53 1,1-Dichloropropene	75	4.814	4.814	0.0	94	656670	9.88	
54 Carbon tetrachloride	117	4.825	4.825	0.0	80	568496	9.93	
56 1,2-Dichloroethane	62	4.979	4.979	0.0	52	621111	9.85	
57 Benzene	78	4.979	4.979	0.0	94	2072804	9.64	
61 Trichloroethene	130	5.524	5.524	0.0	96	535904	9.76	
64 1,2-Dichloropropane	63	5.701	5.701	0.0	81	475830	10.0	
63 Methylcyclohexane	83	5.701	5.701	0.0	90	723017	10.0	
66 Dibromomethane	93	5.808	5.808	0.0	92	278287	9.87	
67 1,4-Dioxane	88	5.808	5.808	0.0	90	152231	528.3	
68 Dichlorobromomethane	83	5.926	5.926	0.0	94	585738	9.99	
70 2-Chloroethyl vinyl ether	63	6.174	6.174	0.0	90	499763	20.3	
71 cis-1,3-Dichloropropene	75	6.316	6.316	0.0	92	683552	10.2	
72 4-Methyl-2-pentanone (MIBK)	43	6.447	6.447	0.0	96	730318	20.0	
73 Toluene	91	6.624	6.624	0.0	95	2181955	9.94	
74 trans-1,3-Dichloropropene	75	6.802	6.802	0.0	92	587888	10.1	
75 Ethyl methacrylate	69	6.873	6.873	0.0	88	547095	9.48	
76 1,1,2-Trichloroethane	97	6.967	6.967	0.0	90	415376	9.76	
77 1,3-Dichloropropane	76	7.121	7.121	0.0	94	719931	9.74	
78 Tetrachloroethene	164	7.133	7.133	0.0	92	436221	9.72	
79 2-Hexanone	43	7.192	7.192	0.0	95	501002	20.7	
81 Chlorodibromomethane	129	7.334	7.334	0.0	88	449306	10.3	
83 Ethylene Dibromide	107	7.452	7.452	0.0	98	411739	9.84	
85 Chlorobenzene	112	7.914	7.914	0.0	97	1393142	9.65	
86 1,1,1,2-Tetrachloroethane	131	7.973	7.973	0.0	85	491018	9.95	
87 Ethylbenzene	106	8.008	8.008	0.0	97	738252	10.0	
88 m-Xylene & p-Xylene	106	8.115	8.115	0.0	100	1880784	20.2	
89 o-Xylene	106	8.494	8.494	0.0	90	919839	10.3	
90 Styrene	104	8.505	8.505	0.0	93	1511468	10.3	
91 Bromoform	173	8.683	8.683	0.0	99	281993	9.97	
92 Isopropylbenzene	105	8.849	8.849	0.0	94	2200056	10.1	
95 1,1,2,2-Tetrachloroethane	83	9.109	9.109	0.0	88	582186	9.89	
96 Bromobenzene	156	9.144	9.144	0.0	90	613898	9.75	
97 1,2,3-Trichloropropane	110	9.156	9.156	0.0	76	192099	10.0	
98 trans-1,4-Dichloro-2-butene	53	9.168	9.168	0.0	75	143098	9.83	
99 N-Propylbenzene	120	9.239	9.239	0.0	97	635760	10.4	
100 2-Chlorotoluene	126	9.334	9.334	0.0	97	576466	9.99	
101 1,3,5-Trimethylbenzene	105	9.417	9.417	0.0	93	1826608	10.4	
102 4-Chlorotoluene	126	9.440	9.440	0.0	98	615149	10.0	
103 tert-Butylbenzene	119	9.736	9.736	0.0	89	1511971	9.62	
104 1,2,4-Trimethylbenzene	105	9.783	9.783	0.0	85	1879912	10.4	
105 sec-Butylbenzene	105	9.949	9.949	0.0	92	2000156	10.2	
106 1,3-Dichlorobenzene	146	10.067	10.067	0.0	87	1133384	9.74	
107 4-Isopropyltoluene	119	10.091	10.091	0.0	97	1724457	10.3	
108 1,4-Dichlorobenzene	146	10.150	10.150	0.0	94	1207911	9.57	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
110 n-Butylbenzene	91	10.493	10.493	0.0	97	1351363	10.1	
111 1,2-Dichlorobenzene	146	10.517	10.517	0.0	99	1107131	9.92	
112 1,2-Dibromo-3-Chloropropane	157	11.286	11.286	0.0	78	90506	10.3	
113 1,3,5-Trichlorobenzene	180	11.511	11.511	0.0	97	619057	10.1	
114 1,2,4-Trichlorobenzene	180	12.126	12.126	0.0	93	535668	10.2	
115 Hexachlorobutadiene	225	12.304	12.304	0.0	96	235730	9.01	
116 Naphthalene	128	12.375	12.375	0.0	100	1422425	11.1	
117 1,2,3-Trichlorobenzene	180	12.623	12.623	0.0	99	501922	9.74	
S 119 Trihalomethanes, Total	1				0		40.1	
S 120 1,2-Dichloroethene, Total	96				0		19.9	
S 121 1,3-Dichloropropene, Total	75				0		20.3	
S 122 Xylenes, Total	106				0		30.4	

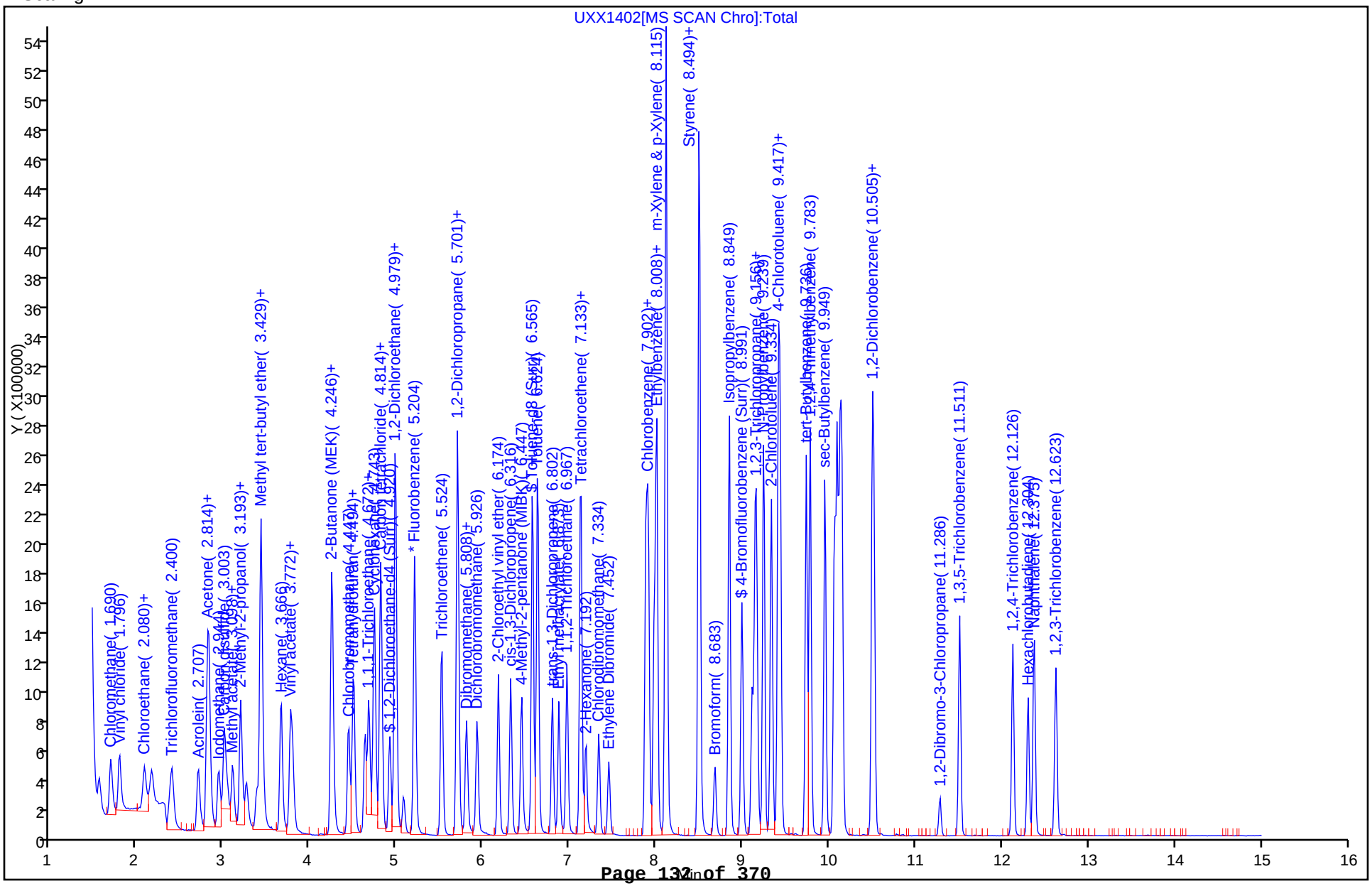
Report Date: 17-Dec-2012 09:35:35 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1402.D

Injection Date:	14-Dec-2012 16:15:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	68811	Lims Sample ID:	4
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1403.D
Lims ID: STD8260 L3 Client ID:
Inject. Date: 14-Dec-2012 16:36:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0015869-005
Misc. Info.: P21214A-IC,8260LLUX10,,1904 =P21214A-IC,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 4
Lims Batch ID: 68811 Lims Sample ID: 5
Sublist: chrom-8260_10*sub25
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121214-15869.b\8260_10.m
Last Update: 17-Dec-2012 09:35:35 Calib Date: 14-Dec-2012 19:27:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK031

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.204	5.204	0.0	99	2090185	10.0	
* 2 Chlorobenzene-d5	117	7.879	7.878	0.001	84	1389898	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.127	10.127	0.0	92	825944	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.636	4.636	0.0	57	251766	5.15	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.920	4.920	0.0	0	283109	4.96	
$ 7 Toluene-d8 (Surr)	98	6.565	6.565	0.0	82	924741	5.14	
$ 8 4-Bromofluorobenzene (Surr)	95	8.991	8.991	0.0	92	320732	5.07	
12 Dichlorodifluoromethane	85	1.560	1.560	0.0	97	195190	5.05	
13 Chloromethane	50	1.690	1.690	0.0	87	319288	4.63	
14 Vinyl chloride	62	1.785	1.796	-0.011	97	334620	4.88	
16 Bromomethane	94	2.081	2.080	0.001	88	162768	5.05	
17 Chloroethane	64	2.163	2.163	0.0	94	194942	4.88	
19 Trichlorofluoromethane	101	2.388	2.388	0.0	95	279258	5.03	
21 Acrolein	56	2.708	2.707	0.001	94	316219	50.5	
23 1,1-Dichloroethene	96	2.814	2.814	0.0	97	260297	4.91	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.826	2.826	0.0	88	195023	4.71	
24 Acetone	43	2.826	2.826	0.0	67	123882	9.34	
26 Iodomethane	142	2.944	2.944	0.0	97	417853	4.97	
27 Carbon disulfide	76	3.004	3.003	0.001	99	776307	4.81	
28 Acetonitrile	41	3.051	3.051	0.0	96	188394	50.3	
30 Methyl acetate	43	3.098	3.098	0.0	96	403759	10.3	
31 Methylene Chloride	84	3.193	3.193	0.0	83	332847	4.92	
32 2-Methyl-2-propanol	59	3.264	3.264	0.0	93	253376	105.4	
33 Acrylonitrile	53	3.382	3.382	0.0	99	192143	10.4	
35 Methyl tert-butyl ether	73	3.430	3.429	0.001	89	700832	4.97	
34 trans-1,2-Dichloroethene	96	3.430	3.429	0.001	67	281119	4.90	
36 Hexane	86	3.666	3.666	0.0	93	55548	4.86	
37 1,1-Dichloroethane	63	3.773	3.772	0.001	96	464711	4.90	
38 Vinyl acetate	86	3.796	3.796	0.0	96	40276	4.97	
42 2-Butanone (MEK)	43	4.246	4.246	0.0	56	195379	10.2	
43 cis-1,2-Dichloroethene	96	4.246	4.246	0.0	67	301005	4.95	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
44 2,2-Dichloropropane	77	4.258	4.257	0.001	74	247518	5.02	
48 Chlorobromomethane	128	4.447	4.447	0.0	88	147118	4.92	
49 Tetrahydrofuran	42	4.494	4.494	0.0	79	61864	4.64	
50 Chloroform	83	4.494	4.494	0.0	92	469599	4.90	
51 1,1,1-Trichloroethane	97	4.672	4.672	0.0	95	343724	4.94	
52 Cyclohexane	56	4.743	4.743	0.0	89	417191	4.78	
53 1,1-Dichloropropene	75	4.814	4.814	0.0	94	348272	4.94	
54 Carbon tetrachloride	117	4.826	4.825	0.001	79	290391	4.79	
56 1,2-Dichloroethane	62	4.980	4.979	0.001	80	332746	4.98	
57 Benzene	78	4.980	4.979	0.001	94	1116074	4.90	
61 Trichloroethene	130	5.524	5.524	0.0	97	288125	4.95	
64 1,2-Dichloropropane	63	5.701	5.701	0.0	77	246855	4.91	
63 Methylcyclohexane	83	5.701	5.701	0.0	86	363431	4.75	
66 Dibromomethane	93	5.808	5.808	0.0	91	147000	4.92	
67 1,4-Dioxane	88	5.808	5.808	0.0	92	86141	282.2	
68 Dichlorobromomethane	83	5.926	5.926	0.0	93	299266	4.82	
70 2-Chloroethyl vinyl ether	63	6.175	6.174	0.001	93	248859	9.53	
71 cis-1,3-Dichloropropene	75	6.317	6.316	0.001	91	342339	4.80	
72 4-Methyl-2-pentanone (MIBK)	43	6.447	6.447	0.0	96	377538	9.76	
73 Toluene	91	6.624	6.624	0.0	99	1115595	5.02	
74 trans-1,3-Dichloropropene	75	6.802	6.802	0.0	89	285077	4.84	
75 Ethyl methacrylate	69	6.873	6.873	0.0	89	253577	4.61	
76 1,1,2-Trichloroethane	97	6.968	6.967	0.001	90	221646	5.14	
77 1,3-Dichloropropane	76	7.121	7.121	0.0	93	371448	4.96	
78 Tetrachloroethene	164	7.133	7.133	0.0	95	233887	5.14	
79 2-Hexanone	43	7.181	7.192	-0.011	95	246809	10.1	
81 Chlorodibromomethane	129	7.334	7.334	0.0	88	220689	5.01	
83 Ethylene Dibromide	107	7.453	7.452	0.001	98	215997	5.09	
85 Chlorobenzene	112	7.914	7.914	0.0	97	718279	4.91	
86 1,1,1,2-Tetrachloroethane	131	7.973	7.973	0.0	82	249379	4.99	
87 Ethylbenzene	106	8.009	8.008	0.001	97	375534	5.03	
88 m-Xylene & p-Xylene	106	8.115	8.115	0.0	99	950545	10.1	
89 o-Xylene	106	8.494	8.494	0.0	94	452161	4.98	
90 Styrene	104	8.506	8.505	0.001	93	746678	5.00	
91 Bromoform	173	8.683	8.683	0.0	98	139362	4.86	
92 Isopropylbenzene	105	8.849	8.849	0.0	95	1092782	4.95	
95 1,1,2,2-Tetrachloroethane	83	9.109	9.109	0.0	95	291936	4.96	
96 Bromobenzene	156	9.145	9.144	0.001	89	312609	4.96	
97 1,2,3-Trichloropropane	110	9.157	9.156	0.001	75	95077	4.97	
98 trans-1,4-Dichloro-2-butene	53	9.168	9.168	0.0	67	72004	4.95	
99 N-Propylbenzene	120	9.239	9.239	0.0	98	304646	5.00	
100 2-Chlorotoluene	126	9.334	9.334	0.0	97	291871	5.06	
101 1,3,5-Trimethylbenzene	105	9.417	9.417	0.0	94	897255	5.11	
102 4-Chlorotoluene	126	9.441	9.440	0.001	96	304121	4.95	
103 tert-Butylbenzene	119	9.736	9.736	0.0	89	828302	5.27	
104 1,2,4-Trimethylbenzene	105	9.784	9.783	0.001	84	916215	5.08	
105 sec-Butylbenzene	105	9.949	9.949	0.0	93	1006256	5.13	
106 1,3-Dichlorobenzene	146	10.068	10.067	0.001	96	591644	5.09	
107 4-Isopropyltoluene	119	10.091	10.091	0.0	94	853074	5.10	
108 1,4-Dichlorobenzene	146	10.151	10.150	0.001	93	623927	4.94	
110 n-Butylbenzene	91	10.494	10.493	0.001	97	668858	5.01	
111 1,2-Dichlorobenzene	146	10.517	10.517	0.0	99	574232	5.14	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
112 1,2-Dibromo-3-Chloropropane	157	11.287	11.286	0.001	74	46693	5.31	
113 1,3,5-Trichlorobenzene	180	11.511	11.511	0.0	98	324767	5.32	
114 1,2,4-Trichlorobenzene	180	12.127	12.126	0.001	89	277130	5.27	
115 Hexachlorobutadiene	225	12.304	12.304	0.0	93	128818	4.92	
116 Naphthalene	128	12.375	12.375	0.0	100	709007	5.55	
117 1,2,3-Trichlorobenzene	180	12.624	12.623	0.001	98	271329	5.27	
S 119 Trihalomethanes, Total	1				0		19.6	
S 120 1,2-Dichloroethene, Total	96				0		9.85	
S 121 1,3-Dichloropropene, Total	75				0		9.64	
S 122 Xylenes, Total	106				0		15.0	

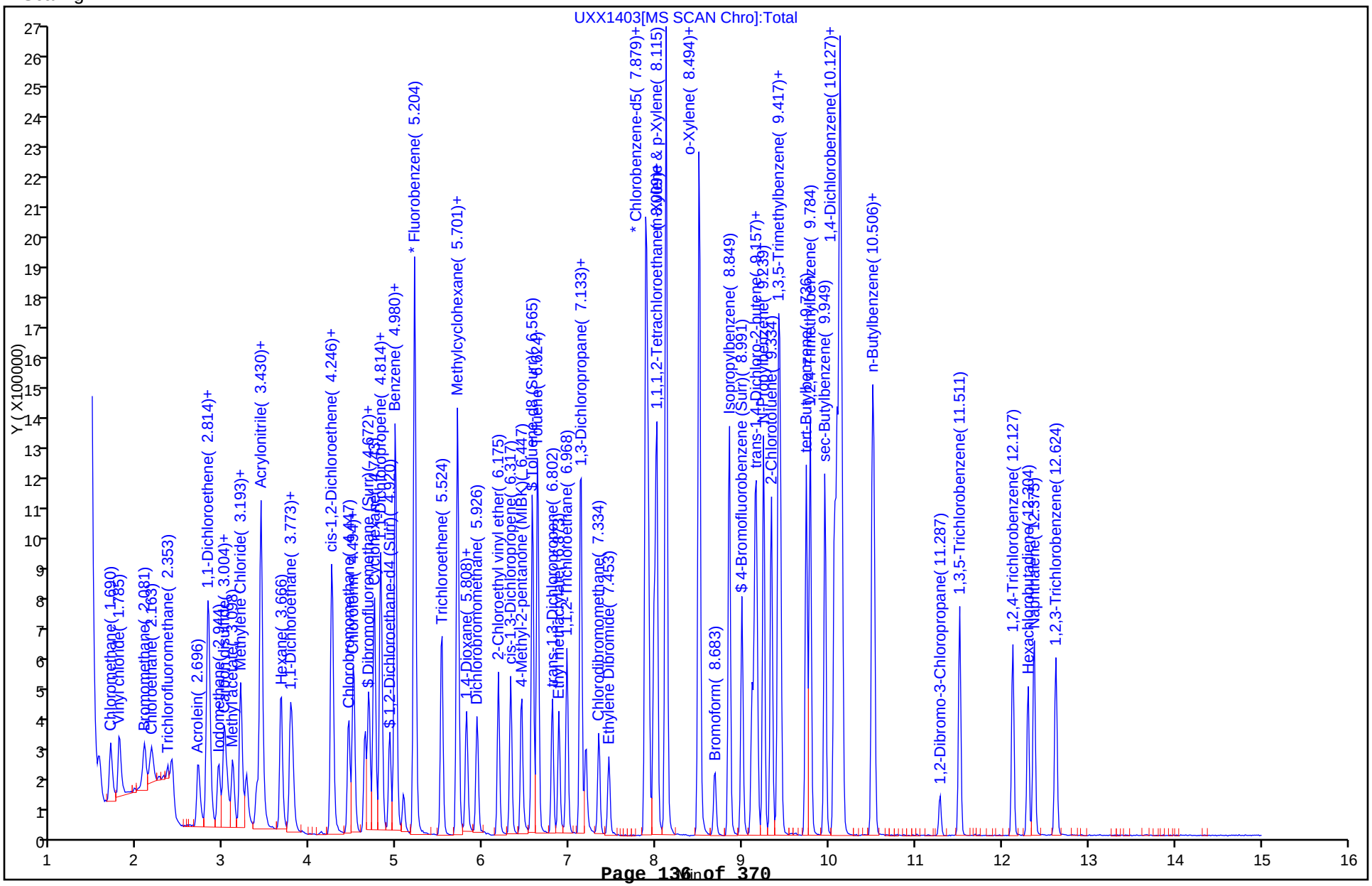
Report Date: 17-Dec-2012 09:35:35 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1403.D

Injection Date:	14-Dec-2012 16:36:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	68811	Lims Sample ID:	5
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1404.D
Lims ID: STD8260 L2 Client ID:
Inject. Date: 14-Dec-2012 16:57:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0015869-006
Misc. Info.: P21214A-IC,8260LLUX10,,1904 =P21214A-IC,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 5
Lims Batch ID: 68811 Lims Sample ID: 6
Sublist: chrom-8260_10*sub25
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121214-15869.b\8260_10.m
Last Update: 17-Dec-2012 09:35:36 Calib Date: 14-Dec-2012 19:27:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK031

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.204	5.204	0.0	99	1962036	10.0	
* 2 Chlorobenzene-d5	117	7.878	7.878	0.0	85	1328069	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.126	10.127	-0.001	92	806217	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.636	4.636	0.0	53	86392	1.88	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.920	4.920	0.0	0	106682	1.99	
$ 7 Toluene-d8 (Surr)	98	6.565	6.565	0.0	92	318950	1.85	
$ 8 4-Bromofluorobenzene (Surr)	95	8.990	8.991	-0.001	91	113500	1.88	
12 Dichlorodifluoromethane	85	1.559	1.560	-0.001	80	71948	1.98	
13 Chloromethane	50	1.689	1.690	-0.001	99	131438	2.03	
14 Vinyl chloride	62	1.796	1.796	0.0	78	127350	1.98	
16 Bromomethane	94	2.080	2.080	0.0	87	61559	2.04	
17 Chloroethane	64	2.163	2.163	0.0	92	76233	2.03	
19 Trichlorofluoromethane	101	2.388	2.388	0.0	94	109640	2.10	
21 Acrolein	56	2.707	2.707	0.0	91	118104	20.1	
23 1,1-Dichloroethene	96	2.814	2.814	0.0	95	104920	2.11	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.825	2.826	-0.001	80	81824	2.11	
24 Acetone	43	2.825	2.826	-0.001	60	55185	3.95	
26 Iodomethane	142	2.944	2.944	0.0	96	158689	2.01	
27 Carbon disulfide	76	3.003	3.003	0.0	98	289306	1.91	
28 Acetonitrile	41	3.050	3.051	-0.001	94	72167	20.5	
30 Methyl acetate	43	3.109	3.098	0.011	96	145700	3.97	
31 Methylene Chloride	84	3.192	3.193	-0.001	89	153419	1.95	
32 2-Methyl-2-propanol	59	3.263	3.264	-0.001	96	96112	42.6	
33 Acrylonitrile	53	3.382	3.382	0.0	98	68221	3.94	
35 Methyl tert-butyl ether	73	3.429	3.429	0.0	89	253570	1.92	
34 trans-1,2-Dichloroethene	96	3.429	3.429	0.0	72	107586	2.00	
36 Hexane	86	3.666	3.666	0.0	90	23363	2.18	
37 1,1-Dichloroethane	63	3.772	3.772	0.0	95	180038	2.02	
38 Vinyl acetate	86	3.808	3.796	0.012	95	12565	1.65	
42 2-Butanone (MEK)	43	4.245	4.246	-0.001	55	67000	3.73	
43 cis-1,2-Dichloroethene	96	4.245	4.246	-0.001	76	111152	1.95	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
44 2,2-Dichloropropane	77	4.257	4.257	0.0	83	88390	1.91	
48 Chlorobromomethane	128	4.447	4.447	-0.001	86	59224	2.11	
49 Tetrahydrofuran	42	4.494	4.494	0.0	30	26729	2.13	
50 Chloroform	83	4.506	4.494	0.012	82	181502	2.02	
51 1,1,1-Trichloroethane	97	4.671	4.672	-0.001	91	127454	1.95	
52 Cyclohexane	56	4.742	4.743	-0.001	88	158733	1.94	
53 1,1-Dichloropropene	75	4.813	4.814	-0.001	92	130002	1.97	
54 Carbon tetrachloride	117	4.825	4.825	0.0	80	108482	1.91	
56 1,2-Dichloroethane	62	4.979	4.979	0.0	46	125575	2.00	
57 Benzene	78	4.991	4.979	0.012	94	419287	1.96	
61 Trichloroethene	130	5.523	5.524	-0.001	93	105370	1.93	
64 1,2-Dichloropropane	63	5.701	5.701	0.0	75	88848	1.88	
63 Methylcyclohexane	83	5.701	5.701	0.0	86	139383	1.94	
66 Dibromomethane	93	5.807	5.808	-0.001	86	52642	1.88	
67 1,4-Dioxane	88	5.807	5.808	-0.001	40	23007	80.3	
68 Dichlorobromomethane	83	5.926	5.926	0.0	97	105852	1.81	
70 2-Chloroethyl vinyl ether	63	6.174	6.174	0.0	91	83867	3.42	
71 cis-1,3-Dichloropropene	75	6.316	6.316	0.0	86	115070	1.72	
72 4-Methyl-2-pentanone (MIBK)	43	6.446	6.447	-0.001	94	137346	3.78	
73 Toluene	91	6.624	6.624	0.0	94	391475	1.84	
74 trans-1,3-Dichloropropene	75	6.801	6.802	-0.001	91	96889	1.72	
75 Ethyl methacrylate	69	6.872	6.873	-0.001	88	80366	1.86	
76 1,1,2-Trichloroethane	97	6.967	6.967	0.0	84	80829	1.96	
77 1,3-Dichloropropane	76	7.121	7.121	0.0	88	139604	1.95	
78 Tetrachloroethene	164	7.133	7.133	0.0	92	85777	1.97	
79 2-Hexanone	43	7.192	7.192	0.0	91	85516	3.65	
81 Chlorodibromomethane	129	7.334	7.334	0.0	84	71354	1.69	
83 Ethylene Dibromide	107	7.452	7.452	0.0	94	77017	1.90	
85 Chlorobenzene	112	7.914	7.914	0.0	97	267494	1.92	
86 1,1,1,2-Tetrachloroethane	131	7.973	7.973	0.0	83	88467	1.85	
87 Ethylbenzene	106	8.008	8.008	0.0	96	130191	1.82	
88 m-Xylene & p-Xylene	106	8.115	8.115	0.0	99	333111	3.69	
89 o-Xylene	106	8.493	8.494	-0.001	93	151628	1.75	
90 Styrene	104	8.505	8.505	0.0	92	251304	1.76	
91 Bromoform	173	8.683	8.683	0.0	96	50523	1.85	
92 Isopropylbenzene	105	8.848	8.849	-0.001	94	383482	1.82	
95 1,1,2,2-Tetrachloroethane	83	9.109	9.109	0.0	85	116917	2.03	
96 Bromobenzene	156	9.144	9.144	0.0	90	120378	1.96	
97 1,2,3-Trichloropropane	110	9.168	9.156	0.012	81	39531	2.12	
98 trans-1,4-Dichloro-2-butene	53	9.168	9.168	0.0	71	26124	1.84	
99 N-Propylbenzene	120	9.251	9.239	0.012	98	106115	1.78	
100 2-Chlorotoluene	126	9.333	9.334	-0.001	97	106035	1.88	
101 1,3,5-Trimethylbenzene	105	9.416	9.417	-0.001	94	313803	1.83	
102 4-Chlorotoluene	126	9.440	9.440	0.0	96	114832	1.91	
103 tert-Butylbenzene	119	9.736	9.736	0.0	85	292170	1.90	
104 1,2,4-Trimethylbenzene	105	9.783	9.783	0.0	75	324423	1.84	
105 sec-Butylbenzene	105	9.949	9.949	0.0	91	361742	1.89	
106 1,3-Dichlorobenzene	146	10.067	10.067	0.0	96	222909	1.96	
107 4-Isopropyltoluene	119	10.091	10.091	0.0	95	305478	1.87	
108 1,4-Dichlorobenzene	146	10.150	10.150	0.0	91	245211	1.99	
110 n-Butylbenzene	91	10.493	10.493	0.0	96	241423	1.85	
111 1,2-Dichlorobenzene	146	10.517	10.517	0.0	96	213261	1.96	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
112 1,2-Dibromo-3-Chloropropane	157	11.286	11.286	0.0	47	16687	1.94	
113 1,3,5-Trichlorobenzene	180	11.511	11.511	0.0	95	124291	2.09	
114 1,2,4-Trichlorobenzene	180	12.126	12.126	0.0	90	109926	2.14	
115 Hexachlorobutadiene	225	12.303	12.304	-0.001	86	58229	2.28	
116 Naphthalene	128	12.374	12.375	-0.001	100	243498	1.95	
117 1,2,3-Trichlorobenzene	180	12.623	12.623	0.0	98	102615	2.04	
S 119 Trihalomethanes, Total	1				0		7.37	
S 120 1,2-Dichloroethene, Total	96				0		3.94	
S 121 1,3-Dichloropropene, Total	75				0		3.44	
S 122 Xylenes, Total	106				0		5.44	

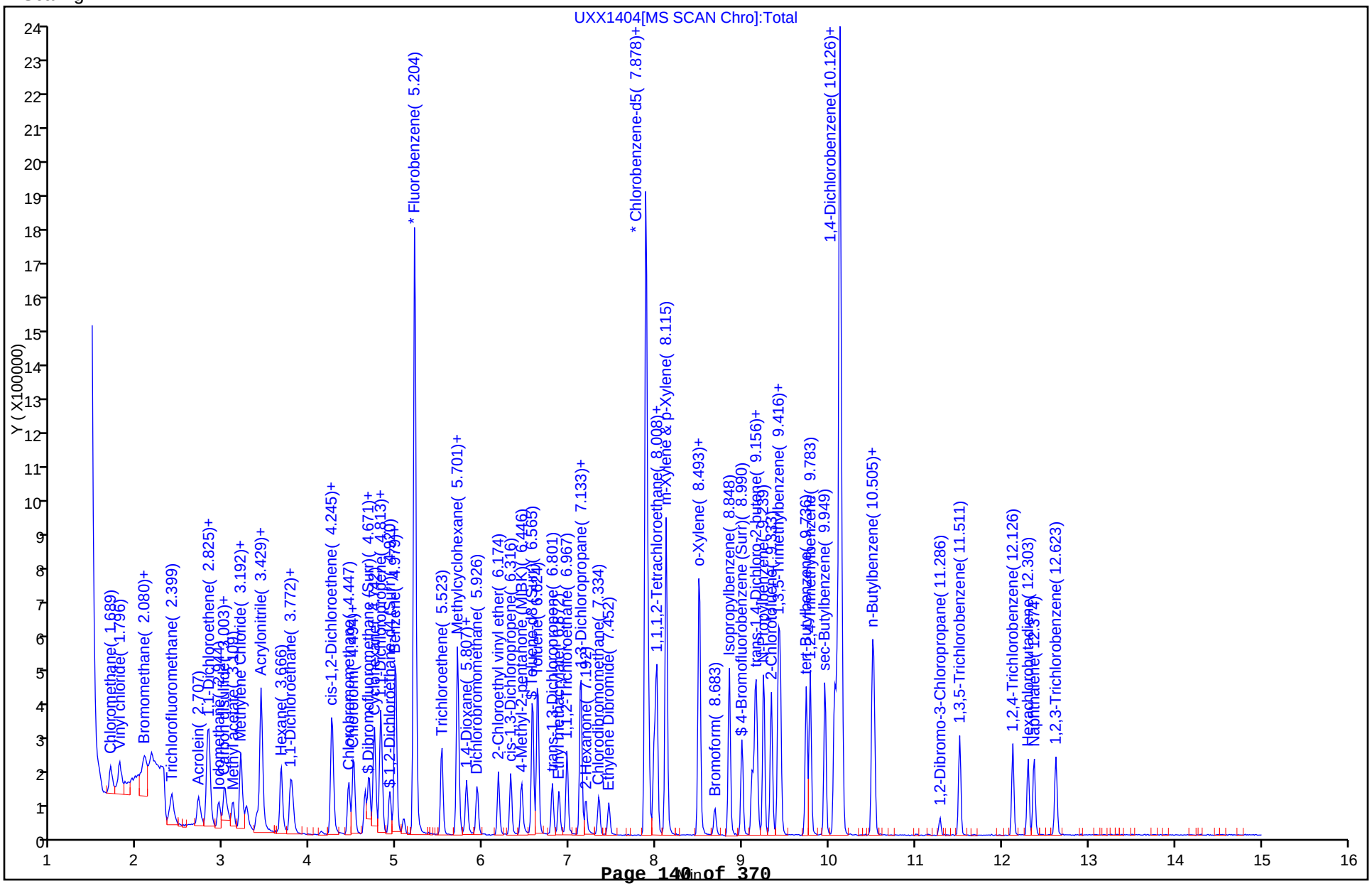
Report Date: 17-Dec-2012 09:35:36 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1404.D

Injection Date:	14-Dec-2012 16:57:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	68811	Lims Sample ID:	6
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1405.D
Lims ID: STD8260 L1 Client ID:
Inject. Date: 14-Dec-2012 17:19:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0015869-007
Misc. Info.: P21214A-IC,8260LLUX10,,1904 =P21214A-IC,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 6
Lims Batch ID: 68811 Lims Sample ID: 7
Sublist: chrom-8260_10*sub25
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121214-15869.b\8260_10.m
Last Update: 17-Dec-2012 09:35:36 Calib Date: 14-Dec-2012 19:27:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK031

First Level Reviewer: quayler Date: 17-Dec-2012 07:46:07

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.204	5.204	0.0	99	1835708	10.0	
* 2 Chlorobenzene-d5	117	7.879	7.878	0.001	83	1246995	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.127	10.127	0.0	92	775321	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.637	4.636	0.0	53	42158	0.9815	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.920	4.920	0.0	0	49683	0.99	
$ 7 Toluene-d8 (Surr)	98	6.565	6.565	0.0	86	153502	0.9506	
$ 8 4-Bromofluorobenzene (Surr)	95	8.991	8.991	0.0	87	55001	0.9682	
12 Dichlorodifluoromethane	85	1.560	1.560	0.0	66	30879	0.9099	
13 Chloromethane	50	1.690	1.690	0.0	85	67830	1.12	
14 Vinyl chloride	62	1.797	1.796	0.001	83	65107	1.08	
16 Bromomethane	94	2.081	2.080	0.001	79	34128	1.21	
17 Chloroethane	64	2.175	2.163	0.012	81	39044	1.11	
19 Trichlorofluoromethane	101	2.400	2.388	0.012	84	53264	1.09	
21 Acrolein	56	2.708	2.707	0.001	88	55829	10.1	
23 1,1-Dichloroethene	96	2.814	2.814	0.0	93	49912	1.07	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.826	2.826	0.0	75	40608	1.12	
24 Acetone	43	2.826	2.826	0.0	68	31865	2.09	
26 Iodomethane	142	2.944	2.944	0.0	93	79033	1.07	
27 Carbon disulfide	76	3.004	3.003	0.001	98	147001	1.04	
28 Acetonitrile	41	3.051	3.051	0.0	90	33234	10.1	
30 Methyl acetate	43	3.098	3.098	0.0	85	74236	2.16	
31 Methylene Chloride	84	3.193	3.193	0.0	87	98498	1.05	
32 2-Methyl-2-propanol	59	3.264	3.264	0.0	91	42011	19.9	
33 Acrylonitrile	53	3.382	3.382	0.0	99	32738	2.02	
35 Methyl tert-butyl ether	73	3.430	3.429	0.001	90	117426	0.9486	
34 trans-1,2-Dichloroethene	96	3.430	3.429	0.001	73	53022	1.05	
36 Hexane	86	3.666	3.666	0.0	87	10101	1.01	
37 1,1-Dichloroethane	63	3.773	3.772	0.001	80	86603	1.04	
38 Vinyl acetate	86	3.820	3.796	0.024	95	6515	0.9153	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
42 2-Butanone (MEK)	43	4.246	4.246	0.0	53	35644	2.12	
43 cis-1,2-Dichloroethene	96	4.246	4.246	0.0	76	56243	1.05	
44 2,2-Dichloropropane	77	4.258	4.257	0.001	70	41719	0.9625	
48 Chlorobromomethane	128	4.447	4.447	0.0	66	27240	1.04	
49 Tetrahydrofuran	42	4.495	4.494	0.0	33	12370	1.06	
50 Chloroform	83	4.506	4.494	0.012	78	88171	1.05	
51 1,1,1-Trichloroethane	97	4.684	4.672	0.012	89	61698	1.01	
52 Cyclohexane	56	4.743	4.743	0.0	87	77885	1.02	
53 1,1-Dichloropropene	75	4.814	4.814	0.0	92	60486	0.9776	
54 Carbon tetrachloride	117	4.826	4.825	0.001	83	55305	1.04	
56 1,2-Dichloroethane	62	4.980	4.979	0.001	52	59264	1.01	
57 Benzene	78	4.991	4.979	0.012	93	212719	1.06	
61 Trichloroethene	130	5.524	5.524	0.0	93	53655	1.05	
64 1,2-Dichloropropane	63	5.701	5.701	0.0	81	43830	0.99	
63 Methylcyclohexane	83	5.701	5.701	0.0	88	66442	0.9880	
66 Dibromomethane	93	5.808	5.808	0.0	85	28558	1.09	
67 1,4-Dioxane	88	5.820	5.808	0.012	22	11215	41.8	
68 Dichlorobromomethane	83	5.926	5.926	0.0	94	53902	0.9877	
70 2-Chloroethyl vinyl ether	63	6.175	6.174	0.001	79	40924	1.78	
71 cis-1,3-Dichloropropene	75	6.317	6.316	0.001	77	56936	0.9097	
72 4-Methyl-2-pentanone (MIBK)	43	6.447	6.447	0.0	85	61798	1.82	
73 Toluene	91	6.636	6.624	0.012	95	201223	1.01	
74 trans-1,3-Dichloropropene	75	6.802	6.802	0.0	80	47071	0.8905	
75 Ethyl methacrylate	69	6.873	6.873	0.0	83	38268	1.19	
76 1,1,2-Trichloroethane	97	6.968	6.967	0.001	80	40879	1.06	
77 1,3-Dichloropropane	76	7.121	7.121	0.0	86	68872	1.03	
78 Tetrachloroethene	164	7.133	7.133	0.0	87	41752	1.02	
79 2-Hexanone	43	7.192	7.192	0.0	87	38833	1.76	
81 Chlorodibromomethane	129	7.334	7.334	0.0	77	35521	0.8981	
83 Ethylene Dibromide	107	7.453	7.452	0.001	84	37474	0.9849	
85 Chlorobenzene	112	7.914	7.914	0.0	93	140412	1.07	
86 1,1,1,2-Tetrachloroethane	131	7.973	7.973	0.0	78	44156	0.9850	
87 Ethylbenzene	106	8.009	8.008	0.001	96	63206	0.9435	
88 m-Xylene & p-Xylene	106	8.115	8.115	0.0	99	153782	1.81	
89 o-Xylene	106	8.494	8.494	0.0	86	78906	0.9679	
90 Styrene	104	8.506	8.505	0.001	92	116186	0.8673	
91 Bromoform	173	8.683	8.683	0.0	90	21983	0.8551	
92 Isopropylbenzene	105	8.849	8.849	0.0	93	180463	0.9106	
95 1,1,2,2-Tetrachloroethane	83	9.109	9.109	0.0	85	57603	1.04	
96 Bromobenzene	156	9.145	9.144	0.001	88	57702	0.9759	
97 1,2,3-Trichloropropane	110	9.157	9.156	0.001	67	17288	0.9620	
98 trans-1,4-Dichloro-2-butene	53	9.168	9.168	0.0	60	12169	0.8905	
99 N-Propylbenzene	120	9.239	9.239	0.0	95	50472	0.8824	
100 2-Chlorotoluene	126	9.334	9.334	0.0	95	52302	0.9656	
101 1,3,5-Trimethylbenzene	105	9.417	9.417	0.0	90	138525	0.8404	
102 4-Chlorotoluene	126	9.441	9.440	0.001	96	53322	0.9245	
103 tert-Butylbenzene	119	9.736	9.736	0.0	87	132732	0.8996	
104 1,2,4-Trimethylbenzene	105	9.784	9.783	0.001	71	145206	0.8575	
105 sec-Butylbenzene	105	9.949	9.949	0.0	87	165282	0.8971	
106 1,3-Dichlorobenzene	146	10.068	10.067	0.001	95	107876	0.9877	
107 4-Isopropyltoluene	119	10.091	10.091	0.0	93	136793	0.8713	
108 1,4-Dichlorobenzene	146	10.151	10.150	0.001	78	126220	1.07	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
110 n-Butylbenzene	91	10.494	10.493	0.001	93	117119	0.9341	
111 1,2-Dichlorobenzene	146	10.517	10.517	0.0	96	108086	1.03	
112 1,2-Dibromo-3-Chloropropane	157	11.287	11.286	0.001	33	8751	1.06	
113 1,3,5-Trichlorobenzene	180	11.511	11.511	0.0	91	60296	1.05	
114 1,2,4-Trichlorobenzene	180	12.127	12.126	0.001	85	51604	1.04	
115 Hexachlorobutadiene	225	12.304	12.304	0.0	80	28628	1.17	
116 Naphthalene	128	12.375	12.375	0.0	100	109730	0.9152	
117 1,2,3-Trichlorobenzene	180	12.624	12.623	0.001	92	50318	1.04	
S 119 Trihalomethanes, Total	1				0		3.79	
S 120 1,2-Dichloroethene, Total	96				0		2.10	
S 121 1,3-Dichloropropene, Total	75				0		1.80	
S 122 Xylenes, Total	106				0		2.78	

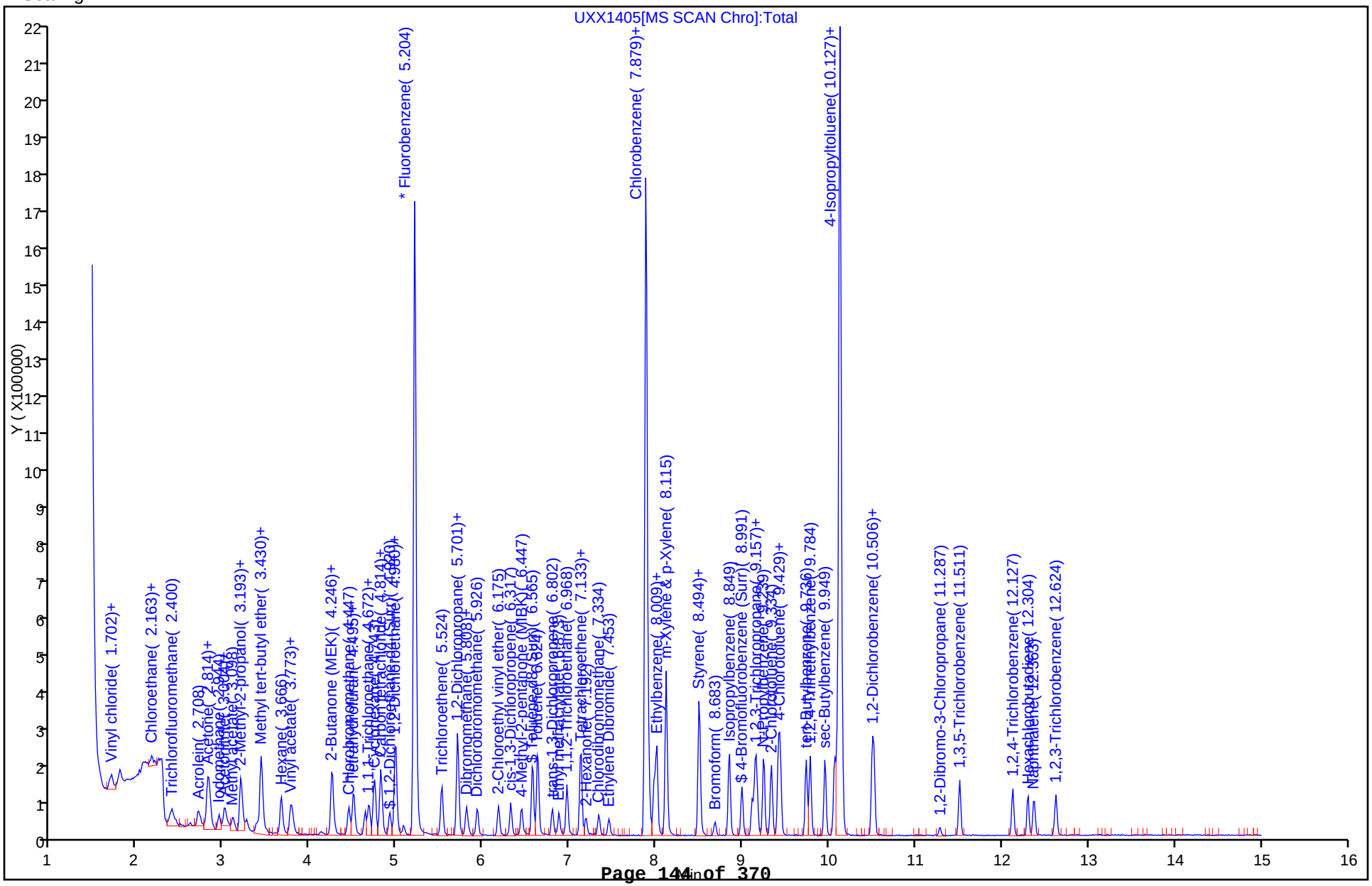
Report Date: 17-Dec-2012 09:35:37 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1405.D

Injection Date:	14-Dec-2012 17:19:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	68811	Lims Sample ID:	7
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Lab Sample ID: ICV 240-68811/14 Calibration Date: 12/14/2012 19:48

Instrument ID: A3UX10 Calib Start Date: 12/14/2012 15:32

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 12/14/2012 17:19

Lab File ID: UXX1412.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.1849	0.1781	0.1000	0.00964	0.0100	-3.6	20.0
Chloromethane	Ave	0.3300	0.3451	0.1000	0.0105	0.0100	4.6	20.0
Vinyl chloride	Ave	0.3283	0.3333	0.1000	0.0102	0.0100	1.5	20.0
Bromomethane	Ave	0.1541	0.1302	0.0500	0.00845	0.0100	-15.5	20.0
Chloroethane	Ave	0.1913	0.1906	0.0500	0.00996	0.0100	-0.4	20.0
Trichlorofluoromethane	Ave	0.2655	0.2654	0.1000	0.00999	0.0100	-0.0	20.0
Acrolein	Ave	0.0300	0.0307		0.0307	0.0300	2.4	20.0
1,1-Dichloroethene	Ave	0.2534	0.2608	0.1000	0.0103	0.0100	2.9	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1979	0.2135	0.0500	0.0108	0.0100	7.9	20.0
Acetone	Lin1		0.0652	0.0500	0.0217	0.0200	8.3	20.0
Iodomethane	Ave	0.4023	0.4289		0.0107	0.0100	6.6	20.0
Carbon disulfide	Ave	0.7720	0.7804	0.1000	0.0101	0.0100	1.1	20.0
Acetonitrile	Ave	0.0179	0.0196		0.0329	0.0300	9.7	20.0
Methyl acetate	Ave	0.1872	0.1944	0.1000	0.0104	0.0100	3.9	20.0
Methylene Chloride	Lin1		0.3061	0.1000	0.0103	0.0100	3.0	20.0
2-Methyl-2-propanol	Ave	0.0115	0.0118		0.206	0.200	2.9	20.0
Acrylonitrile	Ave	0.0883	0.0886		0.0301	0.0300	0.4	20.0
Methyl tert-butyl ether	Ave	0.6743	0.6914	0.1000	0.0103	0.0100	2.5	20.0
trans-1,2-Dichloroethene	Ave	0.2746	0.2794	0.1000	0.0102	0.0100	1.7	20.0
1,1-Dichloroethane	Ave	0.4540	0.4781	0.1000	0.0105	0.0100	5.3	20.0
Vinyl acetate	Ave	0.0388	0.0476		0.0123	0.0100	22.8*	20.0
2-Butanone (MEK)	Ave	0.0917	0.0892	0.0500	0.0195	0.0200	-2.7	20.0
cis-1,2-Dichloroethene	Ave	0.2910	0.2955	0.1000	0.0102	0.0100	1.5	20.0
2,2-Dichloropropane	Ave	0.2361	0.2368		0.0100	0.0100	0.3	20.0
Bromochloromethane	Ave	0.1431	0.1424		0.00995	0.0100	-0.5	20.0
Chloroform	Ave	0.4586	0.4514	0.2000	0.00984	0.0100	-1.6	20.0
1,1,1-Trichloroethane	Ave	0.3330	0.3403	0.1000	0.0102	0.0100	2.2	20.0
Cyclohexane	Ave	0.4179	0.4047	0.1000	0.00969	0.0100	-3.1	20.0
1,1-Dichloropropene	Ave	0.3371	0.3370		0.0100	0.0100	-0.0	20.0
Carbon tetrachloride	Ave	0.2901	0.2931	0.1000	0.0101	0.0100	1.0	20.0
1,2-Dichloroethane	Ave	0.3198	0.3310	0.1000	0.0103	0.0100	3.5	20.0
Benzene	Ave	1.090	1.124	0.5000	0.0103	0.0100	3.1	20.0
Trichloroethene	Ave	0.2783	0.2825	0.2000	0.0102	0.0100	1.5	20.0
1,2-Dichloropropane	Ave	0.2403	0.2490	0.1000	0.0104	0.0100	3.6	20.0
Methylcyclohexane	Ave	0.3663	0.3589	0.1000	0.00980	0.0100	-2.0	20.0
Dibromomethane	Ave	0.1430	0.1496		0.0105	0.0100	4.6	20.0
Bromodichloromethane	Ave	0.2973	0.3096	0.1000	0.0104	0.0100	4.2	20.0
cis-1,3-Dichloropropene	Ave	0.3410	0.3302	0.1500	0.00968	0.0100	-3.2	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1850	0.1902	0.0500	0.0206	0.0200	2.8	20.0
Toluene	Ave	1.599	1.576	0.4000	0.00985	0.0100	-1.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Lab Sample ID: ICV 240-68811/14 Calibration Date: 12/14/2012 19:48

Instrument ID: A3UX10 Calib Start Date: 12/14/2012 15:32

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 12/14/2012 17:19

Lab File ID: UXX1412.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
trans-1,3-Dichloropropene	Ave	0.4239	0.4155	0.1000	0.00980	0.0100	-2.0	20.0
1,1,2-Trichloroethane	Ave	0.3101	0.3152	0.1000	0.0102	0.0100	1.6	20.0
1,3-Dichloropropane	Ave	0.5387	0.5259		0.00976	0.0100	-2.4	20.0
Tetrachloroethene	Ave	0.3273	0.3206	0.2000	0.00980	0.0100	-2.0	20.0
2-Hexanone	Ave	0.1765	0.1811	0.0500	0.0205	0.0200	2.6	20.0
Dibromochloromethane	Ave	0.3172	0.3095		0.00976	0.0100	-2.4	20.0
1,2-Dibromoethane	Ave	0.3051	0.3064		0.0100	0.0100	0.4	20.0
Chlorobenzene	Ave	1.052	1.025	0.3000	0.00974	0.0100	-2.6	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3595	0.3640		0.0101	0.0100	1.3	20.0
Ethylbenzene	Ave	0.5372	0.5358		0.00997	0.0100	-0.3	20.0
m-Xylene & p-Xylene	Ave	0.6797	0.6902		0.0203	0.0200	1.5	20.0
o-Xylene	Ave	0.6537	0.7057		0.0108	0.0100	8.0	20.0
Styrene	Ave	1.074	1.134	0.3000	0.0106	0.0100	5.5	20.0
Bromoform	Ave	0.2062	0.2059	0.1000	0.00999	0.0100	-0.1	20.0
Isopropylbenzene	Ave	1.589	1.653	0.1000	0.0104	0.0100	4.0	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7129	0.6718	0.3000	0.00942	0.0100	-5.8	20.0
Bromobenzene	Ave	0.7626	0.7311		0.00959	0.0100	-4.1	20.0
1,2,3-Trichloropropane	Ave	0.2318	0.2251		0.00971	0.0100	-2.9	20.0
N-Propylbenzene	Ave	0.7378	0.7503		0.0102	0.0100	1.7	20.0
2-Chlorotoluene	Ave	0.6986	0.6792		0.00972	0.0100	-2.8	20.0
1,3,5-Trimethylbenzene	Ave	2.126	2.194		0.0103	0.0100	3.2	20.0
4-Chlorotoluene	Ave	0.7439	0.7280		0.00979	0.0100	-2.1	20.0
tert-Butylbenzene	Ave	1.903	1.992		0.0105	0.0100	4.7	20.0
1,2,4-Trimethylbenzene	Ave	2.184	2.270		0.0104	0.0100	3.9	20.0
sec-Butylbenzene	Ave	2.376	2.360		0.00993	0.0100	-0.7	20.0
1,3-Dichlorobenzene	Ave	1.409	1.382	0.6000	0.00981	0.0100	-1.9	20.0
4-Isopropyltoluene	Ave	2.025	2.108		0.0104	0.0100	4.1	20.0
1,4-Dichlorobenzene	Ave	1.528	1.456	0.5000	0.00953	0.0100	-4.7	20.0
n-Butylbenzene	Ave	1.617	1.591		0.00984	0.0100	-1.6	20.0
1,2-Dichlorobenzene	Ave	1.352	1.342	0.4000	0.00993	0.0100	-0.7	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1064	0.0956	0.0500	0.00898	0.0100	-10.2	20.0
1,2,4-Trichlorobenzene	Ave	0.6371	0.5644	0.2000	0.00886	0.0100	-11.4	20.0
Hexachlorobutadiene	Ave	0.3169	0.2145		0.00677	0.0100	-32.3*	20.0
Naphthalene	Ave	1.546	1.312		0.00848	0.0100	-15.2	20.0
1,2,3-Trichlorobenzene	Ave	0.6235	0.5198		0.00834	0.0100	-16.6	20.0
Dibromofluoromethane (Surr)	Ave	0.2340	0.2359		0.0101	0.0100	0.8	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2732	0.2717		0.00994	0.0100	-0.6	20.0
Toluene-d8 (Surr)	Ave	1.295	1.244		0.00961	0.0100	-3.9	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4556	0.4636		0.0102	0.0100	1.8	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1412.D
Lims ID: ICV Client ID:
Inject. Date: 14-Dec-2012 19:48:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0015869-014
Misc. Info.: P21214A-IC,8260LLUX10,,1904 =P21214A-IC,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 13
Lims Batch ID: 68811 Lims Sample ID: 14
Sublist:
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121214-15869.b\8260_10.m
Last Update: 17-Dec-2012 09:35:40 Calib Date: 14-Dec-2012 19:27:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK031

First Level Reviewer: quayler Date: 17-Dec-2012 08:06:50

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.203	5.206	-0.003	99	1915294	10.0	
* 2 Chlorobenzene-d5	117	7.878	7.880	-0.002	82	1350521	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.126	10.129	-0.003	89	869619	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.635	4.636	-0.001	60	451763	10.1	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.919	4.920	-0.001	0	520320	9.94	
$ 7 Toluene-d8 (Surr)	98	6.564	6.565	-0.001	93	1680659	9.61	
$ 8 4-Bromofluorobenzene (Surr)	95	8.990	8.991	-0.001	93	626111	10.2	
12 Dichlorodifluoromethane	85	1.559	1.560	-0.001	98	341181	9.64	
13 Chloromethane	50	1.701	1.690	0.011	89	660914	10.5	
14 Vinyl chloride	62	1.795	1.796	-0.001	97	638431	10.2	
16 Bromomethane	94	2.091	2.080	0.011	89	249381	8.45	
17 Chloroethane	64	2.174	2.163	0.011	99	365103	9.96	
19 Trichlorofluoromethane	101	2.399	2.388	0.011	97	508316	10.0	
20 Ethyl ether	59	2.600	2.603	-0.003	89	444403	11.0	
21 Acrolein	56	2.707	2.707	0.0	91	176270	30.7	
23 1,1-Dichloroethene	96	2.813	2.814	-0.001	89	499594	10.3	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.825	2.826	-0.001	85	408984	10.8	
24 Acetone	43	2.825	2.826	-0.001	77	249719	21.7	
26 Iodomethane	142	2.943	2.944	-0.001	96	821429	10.7	
27 Carbon disulfide	76	3.014	3.003	0.011	98	1494759	10.1	
28 Acetonitrile	41	3.050	3.051	-0.001	93	112862	32.9	
30 Methyl acetate	43	3.109	3.098	0.011	96	372393	10.4	
31 Methylene Chloride	84	3.192	3.193	-0.001	86	586301	10.3	
32 2-Methyl-2-propanol	59	3.263	3.264	-0.001	94	453145	205.8	
33 Acrylonitrile	53	3.381	3.382	-0.001	99	509210	30.1	
35 Methyl tert-butyl ether	73	3.428	3.429	-0.001	90	1324273	10.3	
34 trans-1,2-Dichloroethene	96	3.428	3.429	-0.001	68	535072	10.2	
36 Hexane	86	3.665	3.666	-0.001	93	105404	10.1	
37 1,1-Dichloroethane	63	3.772	3.772	0.0	96	915711	10.5	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
38 Vinyl acetate	86	3.795	3.796	-0.001	97	91172	12.3	
39 Isopropyl ether	87	3.819	3.822	-0.003	95	483926	11.1	
42 2-Butanone (MEK)	43	4.245	4.246	-0.001	57	341673	19.5	
43 cis-1,2-Dichloroethene	96	4.245	4.246	-0.001	82	565872	10.2	
44 2,2-Dichloropropane	77	4.257	4.257	0.0	89	453477	10.0	
48 Chlorobromomethane	128	4.446	4.447	-0.001	92	272714	9.95	
49 Tetrahydrofuran	42	4.493	4.494	-0.001	88	122224	10.0	
50 Chloroform	83	4.505	4.494	0.011	81	864569	9.84	
51 1,1,1-Trichloroethane	97	4.683	4.672	0.011	87	651810	10.2	
52 Cyclohexane	56	4.742	4.743	-0.001	88	775149	9.69	
53 1,1-Dichloropropene	75	4.813	4.814	-0.001	94	645389	10.0	
54 Carbon tetrachloride	117	4.825	4.825	0.0	93	561303	10.1	
55 Isobutyl alcohol	41	4.848	4.851	-0.003	94	591375	528.7	
56 1,2-Dichloroethane	62	4.979	4.979	0.0	46	633870	10.3	
57 Benzene	78	4.990	4.979	0.011	95	2152834	10.3	
61 Trichloroethene	130	5.523	5.524	-0.001	92	541034	10.2	
64 1,2-Dichloropropane	63	5.700	5.701	-0.001	87	476819	10.4	
63 Methylcyclohexane	83	5.700	5.701	-0.001	86	687408	9.80	
66 Dibromomethane	93	5.807	5.808	-0.001	85	286527	10.5	
68 Dichlorobromomethane	83	5.925	5.926	-0.001	94	593053	10.4	
70 2-Chloroethyl vinyl ether	63	6.174	6.174	0.0	93	232673	9.72	
71 cis-1,3-Dichloropropene	75	6.316	6.316	0.0	91	632357	9.68	
72 4-Methyl-2-pentanone (MIBK)	43	6.446	6.447	-0.001	96	728603	20.6	
73 Toluene	91	6.623	6.624	-0.001	97	2128346	9.85	
74 trans-1,3-Dichloropropene	75	6.801	6.802	-0.001	89	561096	9.80	
76 1,1,2-Trichloroethane	97	6.966	6.967	-0.001	84	425622	10.2	
77 1,3-Dichloropropane	76	7.120	7.121	-0.001	91	710209	9.76	
78 Tetrachloroethene	164	7.132	7.133	-0.001	94	432984	9.80	
79 2-Hexanone	43	7.179	7.192	-0.013	96	489016	20.5	
81 Chlorodibromomethane	129	7.333	7.334	-0.001	90	417940	9.76	
83 Ethylene Dibromide	107	7.452	7.452	0.0	96	413800	10.0	
85 Chlorobenzene	112	7.913	7.914	-0.001	97	1384146	9.74	
86 1,1,1,2-Tetrachloroethane	131	7.972	7.973	-0.001	89	491600	10.1	
87 Ethylbenzene	106	8.008	8.008	0.0	97	723658	9.97	
88 m-Xylene & p-Xylene	106	8.114	8.115	-0.001	99	1864199	20.3	
89 o-Xylene	106	8.493	8.494	-0.001	91	953109	10.8	
90 Styrene	104	8.505	8.505	0.0	92	1530890	10.6	
91 Bromoform	173	8.682	8.683	-0.001	98	278064	9.99	
92 Isopropylbenzene	105	8.848	8.849	-0.001	94	2232723	10.4	
94 Cyclohexanone	55	8.931	8.934	-0.003	87	227738	47.5	
95 1,1,2,2-Tetrachloroethane	83	9.108	9.109	-0.001	93	584187	9.42	
96 Bromobenzene	156	9.144	9.144	0.0	90	635774	9.59	
97 1,2,3-Trichloropropane	110	9.155	9.156	-0.001	72	195777	9.71	
98 trans-1,4-Dichloro-2-butene	53	9.167	9.168	-0.001	78	293007	19.1	
99 N-Propylbenzene	120	9.250	9.239	0.011	97	652491	10.2	
100 2-Chlorotoluene	126	9.333	9.334	-0.001	97	590662	9.72	
101 1,3,5-Trimethylbenzene	105	9.416	9.417	-0.001	93	1908167	10.3	
102 4-Chlorotoluene	126	9.439	9.440	-0.001	98	633118	9.79	
103 tert-Butylbenzene	119	9.735	9.736	-0.001	89	1732084	10.5	
104 1,2,4-Trimethylbenzene	105	9.783	9.783	0.0	76	1973701	10.4	
105 sec-Butylbenzene	105	9.948	9.949	-0.001	92	2051953	9.93	
106 1,3-Dichlorobenzene	146	10.067	10.067	0.0	96	1201441	9.81	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
107 4-Isopropyltoluene	119	10.090	10.091	-0.001	92	1833220	10.4	
108 1,4-Dichlorobenzene	146	10.149	10.150	-0.001	95	1266549	9.53	
109 1,2,3-Trimethylbenzene	105	10.197	10.200	-0.003	95	2038446	11.1	
110 n-Butylbenzene	91	10.504	10.493	0.011	93	1383856	9.84	
111 1,2-Dichlorobenzene	146	10.516	10.517	-0.001	98	1166801	9.93	
112 1,2-Dibromo-3-Chloropropane	157	11.285	11.286	-0.001	80	83097	8.98	
114 1,2,4-Trichlorobenzene	180	12.126	12.126	0.0	93	490825	8.86	
115 Hexachlorobutadiene	225	12.303	12.304	-0.001	92	186526	6.77	
116 Naphthalene	128	12.374	12.375	-0.001	100	1140702	8.48	
117 1,2,3-Trichlorobenzene	180	12.623	12.623	-0.001	99	452064	8.34	
S 119 Trihalomethanes, Total	1				0		40.0	
S 120 1,2-Dichloroethene, Total	96				0		20.3	
S 122 Xylenes, Total	106				0		31.1	

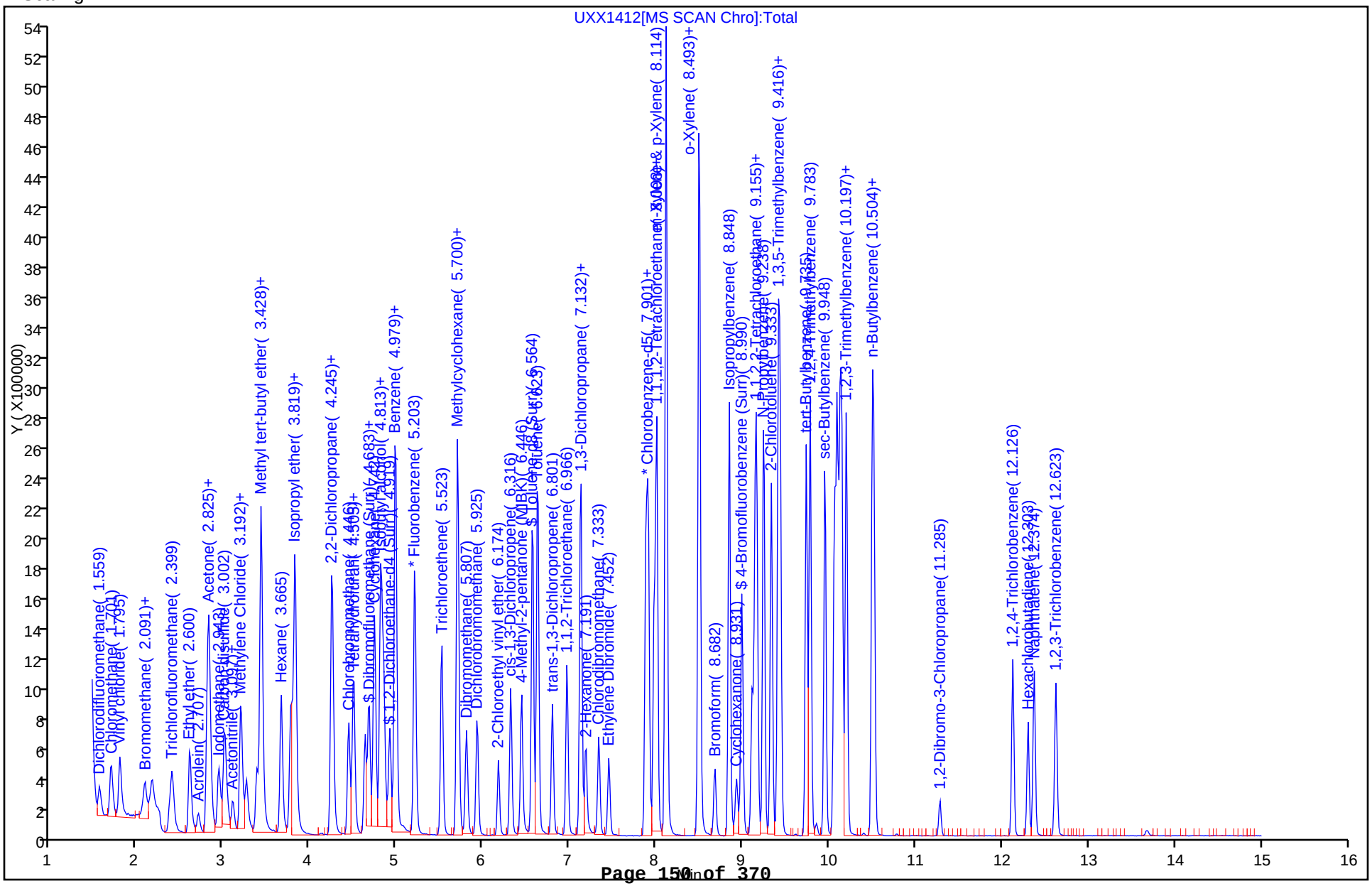
Report Date: 17-Dec-2012 09:35:41 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1412.D

Injection Date:	14-Dec-2012 19:48:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	68811	Lims Sample ID:	14
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Lab Sample ID: ICV 240-68811/14 Calibration Date: 12/14/2012 19:48

Instrument ID: A3UX10 Calib Start Date: 12/14/2012 17:40

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 12/14/2012 19:27

Lab File ID: UXX1412.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Isobutyl alcohol	Ave	0.0083	0.0088		0.529	0.500	5.7	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1412.D
Lims ID: ICV Client ID:
Inject. Date: 14-Dec-2012 19:48:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0015869-014
Misc. Info.: P21214A-IC,8260LLUX10,,1904 =P21214A-IC,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 13
Lims Batch ID: 68811 Lims Sample ID: 14
Sublist:
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121214-15869.b\8260_10.m
Last Update: 17-Dec-2012 09:35:40 Calib Date: 14-Dec-2012 19:27:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK031

First Level Reviewer: quayler Date: 17-Dec-2012 08:06:50

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.203	5.206	-0.003	99	1915294	10.0	
* 2 Chlorobenzene-d5	117	7.878	7.880	-0.002	82	1350521	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.126	10.129	-0.003	89	869619	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.635	4.636	-0.001	60	451763	10.1	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.919	4.920	-0.001	0	520320	9.94	
$ 7 Toluene-d8 (Surr)	98	6.564	6.565	-0.001	93	1680659	9.61	
$ 8 4-Bromofluorobenzene (Surr)	95	8.990	8.991	-0.001	93	626111	10.2	
12 Dichlorodifluoromethane	85	1.559	1.560	-0.001	98	341181	9.64	
13 Chloromethane	50	1.701	1.690	0.011	89	660914	10.5	
14 Vinyl chloride	62	1.795	1.796	-0.001	97	638431	10.2	
16 Bromomethane	94	2.091	2.080	0.011	89	249381	8.45	
17 Chloroethane	64	2.174	2.163	0.011	99	365103	9.96	
19 Trichlorofluoromethane	101	2.399	2.388	0.011	97	508316	10.0	
20 Ethyl ether	59	2.600	2.603	-0.003	89	444403	11.0	
21 Acrolein	56	2.707	2.707	0.0	91	176270	30.7	
23 1,1-Dichloroethene	96	2.813	2.814	-0.001	89	499594	10.3	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.825	2.826	-0.001	85	408984	10.8	
24 Acetone	43	2.825	2.826	-0.001	77	249719	21.7	
26 Iodomethane	142	2.943	2.944	-0.001	96	821429	10.7	
27 Carbon disulfide	76	3.014	3.003	0.011	98	1494759	10.1	
28 Acetonitrile	41	3.050	3.051	-0.001	93	112862	32.9	
30 Methyl acetate	43	3.109	3.098	0.011	96	372393	10.4	
31 Methylene Chloride	84	3.192	3.193	-0.001	86	586301	10.3	
32 2-Methyl-2-propanol	59	3.263	3.264	-0.001	94	453145	205.8	
33 Acrylonitrile	53	3.381	3.382	-0.001	99	509210	30.1	
35 Methyl tert-butyl ether	73	3.428	3.429	-0.001	90	1324273	10.3	
34 trans-1,2-Dichloroethene	96	3.428	3.429	-0.001	68	535072	10.2	
36 Hexane	86	3.665	3.666	-0.001	93	105404	10.1	
37 1,1-Dichloroethane	63	3.772	3.772	0.0	96	915711	10.5	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
38 Vinyl acetate	86	3.795	3.796	-0.001	97	91172	12.3	
39 Isopropyl ether	87	3.819	3.822	-0.003	95	483926	11.1	
42 2-Butanone (MEK)	43	4.245	4.246	-0.001	57	341673	19.5	
43 cis-1,2-Dichloroethene	96	4.245	4.246	-0.001	82	565872	10.2	
44 2,2-Dichloropropane	77	4.257	4.257	0.0	89	453477	10.0	
48 Chlorobromomethane	128	4.446	4.447	-0.001	92	272714	9.95	
49 Tetrahydrofuran	42	4.493	4.494	-0.001	88	122224	10.0	
50 Chloroform	83	4.505	4.494	0.011	81	864569	9.84	
51 1,1,1-Trichloroethane	97	4.683	4.672	0.011	87	651810	10.2	
52 Cyclohexane	56	4.742	4.743	-0.001	88	775149	9.69	
53 1,1-Dichloropropene	75	4.813	4.814	-0.001	94	645389	10.0	
54 Carbon tetrachloride	117	4.825	4.825	0.0	93	561303	10.1	
55 Isobutyl alcohol	41	4.848	4.851	-0.003	94	591375	528.7	
56 1,2-Dichloroethane	62	4.979	4.979	0.0	46	633870	10.3	
57 Benzene	78	4.990	4.979	0.011	95	2152834	10.3	
61 Trichloroethene	130	5.523	5.524	-0.001	92	541034	10.2	
64 1,2-Dichloropropane	63	5.700	5.701	-0.001	87	476819	10.4	
63 Methylcyclohexane	83	5.700	5.701	-0.001	86	687408	9.80	
66 Dibromomethane	93	5.807	5.808	-0.001	85	286527	10.5	
68 Dichlorobromomethane	83	5.925	5.926	-0.001	94	593053	10.4	
70 2-Chloroethyl vinyl ether	63	6.174	6.174	0.0	93	232673	9.72	
71 cis-1,3-Dichloropropene	75	6.316	6.316	0.0	91	632357	9.68	
72 4-Methyl-2-pentanone (MIBK)	43	6.446	6.447	-0.001	96	728603	20.6	
73 Toluene	91	6.623	6.624	-0.001	97	2128346	9.85	
74 trans-1,3-Dichloropropene	75	6.801	6.802	-0.001	89	561096	9.80	
76 1,1,2-Trichloroethane	97	6.966	6.967	-0.001	84	425622	10.2	
77 1,3-Dichloropropane	76	7.120	7.121	-0.001	91	710209	9.76	
78 Tetrachloroethene	164	7.132	7.133	-0.001	94	432984	9.80	
79 2-Hexanone	43	7.179	7.192	-0.013	96	489016	20.5	
81 Chlorodibromomethane	129	7.333	7.334	-0.001	90	417940	9.76	
83 Ethylene Dibromide	107	7.452	7.452	0.0	96	413800	10.0	
85 Chlorobenzene	112	7.913	7.914	-0.001	97	1384146	9.74	
86 1,1,1,2-Tetrachloroethane	131	7.972	7.973	-0.001	89	491600	10.1	
87 Ethylbenzene	106	8.008	8.008	0.0	97	723658	9.97	
88 m-Xylene & p-Xylene	106	8.114	8.115	-0.001	99	1864199	20.3	
89 o-Xylene	106	8.493	8.494	-0.001	91	953109	10.8	
90 Styrene	104	8.505	8.505	0.0	92	1530890	10.6	
91 Bromoform	173	8.682	8.683	-0.001	98	278064	9.99	
92 Isopropylbenzene	105	8.848	8.849	-0.001	94	2232723	10.4	
94 Cyclohexanone	55	8.931	8.934	-0.003	87	227738	47.5	
95 1,1,2,2-Tetrachloroethane	83	9.108	9.109	-0.001	93	584187	9.42	
96 Bromobenzene	156	9.144	9.144	0.0	90	635774	9.59	
97 1,2,3-Trichloropropane	110	9.155	9.156	-0.001	72	195777	9.71	
98 trans-1,4-Dichloro-2-butene	53	9.167	9.168	-0.001	78	293007	19.1	
99 N-Propylbenzene	120	9.250	9.239	0.011	97	652491	10.2	
100 2-Chlorotoluene	126	9.333	9.334	-0.001	97	590662	9.72	
101 1,3,5-Trimethylbenzene	105	9.416	9.417	-0.001	93	1908167	10.3	
102 4-Chlorotoluene	126	9.439	9.440	-0.001	98	633118	9.79	
103 tert-Butylbenzene	119	9.735	9.736	-0.001	89	1732084	10.5	
104 1,2,4-Trimethylbenzene	105	9.783	9.783	0.0	76	1973701	10.4	
105 sec-Butylbenzene	105	9.948	9.949	-0.001	92	2051953	9.93	
106 1,3-Dichlorobenzene	146	10.067	10.067	0.0	96	1201441	9.81	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
107 4-Isopropyltoluene	119	10.090	10.091	-0.001	92	1833220	10.4	
108 1,4-Dichlorobenzene	146	10.149	10.150	-0.001	95	1266549	9.53	
109 1,2,3-Trimethylbenzene	105	10.197	10.200	-0.003	95	2038446	11.1	
110 n-Butylbenzene	91	10.504	10.493	0.011	93	1383856	9.84	
111 1,2-Dichlorobenzene	146	10.516	10.517	-0.001	98	1166801	9.93	
112 1,2-Dibromo-3-Chloropropane	157	11.285	11.286	-0.001	80	83097	8.98	
114 1,2,4-Trichlorobenzene	180	12.126	12.126	0.0	93	490825	8.86	
115 Hexachlorobutadiene	225	12.303	12.304	-0.001	92	186526	6.77	
116 Naphthalene	128	12.374	12.375	-0.001	100	1140702	8.48	
117 1,2,3-Trichlorobenzene	180	12.623	12.623	-0.001	99	452064	8.34	
S 119 Trihalomethanes, Total	1				0		40.0	
S 120 1,2-Dichloroethene, Total	96				0		20.3	
S 122 Xylenes, Total	106				0		31.1	

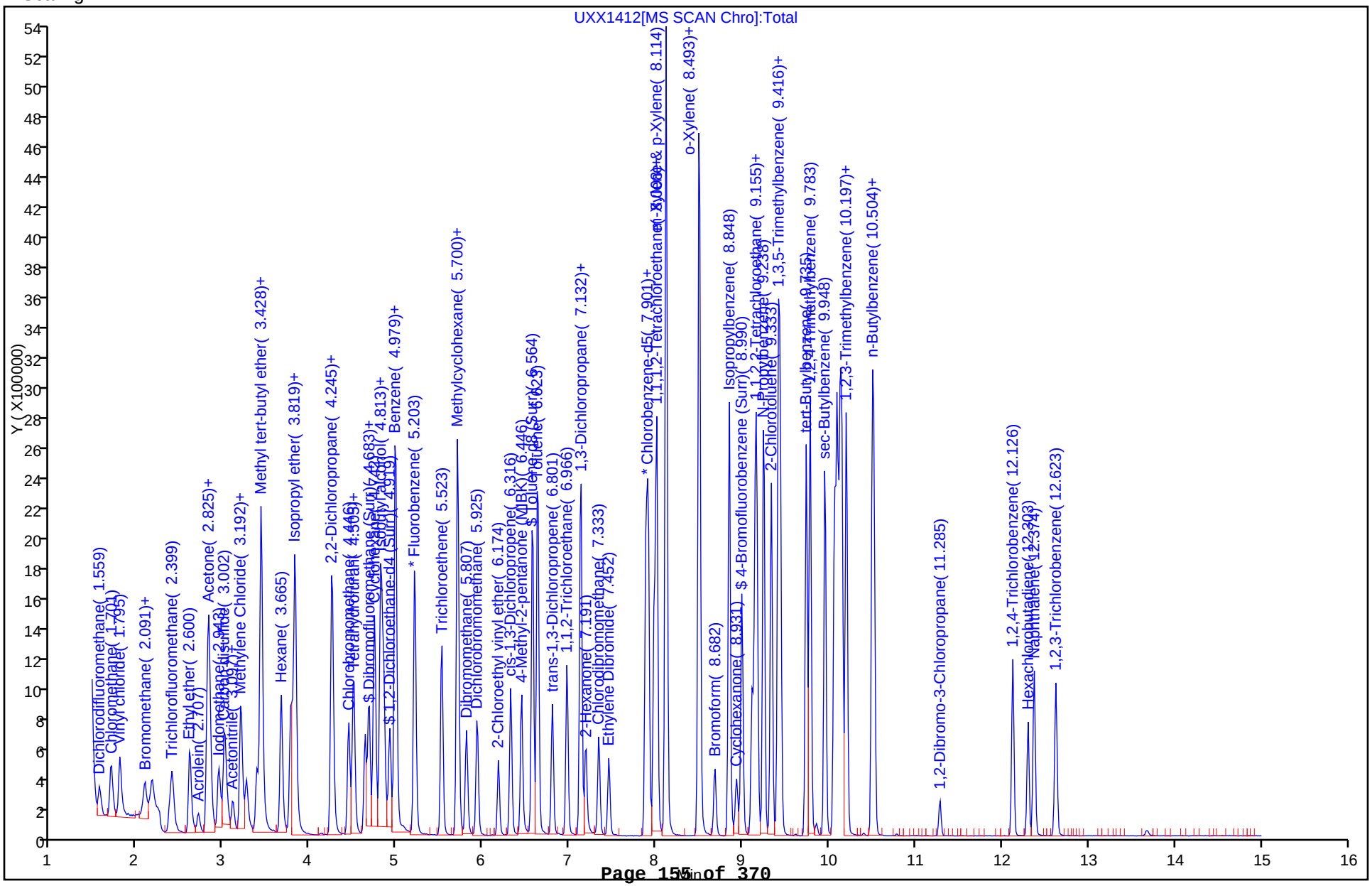
Report Date: 17-Dec-2012 09:35:41 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1412.D

Injection Date:	14-Dec-2012 19:48:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	68811	Lims Sample ID:	14
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Lab Sample ID: CCV 240-69591/2 Calibration Date: 12/20/2012 11:59

Instrument ID: A3UX10 Calib Start Date: 12/14/2012 15:32

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 12/14/2012 17:19

Lab File ID: UXX1587.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.1849	0.2428	0.1000	0.0131	0.0100	31.3*	20.0
Chloromethane	Ave	0.3300	0.3325	0.1000	0.0101	0.0100	0.8	20.0
Vinyl chloride	Ave	0.3283	0.3419	0.1000	0.0104	0.0100	4.1	20.0
Bromomethane	Ave	0.1541	0.1591	0.0500	0.0103	0.0100	3.3	20.0
Chloroethane	Ave	0.1913	0.2007	0.0500	0.0105	0.0100	4.9	20.0
Trichlorofluoromethane	Ave	0.2655	0.3008	0.1000	0.0113	0.0100	13.3	20.0
Acrolein	Ave	0.0300	0.0267		0.0891	0.100	-10.9	20.0
1,1-Dichloroethene	Ave	0.2534	0.2472	0.1000	0.00975	0.0100	-2.5	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1979	0.2344	0.0500	0.0118	0.0100	18.4	20.0
Acetone	Lin1		0.0519	0.0500	0.0170	0.0200	-14.8	20.0
Iodomethane	Ave	0.4023	0.4280		0.0106	0.0100	6.4	20.0
Carbon disulfide	Ave	0.7720	0.8568	0.1000	0.0111	0.0100	11.0	20.0
Acetonitrile	Ave	0.0179	0.0173		0.0968	0.100	-3.2	20.0
Methyl acetate	Ave	0.1872	0.1703	0.1000	0.0182	0.0200	-9.0	20.0
Methylene Chloride	Lin1		0.3102	0.1000	0.0104	0.0100	4.5	20.0
2-Methyl-2-propanol	Ave	0.0115	0.0108		0.187	0.200	-6.5	20.0
Acrylonitrile	Ave	0.0883	0.0806		0.0183	0.0200	-8.7	20.0
Methyl tert-butyl ether	Ave	0.6743	0.6673	0.1000	0.00990	0.0100	-1.0	20.0
trans-1,2-Dichloroethene	Ave	0.2746	0.2868	0.1000	0.0104	0.0100	4.4	20.0
1,1-Dichloroethane	Ave	0.4540	0.4459	0.1000	0.00982	0.0100	-1.8	20.0
Vinyl acetate	Ave	0.0388	0.0374		0.00964	0.0100	-3.6	20.0
2-Butanone (MEK)	Ave	0.0917	0.0840	0.0500	0.0183	0.0200	-8.3	20.0
cis-1,2-Dichloroethene	Ave	0.2910	0.2933	0.1000	0.0101	0.0100	0.8	20.0
2,2-Dichloropropane	Ave	0.2361	0.2655		0.0112	0.0100	12.4	20.0
Bromochloromethane	Ave	0.1431	0.1495		0.0104	0.0100	4.4	20.0
Chloroform	Ave	0.4586	0.4564	0.2000	0.00995	0.0100	-0.5	20.0
1,1,1-Trichloroethane	Ave	0.3330	0.3477	0.1000	0.0104	0.0100	4.4	20.0
Cyclohexane	Ave	0.4179	0.4579	0.1000	0.0110	0.0100	9.6	20.0
1,1-Dichloropropene	Ave	0.3371	0.3422		0.0102	0.0100	1.5	20.0
Carbon tetrachloride	Ave	0.2901	0.2987	0.1000	0.0103	0.0100	3.0	20.0
1,2-Dichloroethane	Ave	0.3198	0.3051	0.1000	0.00954	0.0100	-4.6	20.0
Benzene	Ave	1.090	1.077	0.5000	0.00988	0.0100	-1.2	20.0
Trichloroethene	Ave	0.2783	0.2859	0.2000	0.0103	0.0100	2.8	20.0
1,2-Dichloropropane	Ave	0.2403	0.2440	0.1000	0.0102	0.0100	1.5	20.0
Methylcyclohexane	Ave	0.3663	0.3987	0.1000	0.0109	0.0100	8.8	20.0
Dibromomethane	Ave	0.1430	0.1424		0.00996	0.0100	-0.4	20.0
Bromodichloromethane	Ave	0.2973	0.2948	0.1000	0.00991	0.0100	-0.9	20.0
cis-1,3-Dichloropropene	Ave	0.3410	0.3354	0.1500	0.00984	0.0100	-1.6	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1850	0.1922	0.0500	0.0208	0.0200	3.9	20.0
Toluene	Ave	1.599	1.591	0.4000	0.00995	0.0100	-0.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Lab Sample ID: CCV 240-69591/2 Calibration Date: 12/20/2012 11:59

Instrument ID: A3UX10 Calib Start Date: 12/14/2012 15:32

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 12/14/2012 17:19

Lab File ID: UXX1587.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
trans-1,3-Dichloropropene	Ave	0.4239	0.3754	0.1000	0.00885	0.0100	-11.5	20.0
1,1,2-Trichloroethane	Ave	0.3101	0.2971	0.1000	0.00958	0.0100	-4.2	20.0
1,3-Dichloropropane	Ave	0.5387	0.5091		0.00945	0.0100	-5.5	20.0
Tetrachloroethene	Ave	0.3273	0.3397	0.2000	0.0104	0.0100	3.8	20.0
2-Hexanone	Ave	0.1765	0.1543	0.0500	0.0175	0.0200	-12.6	20.0
Dibromochloromethane	Ave	0.3172	0.3077		0.00970	0.0100	-3.0	20.0
1,2-Dibromoethane	Ave	0.3051	0.2939		0.00963	0.0100	-3.7	20.0
Chlorobenzene	Ave	1.052	1.033	0.3000	0.00982	0.0100	-1.8	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3595	0.3639		0.0101	0.0100	1.2	20.0
Ethylbenzene	Ave	0.5372	0.5531		0.0103	0.0100	3.0	20.0
m-Xylene & p-Xylene	Ave	0.6797	0.7177		0.0211	0.0200	5.6	20.0
o-Xylene	Ave	0.6537	0.6997		0.0107	0.0100	7.0	20.0
Styrene	Ave	1.074	1.123	0.3000	0.0105	0.0100	4.6	20.0
Bromoform	Ave	0.2062	0.1860	0.1000	0.00902	0.0100	-9.8	20.0
Isopropylbenzene	Ave	1.589	1.705	0.1000	0.0107	0.0100	7.3	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7129	0.6074	0.3000	0.00852	0.0100	-14.8	20.0
Bromobenzene	Ave	0.7626	0.7280		0.00955	0.0100	-4.5	20.0
1,2,3-Trichloropropane	Ave	0.2318	0.2044		0.00882	0.0100	-11.8	20.0
N-Propylbenzene	Ave	0.7378	0.7345		0.00996	0.0100	-0.4	20.0
2-Chlorotoluene	Ave	0.6986	0.6933		0.00992	0.0100	-0.8	20.0
1,3,5-Trimethylbenzene	Ave	2.126	2.225		0.0105	0.0100	4.6	20.0
4-Chlorotoluene	Ave	0.7439	0.7410		0.00996	0.0100	-0.4	20.0
tert-Butylbenzene	Ave	1.903	2.023		0.0106	0.0100	6.3	20.0
1,2,4-Trimethylbenzene	Ave	2.184	2.255		0.0103	0.0100	3.2	20.0
sec-Butylbenzene	Ave	2.376	2.431		0.0102	0.0100	2.3	20.0
1,3-Dichlorobenzene	Ave	1.409	1.401	0.6000	0.00995	0.0100	-0.5	20.0
4-Isopropyltoluene	Ave	2.025	2.093		0.0103	0.0100	3.3	20.0
1,4-Dichlorobenzene	Ave	1.528	1.493	0.5000	0.00977	0.0100	-2.3	20.0
n-Butylbenzene	Ave	1.617	1.597		0.00988	0.0100	-1.2	20.0
1,2-Dichlorobenzene	Ave	1.352	1.345	0.4000	0.00995	0.0100	-0.5	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1064	0.0897	0.0500	0.00843	0.0100	-15.7	20.0
1,2,4-Trichlorobenzene	Ave	0.6371	0.5861	0.2000	0.00920	0.0100	-8.0	20.0
Hexachlorobutadiene	Ave	0.3169	0.2329		0.00735	0.0100	-26.5*	20.0
Naphthalene	Ave	1.546	1.257		0.00813	0.0100	-18.7	20.0
1,2,3-Trichlorobenzene	Ave	0.6235	0.4971		0.00797	0.0100	-20.3*	20.0
Dibromofluoromethane (Surr)	Ave	0.2340	0.2339		0.00999	0.0100	-0.0	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2732	0.2361		0.00864	0.0100	-13.6	20.0
Toluene-d8 (Surr)	Ave	1.295	1.300		0.0100	0.0100	0.4	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4556	0.4536		0.00996	0.0100	-0.4	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121220-16059.b\UXX1587.D
Lims ID: CCVIS L4 8260 Client ID:
Inject. Date: 20-Dec-2012 11:59:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: 240-0016059-002
Misc. Info.: P21220A,8260LLUX10,,1904 =P21220A,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 3
Lims Batch ID: 69591 Lims Sample ID: 2
Sublist: chrom-8260_10*sub25
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121220-16059.b\8260_10.m
Last Update: 21-Dec-2012 08:34:45 Calib Date: 14-Dec-2012 19:27:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK018

First Level Reviewer: quayler Date: 20-Dec-2012 12:17:43

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.207	5.207	0.0	100	2109455	10.0	
* 2 Chlorobenzene-d5	117	7.881	7.881	0.0	83	1518089	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.129	10.129	0.0	90	980489	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.639	4.639	0.0	60	493312	10.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.923	4.923	0.0	0	498027	8.64	
$ 7 Toluene-d8 (Surr)	98	6.568	6.568	0.0	92	1974176	10.0	
$ 8 4-Bromofluorobenzene (Surr)	95	8.993	8.993	0.0	96	688613	9.96	
12 Dichlorodifluoromethane	85	1.562	1.562	0.0	87	512097	13.1	
13 Chloromethane	50	1.693	1.693	0.0	99	701479	10.1	
14 Vinyl chloride	62	1.799	1.799	0.0	82	721111	10.4	
16 Bromomethane	94	2.095	2.095	0.0	88	335674	10.3	
17 Chloroethane	64	2.178	2.178	0.0	99	423291	10.5	
19 Trichlorofluoromethane	101	2.391	2.391	0.0	98	634577	11.3	
21 Acrolein	56	2.710	2.710	0.0	98	563182	89.1	
23 1,1-Dichloroethene	96	2.817	2.817	0.0	95	521480	9.75	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.829	2.829	0.0	82	494497	11.8	
24 Acetone	43	2.829	2.829	0.0	54	218730	17.0	
26 Iodomethane	142	2.947	2.947	0.0	96	902941	10.6	
27 Carbon disulfide	76	3.006	3.006	0.0	99	1807404	11.1	
28 Acetonitrile	41	3.053	3.053	0.0	99	365734	96.8	
30 Methyl acetate	43	3.101	3.101	0.0	95	718625	18.2	
31 Methylene Chloride	84	3.195	3.195	0.0	84	654403	10.4	
32 2-Methyl-2-propanol	59	3.266	3.266	0.0	93	453432	187.0	
33 Acrylonitrile	53	3.385	3.385	0.0	99	339895	18.3	
34 trans-1,2-Dichloroethene	96	3.432	3.432	0.0	68	604909	10.4	
35 Methyl tert-butyl ether	73	3.432	3.432	0.0	90	1407636	9.90	
36 Hexane	86	3.669	3.669	0.0	91	125221	10.9	
37 1,1-Dichloroethane	63	3.775	3.775	0.0	85	940699	9.82	
38 Vinyl acetate	86	3.799	3.799	0.0	96	78869	9.64	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
43 cis-1,2-Dichloroethene	96	4.248	4.248	0.0	69	618678	10.1	
42 2-Butanone (MEK)	43	4.248	4.248	0.0	92	354450	18.3	
44 2,2-Dichloropropane	77	4.260	4.260	0.0	92	559992	11.2	
48 Chlorobromomethane	128	4.450	4.450	0.0	88	315374	10.4	
50 Chloroform	83	4.497	4.497	0.0	81	962761	9.95	
49 Tetrahydrofuran	42	4.497	4.497	0.0	90	115887	8.61	
51 1,1,1-Trichloroethane	97	4.686	4.686	0.0	88	733517	10.4	
52 Cyclohexane	56	4.745	4.745	0.0	87	966005	11.0	
53 1,1-Dichloropropene	75	4.816	4.816	0.0	94	721776	10.2	
54 Carbon tetrachloride	117	4.828	4.828	0.0	87	630131	10.3	
57 Benzene	78	4.982	4.982	0.0	94	2272298	9.88	
56 1,2-Dichloroethane	62	4.982	4.982	0.0	45	643521	9.54	
61 Trichloroethene	130	5.526	5.526	0.0	91	603149	10.3	
64 1,2-Dichloropropane	63	5.704	5.704	0.0	85	514722	10.2	
63 Methylcyclohexane	83	5.704	5.704	0.0	88	840931	10.9	
66 Dibromomethane	93	5.810	5.810	0.0	89	300422	9.96	
67 1,4-Dioxane	88	5.810	5.810	0.0	38	128729	417.8	
68 Dichlorobromomethane	83	5.929	5.929	0.0	99	621768	9.91	
70 2-Chloroethyl vinyl ether	63	6.177	6.177	0.0	90	536695	20.4	
71 cis-1,3-Dichloropropene	75	6.319	6.319	0.0	92	707566	9.84	
72 4-Methyl-2-pentanone (MIBK)	43	6.449	6.449	0.0	95	810794	20.8	
73 Toluene	91	6.627	6.627	0.0	98	2415177	9.95	
74 trans-1,3-Dichloropropene	75	6.804	6.804	0.0	91	569809	8.85	
75 Ethyl methacrylate	69	6.875	6.875	0.0	89	559663	8.81	
76 1,1,2-Trichloroethane	97	6.970	6.970	0.0	83	451003	9.58	
77 1,3-Dichloropropane	76	7.124	7.124	0.0	90	772777	9.45	
78 Tetrachloroethene	164	7.136	7.136	0.0	96	515677	10.4	
79 2-Hexanone	43	7.183	7.183	0.0	94	468405	17.5	
81 Chlorodibromomethane	129	7.337	7.337	0.0	89	467174	9.70	
83 Ethylene Dibromide	107	7.455	7.455	0.0	96	446147	9.63	
85 Chlorobenzene	112	7.905	7.905	0.0	95	1567986	9.82	
86 1,1,1,2-Tetrachloroethane	131	7.976	7.976	0.0	84	552353	10.1	
87 Ethylbenzene	106	8.011	8.011	0.0	97	839714	10.3	
88 m-Xylene & p-Xylene	106	8.118	8.118	0.0	99	2179106	21.1	
89 o-Xylene	106	8.496	8.496	0.0	89	1062189	10.7	
90 Styrene	104	8.508	8.508	0.0	93	1705113	10.5	
91 Bromoform	173	8.686	8.686	0.0	98	282395	9.02	
92 Isopropylbenzene	105	8.851	8.851	0.0	94	2587667	10.7	
95 1,1,2,2-Tetrachloroethane	83	9.112	9.112	0.0	86	595579	8.52	
96 Bromobenzene	156	9.147	9.147	0.0	88	713803	9.55	
97 1,2,3-Trichloropropane	110	9.159	9.159	0.0	74	200427	8.82	
98 trans-1,4-Dichloro-2-butene	53	9.171	9.171	0.0	62	75094	4.35	
99 N-Propylbenzene	120	9.242	9.242	0.0	97	720151	9.96	
100 2-Chlorotoluene	126	9.337	9.337	0.0	98	679752	9.92	
101 1,3,5-Trimethylbenzene	105	9.419	9.419	0.0	93	2181144	10.5	
102 4-Chlorotoluene	126	9.443	9.443	0.0	98	726569	9.96	
103 tert-Butylbenzene	119	9.739	9.739	0.0	88	1983529	10.6	
104 1,2,4-Trimethylbenzene	105	9.786	9.786	0.0	76	2210905	10.3	
105 sec-Butylbenzene	105	9.952	9.952	0.0	91	2384050	10.2	
106 1,3-Dichlorobenzene	146	10.070	10.070	0.0	85	1373645	9.95	
107 4-Isopropyltoluene	119	10.094	10.094	0.0	96	2051877	10.3	
108 1,4-Dichlorobenzene	146	10.153	10.153	0.0	94	1464125	9.77	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
110 n-Butylbenzene	91	10.496	10.496	0.0	95	1566170	9.88	
111 1,2-Dichlorobenzene	146	10.520	10.520	0.0	98	1318304	9.95	
112 1,2-Dibromo-3-Chloropropane	157	11.289	11.289	0.0	78	87919	8.43	
113 1,3,5-Trichlorobenzene	180	11.514	11.514	0.0	97	704718	9.73	
114 1,2,4-Trichlorobenzene	180	12.129	12.129	0.0	92	574622	9.20	
115 Hexachlorobutadiene	225	12.307	12.307	0.0	92	228399	7.35	
116 Naphthalene	128	12.378	12.378	0.0	100	1232017	8.13	
117 1,2,3-Trichlorobenzene	180	12.626	12.626	0.0	98	487351	7.97	
S 119 Trihalomethanes, Total	1				0		38.6	
S 120 1,2-Dichloroethene, Total	96				0		20.5	
S 121 1,3-Dichloropropene, Total	75				0		18.7	
S 122 Xylenes, Total	106				0		31.8	

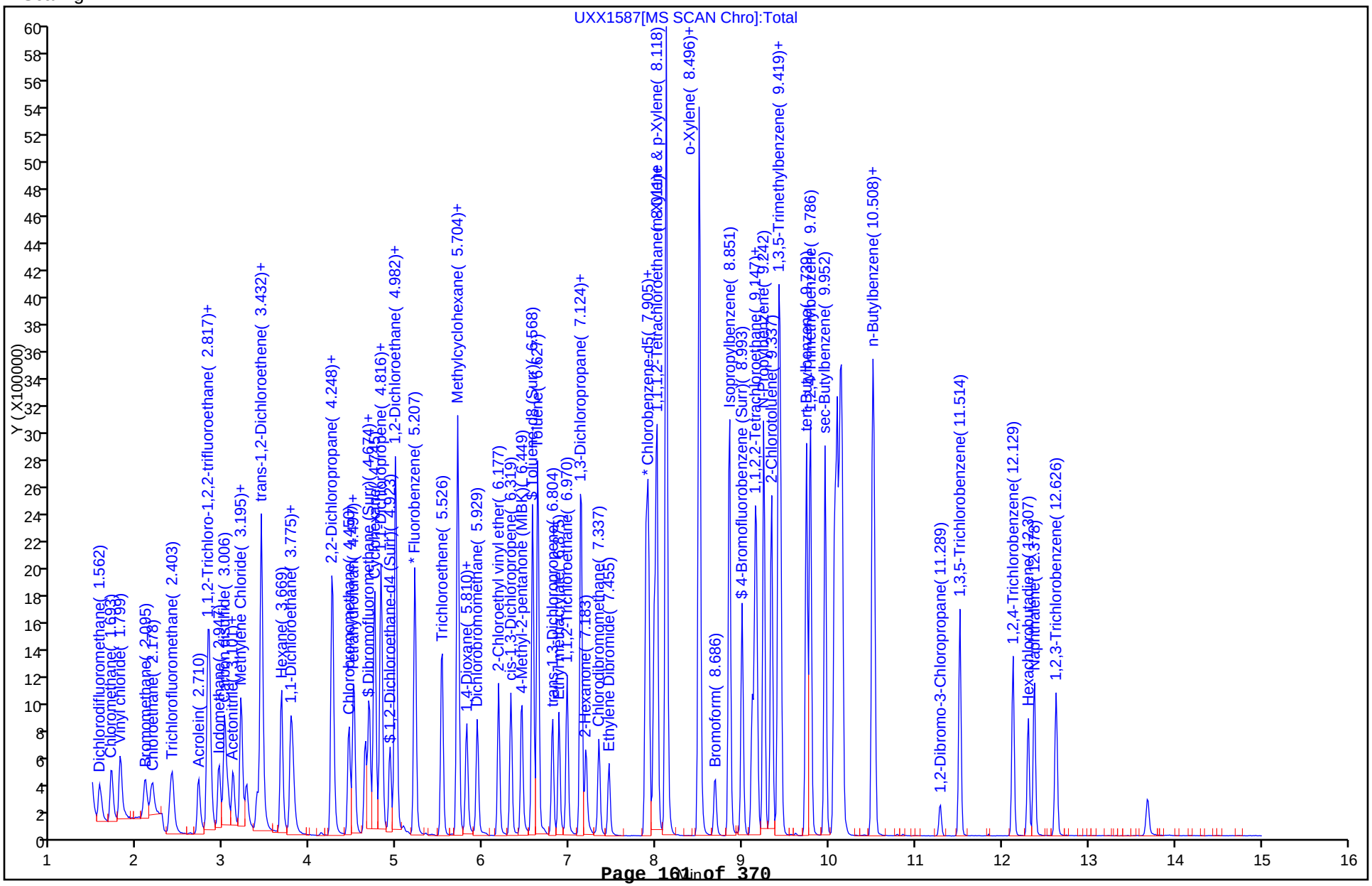
Report Date: 21-Dec-2012 08:34:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121220-16059.b\UXX1587.D

Injection Date:	20-Dec-2012 11:59:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	69591	Lims Sample ID:	2
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Lab Sample ID: LODV 240-69591/19 Calibration Date: 12/20/2012 18:04

Instrument ID: A3UX10 Calib Start Date: 12/14/2012 15:32

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 12/14/2012 17:19

Lab File ID: UXX1603.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.1849			0.000391	0.000500		
Chloromethane	Ave	0.3300			0.000591	0.000500		
Vinyl chloride	Ave	0.3283			0.000562	0.000500		
Bromomethane	Ave	0.1541			0.000660	0.000500		
Chloroethane	Ave	0.1913			0.000655	0.000500		
Trichlorofluoromethane	Ave	0.2655			0.000564	0.000500		
Acrolein	Ave	0.0300			0.00433	0.00500		
1,1-Dichloroethene	Ave	0.2534			0.000478	0.000500		
Acetone	Lin1				0.00517	0.00500		
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1979			0.000540	0.000500		
Iodomethane	Ave	0.4023			0.000561	0.000500		
Carbon disulfide	Ave	0.7720			0.000535	0.000500		
Acetonitrile	Ave	0.0179			0.00624	0.00500		
Methyl acetate	Ave	0.1872			0.00111	0.00100		
Methylene Chloride	Lin1				0.000500	0.000500		
2-Methyl-2-propanol	Ave	0.0115			0.0119	0.0100		
Acrylonitrile	Ave	0.0883			0.00200	0.00100		
trans-1,2-Dichloroethene	Ave	0.2746			0.000496	0.000500		
Methyl tert-butyl ether	Ave	0.6743			0.000468	0.000500		
Hexane	Ave	0.0546				0.000500		
1,1-Dichloroethane	Ave	0.4540			0.000490	0.000500		
Vinyl acetate	Ave	0.0388			0.000334	0.000500		
2-Butanone (MEK)	Ave	0.0917			0.00464	0.00500		
2,2-Dichloropropane	Ave	0.2361			0.000489	0.000500		
cis-1,2-Dichloroethene	Ave	0.2910			0.000514	0.000500		
Bromochloromethane	Ave	0.1431			0.000528	0.000500		
Tetrahydrofuran	Ave	0.0638				0.000500		
Chloroform	Ave	0.4586			0.000498	0.000500		
1,1,1-Trichloroethane	Ave	0.3330			0.000469	0.000500		
Cyclohexane	Ave	0.4179			0.000452	0.000500		
1,1-Dichloropropene	Ave	0.3371			0.000429	0.000500		

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Lab Sample ID: LODV 240-69591/19 Calibration Date: 12/20/2012 18:04

Instrument ID: A3UX10 Calib Start Date: 12/14/2012 15:32

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 12/14/2012 17:19

Lab File ID: UXX1603.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	0.2901			0.000474	0.000500		
1,2-Dichloroethane	Ave	0.3198			0.000511	0.000500		
Benzene	Ave	1.090			0.000545	0.000500		
Trichloroethene	Ave	0.2783			0.000472	0.000500		
1,2-Dichloropropane	Ave	0.2403			0.000509	0.000500		
Methylcyclohexane	Ave	0.3663			0.000414	0.000500		
Dibromomethane	Ave	0.1430			0.000505	0.000500		
1,4-Dioxane	Ave	0.0015				0.0250		
Bromodichloromethane	Ave	0.2973			0.000437	0.000500		
2-Chloroethyl vinyl ether	Ave	0.1250				0.00100		
cis-1,3-Dichloropropene	Ave	0.3410			0.000357	0.000500		
4-Methyl-2-pentanone (MIBK)	Ave	0.1850			0.00412	0.00500		
Toluene	Ave	1.599			0.000488	0.000500		
trans-1,3-Dichloropropene	Ave	0.4239			0.000346	0.000500		
Ethyl methacrylate	Lin1					0.000500		
1,1,2-Trichloroethane	Ave	0.3101			0.000483	0.000500		
1,3-Dichloropropane	Ave	0.5387			0.000463	0.000500		
Tetrachloroethene	Ave	0.3273			0.000499	0.000500		
2-Hexanone	Ave	0.1765			0.00392	0.00500		
Dibromochloromethane	Ave	0.3172			0.000410	0.000500		
1,2-Dibromoethane	Ave	0.3051			0.000439	0.000500		
Chlorobenzene	Ave	1.052			0.000467	0.000500		
1,1,1,2-Tetrachloroethane	Ave	0.3595			0.000373	0.000500		
Ethylbenzene	Ave	0.5372			0.000395	0.000500		
m-Xylene & p-Xylene	Ave	0.6797			0.000758	0.00100		
o-Xylene	Ave	0.6537			0.000392	0.000500		
Styrene	Ave	1.074			0.000352	0.000500		
Bromoform	Ave	0.2062			0.000500	0.000500		
Isopropylbenzene	Ave	1.589			0.000361	0.000500		
1,1,2,2-Tetrachloroethane	Ave	0.7129			0.000460	0.000500		

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Lab Sample ID: LODV 240-69591/19 Calibration Date: 12/20/2012 18:04

Instrument ID: A3UX10 Calib Start Date: 12/14/2012 15:32

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 12/14/2012 17:19

Lab File ID: UXX1603.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Bromobenzene	Ave	0.7626			0.000475	0.000500		
1,2,3-Trichloropropane	Ave	0.2318			0.000479	0.000500		
trans-1,4-Dichloro-2-butene	Ave	0.1763				0.000500		
N-Propylbenzene	Ave	0.7378			0.000362	0.000500		
2-Chlorotoluene	Ave	0.6986			0.000407	0.000500		
1,3,5-Trimethylbenzene	Ave	2.126			0.000341	0.000500		
4-Chlorotoluene	Ave	0.7439			0.000395	0.000500		
tert-Butylbenzene	Ave	1.903			0.000389	0.000500		
1,2,4-Trimethylbenzene	Ave	2.184			0.000355	0.000500		
sec-Butylbenzene	Ave	2.376			0.000365	0.000500		
1,3-Dichlorobenzene	Ave	1.409			0.000487	0.000500		
4-Isopropyltoluene	Ave	2.025			0.000336	0.000500		
1,4-Dichlorobenzene	Ave	1.528			0.000474	0.000500		
n-Butylbenzene	Ave	1.617			0.000372	0.000500		
1,2-Dichlorobenzene	Ave	1.352			0.000489	0.000500		
1,2-Dibromo-3-Chloropropane	Ave	0.1064			0.000500	0.000500		
1,3,5-Trichlorobenzene	Ave	0.7387				0.000500		
1,2,4-Trichlorobenzene	Ave	0.6371			0.000542	0.000500		
Hexachlorobutadiene	Ave	0.3169			0.000577	0.000500		
Naphthalene	Ave	1.546			0.000406	0.000500		
1,2,3-Trichlorobenzene	Ave	0.6235			0.000549	0.000500		
Dibromofluoromethane (Surr)	Ave	0.2340			0.00997	0.0100	100	85-115
1,2-Dichloroethane-d4 (Surr)	Ave	0.2732			0.00924	0.0100	92	70-120
Toluene-d8 (Surr)	Ave	1.295			0.00950	0.0100	95	85-120
4-Bromofluorobenzene (Surr)	Ave	0.4556			0.00962	0.0100	96	75-120

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121220-16059.b\UXX1603.D
Lims ID: LODV Client ID:
Inject. Date: 20-Dec-2012 18:04:30 Dil. Factor: 1.0000
Sample Type: LODV
Sample ID: 240-0016059-019
Misc. Info.: P21220A,8260LLUX10,,1904 =P21220A,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 19
Lims Batch ID: 69591 Lims Sample ID: 19
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121220-16059.b\8260_10.m
Last Update: 21-Dec-2012 08:34:47 Calib Date: 14-Dec-2012 19:27:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK018

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.216	5.204	0.012	100	2011895	10.0	
* 2 Chlorobenzene-d5	117	7.879	7.879	0.0	82	1436313	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.127	10.127	0.0	93	896548	10.0	
$ 4 BFB	95	4.447	3.747	0.700	0	4266	0	
$ 5 Dibromofluoromethane (Surr)	113	4.636	4.639	-0.003	59	469421	9.97	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.920	4.923	-0.003	0	507952	9.24	
$ 7 Toluene-d8 (Surr)	98	6.577	6.568	0.009	92	1767486	9.50	
$ 8 4-Bromofluorobenzene (Surr)	95	8.991	8.993	-0.002	95	629709	9.62	
143 1,3-Diethylbenzene TIC	1		0.000					
9 Benzyl chloride	126		0.000					
10 C6-C12	1		0.000					
11 C6-C10	1		0.000					
12 Dichlorodifluoromethane	85	1.560	1.562	-0.002	57	14539	0.3909	
13 Chloromethane	50	1.702	1.693	0.009	96	39244	0.5910	
14 Vinyl chloride	62	1.797	1.799	-0.002	58	37108	0.5619	
15 Chlorodifluoromethane TIC	1		1.900					
16 Bromomethane	94	2.092	2.095	-0.003	74	20450	0.6596	
17 Chloroethane	64	2.187	2.178	0.009	65	25217	0.6552	
18 Dichlorofluoromethane	67		2.329					
19 Trichlorofluoromethane	101	2.400	2.391	0.009	63	30121	0.5638	
20 Ethyl ether	59		2.613					9
21 Acrolein	56	2.708	2.710	-0.002	69	26106	4.33	
23 1,1-Dichloroethene	96	2.826	2.817	0.009	63	24364	0.4778	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.838	2.829	0.009	47	21482	0.5395	
24 Acetone	43	2.826	2.829	-0.003	97	70783	5.17	
22 Methylal	45		2.851					
26 Iodomethane	142	2.944	2.947	-0.003	89	45395	0.5609	
27 Carbon disulfide	76	3.015	3.006	0.009	96	83093	0.5350	
28 Acetonitrile	41	3.063	3.053	0.010	85	22469	6.24	
30 Methyl acetate	43	3.110	3.101	0.009	85	41622	1.11	
29 3-Chloro-1-propene	76		3.110					
31 Methylene Chloride	84	3.205	3.195	0.010	78	63200	0.2398	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
32 2-Methyl-2-propanol	59	3.264	3.266	-0.002	94	27443	11.9	
33 Acrylonitrile	53	3.394	3.385	0.009	88	18375	1.03	
34 trans-1,2-Dichloroethene	96	3.430	3.432	-0.002	59	27392	0.4958	
35 Methyl tert-butyl ether	73	3.441	3.432	0.009	84	63533	0.4683	
36 Hexane	86	3.678	3.669	0.009	86	4553	0.4142	
37 1,1-Dichloroethane	63	3.773	3.775	-0.002	69	44738	0.4898	
38 Vinyl acetate	86	3.796	3.799	-0.003	92	2609	0.3344	
39 Isopropyl ether	87		3.832					
40 2-Chloro-1,3-butadiene	53		3.856					
41 Tert-butyl ethyl ether	59		4.128					9
43 cis-1,2-Dichloroethene	96	4.258	4.248	0.010	58	30102	0.5141	
42 2-Butanone (MEK)	43	4.246	4.248	-0.002	97	85528	4.64	
44 2,2-Dichloropropane	77	4.258	4.260	-0.002	51	23229	0.4890	
45 Propionitrile	54		4.293					
46 Ethyl acetate	43		4.293					9
47 Methacrylonitrile	41		4.424					9
48 Chlorobromomethane	128	4.447	4.450	-0.003	63	15220	0.5285	
50 Chloroform	83	4.506	4.497	0.009	75	45980	0.4983	
49 Tetrahydrofuran	42	4.494	4.497	-0.003	23	5201	0.4050	
51 1,1,1-Trichloroethane	97	4.684	4.686	-0.002	77	31413	0.4689	
52 Cyclohexane	56	4.743	4.745	-0.002	85	38022	0.4523	
53 1,1-Dichloropropene	75	4.814	4.816	-0.002	85	29116	0.4294	
54 Carbon tetrachloride	117	4.826	4.828	-0.002	72	27655	0.4739	
55 Isobutyl alcohol	41		4.850					9
57 Benzene	78	4.991	4.982	0.009	90	119587	0.5453	
56 1,2-Dichloroethane	62	4.980	4.982	-0.002	37	32864	0.5108	
58 Tert-amyl methyl ether	73		5.062					9
59 n-Heptane	100		5.204					
60 n-Butanol	56		5.406					
61 Trichloroethene	130	5.524	5.526	-0.002	72	26403	0.4716	
62 Ethyl acrylate	55		5.605					9
64 1,2-Dichloropropane	63	5.701	5.704	-0.003	67	24629	0.5094	
63 Methylcyclohexane	83	5.701	5.704	-0.003	82	30487	0.4136	
65 Methyl methacrylate	41		5.784					9
66 Dibromomethane	93	5.808	5.810	-0.002	82	14539	0.5055	
67 1,4-Dioxane	88	5.820	5.810	0.010	1	4539	15.4	
68 Dichlorobromomethane	83	5.926	5.929	-0.003	74	26138	0.4370	
69 2-Nitropropane	41		6.116					
70 2-Chloroethyl vinyl ether	63	6.175	6.177	-0.002	69	18706	0.7440	
71 cis-1,3-Dichloropropene	75	6.317	6.319	-0.002	65	24513	0.3573	
72 4-Methyl-2-pentanone (MIBK)	43	6.447	6.449	-0.002	94	153245	4.12	
73 Toluene	91	6.636	6.627	0.009	93	112154	0.4882	
74 trans-1,3-Dichloropropene	75	6.802	6.804	-0.002	69	21095	0.3465	
75 Ethyl methacrylate	69	6.873	6.875	-0.002	60	19324	0.7987	
76 1,1,2-Trichloroethane	97	6.968	6.970	-0.002	81	21522	0.4831	
77 1,3-Dichloropropane	76	7.133	7.124	0.009	68	35852	0.4634	
78 Tetrachloroethene	164	7.133	7.136	-0.003	86	23470	0.4993	
79 2-Hexanone	43	7.192	7.183	0.009	95	99283	3.92	
80 n-Butyl acetate	56		7.299					9
81 Chlorodibromomethane	129	7.334	7.337	-0.003	61	18695	0.4104	
82 Tetrahydrothiophene	60		7.346					
83 Ethylene Dibromide	107	7.453	7.455	-0.002	67	19229	0.4388	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
84 1-Chlorohexane	91		7.779					
85 Chlorobenzene	112	7.914	7.905	0.009	72	70617	0.4675	
86 1,1,1,2-Tetrachloroethane	131	7.973	7.976	-0.003	67	19273	0.3733	
87 Ethylbenzene	106	8.009	8.011	-0.002	92	30504	0.3953	
88 m-Xylene & p-Xylene	106	8.115	8.118	-0.003	98	73978	0.7577	
89 o-Xylene	106	8.494	8.496	-0.002	84	36789	0.3918	
90 Styrene	104	8.506	8.508	-0.002	91	54302	0.3519	
91 Bromoform	173	8.671	8.686	-0.015	63	11195	0.3781	
92 Isopropylbenzene	105	8.849	8.851	-0.002	87	82361	0.3608	
93 1,4-Dichlorobutane	55		8.931					9
94 Cyclohexanone	55		8.932					9
95 1,1,2,2-Tetrachloroethane	83	9.109	9.112	-0.003	61	29404	0.4601	
96 Bromobenzene	156	9.145	9.147	-0.002	85	32487	0.4752	
97 1,2,3-Trichloropropane	110	9.157	9.159	-0.002	50	9952	0.4789	
98 trans-1,4-Dichloro-2-butene	53	9.168	9.171	-0.003	36	4475	0.2832	
99 N-Propylbenzene	120	9.251	9.242	0.009	90	23931	0.3618	
100 2-Chlorotoluene	126	9.334	9.337	-0.003	91	25498	0.4071	
101 1,3,5-Trimethylbenzene	105	9.417	9.419	-0.002	88	65054	0.3413	
102 4-Chlorotoluene	126	9.441	9.443	-0.002	89	26321	0.3947	
103 tert-Butylbenzene	119	9.736	9.739	-0.003	81	66309	0.3886	
104 1,2,4-Trimethylbenzene	105	9.784	9.786	-0.002	56	69459	0.3547	
105 sec-Butylbenzene	105	9.961	9.952	0.009	75	77710	0.3648	
106 1,3-Dichlorobenzene	146	10.068	10.070	-0.002	86	61453	0.4866	
107 4-Isopropyltoluene	119	10.091	10.094	-0.003	83	60951	0.3357	
108 1,4-Dichlorobenzene	146	10.151	10.153	-0.002	75	64873	0.4736	
109 1,2,3-Trimethylbenzene	105		10.198					9
110 n-Butylbenzene	91	10.506	10.496	0.010	88	54004	0.3725	
111 1,2-Dichlorobenzene	146	10.517	10.520	-0.003	92	59231	0.4888	
112 1,2-Dibromo-3-Chloropropane	157	11.287	11.289	-0.003	10	4247	0.4451	
113 1,3,5-Trichlorobenzene	180	11.511	11.514	-0.003	86	33501	0.5059	
114 1,2,4-Trichlorobenzene	180	12.127	12.129	-0.002	63	30953	0.5419	
115 Hexachlorobutadiene	225	12.304	12.307	-0.003	64	16380	0.5766	
116 Naphthalene	128	12.375	12.378	-0.003	94	56348	0.4064	
117 1,2,3-Trichlorobenzene	180	12.624	12.626	-0.002	77	30695	0.5491	
118 2-Methylnaphthalene	142		13.689					
S 119 Trihalomethanes, Total	1				0		1.72	
S 120 1,2-Dichloroethene, Total	96				0		1.01	
S 121 1,3-Dichloropropene, Total	75				0		0.7038	
S 122 Xylenes, Total	106				0		1.15	
T 123 Butyl Methacrylate TIC	1		9.400					1
T 124 Hexachloroethane TIC	1		10.700					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
9 - Failed A Reference Spectral Test

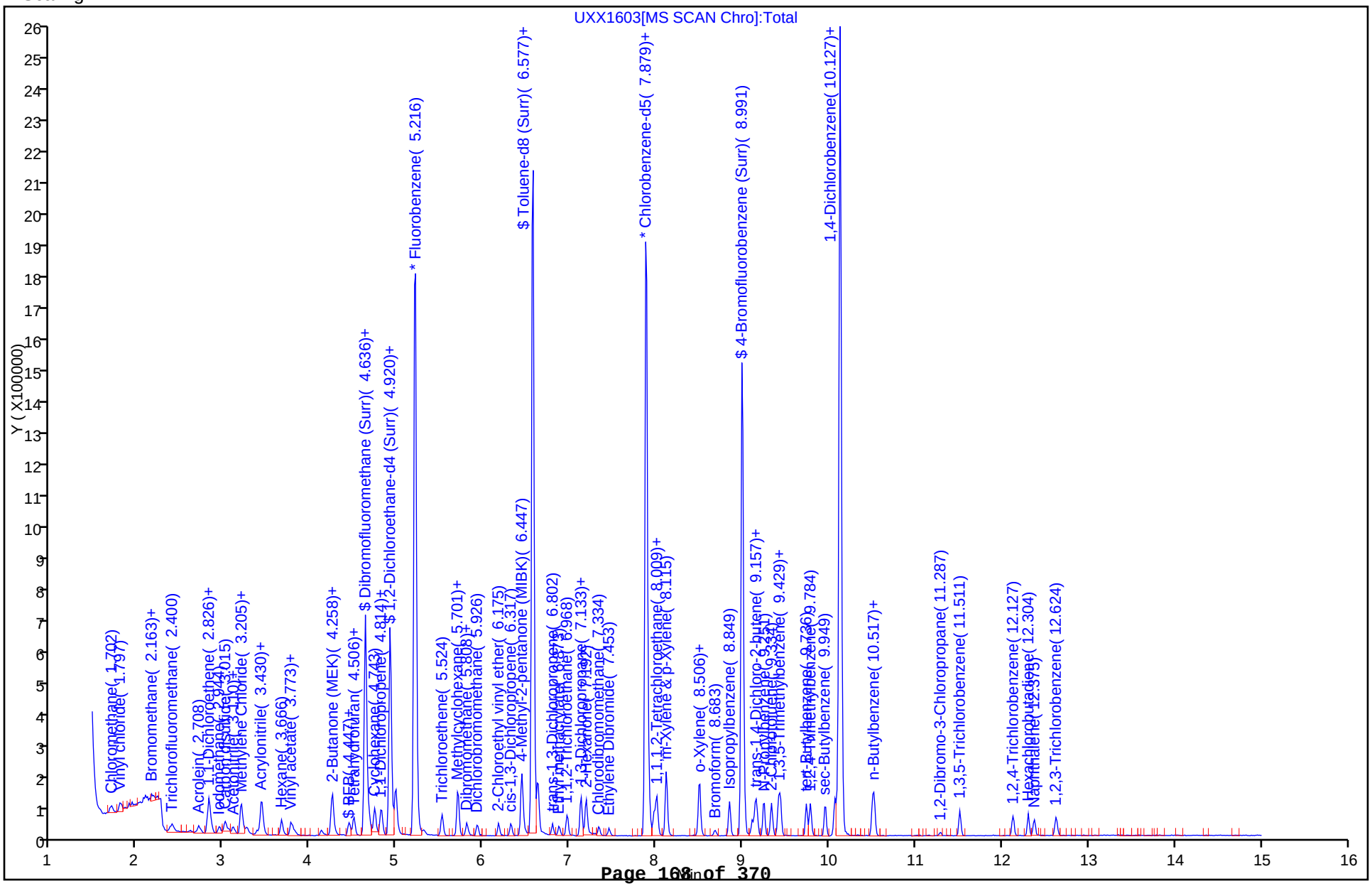
Report Date: 21-Dec-2012 08:54:34 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121220-16059.b\UXX1603.D

Injection Date:	20-Dec-2012 18:04:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	69591	Lims Sample ID:	19
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX10\20121214-15869.b\BFB5078.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	14-Dec-2012 15:04:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:			
Misc. Info.:	P21214A-IC,BFBUX10,,1904 =P21214A-IC,BFBUX10,,1904		
Operator:	1904	Instrument ID:	A3UX10
Purge Vol:	5.000 mL	ALS Bottle#:	7
Lims Batch ID:	68811	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX10\20121214-15869.b\8260_10.m		
Last Update:	17-Dec-2012 09:35:31	Calib Date:	14-Dec-2012 19:27:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK031		
First Level Reviewer: quayler		Date:	14-Dec-2012 16:54:04

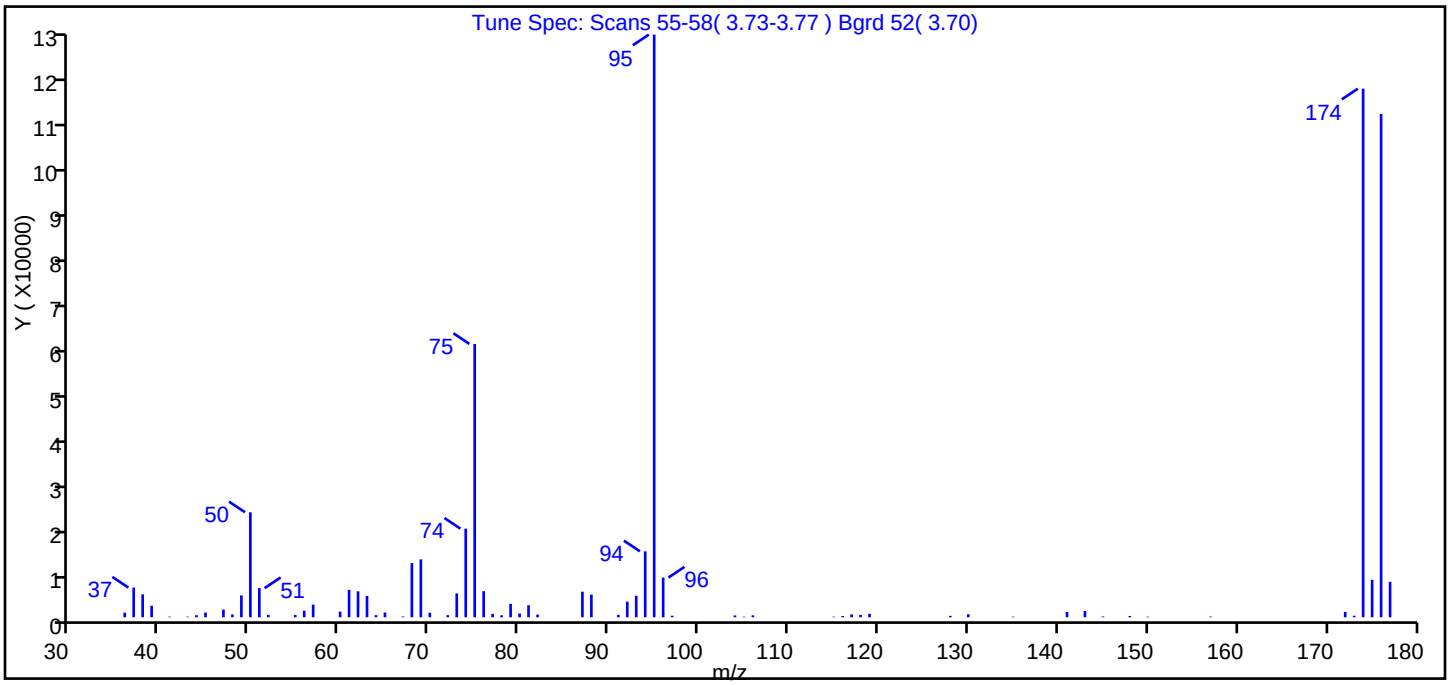
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
$ 4 BFB	95	3.756	3.756	0.0	0	480518	0	

MS Tune Report

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX10\20121214-15869.b\BFB5078.D		
Injection Date:	14-Dec-2012 15:04:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	68811	Lims Sample ID:	1
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm
Tune Method:	BFB Method 8260		

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.02
75	30.00 - 60.00% of mass 95	46.91
96	5.00 - 9.00% of mass 95	6.82
173	Less than 2.00% of mass 174	0.26 (0.29)
174	Greater than 50.00% of mass 95	90.71
175	5.00 - 9.00% of mass 174	6.42 (7.08)
176	95.00 - 101.00% of mass 174	86.38 (95.23)
177	5.00 - 9.00% of mass 176	6.08 (7.04)

Data File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\BFB5078.D\8260_10.rslt\spectra.d
Injection Date: 14-Dec-2012 15:04:30
Spectrum: Tune Spec: Scans 55-58(3.73-3.77) Bgrd 52(3.70)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 70

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1000	61.00	5972	81.00	2623	119.00	753
37.00	6462	62.00	5656	82.00	580	128.00	304
38.00	4988	63.00	4648	87.00	5564	130.00	650
39.00	2499	64.00	458	88.00	4940	135.00	125
41.00	129	65.00	1028	91.00	520	141.00	1134
43.00	125	67.00	160	92.00	3402	143.00	1365
44.00	457	68.00	11797	93.00	4676	145.00	171
45.00	1019	69.00	12612	94.00	14361	148.00	283
47.00	1669	70.00	974	95.00	126896	150.00	127
48.00	603	72.00	461	96.00	8649	157.00	147
49.00	4761	73.00	5194	97.00	335	172.00	1165
50.00	22864	74.00	19296	104.00	396	173.00	331
51.00	6347	75.00	59528	105.00	125	174.00	115112
52.00	525	76.00	5687	106.00	426	175.00	8151
55.00	504	77.00	734	115.00	126	176.00	109616
56.00	1423	78.00	425	116.00	275	177.00	7712
57.00	2756	79.00	2924	117.00	619		
60.00	1226	80.00	815	118.00	520		

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX10\20121220-16059.b\BFB5089.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	20-Dec-2012 10:51:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:			
Misc. Info.:	P21220A,BFBUX10,,1904 =P21220A,BFBUX10,,1904		
Operator:	1904	Instrument ID:	A3UX10
Purge Vol:	5.000 mL	ALS Bottle#:	4
Lims Batch ID:	69591	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX10\20121220-16059.b\8260_10.m		
Last Update:	21-Dec-2012 08:34:44	Calib Date:	14-Dec-2012 19:27:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK018		
First Level Reviewer: quayler		Date:	20-Dec-2012 10:59:33

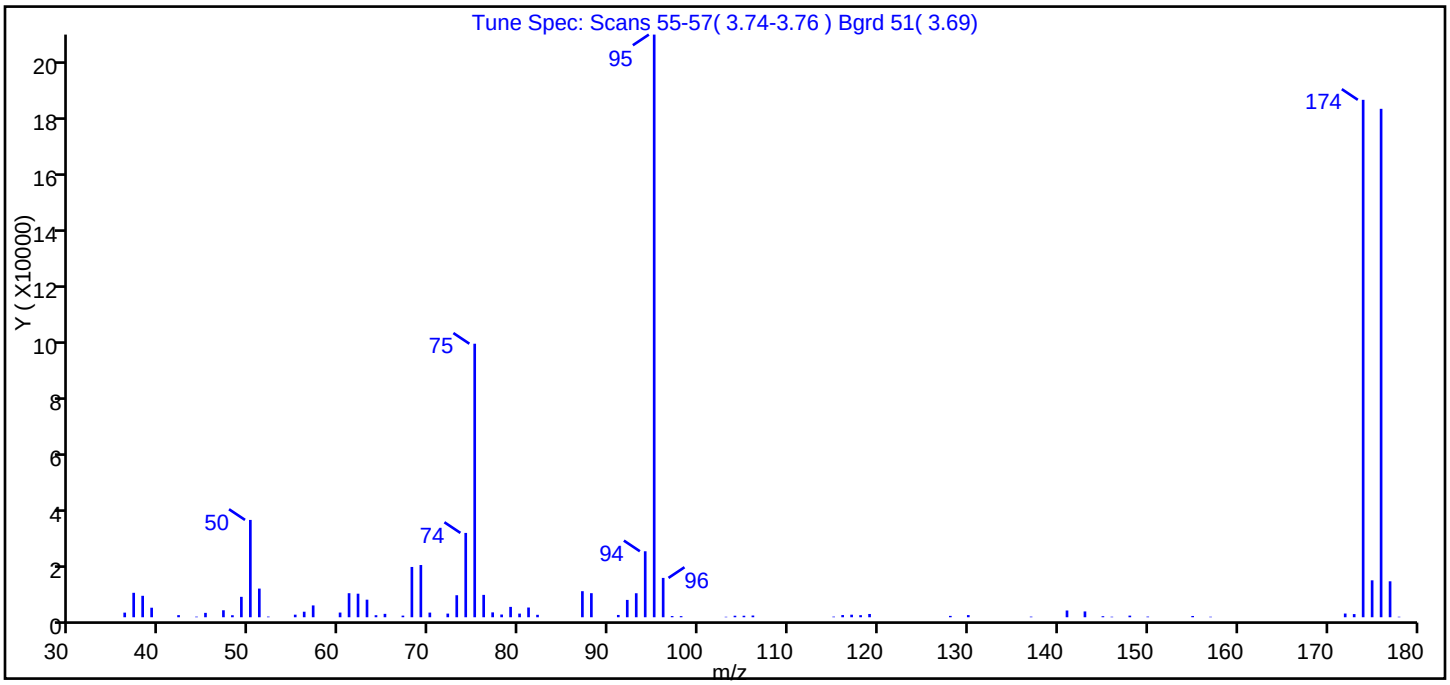
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
$ 4 BFB	95	3.747	3.747	0.0	0	655213	0	

MS Tune Report

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX10\20121220-16059.b\BFB5089.D		
Injection Date:	20-Dec-2012 10:51:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	69591	Lims Sample ID:	1
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm
Tune Method:	BFB Method 8260		

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.71
75	30.00 - 60.00% of mass 95	46.94
96	5.00 - 9.00% of mass 95	6.75
173	Less than 2.00% of mass 174	0.54 (0.61)
174	Greater than 50.00% of mass 95	88.80
175	5.00 - 9.00% of mass 174	6.34 (7.14)
176	95.00 - 101.00% of mass 174	87.26 (98.26)
177	5.00 - 9.00% of mass 176	6.17 (7.07)

Data File: \\NCChrom\ChromData\A3UX10\20121220-16059.b\BFB5089.D\8260_10.rslt\spectra.d
Injection Date: 20-Dec-2012 10:51:30
Spectrum: Tune Spec: Scans 55-57(3.74-3.76) Bgrd 51(3.69)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 74

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1611	63.00	6123	88.00	8385	130.00	752
37.00	8516	64.00	713	91.00	803	137.00	220
38.00	7472	65.00	1189	92.00	6040	141.00	2354
39.00	3324	67.00	569	93.00	8364	143.00	2029
42.00	735	68.00	17520	94.00	22984	145.00	365
44.00	214	69.00	18192	95.00	202944	146.00	188
45.00	1531	70.00	1625	96.00	13707	148.00	568
47.00	2436	72.00	1276	97.00	415	150.00	234
48.00	703	73.00	7674	98.00	384	155.00	445
49.00	7112	74.00	29376	103.00	168	157.00	182
50.00	33904	75.00	95272	104.00	532	172.00	1294
51.00	9985	76.00	7797	105.00	528	173.00	1106
52.00	233	77.00	1702	106.00	602	174.00	180224
55.00	899	78.00	953	115.00	224	175.00	12861
56.00	1931	79.00	3610	116.00	767	176.00	177088
57.00	4121	80.00	1273	117.00	888	177.00	12524
60.00	1637	81.00	3392	118.00	729	178.00	177
61.00	8377	82.00	852	119.00	1140		
62.00	8206	87.00	9077	128.00	477		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-69591/6

Matrix: Water | Lab File ID: UXX1590.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 12/20/2012 13:05

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 69591 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	0.25	U	1.0	0.25	0.22
79-34-5	1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	0.18
79-00-5	1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.27
75-34-3	1,1-Dichloroethane	0.25	U	1.0	0.25	0.15
75-35-4	1,1-Dichloroethene	0.25	U	1.0	0.25	0.19
107-06-2	1,2-Dichloroethane	0.25	U	1.0	0.25	0.22
540-59-0	1,2-Dichloroethene, Total	0.50	U	2.0	0.50	0.34
78-87-5	1,2-Dichloropropane	0.25	U	1.0	0.25	0.18
78-93-3	2-Butanone (MEK)	0.57	U	10	0.57	0.57
591-78-6	2-Hexanone	0.50	U	10	0.50	0.41
108-10-1	4-Methyl-2-pentanone (MIBK)	0.50	U	10	0.50	0.32
67-64-1	Acetone	1.1	U	10	1.1	1.1
71-43-2	Benzene	0.25	U	1.0	0.25	0.13
75-25-2	Bromoform	0.64	U	1.0	0.64	0.64
74-83-9	Bromomethane	0.50	U	1.0	0.50	0.41
75-15-0	Carbon disulfide	0.25	U	1.0	0.25	0.13
56-23-5	Carbon tetrachloride	0.25	U	1.0	0.25	0.13
108-90-7	Chlorobenzene	0.25	U	1.0	0.25	0.15
74-87-3	Chloromethane	0.50	U	1.0	0.50	0.30
10061-01-5	cis-1,3-Dichloropropene	0.25	U	1.0	0.25	0.14
124-48-1	Dibromochloromethane	0.25	U	1.0	0.25	0.18
75-27-4	Bromodichloromethane	0.25	U	1.0	0.25	0.15
100-41-4	Ethylbenzene	0.25	U	1.0	0.25	0.17
1634-04-4	Methyl tert-butyl ether	0.25	U	1.0	0.25	0.17
75-09-2	Methylene Chloride	0.50	U	1.0	0.50	0.33
100-42-5	Styrene	0.25	U	1.0	0.25	0.11
127-18-4	Tetrachloroethene	0.50	U	1.0	0.50	0.29
108-88-3	Toluene	0.25	U	1.0	0.25	0.13
10061-02-6	trans-1,3-Dichloropropene	0.25	U	1.0	0.25	0.19
79-01-6	Trichloroethene	0.25	U	1.0	0.25	0.17
75-01-4	Vinyl chloride	0.25	U	1.0	0.25	0.22
1330-20-7	Xylenes, Total	0.75	U	2.0	0.75	0.28
67-66-3	Chloroform	0.25	U	1.0	0.25	0.16
74-97-5	Bromochloromethane	0.50	U	1.0	0.50	0.29
106-93-4	1,2-Dibromoethane	0.25	U	1.0	0.25	0.24
75-00-3	Chloroethane	0.50	U	1.0	0.50	0.29

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-69591/6

Matrix: Water Lab File ID: UXX1590.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/20/2012 13:05

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69591 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	95		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		70-120
460-00-4	4-Bromofluorobenzene (Surr)	91		75-120
1868-53-7	Dibromofluoromethane (Surr)	99		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121220-16059.b\UXX1590.D
Lims ID: MB Client ID:
Inject. Date: 20-Dec-2012 13:05:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0016059-006
Misc. Info.: P21220A,8260LLUX10,,1904 =P21220A,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 6
Lims Batch ID: 69591 Lims Sample ID: 6
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121220-16059.b\8260_10.m
Last Update: 21-Dec-2012 08:34:47 Calib Date: 14-Dec-2012 19:27:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK018

First Level Reviewer: quayler Date: 21-Dec-2012 07:40:21

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.216	5.204	0.012	100	2063755	10.0	
* 2 Chlorobenzene-d5	117	7.890	7.879	0.011	83	1478307	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.126	10.127	-0.001	92	841736	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.636	4.639	-0.003	59	478064	9.90	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.920	4.923	-0.003	0	515762	9.15	
$ 7 Toluene-d8 (Surr)	98	6.576	6.568	0.008	92	1819305	9.50	
$ 8 4-Bromofluorobenzene (Surr)	95	8.990	8.993	-0.003	97	613288	9.11	
143 1,3-Diethylbenzene TIC	1		0.000					
9 Benzyl chloride	126		0.000					
10 C6-C12	1		0.000					
11 C6-C10	1		0.000					
12 Dichlorodifluoromethane	85		1.562					
13 Chloromethane	50		1.693					
14 Vinyl chloride	62		1.799					
15 Chlorodifluoromethane TIC	1		1.900					
16 Bromomethane	94		2.095					
17 Chloroethane	64		2.178					
18 Dichlorofluoromethane	67		2.329					
19 Trichlorofluoromethane	101		2.391					
20 Ethyl ether	59		2.613					9
21 Acrolein	56		2.710					9
23 1,1-Dichloroethene	96		2.817					9
25 1,1,2-Trichloro-1,2,2-trifluoroe	151		2.829					
24 Acetone	43	2.825	2.829	-0.004	88	14174	0.2711	
22 Methylal	45		2.851					9
26 Iodomethane	142		2.947					
27 Carbon disulfide	76		3.006					
28 Acetonitrile	41		3.053					
30 Methyl acetate	43		3.101					9
29 3-Chloro-1-propene	76		3.110					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
31 Methylene Chloride	84		3.195					
32 2-Methyl-2-propanol	59		3.266					9
33 Acrylonitrile	53		3.385					
34 trans-1,2-Dichloroethene	96		3.432					
35 Methyl tert-butyl ether	73		3.432					
36 Hexane	86		3.669					
37 1,1-Dichloroethane	63		3.775					
38 Vinyl acetate	86		3.799					
39 Isopropyl ether	87		3.832					
40 2-Chloro-1,3-butadiene	53		3.856					
41 Tert-butyl ethyl ether	59		4.128					
43 cis-1,2-Dichloroethene	96		4.248					
42 2-Butanone (MEK)	43		4.248					
44 2,2-Dichloropropane	77		4.260					
45 Propionitrile	54		4.293					
46 Ethyl acetate	43		4.293					9
47 Methacrylonitrile	41		4.424					
48 Chlorobromomethane	128		4.450					
50 Chloroform	83		4.497					
49 Tetrahydrofuran	42		4.497					
51 1,1,1-Trichloroethane	97		4.686					
52 Cyclohexane	56		4.745					
53 1,1-Dichloropropene	75		4.816					
54 Carbon tetrachloride	117		4.828					
55 Isobutyl alcohol	41		4.850					
57 Benzene	78		4.982					
56 1,2-Dichloroethane	62		4.982					
58 Tert-amyl methyl ether	73		5.062					
59 n-Heptane	100		5.204					
60 n-Butanol	56		5.406					
61 Trichloroethene	130		5.526					
62 Ethyl acrylate	55		5.605					
64 1,2-Dichloropropane	63		5.704					
63 Methylcyclohexane	83		5.704					9
65 Methyl methacrylate	41		5.784					
66 Dibromomethane	93		5.810					
67 1,4-Dioxane	88		5.810					
68 Dichlorobromomethane	83		5.929					
69 2-Nitropropane	41		6.116					
70 2-Chloroethyl vinyl ether	63		6.177					
71 cis-1,3-Dichloropropene	75		6.319					
72 4-Methyl-2-pentanone (MIBK)	43		6.449					
73 Toluene	91		6.627					9
74 trans-1,3-Dichloropropene	75		6.804					
75 Ethyl methacrylate	69		6.875					
76 1,1,2-Trichloroethane	97		6.970					
77 1,3-Dichloropropane	76		7.124					
78 Tetrachloroethene	164		7.136					
79 2-Hexanone	43		7.183					
80 n-Butyl acetate	56		7.299					
81 Chlorodibromomethane	129		7.337					
82 Tetrahydrothiophene	60		7.346					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
83 Ethylene Dibromide	107		7.455					
84 1-Chlorohexane	91		7.779					
85 Chlorobenzene	112		7.905					9
86 1,1,1,2-Tetrachloroethane	131		7.976					
87 Ethylbenzene	106		8.011					9
88 m-Xylene & p-Xylene	106		8.118					9
89 o-Xylene	106		8.496					
90 Styrene	104		8.508					9
91 Bromoform	173		8.686					
92 Isopropylbenzene	105		8.851					9
93 1,4-Dichlorobutane	55		8.931					9
94 Cyclohexanone	55		8.932					9
95 1,1,2,2-Tetrachloroethane	83		9.112					
96 Bromobenzene	156		9.147					
97 1,2,3-Trichloropropane	110		9.159					
98 trans-1,4-Dichloro-2-butene	53		9.171					
99 N-Propylbenzene	120		9.242					
100 2-Chlorotoluene	126		9.337					
101 1,3,5-Trimethylbenzene	105		9.419					9
102 4-Chlorotoluene	126		9.443					
103 tert-Butylbenzene	119		9.739					9
104 1,2,4-Trimethylbenzene	105		9.786					9
105 sec-Butylbenzene	105		9.952					9
106 1,3-Dichlorobenzene	146		10.070					9
107 4-Isopropyltoluene	119		10.094					9
108 1,4-Dichlorobenzene	146		10.153					9
109 1,2,3-Trimethylbenzene	105		10.198					9
110 n-Butylbenzene	91		10.496					9
111 1,2-Dichlorobenzene	146		10.520					9
112 1,2-Dibromo-3-Chloropropane	157		11.289					
113 1,3,5-Trichlorobenzene	180		11.514					9
114 1,2,4-Trichlorobenzene	180		12.129					9
115 Hexachlorobutadiene	225	12.303	12.307	-0.004	20	6394	0.2397	
116 Naphthalene	128	12.374	12.378	-0.004	70	19964	0.1534	
117 1,2,3-Trichlorobenzene	180	12.623	12.626	-0.003	50	11382	0.2169	
118 2-Methylnaphthalene	142		13.689					9
S 119 Trihalomethanes, Total	1		0.000					7
S 120 1,2-Dichloroethene, Total	96		1.140					7
S 121 1,3-Dichloropropene, Total	75		6.760					7
S 122 Xylenes, Total	106		16.530					7
T 123 Butyl Methacrylate TIC	1		9.400					1
T 124 Hexachloroethane TIC	1		10.700					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

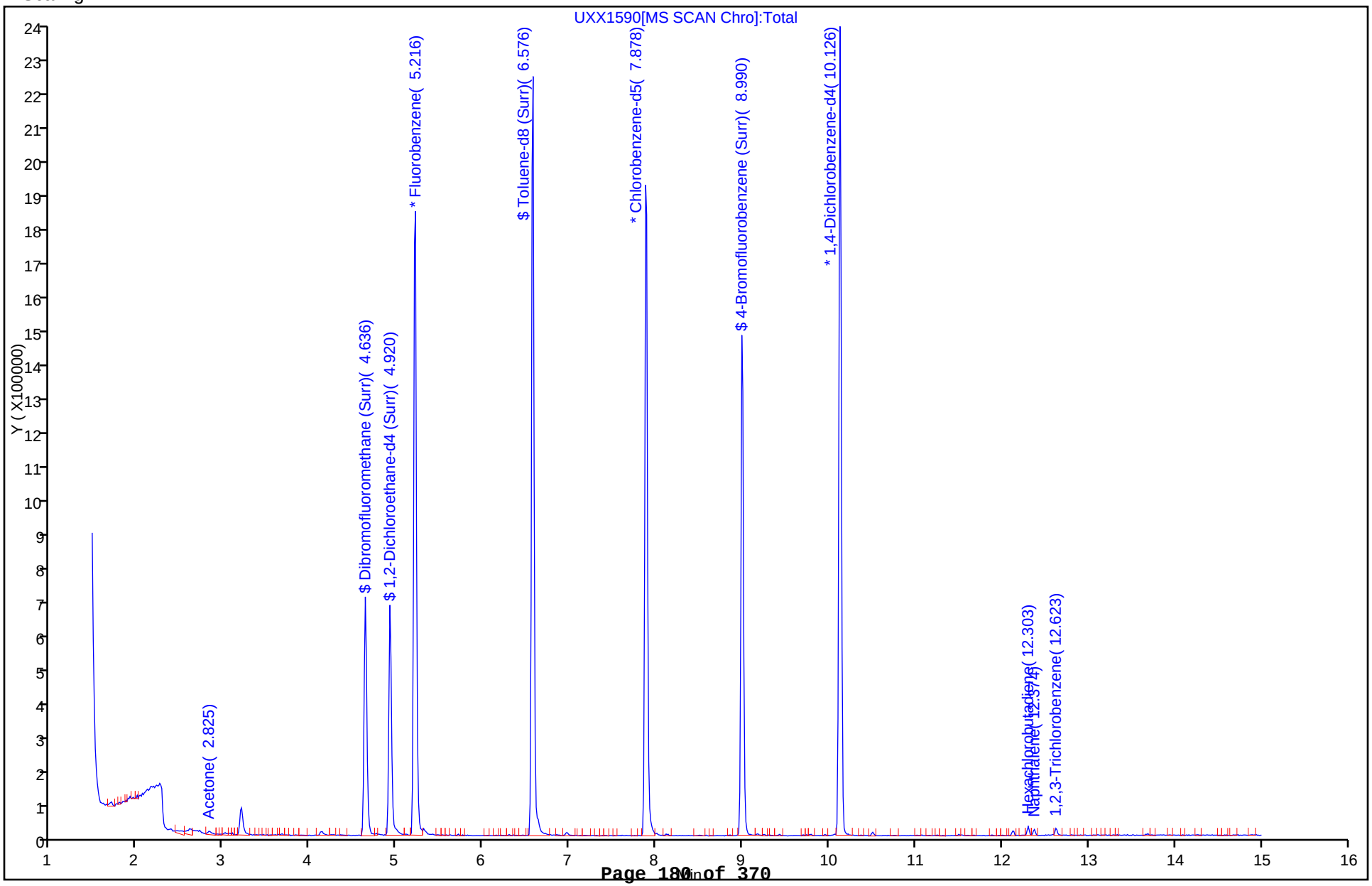
Report Date: 21-Dec-2012 08:34:51 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121220-16059.b\UXX1590.D

Injection Date:	20-Dec-2012 13:05:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	69591	Lims Sample ID:	6
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-69591/4

Matrix: Water | Lab File ID: UXX1588.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 12/20/2012 12:21

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 69591 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	9.73		1.0	0.25	0.22
79-34-5	1,1,2,2-Tetrachloroethane	8.20		1.0	0.25	0.18
79-00-5	1,1,2-Trichloroethane	9.41		1.0	0.50	0.27
75-34-3	1,1-Dichloroethane	9.80		1.0	0.25	0.15
75-35-4	1,1-Dichloroethene	9.70		1.0	0.25	0.19
107-06-2	1,2-Dichloroethane	9.38		1.0	0.25	0.22
540-59-0	1,2-Dichloroethene, Total	19.9		2.0	0.50	0.34
78-87-5	1,2-Dichloropropane	9.91		1.0	0.25	0.18
78-93-3	2-Butanone (MEK)	18.0		10	0.57	0.57
591-78-6	2-Hexanone	17.6		10	0.50	0.41
108-10-1	4-Methyl-2-pentanone (MIBK)	19.8		10	0.50	0.32
67-64-1	Acetone	20.6		10	1.1	1.1
71-43-2	Benzene	9.74		1.0	0.25	0.13
75-25-2	Bromoform	8.65		1.0	0.64	0.64
74-83-9	Bromomethane	8.59		1.0	0.50	0.41
75-15-0	Carbon disulfide	10.2		1.0	0.25	0.13
56-23-5	Carbon tetrachloride	9.96		1.0	0.25	0.13
108-90-7	Chlorobenzene	9.56		1.0	0.25	0.15
74-87-3	Chloromethane	8.62		1.0	0.50	0.30
10061-01-5	cis-1,3-Dichloropropene	9.52		1.0	0.25	0.14
124-48-1	Dibromochloromethane	9.25		1.0	0.25	0.18
75-27-4	Bromodichloromethane	9.81		1.0	0.25	0.15
100-41-4	Ethylbenzene	9.95		1.0	0.25	0.17
1634-04-4	Methyl tert-butyl ether	9.55		1.0	0.25	0.17
75-09-2	Methylene Chloride	9.92		1.0	0.50	0.33
100-42-5	Styrene	10.1		1.0	0.25	0.11
127-18-4	Tetrachloroethene	9.89		1.0	0.50	0.29
108-88-3	Toluene	9.48		1.0	0.25	0.13
10061-02-6	trans-1,3-Dichloropropene	8.78		1.0	0.25	0.19
79-01-6	Trichloroethene	10.2		1.0	0.25	0.17
75-01-4	Vinyl chloride	8.84		1.0	0.25	0.22
1330-20-7	Xylenes, Total	30.2		2.0	0.75	0.28
67-66-3	Chloroform	9.19		1.0	0.25	0.16
74-97-5	Bromochloromethane	9.74		1.0	0.50	0.29
106-93-4	1,2-Dibromoethane	9.16		1.0	0.25	0.24
75-00-3	Chloroethane	9.33		1.0	0.50	0.29

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-69591/4

Matrix: Water Lab File ID: UXX1588.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/20/2012 12:21

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69591 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		70-120
460-00-4	4-Bromofluorobenzene (Surr)	107		75-120
1868-53-7	Dibromofluoromethane (Surr)	98		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121220-16059.b\UXX1588.D
Lims ID: LCS Client ID:
Inject. Date: 20-Dec-2012 12:21:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0016059-004
Misc. Info.: P21220A,8260LLUX10,,1904 =P21220A,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 4
Lims Batch ID: 69591 Lims Sample ID: 4
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121220-16059.b\8260_10.m
Last Update: 21-Dec-2012 08:34:47 Calib Date: 14-Dec-2012 19:27:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK018

First Level Reviewer: quayler Date: 20-Dec-2012 12:42:00

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.207	5.204	0.003	99	2174437	10.0	
* 2 Chlorobenzene-d5	117	7.881	7.879	0.002	82	1587263	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.130	10.127	0.003	89	1025898	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.639	4.639	0.0	60	499548	9.82	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.923	4.923	0.0	0	537518	9.05	
$ 7 Toluene-d8 (Surr)	98	6.568	6.568	0.0	92	2006831	9.76	
$ 8 4-Bromofluorobenzene (Surr)	95	8.994	8.993	0.001	90	776333	10.7	
12 Dichlorodifluoromethane	85	1.563	1.562	0.001	86	341037	8.48	
13 Chloromethane	50	1.705	1.693	0.012	89	618636	8.62	
14 Vinyl chloride	62	1.799	1.799	0.0	97	630949	8.84	
16 Bromomethane	94	2.095	2.095	0.0	88	287829	8.59	
17 Chloroethane	64	2.178	2.178	0.0	98	388066	9.33	
19 Trichlorofluoromethane	101	2.403	2.391	0.012	98	574925	9.96	
20 Ethyl ether	59	2.616	2.613	0.003	89	436292	9.55	
21 Acrolein	56	2.711	2.710	0.0	90	137548	21.1	
23 1,1-Dichloroethene	96	2.817	2.817	0.0	96	534757	9.70	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.841	2.829	0.012	81	506673	11.8	
24 Acetone	43	2.829	2.829	0.0	58	269947	20.6	
26 Iodomethane	142	2.947	2.947	0.0	97	899048	10.3	
27 Carbon disulfide	76	3.018	3.006	0.012	98	1716991	10.2	
28 Acetonitrile	41	3.054	3.053	0.001	94	113918	29.3	
30 Methyl acetate	43	3.113	3.101	0.012	95	321969	7.91	
31 Methylene Chloride	84	3.196	3.195	0.001	80	643611	9.92	
32 2-Methyl-2-propanol	59	3.267	3.266	0.001	94	469871	187.9	
33 Acrylonitrile	53	3.385	3.385	0.0	99	511185	26.6	
34 trans-1,2-Dichloroethene	96	3.444	3.432	0.012	70	591856	9.91	
35 Methyl tert-butyl ether	73	3.432	3.432	0.0	89	1400634	9.55	
36 Hexane	86	3.669	3.669	0.0	91	126900	10.7	
37 1,1-Dichloroethane	63	3.775	3.775	0.0	85	966956	9.80	
38 Vinyl acetate	86	3.799	3.799	0.0	97	107604	12.8	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
39 Isopropyl ether	87	3.835	3.832	0.003	94	519657	10.5	
43 cis-1,2-Dichloroethene	96	4.249	4.248	0.001	80	633492	10.0	
42 2-Butanone (MEK)	43	4.249	4.248	0.001	94	358131	18.0	
44 2,2-Dichloropropane	77	4.261	4.260	0.001	89	532673	10.4	
48 Chlorobromomethane	128	4.450	4.450	0.0	86	303064	9.74	
50 Chloroform	83	4.509	4.497	0.012	80	915997	9.19	
49 Tetrahydrofuran	42	4.497	4.497	0.0	84	117375	8.46	
51 1,1,1-Trichloroethane	97	4.687	4.686	0.001	95	704760	9.73	
52 Cyclohexane	56	4.746	4.745	0.001	87	897464	9.88	
53 1,1-Dichloropropene	75	4.817	4.816	0.001	93	729744	9.96	
54 Carbon tetrachloride	117	4.829	4.828	0.001	83	628300	9.96	
55 Isobutyl alcohol	41	4.852	4.850	0.002	92	564202	429.1	
57 Benzene	78	4.982	4.982	0.0	94	2308891	9.74	
56 1,2-Dichloroethane	62	4.982	4.982	0.0	51	652124	9.38	
61 Trichloroethene	130	5.527	5.526	0.001	91	615691	10.2	
64 1,2-Dichloropropane	63	5.704	5.704	0.0	83	517794	9.91	
63 Methylcyclohexane	83	5.704	5.704	0.0	89	810301	10.2	
66 Dibromomethane	93	5.811	5.810	0.001	85	308827	9.93	
68 Dichlorobromomethane	83	5.929	5.929	0.0	94	634347	9.81	
70 2-Chloroethyl vinyl ether	63	6.178	6.177	0.001	90	250001	9.20	
71 cis-1,3-Dichloropropene	75	6.320	6.319	0.001	90	705729	9.52	
72 4-Methyl-2-pentanone (MIBK)	43	6.450	6.449	0.001	96	797777	19.8	
73 Toluene	91	6.627	6.627	0.0	98	2407469	9.48	
74 trans-1,3-Dichloropropene	75	6.805	6.804	0.001	87	590821	8.78	
76 1,1,2-Trichloroethane	97	6.970	6.970	0.0	84	463202	9.41	
77 1,3-Dichloropropane	76	7.124	7.124	0.0	91	784933	9.18	
78 Tetrachloroethene	164	7.136	7.136	0.0	91	513658	9.89	
79 2-Hexanone	43	7.183	7.183	0.0	96	494037	17.6	
81 Chlorodibromomethane	129	7.337	7.337	0.0	89	465433	9.25	
83 Ethylene Dibromide	107	7.455	7.455	0.0	98	443600	9.16	
85 Chlorobenzene	112	7.905	7.905	0.0	96	1596152	9.56	
86 1,1,1,2-Tetrachloroethane	131	7.976	7.976	0.0	83	542612	9.51	
87 Ethylbenzene	106	8.012	8.011	0.001	97	848644	9.95	
88 m-Xylene & p-Xylene	106	8.118	8.118	0.0	99	2163107	20.0	
89 o-Xylene	106	8.497	8.496	0.001	94	1062866	10.2	
90 Styrene	104	8.509	8.508	0.001	94	1727671	10.1	
91 Bromoform	173	8.686	8.686	0.0	99	283015	8.65	
92 Isopropylbenzene	105	8.852	8.851	0.001	94	2582702	10.2	
94 Cyclohexanone	55	8.935	8.932	0.003	80	976671	172.7	
95 1,1,2,2-Tetrachloroethane	83	9.112	9.112	0.0	81	599813	8.20	
96 Bromobenzene	156	9.148	9.147	0.001	89	721185	9.22	
97 1,2,3-Trichloropropane	110	9.159	9.159	0.0	74	202339	8.51	
98 trans-1,4-Dichloro-2-butene	53	9.171	9.171	0.0	75	178530	9.87	
99 N-Propylbenzene	120	9.242	9.242	0.0	97	746081	9.86	
100 2-Chlorotoluene	126	9.337	9.337	0.0	98	676889	9.44	
101 1,3,5-Trimethylbenzene	105	9.420	9.419	0.001	92	2147772	9.85	
102 4-Chlorotoluene	126	9.432	9.443	-0.011	98	728663	9.55	
103 tert-Butylbenzene	119	9.739	9.739	0.0	89	1989099	10.2	
104 1,2,4-Trimethylbenzene	105	9.787	9.786	0.001	97	2235426	9.98	
105 sec-Butylbenzene	105	9.952	9.952	0.0	92	2375019	9.74	
106 1,3-Dichlorobenzene	146	10.071	10.070	0.0	87	1361955	9.42	
107 4-Isopropyltoluene	119	10.094	10.094	0.0	93	2113757	10.2	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
108 1,4-Dichlorobenzene	146	10.153	10.153	0.0	94	1436433	9.16	
109 1,2,3-Trimethylbenzene	105	10.201	10.198	0.003	87	2198979	10.2	
110 n-Butylbenzene	91	10.496	10.496	0.0	97	1580446	9.53	
111 1,2-Dichlorobenzene	146	10.520	10.520	0.0	99	1307106	9.43	
112 1,2-Dibromo-3-Chloropropane	157	11.289	11.289	0.0	87	94824	8.69	
114 1,2,4-Trichlorobenzene	180	12.129	12.129	0.0	90	560140	8.57	
115 Hexachlorobutadiene	225	12.307	12.307	0.0	92	224233	6.90	
116 Naphthalene	128	12.378	12.378	0.0	100	1286477	8.11	
117 1,2,3-Trichlorobenzene	180	12.626	12.626	0.0	99	511074	7.99	
S 119 Trihalomethanes, Total	1				0		36.9	
S 120 1,2-Dichloroethene, Total	96				0		19.9	
S 122 Xylenes, Total	106				0		30.3	

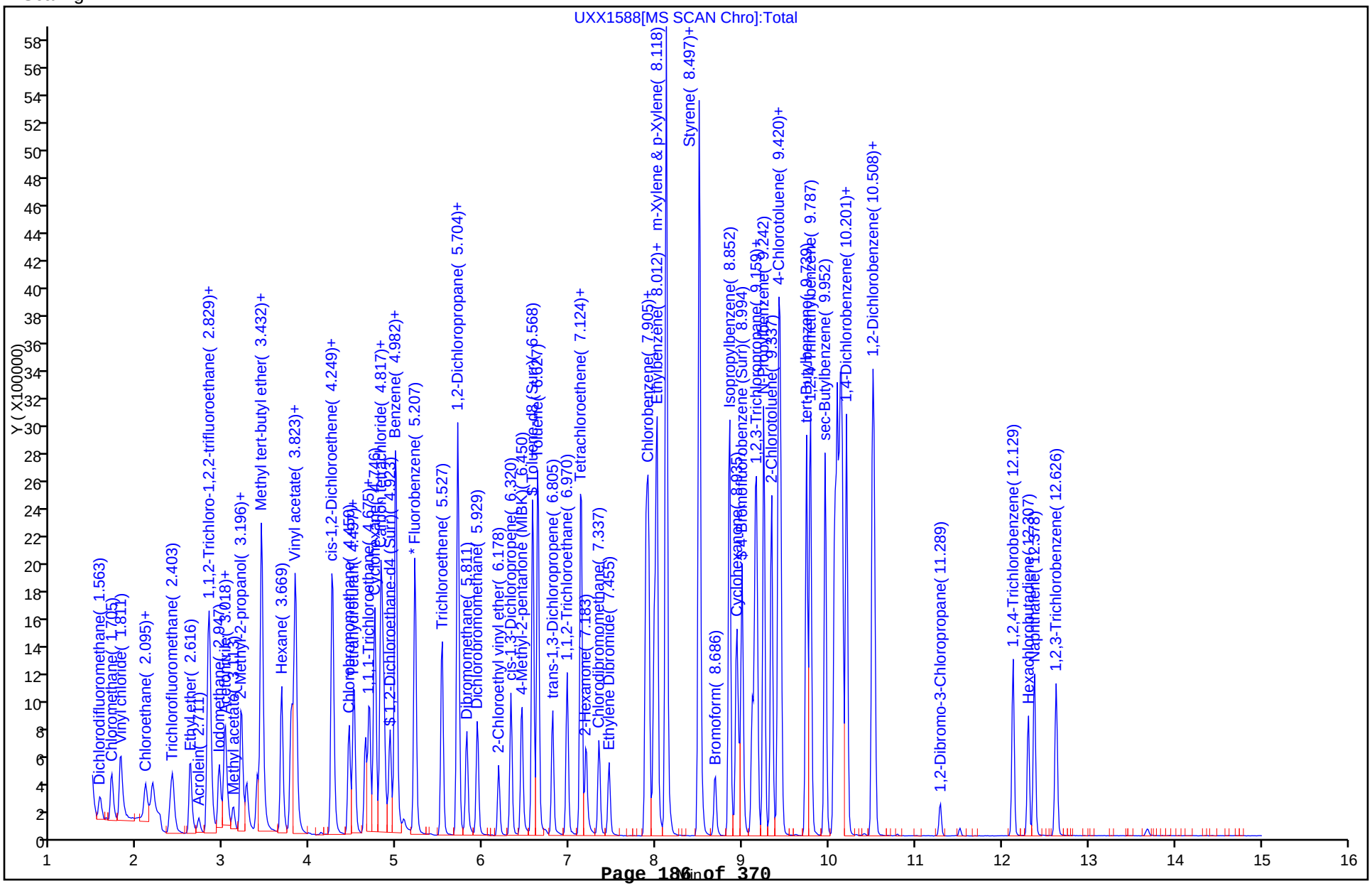
Report Date: 21-Dec-2012 08:34:49 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121220-16059.b\UXX1588.D

Injection Date:	20-Dec-2012 12:21:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	69591	Lims Sample ID:	4
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-69591/5

Matrix: Water | Lab File ID: UXX1589.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 12/20/2012 12:43

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 69591 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	0.000965	J	0.0010	0.00025	0.00022
79-34-5	1,1,2,2-Tetrachloroethane	0.000928	J	0.0010	0.00025	0.00018
79-00-5	1,1,2-Trichloroethane	0.000894	J	0.0010	0.00050	0.00027
75-34-3	1,1-Dichloroethane	0.000865	J	0.0010	0.00025	0.00015
75-35-4	1,1-Dichloroethene	0.000938	J	0.0010	0.00025	0.00019
107-06-2	1,2-Dichloroethane	0.000901	J	0.0010	0.00025	0.00022
540-59-0	1,2-Dichloroethene, Total	0.00185	J	0.0020	0.00050	0.00034
78-87-5	1,2-Dichloropropane	0.000908	J	0.0010	0.00025	0.00018
78-93-3	2-Butanone (MEK)	0.00922	J	0.010	0.00050	0.00057
591-78-6	2-Hexanone	0.00828	J	0.010	0.00050	0.00041
108-10-1	4-Methyl-2-pentanone (MIBK)	0.00899	J	0.010	0.00050	0.00032
67-64-1	Acetone	0.00910	J	0.010	0.0010	0.0011
71-43-2	Benzene	0.000979	J	0.0010	0.00025	0.00013
75-25-2	Bromoform	0.000679	J ^	0.0010	0.00050	0.00064
74-83-9	Bromomethane	0.00103		0.0010	0.00050	0.00041
75-15-0	Carbon disulfide	0.00102		0.0010	0.00025	0.00013
56-23-5	Carbon tetrachloride	0.000896	J	0.0010	0.00025	0.00013
108-90-7	Chlorobenzene	0.000910	J	0.0010	0.00025	0.00015
74-87-3	Chloromethane	0.000961	J	0.0010	0.00050	0.00030
10061-01-5	cis-1,3-Dichloropropene	0.000779	J	0.0010	0.00025	0.00014
124-48-1	Dibromochloromethane	0.000754	J	0.0010	0.00025	0.00018
75-27-4	Bromodichloromethane	0.000865	J	0.0010	0.00025	0.00015
100-41-4	Ethylbenzene	0.000799	J	0.0010	0.00025	0.00017
1634-04-4	Methyl tert-butyl ether	0.000889	J	0.0010	0.00025	0.00017
75-09-2	Methylene Chloride	0.00105		0.0010	0.00050	0.00033
100-42-5	Styrene	0.000737	J	0.0010	0.00025	0.00011
127-18-4	Tetrachloroethene	0.000980	J	0.0010	0.00050	0.00029
108-88-3	Toluene	0.000959	J	0.0010	0.00025	0.00013
10061-02-6	trans-1,3-Dichloropropene	0.000696	J	0.0010	0.00025	0.00019
79-01-6	Trichloroethene	0.000960	J	0.0010	0.00025	0.00017
75-01-4	Vinyl chloride	0.000959	J	0.0010	0.00025	0.00022
1330-20-7	Xylenes, Total	0.00253		0.0020	0.00075	0.00028
67-66-3	Chloroform	0.000918	J	0.0010	0.00025	0.00016
74-97-5	Bromochloromethane	0.000922	J	0.0010	0.00050	0.00029
106-93-4	1,2-Dibromoethane	0.000879	J	0.0010	0.00025	0.00024
75-00-3	Chloroethane	0.000981	J	0.0010	0.00050	0.00029

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-69591/5

Matrix: Water Lab File ID: UXX1589.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/20/2012 12:43

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69591 Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		50-150
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		50-150
460-00-4	4-Bromofluorobenzene (Surr)	97		50-150
1868-53-7	Dibromofluoromethane (Surr)	99		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121220-16059.b\UXX1589.D
Lims ID: MRL Client ID:
Inject. Date: 20-Dec-2012 12:43:30 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0016059-005
Misc. Info.: P21220A,8260LLUX10,,1904 =P21220A,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 5
Lims Batch ID: 69591 Lims Sample ID: 5
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121220-16059.b\8260_10.m
Last Update: 21-Dec-2012 08:34:47 Calib Date: 14-Dec-2012 19:27:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK018

First Level Reviewer: quayler Date: 20-Dec-2012 13:08:29

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.216	5.204	0.012	100	2138012	10.0	
* 2 Chlorobenzene-d5	117	7.878	7.879	-0.001	83	1551915	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.126	10.127	-0.001	93	954861	10.0	
$ 4 BFB	95	2.814	3.747	-0.933	0	885	0	
$ 5 Dibromofluoromethane (Surr)	113	4.636	4.639	-0.003	67	493227	9.86	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.920	4.923	-0.003	0	513998	8.80	
$ 7 Toluene-d8 (Surr)	98	6.576	6.568	0.008	92	1957734	9.74	
$ 8 4-Bromofluorobenzene (Surr)	95	8.990	8.993	-0.003	96	687972	9.73	
143 1,3-Diethylbenzene TIC	1		0.000					
9 Benzyl chloride	126		0.000					
10 C6-C12	1		0.000					
11 C6-C10	1		0.000					
12 Dichlorodifluoromethane	85	1.559	1.562	-0.003	89	41864	1.06	
13 Chloromethane	50	1.701	1.693	0.008	96	67847	0.9615	
14 Vinyl chloride	62	1.796	1.799	-0.003	82	67311	0.9590	
15 Chlorodifluoromethane TIC	1		1.900					
16 Bromomethane	94	2.092	2.095	-0.003	82	34056	1.03	
17 Chloroethane	64	2.175	2.178	-0.003	78	40135	0.9813	
18 Dichlorofluoromethane	67		2.329					
19 Trichlorofluoromethane	101	2.399	2.391	0.008	84	54357	0.9574	
20 Ethyl ether	59		2.613					9
21 Acrolein	56	2.707	2.710	-0.003	86	51028	7.96	
23 1,1-Dichloroethene	96	2.814	2.817	-0.003	94	50830	0.9381	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.837	2.829	0.008	70	49240	1.16	
24 Acetone	43	2.825	2.829	-0.004	99	123738	9.10	
22 Methylal	45		2.851					
26 Iodomethane	142	2.944	2.947	-0.003	93	86952	1.01	
27 Carbon disulfide	76	3.015	3.006	0.009	98	168643	1.02	
28 Acetonitrile	41	3.050	3.053	-0.003	97	41867	10.9	
30 Methyl acetate	43	3.109	3.101	0.008	87	71895	1.80	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
29 3-Chloro-1-propene	76		3.110					9
31 Methylene Chloride	84	3.204	3.195	0.009	82	114307	1.05	
32 2-Methyl-2-propanol	59	3.263	3.266	-0.003	92	46092	18.8	
33 Acrylonitrile	53	3.382	3.385	-0.003	73	30530	1.62	
34 trans-1,2-Dichloroethene	96	3.441	3.432	0.009	73	54866	0.9345	
35 Methyl tert-butyl ether	73	3.429	3.432	-0.003	89	128228	0.8894	
36 Hexane	86	3.666	3.669	-0.003	88	11828	1.01	
37 1,1-Dichloroethane	63	3.772	3.775	-0.003	81	83940	0.8648	
38 Vinyl acetate	86	3.808	3.799	0.009	96	6146	0.7413	
39 Isopropyl ether	87		3.832					9
40 2-Chloro-1,3-butadiene	53		3.856					
41 Tert-butyl ethyl ether	59		4.128					
43 cis-1,2-Dichloroethene	96	4.245	4.248	-0.003	76	56876	0.9140	
42 2-Butanone (MEK)	43	4.245	4.248	-0.003	98	180601	9.22	
44 2,2-Dichloropropane	77	4.257	4.260	-0.003	91	50343	1.00	
45 Propionitrile	54		4.293					
46 Ethyl acetate	43	4.245	4.293	-0.048	65	180601	4.96	
47 Methacrylonitrile	41		4.424					9
48 Chlorobromomethane	128	4.447	4.450	-0.003	78	28202	0.9215	
50 Chloroform	83	4.506	4.497	0.009	68	89974	0.9176	
49 Tetrahydrofuran	42	4.506	4.497	0.009	27	12159	0.8911	
51 1,1,1-Trichloroethane	97	4.683	4.686	-0.003	88	68718	0.9653	
52 Cyclohexane	56	4.742	4.745	-0.003	87	86382	0.9669	
53 1,1-Dichloropropene	75	4.813	4.816	-0.003	90	67429	0.9357	
54 Carbon tetrachloride	117	4.825	4.828	-0.003	83	55557	0.8958	
55 Isobutyl alcohol	41		4.850					9
57 Benzene	78	4.991	4.982	0.009	92	228105	0.9787	
56 1,2-Dichloroethane	62	4.979	4.982	-0.003	40	61594	0.9009	
58 Tert-amyl methyl ether	73		5.062					9
59 n-Heptane	100		5.204					
60 n-Butanol	56		5.406					
61 Trichloroethene	130	5.523	5.526	-0.003	89	57121	0.9601	
62 Ethyl acrylate	55		5.605					9
64 1,2-Dichloropropane	63	5.713	5.704	0.009	75	46646	0.9078	
63 Methylcyclohexane	83	5.701	5.704	-0.003	87	75198	0.9601	
65 Methyl methacrylate	41		5.784					9
66 Dibromomethane	93	5.807	5.810	-0.003	76	28714	0.9394	
67 1,4-Dioxane	88	5.807	5.810	-0.003	1	8854	28.4	
68 Dichlorobromomethane	83	5.926	5.929	-0.003	88	54976	0.8650	
69 2-Nitropropane	41		6.116					9
70 2-Chloroethyl vinyl ether	63	6.174	6.177	-0.003	82	37874	1.42	
71 cis-1,3-Dichloropropene	75	6.316	6.319	-0.003	72	56790	0.7790	
72 4-Methyl-2-pentanone (MIBK)	43	6.446	6.449	-0.003	96	355851	8.99	
73 Toluene	91	6.636	6.627	0.009	96	238051	0.9591	
74 trans-1,3-Dichloropropene	75	6.801	6.804	-0.003	84	45810	0.6964	
75 Ethyl methacrylate	69	6.872	6.875	-0.003	78	39885	1.07	
76 1,1,2-Trichloroethane	97	6.967	6.970	-0.003	83	43018	0.8937	
77 1,3-Dichloropropane	76	7.121	7.124	-0.003	81	71261	0.8524	
78 Tetrachloroethene	164	7.133	7.136	-0.003	95	49746	0.9795	
79 2-Hexanone	43	7.192	7.183	0.009	95	226888	8.28	
80 n-Butyl acetate	56		7.299					
81 Chlorodibromomethane	129	7.334	7.337	-0.003	72	37124	0.7542	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
82 Tetrahydrothiophene	60		7.346					
83 Ethylene Dibromide	107	7.452	7.455	-0.003	83	41604	0.8786	
84 1-Chlorohexane	91		7.779					
85 Chlorobenzene	112	7.914	7.905	0.009	95	148512	0.9099	
86 1,1,1,2-Tetrachloroethane	131	7.985	7.976	0.009	78	44541	0.7984	
87 Ethylbenzene	106	8.008	8.011	-0.003	97	66579	0.7986	
88 m-Xylene & p-Xylene	106	8.115	8.118	-0.003	99	174991	1.66	
89 o-Xylene	106	8.493	8.496	-0.003	89	88176	0.8691	
90 Styrene	104	8.505	8.508	-0.003	90	122925	0.7373	
91 Bromoform	173	8.683	8.686	-0.003	86	21725	0.6790	
92 Isopropylbenzene	105	8.848	8.851	-0.003	92	194741	0.7895	
93 1,4-Dichlorobutane	55		8.931					9
94 Cyclohexanone	55	8.931	8.932	-0.001	75	40990	7.79	
95 1,1,2,2-Tetrachloroethane	83	9.109	9.112	-0.003	89	63165	0.9280	
96 Bromobenzene	156	9.144	9.147	-0.003	90	69296	0.9516	
97 1,2,3-Trichloropropane	110	9.168	9.159	0.009	67	17678	0.7988	
98 trans-1,4-Dichloro-2-butene	53	9.168	9.171	-0.003	50	5890	0.3500	
99 N-Propylbenzene	120	9.251	9.242	0.009	95	59683	0.8472	
100 2-Chlorotoluene	126	9.334	9.337	-0.003	95	58261	0.8734	
101 1,3,5-Trimethylbenzene	105	9.416	9.419	-0.003	90	171518	0.8449	
102 4-Chlorotoluene	126	9.440	9.443	-0.003	95	60799	0.8560	
103 tert-Butylbenzene	119	9.736	9.739	-0.003	86	156898	0.8634	
104 1,2,4-Trimethylbenzene	105	9.783	9.786	-0.003	69	166600	0.7989	
105 sec-Butylbenzene	105	9.949	9.952	-0.003	88	193405	0.8524	
106 1,3-Dichlorobenzene	146	10.067	10.070	-0.003	93	137849	1.02	
107 4-Isopropyltoluene	119	10.091	10.094	-0.003	91	158478	0.8196	
108 1,4-Dichlorobenzene	146	10.150	10.153	-0.003	90	143479	0.9834	
109 1,2,3-Trimethylbenzene	105		10.198					9
110 n-Butylbenzene	91	10.505	10.496	0.009	93	144577	0.9363	
111 1,2-Dichlorobenzene	146	10.517	10.520	-0.003	96	134010	1.04	
112 1,2-Dibromo-3-Chloropropane	157	11.286	11.289	-0.003	43	11620	1.14	
113 1,3,5-Trichlorobenzene	180	11.511	11.514	-0.003	89	65149	0.9237	
114 1,2,4-Trichlorobenzene	180	12.126	12.129	-0.003	87	89017	1.46	
115 Hexachlorobutadiene	225	12.304	12.307	-0.003	87	50706	1.68	
116 Naphthalene	128	12.375	12.378	-0.003	100	216255	1.46	
117 1,2,3-Trichlorobenzene	180	12.623	12.626	-0.003	96	98373	1.65	
118 2-Methylnaphthalene	142	13.676	13.689	-0.013	52	8991	0.1366	
S 119 Trihalomethanes, Total	1				0		3.22	
S 120 1,2-Dichloroethene, Total	96				0		1.85	
S 121 1,3-Dichloropropene, Total	75				0		1.48	
S 122 Xylenes, Total	106				0		2.53	
T 123 Butyl Methacrylate TIC	1		9.400					1
T 124 Hexachloroethane TIC	1		10.700					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
9 - Failed A Reference Spectral Test

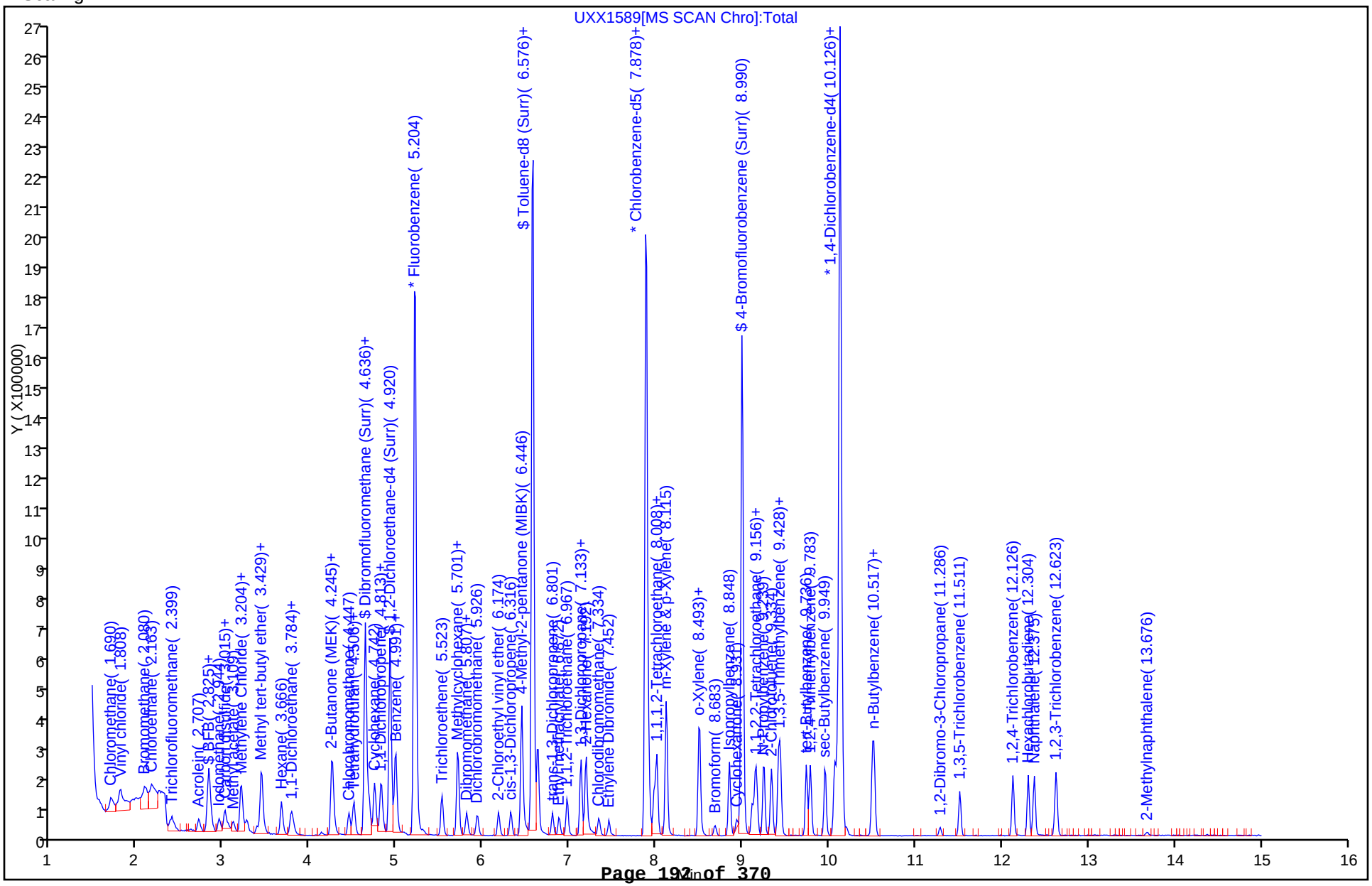
Report Date: 21-Dec-2012 08:34:50 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121220-16059.b\UXX1589.D

Injection Date:	20-Dec-2012 12:43:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	69591	Lims Sample ID:	5
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-69591/18

Matrix: Water | Lab File ID: UXX1602.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 12/20/2012 17:42

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 69591 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	0.000975	J	0.0010	0.00025	0.00022
79-34-5	1,1,2,2-Tetrachloroethane	0.000914	J	0.0010	0.00025	0.00018
79-00-5	1,1,2-Trichloroethane	0.000955	J	0.0010	0.00050	0.00027
75-34-3	1,1-Dichloroethane	0.000967	J	0.0010	0.00025	0.00015
75-35-4	1,1-Dichloroethene	0.000977	J	0.0010	0.00025	0.00019
107-06-2	1,2-Dichloroethane	0.00101		0.0010	0.00025	0.00022
540-59-0	1,2-Dichloroethene, Total	0.00193	J	0.0020	0.00050	0.00034
78-87-5	1,2-Dichloropropane	0.000992	J	0.0010	0.00025	0.00018
78-93-3	2-Butanone (MEK)	0.00903	J	0.010	0.00050	0.00057
591-78-6	2-Hexanone	0.00856	J	0.010	0.00050	0.00041
108-10-1	4-Methyl-2-pentanone (MIBK)	0.00853	J	0.010	0.00050	0.00032
67-64-1	Acetone	0.00944	J	0.010	0.0010	0.0011
71-43-2	Benzene	0.00101		0.0010	0.00025	0.00013
75-25-2	Bromoform	0.000816	J	0.0010	0.00050	0.00064
74-83-9	Bromomethane	0.00119		0.0010	0.00050	0.00041
75-15-0	Carbon disulfide	0.00103		0.0010	0.00025	0.00013
56-23-5	Carbon tetrachloride	0.000881	J	0.0010	0.00025	0.00013
108-90-7	Chlorobenzene	0.000975	J	0.0010	0.00025	0.00015
74-87-3	Chloromethane	0.00109		0.0010	0.00050	0.00030
10061-01-5	cis-1,3-Dichloropropene	0.000806	J	0.0010	0.00025	0.00014
124-48-1	Dibromochloromethane	0.000871	J	0.0010	0.00025	0.00018
75-27-4	Bromodichloromethane	0.000940	J	0.0010	0.00025	0.00015
100-41-4	Ethylbenzene	0.000912	J	0.0010	0.00025	0.00017
1634-04-4	Methyl tert-butyl ether	0.000923	J	0.0010	0.00025	0.00017
75-09-2	Methylene Chloride	0.000617	J ^	0.0010	0.00050	0.00033
100-42-5	Styrene	0.000787	J	0.0010	0.00025	0.00011
127-18-4	Tetrachloroethene	0.000921	J	0.0010	0.00050	0.00029
108-88-3	Toluene	0.00100		0.0010	0.00025	0.00013
10061-02-6	trans-1,3-Dichloropropene	0.000735	J	0.0010	0.00025	0.00019
79-01-6	Trichloroethene	0.00104		0.0010	0.00025	0.00017
75-01-4	Vinyl chloride	0.00107		0.0010	0.00025	0.00022
1330-20-7	Xylenes, Total	0.00250		0.0020	0.00075	0.00028
67-66-3	Chloroform	0.000952	J	0.0010	0.00025	0.00016
74-97-5	Bromochloromethane	0.00106		0.0010	0.00050	0.00029
106-93-4	1,2-Dibromoethane	0.000923	J	0.0010	0.00025	0.00024
75-00-3	Chloroethane	0.00118		0.0010	0.00050	0.00029

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-69591/18

Matrix: Water Lab File ID: UXX1602.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/20/2012 17:42

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69591 Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		50-150
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		50-150
460-00-4	4-Bromofluorobenzene (Surr)	101		50-150
1868-53-7	Dibromofluoromethane (Surr)	98		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121220-16059.b\UXX1602.D
Lims ID: MRL Client ID:
Inject. Date: 20-Dec-2012 17:42:30 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0016059-018
Misc. Info.: P21220A,8260LLUX10,,1904 =P21220A,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 18
Lims Batch ID: 69591 Lims Sample ID: 18
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121220-16059.b\8260_10.m
Last Update: 21-Dec-2012 08:34:47 Calib Date: 14-Dec-2012 19:27:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK018

First Level Reviewer: quayler Date: 21-Dec-2012 07:44:55

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.216	5.204	0.012	100	2120462	10.0	
* 2 Chlorobenzene-d5	117	7.890	7.879	0.011	81	1482662	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.126	10.127	-0.001	92	945938	10.0	
$ 4 BFB	95	3.441	3.747	-0.306	0	2055	0	
$ 5 Dibromofluoromethane (Surr)	113	4.636	4.639	-0.003	66	487920	9.83	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.920	4.923	-0.003	0	534959	9.23	
$ 7 Toluene-d8 (Surr)	98	6.576	6.568	0.008	92	1907042	9.93	
$ 8 4-Bromofluorobenzene (Surr)	95	8.990	8.993	-0.003	96	681672	10.1	
143 1,3-Diethylbenzene TIC	1		0.000					
9 Benzyl chloride	126		0.000					
10 C6-C12	1		0.000					
11 C6-C10	1		0.000					
12 Dichlorodifluoromethane	85	1.571	1.562	0.009	73	37093	0.9462	
13 Chloromethane	50	1.701	1.693	0.008	95	76414	1.09	
14 Vinyl chloride	62	1.796	1.799	-0.003	70	74777	1.07	
15 Chlorodifluoromethane TIC	1		1.900					
16 Bromomethane	94	2.080	2.095	-0.015	81	38738	1.19	
17 Chloroethane	64	2.175	2.178	-0.003	78	47890	1.18	
18 Dichlorofluoromethane	67		2.329					9
19 Trichlorofluoromethane	101	2.399	2.391	0.008	83	59816	1.06	
20 Ethyl ether	59		2.613					
21 Acrolein	56	2.707	2.710	-0.003	85	51690	8.13	
23 1,1-Dichloroethene	96	2.814	2.817	-0.003	84	52495	0.9768	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.837	2.829	0.008	52	34730	0.8276	
24 Acetone	43	2.837	2.829	0.008	97	126858	9.44	
22 Methylal	45		2.851					9
26 Iodomethane	142	2.944	2.947	-0.003	96	87838	1.03	
27 Carbon disulfide	76	3.015	3.006	0.009	100	169047	1.03	
28 Acetonitrile	41	3.050	3.053	-0.003	92	50761	13.4	
30 Methyl acetate	43	3.109	3.101	0.008	95	78638	1.98	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
29 3-Chloro-1-propene	76		3.110					9
31 Methylene Chloride	84	3.204	3.195	0.009	86	88473	0.6172	
32 2-Methyl-2-propanol	59	3.263	3.266	-0.003	91	51158	21.0	
33 Acrylonitrile	53	3.393	3.385	0.008	91	35851	1.92	
34 trans-1,2-Dichloroethene	96	3.441	3.432	0.009	72	56757	0.9748	
35 Methyl tert-butyl ether	73	3.441	3.432	0.009	88	131917	0.9225	
36 Hexane	86	3.677	3.669	0.008	84	8088	0.6981	
37 1,1-Dichloroethane	63	3.772	3.775	-0.003	89	93111	0.9672	
38 Vinyl acetate	86	3.808	3.799	0.009	96	6210	0.7553	
39 Isopropyl ether	87	3.831	3.832	-0.001	86	9834	0.2029	
40 2-Chloro-1,3-butadiene	53		3.856					9
41 Tert-butyl ethyl ether	59		4.128					9
43 cis-1,2-Dichloroethene	96	4.257	4.248	0.009	76	58942	0.9551	
42 2-Butanone (MEK)	43	4.245	4.248	-0.003	100	175543	9.03	
44 2,2-Dichloropropane	77	4.257	4.260	-0.003	83	48086	0.9605	
45 Propionitrile	54		4.293					
46 Ethyl acetate	43	4.245	4.293	-0.048	82	183005	5.06	
47 Methacrylonitrile	41		4.424					9
48 Chlorobromomethane	128	4.446	4.450	-0.004	76	32247	1.06	
50 Chloroform	83	4.506	4.497	0.009	64	92598	0.9522	
49 Tetrahydrofuran	42	4.494	4.497	-0.003	30	11326	0.8369	
51 1,1,1-Trichloroethane	97	4.683	4.686	-0.003	90	68843	0.9751	
52 Cyclohexane	56	4.742	4.745	-0.003	85	66181	0.7469	
53 1,1-Dichloropropene	75	4.813	4.816	-0.003	90	65870	0.9216	
54 Carbon tetrachloride	117	4.825	4.828	-0.003	78	54219	0.8815	
55 Isobutyl alcohol	41		4.850					9
57 Benzene	78	4.991	4.982	0.009	92	234239	1.01	
56 1,2-Dichloroethane	62	4.991	4.982	0.009	48	68171	1.01	
58 Tert-amyl methyl ether	73		5.062					
59 n-Heptane	100		5.204					
60 n-Butanol	56		5.406					9
61 Trichloroethene	130	5.523	5.526	-0.003	87	61512	1.04	
62 Ethyl acrylate	55		5.605					9
64 1,2-Dichloropropane	63	5.701	5.704	-0.003	79	50576	0.99	
63 Methylcyclohexane	83	5.701	5.704	-0.003	82	53943	0.6944	
65 Methyl methacrylate	41		5.784					9
66 Dibromomethane	93	5.807	5.810	-0.003	84	28887	0.9529	
67 1,4-Dioxane	88	5.819	5.810	0.009	19	11533	37.2	
68 Dichlorobromomethane	83	5.926	5.929	-0.003	91	59230	0.9396	
69 2-Nitropropane	41		6.116					9
70 2-Chloroethyl vinyl ether	63	6.174	6.177	-0.003	82	37799	1.43	
71 cis-1,3-Dichloropropene	75	6.316	6.319	-0.003	72	58287	0.8062	
72 4-Methyl-2-pentanone (MIBK)	43	6.446	6.449	-0.003	95	334561	8.53	
73 Toluene	91	6.636	6.627	0.009	91	237457	1.00	
74 trans-1,3-Dichloropropene	75	6.801	6.804	-0.003	86	46213	0.7353	
75 Ethyl methacrylate	69	6.872	6.875	-0.003	79	40788	1.12	
76 1,1,2-Trichloroethane	97	6.967	6.970	-0.003	83	43923	0.9552	
77 1,3-Dichloropropane	76	7.121	7.124	-0.003	82	70543	0.8833	
78 Tetrachloroethene	164	7.133	7.136	-0.003	91	44686	0.9210	
79 2-Hexanone	43	7.192	7.183	0.009	97	224026	8.56	
80 n-Butyl acetate	56		7.299					9
81 Chlorodibromomethane	129	7.334	7.337	-0.003	74	40953	0.8709	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
82 Tetrahydrothiophene	60		7.346					
83 Ethylene Dibromide	107	7.452	7.455	-0.003	83	41744	0.9228	
84 1-Chlorohexane	91		7.779					9
85 Chlorobenzene	112	7.913	7.905	0.008	96	152063	0.9751	
86 1,1,1,2-Tetrachloroethane	131	7.984	7.976	0.008	79	46796	0.8780	
87 Ethylbenzene	106	8.008	8.011	-0.003	96	72678	0.9125	
88 m-Xylene & p-Xylene	106	8.115	8.118	-0.003	98	166058	1.65	
89 o-Xylene	106	8.493	8.496	-0.003	90	82028	0.8463	
90 Styrene	104	8.505	8.508	-0.003	90	125346	0.7869	
91 Bromoform	173	8.683	8.686	-0.003	86	24939	0.8159	
92 Isopropylbenzene	105	8.848	8.851	-0.003	92	189686	0.8050	
93 1,4-Dichlorobutane	55		8.931					9
94 Cyclohexanone	55		8.932					9
95 1,1,2,2-Tetrachloroethane	83	9.109	9.112	-0.003	85	61619	0.9138	
96 Bromobenzene	156	9.144	9.147	-0.003	87	68632	0.9514	
97 1,2,3-Trichloropropane	110	9.168	9.159	0.009	65	18716	0.8537	
98 trans-1,4-Dichloro-2-butene	53	9.168	9.171	-0.003	64	9721	0.5830	
99 N-Propylbenzene	120	9.251	9.242	0.009	96	58328	0.8358	
100 2-Chlorotoluene	126	9.333	9.337	-0.004	96	57686	0.8729	
101 1,3,5-Trimethylbenzene	105	9.416	9.419	-0.003	92	156485	0.7781	
102 4-Chlorotoluene	126	9.440	9.443	-0.003	97	65539	0.9314	
103 tert-Butylbenzene	119	9.736	9.739	-0.003	88	153279	0.8514	
104 1,2,4-Trimethylbenzene	105	9.783	9.786	-0.003	93	163342	0.7907	
105 sec-Butylbenzene	105	9.961	9.952	0.009	85	175510	0.7808	
106 1,3-Dichlorobenzene	146	10.067	10.070	-0.003	94	131158	0.9843	
107 4-Isopropyltoluene	119	10.091	10.094	-0.003	92	155604	0.8124	
108 1,4-Dichlorobenzene	146	10.150	10.153	-0.003	77	150002	1.04	
109 1,2,3-Trimethylbenzene	105		10.198					9
110 n-Butylbenzene	91	10.505	10.496	0.009	93	124237	0.8121	
111 1,2-Dichlorobenzene	146	10.529	10.520	0.009	95	128416	1.00	
112 1,2-Dibromo-3-Chloropropane	157	11.286	11.289	-0.003	36	9289	0.9228	
113 1,3,5-Trichlorobenzene	180	11.511	11.514	-0.003	90	64288	0.9201	
114 1,2,4-Trichlorobenzene	180	12.126	12.129	-0.003	85	78451	1.30	
115 Hexachlorobutadiene	225	12.303	12.307	-0.004	85	47228	1.58	
116 Naphthalene	128	12.374	12.378	-0.004	100	181925	1.24	
117 1,2,3-Trichlorobenzene	180	12.623	12.626	-0.003	98	89001	1.51	
118 2-Methylnaphthalene	142		13.689					
S 119 Trihalomethanes, Total	1				0		3.58	
S 120 1,2-Dichloroethene, Total	96				0		1.93	
S 121 1,3-Dichloropropene, Total	75				0		1.54	
S 122 Xylenes, Total	106				0		2.49	
T 123 Butyl Methacrylate TIC	1		9.400					1
T 124 Hexachloroethane TIC	1		10.700					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
9 - Failed A Reference Spectral Test

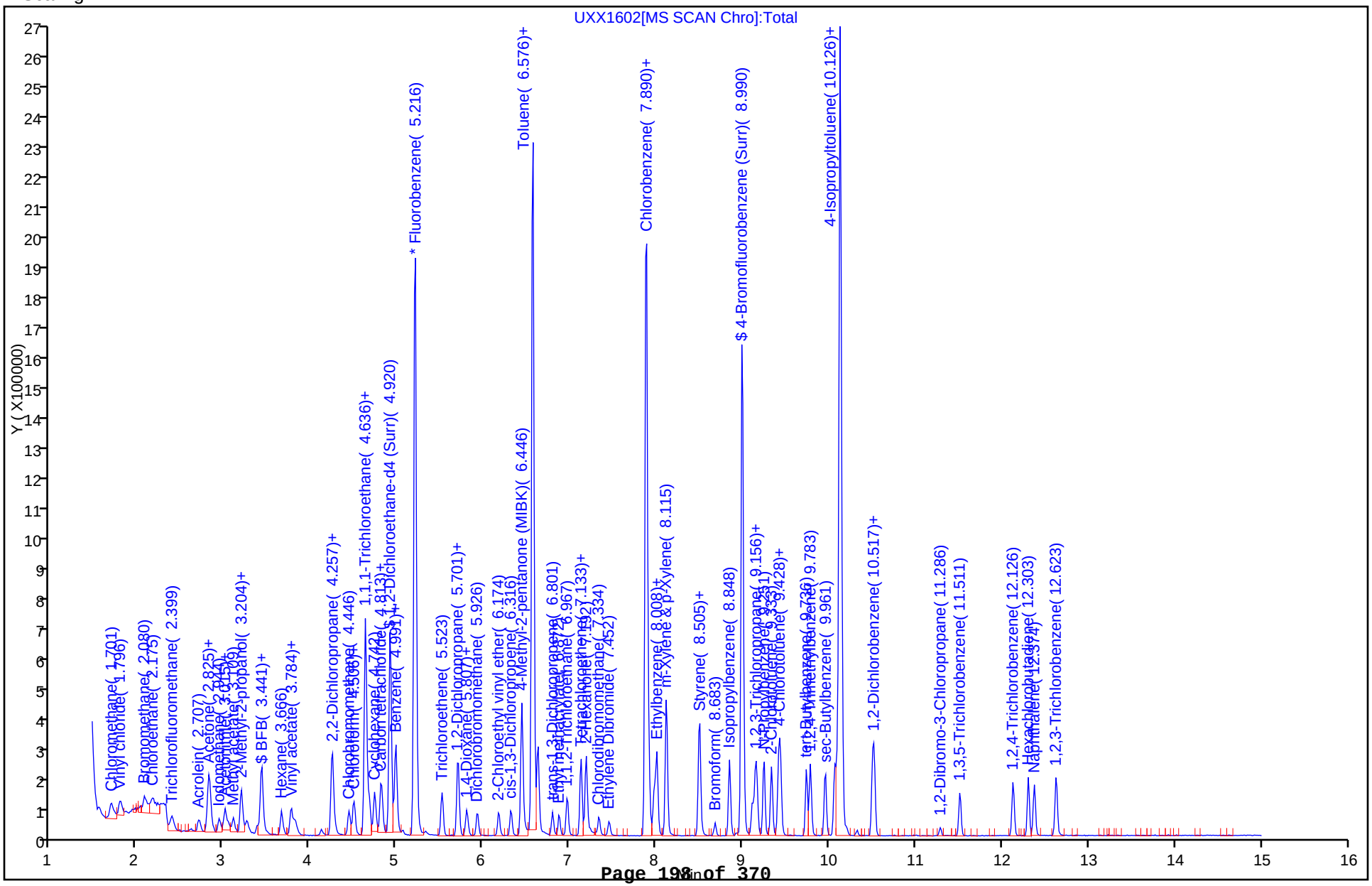
Report Date: 21-Dec-2012 08:54:33 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121220-16059.b\UXX1602.D

Injection Date:	20-Dec-2012 17:42:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	69591	Lims Sample ID:	18
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-1

SDG No.:

Client Sample ID: 070-0058-0001-IDW MS | Lab Sample ID: 240-18735-5 MS

Matrix: Solid (TCLP) | Lab File ID: UXX1990.D

Analysis Method: 8260B/DoD | Date Collected: 12/12/2012 13:30

Sample wt/vol: 0.2(mL) | Date Analyzed: 01/02/2013 16:24

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 70888 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
75-35-4	1,1-Dichloroethene	0.259		0.025	0.013	0.0095
107-06-2	1,2-Dichloroethane	0.255		0.025	0.013	0.011
78-93-3	2-Butanone (MEK)	0.496		0.25	0.025	0.029
71-43-2	Benzene	0.257		0.025	0.013	0.0065
56-23-5	Carbon tetrachloride	0.265		0.025	0.013	0.0065
108-90-7	Chlorobenzene	0.247		0.025	0.013	0.0075
127-18-4	Tetrachloroethene	0.248		0.025	0.025	0.015
79-01-6	Trichloroethene	0.271		0.025	0.013	0.0085
75-01-4	Vinyl chloride	0.238		0.025	0.013	0.011
67-66-3	Chloroform	0.256		0.025	0.013	0.0080

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		90-115
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		80-121
460-00-4	4-Bromofluorobenzene (Surr)	103		70-124
1868-53-7	Dibromofluoromethane (Surr)	103		84-128

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130102-16347.b\UXX1990.D
Lims ID: 240-18735-C-5-A MS Client ID:
Inject. Date: 02-Jan-2013 16:24:30 Dil. Factor: 1.0000
Sample Type: MS
Sample ID: 240-0016347-008
Misc. Info.: P30102A,8260LLUX10,,1904 =P30102A,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 7
Lims Batch ID: 70888 Lims Sample ID: 8
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20130102-16347.b\8260_10.m
Last Update: 03-Jan-2013 07:29:20 Calib Date: 14-Dec-2012 19:27:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK036

First Level Reviewer: quayler Date: 03-Jan-2013 07:20:36

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.207	5.205	0.002	100	2031037	10.0	
* 2 Chlorobenzene-d5	117	7.881	7.879	0.002	81	1506111	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.129	10.127	0.002	89	898671	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.627	4.625	0.002	59	491118	10.3	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.911	4.921	-0.010	0	553462	9.97	
$ 7 Toluene-d8 (Surr)	98	6.567	6.565	0.002	93	1930084	9.90	
$ 8 4-Bromofluorobenzene (Surr)	95	8.993	8.991	0.002	96	707764	10.3	
11 C6-C10	1		0.000					
10 C6-C12	1		0.000					
9 Benzyl chloride	126		0.000					
143 1,3-Diethylbenzene TIC	1		0.000					
12 Dichlorodifluoromethane	85	1.562	1.560	0.002	87	418655	11.1	
13 Chloromethane	50	1.680	1.690	-0.010	89	626087	9.34	
14 Vinyl chloride	62	1.787	1.797	-0.010	83	635871	9.54	
15 Chlorodifluoromethane TIC	1		1.900					
16 Bromomethane	94	2.071	2.081	-0.010	89	273708	8.75	
17 Chloroethane	64	2.154	2.163	-0.009	99	377305	9.71	
18 Dichlorofluoromethane	67		2.329					9
19 Trichlorofluoromethane	101	2.379	2.388	-0.010	97	577937	10.7	
20 Ethyl ether	59	2.591	2.601	-0.010	90	456384	10.7	
21 Acrolein	56		2.696					
23 1,1-Dichloroethene	96	2.804	2.802	0.002	88	532509	10.3	
24 Acetone	43	2.828	2.826	0.002	93	273911	22.4	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.816	2.826	-0.010	88	463764	11.5	
22 Methylal	45		2.851					9
26 Iodomethane	142	2.935	2.933	0.002	97	910927	11.1	
27 Carbon disulfide	76	3.006	3.004	0.002	99	1665062	10.6	
28 Acetonitrile	41		3.051					9
29 3-Chloro-1-propene	76		3.098					9
30 Methyl acetate	43	3.100	3.098	0.002	97	345757	9.09	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
31 Methylene Chloride	84	3.195	3.193	0.002	83	610417	10.1	
32 2-Methyl-2-propanol	59	3.254	3.264	-0.010	94	588741	252.1	
33 Acrylonitrile	53		3.382					9
34 trans-1,2-Dichloroethene	96	3.432	3.430	0.002	71	584061	10.5	
35 Methyl tert-butyl ether	73	3.420	3.430	-0.010	91	1322797	9.66	
36 Hexane	86	3.656	3.666	-0.010	91	111921	10.1	
37 1,1-Dichloroethane	63	3.763	3.773	-0.010	85	950172	10.3	
38 Vinyl acetate	86	3.798	3.796	0.002	97	106091	13.5	
39 Isopropyl ether	87	3.822	3.819	0.003	95	483808	10.4	
40 2-Chloro-1,3-butadiene	53		3.855					9
41 Tert-butyl ethyl ether	59		4.115					
42 2-Butanone (MEK)	43	4.236	4.234	0.002	58	369532	19.8	
43 cis-1,2-Dichloroethene	96	4.248	4.246	0.002	80	609803	10.3	
44 2,2-Dichloropropane	77	4.248	4.258	-0.010	76	510254	10.6	
45 Propionitrile	54		4.281					
46 Ethyl acetate	43		4.293					9
47 Methacrylonitrile	41		4.411					9
48 Chlorobromomethane	128	4.437	4.435	0.002	92	292406	10.1	
49 Tetrahydrofuran	42	4.485	4.495	-0.010	94	120560	9.30	
50 Chloroform	83	4.497	4.495	0.002	80	953738	10.2	
51 1,1,1-Trichloroethane	97	4.674	4.672	0.002	91	707932	10.5	
52 Cyclohexane	56	4.733	4.743	-0.010	88	823185	9.70	
53 1,1-Dichloropropene	75	4.804	4.814	-0.010	94	721499	10.5	
54 Carbon tetrachloride	117	4.816	4.826	-0.010	93	625591	10.6	
55 Isobutyl alcohol	41	4.852	4.849	0.003	94	710796	569.8	
56 1,2-Dichloroethane	62	4.982	4.980	0.002	45	662452	10.2	
57 Benzene	78	4.982	4.980	0.002	95	2276906	10.3	
58 Tert-amyl methyl ether	73		5.062					9
59 n-Heptane	100		5.204					
60 n-Butanol	56		5.405					
61 Trichloroethene	130	5.514	5.524	-0.010	96	613463	10.9	
62 Ethyl acrylate	55	5.704	5.605	0.099	68	549073	0	
63 Methylcyclohexane	83	5.704	5.702	0.002	86	750294	10.1	
64 1,2-Dichloropropane	63	5.704	5.702	0.002	77	505972	10.4	
65 Methyl methacrylate	41		5.784					9
66 Dibromomethane	93	5.798	5.808	-0.010	90	325405	11.2	
67 1,4-Dioxane	88		5.808					19
68 Dichlorobromomethane	83	5.928	5.926	0.002	99	643967	10.7	
69 2-Nitropropane	41		6.115					
70 2-Chloroethyl vinyl ether	63	6.177	6.175	0.002	92	222087	8.75	
71 cis-1,3-Dichloropropene	75	6.319	6.317	0.002	90	689848	9.96	
72 4-Methyl-2-pentanone (MIBK)	43	6.437	6.447	-0.010	96	747321	19.9	
73 Toluene	91	6.626	6.624	0.002	97	2365491	9.82	
74 trans-1,3-Dichloropropene	75	6.792	6.802	-0.010	88	597970	9.37	
75 Ethyl methacrylate	69		6.873					9
76 1,1,2-Trichloroethane	97	6.970	6.968	0.002	89	457165	9.79	
77 1,3-Dichloropropane	76	7.123	7.121	0.002	90	760152	9.37	
78 Tetrachloroethene	164	7.123	7.133	-0.010	89	488809	9.92	
79 2-Hexanone	43	7.183	7.181	0.002	96	528737	19.9	
80 n-Butyl acetate	56	7.289	7.298	-0.009	83	6393	0	
81 Chlorodibromomethane	129	7.336	7.334	0.002	88	467280	9.78	
82 Tetrahydrothiophene	60		7.346					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
83 Ethylene Dibromide	107	7.455	7.453	0.002	98	432202	9.41	
84 1-Chlorohexane	91		7.779					9
85 Chlorobenzene	112	7.904	7.914	-0.010	94	1565375	9.88	
86 1,1,1,2-Tetrachloroethane	131	7.975	7.973	0.002	90	543213	10.0	
87 Ethylbenzene	106	8.011	8.009	0.002	97	817482	10.1	
88 m-Xylene & p-Xylene	106	8.117	8.115	0.002	99	2122375	20.7	
89 o-Xylene	106	8.496	8.494	0.002	89	1009145	10.2	
90 Styrene	104	8.496	8.506	-0.010	91	1716163	10.6	
91 Bromoform	173	8.674	8.683	-0.009	98	290046	9.34	
92 Isopropylbenzene	105	8.851	8.849	0.002	94	2429904	10.2	
93 1,4-Dichlorobutane	55		8.931					9
94 Cyclohexanone	55	8.922	8.931	-0.009	86	220640	44.5	
95 1,1,2,2-Tetrachloroethane	83	9.111	9.109	0.002	94	586253	9.15	
96 Bromobenzene	156	9.147	9.145	0.002	89	701151	10.2	
97 1,2,3-Trichloropropane	110	9.159	9.157	0.002	72	200343	9.62	
98 trans-1,4-Dichloro-2-butene	53	9.171	9.169	0.003	78	265736	16.8	
99 N-Propylbenzene	120	9.242	9.240	0.002	98	713922	10.8	
100 2-Chlorotoluene	126	9.336	9.334	0.002	97	636645	10.1	
101 1,3,5-Trimethylbenzene	105	9.407	9.417	-0.010	94	1975131	10.3	
102 4-Chlorotoluene	126	9.431	9.441	-0.010	98	677642	10.1	
103 tert-Butylbenzene	119	9.739	9.736	0.002	80	1558338	9.11	
104 1,2,4-Trimethylbenzene	105	9.786	9.784	0.002	70	2013522	10.3	
105 sec-Butylbenzene	105	9.951	9.949	0.002	93	2160586	10.1	
106 1,3-Dichlorobenzene	146	10.058	10.068	-0.010	96	1224594	9.67	
107 4-Isopropyltoluene	119	10.093	10.091	0.002	92	1897498	10.4	
108 1,4-Dichlorobenzene	146	10.153	10.151	0.002	95	1282000	9.34	
109 1,2,3-Trimethylbenzene	105	10.200	10.197	0.003	89	1975165	10.4	
110 n-Butylbenzene	91	10.496	10.506	-0.010	94	1365958	9.40	
111 1,2-Dichlorobenzene	146	10.519	10.517	0.002	98	1123176	9.25	
112 1,2-Dibromo-3-Chloropropane	157	11.289	11.287	0.002	84	80663	8.43	
113 1,3,5-Trichlorobenzene	180		11.511					
114 1,2,4-Trichlorobenzene	180	12.129	12.127	0.002	93	405739	7.09	
115 Hexachlorobutadiene	225	12.306	12.304	0.002	92	176185	6.19	
116 Naphthalene	128	12.377	12.375	0.002	100	813452	5.85	
117 1,2,3-Trichlorobenzene	180	12.626	12.624	0.002	99	347829	6.21	
118 2-Methylnaphthalene	142		13.688					
S 119 Trihalomethanes, Total	1				0		40.0	
S 120 1,2-Dichloroethene, Total	96				0		20.8	
S 121 1,3-Dichloropropene, Total	75				0		19.3	
S 122 Xylenes, Total	106				0		31.0	
T 123 Butyl Methacrylate TIC	1		9.400					1
T 124 Hexachloroethane TIC	1		10.700					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
9 - Failed A Reference Spectral Test

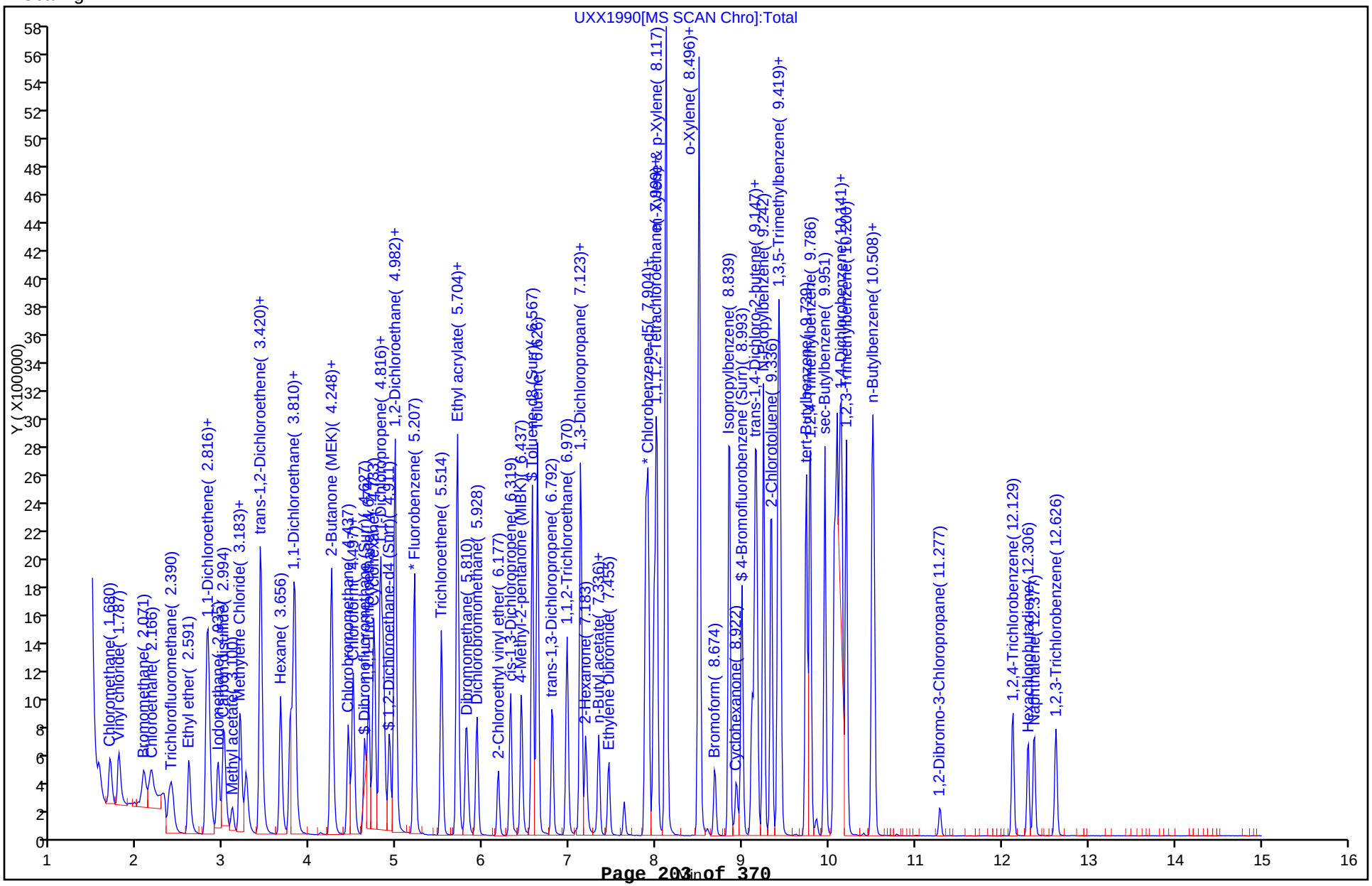
Report Date: 03-Jan-2013 07:29:23 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130102-16347.b\UXX1990.D

Injection Date:	02-Jan-2013 16:24:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	70888	Lims Sample ID:	8
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Client Sample ID: 070-0058-0001-IDW MSD Lab Sample ID: 240-18735-5 MSD

Matrix: Solid (TCLP) Lab File ID: UXX1991.D

Analysis Method: 8260B/DoD Date Collected: 12/12/2012 13:30

Sample wt/vol: 0.2(mL) Date Analyzed: 01/02/2013 16:46

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70888 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
75-35-4	1,1-Dichloroethene	0.263		0.025	0.013	0.0095
107-06-2	1,2-Dichloroethane	0.257		0.025	0.013	0.011
78-93-3	2-Butanone (MEK)	0.486		0.25	0.025	0.029
71-43-2	Benzene	0.256		0.025	0.013	0.0065
56-23-5	Carbon tetrachloride	0.274		0.025	0.013	0.0065
108-90-7	Chlorobenzene	0.248		0.025	0.013	0.0075
127-18-4	Tetrachloroethene	0.255		0.025	0.025	0.015
79-01-6	Trichloroethene	0.270		0.025	0.013	0.0085
75-01-4	Vinyl chloride	0.233		0.025	0.013	0.011
67-66-3	Chloroform	0.250		0.025	0.013	0.0080

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		90-115
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		80-121
460-00-4	4-Bromofluorobenzene (Surr)	100		70-124
1868-53-7	Dibromofluoromethane (Surr)	101		84-128

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130102-16347.b\UXX1991.D
Lims ID: 240-18735-C-5-A MSD Client ID:
Inject. Date: 02-Jan-2013 16:46:30 Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: 240-0016347-009
Misc. Info.: P30102A,8260LLUX10,,1904 =P30102A,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 8
Lims Batch ID: 70888 Lims Sample ID: 9
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20130102-16347.b\8260_10.m
Last Update: 03-Jan-2013 07:29:20 Calib Date: 14-Dec-2012 19:27:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK036

First Level Reviewer: quayler Date: 03-Jan-2013 07:20:19

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.206	5.205	0.001	100	2079591	10.0	
* 2 Chlorobenzene-d5	117	7.880	7.879	0.001	82	1540302	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.129	10.127	0.002	89	883234	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.626	4.625	0.001	57	493703	10.1	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.910	4.921	-0.011	0	532927	9.38	
$ 7 Toluene-d8 (Surr)	98	6.567	6.565	0.002	92	1951887	9.79	
$ 8 4-Bromofluorobenzene (Surr)	95	8.993	8.991	0.002	94	699583	9.97	
11 C6-C10	1		0.000					
10 C6-C12	1		0.000					
9 Benzyl chloride	126		0.000					
143 1,3-Diethylbenzene TIC	1		0.000					
12 Dichlorodifluoromethane	85	1.562	1.560	0.002	96	442401	11.5	
13 Chloromethane	50	1.680	1.690	-0.010	89	666628	9.71	
14 Vinyl chloride	62	1.786	1.797	-0.011	97	636023	9.32	
15 Chlorodifluoromethane TIC	1		1.900					
16 Bromomethane	94	2.070	2.081	-0.011	91	284280	8.87	
17 Chloroethane	64	2.153	2.163	-0.010	94	376971	9.48	
18 Dichlorofluoromethane	67		2.329					9
19 Trichlorofluoromethane	101	2.378	2.388	-0.010	97	594116	10.8	
20 Ethyl ether	59	2.591	2.601	-0.010	90	450279	10.3	
21 Acrolein	56		2.696					
23 1,1-Dichloroethene	96	2.804	2.802	0.002	90	554996	10.5	
24 Acetone	43	2.816	2.826	-0.010	61	268446	21.4	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.816	2.826	-0.010	88	471048	11.4	
22 Methylal	45		2.851					9
26 Iodomethane	142	2.934	2.933	0.001	96	941096	11.2	
27 Carbon disulfide	76	3.005	3.004	0.001	99	1724547	10.7	
28 Acetonitrile	41		3.051					9
29 3-Chloro-1-propene	76		3.098					9
30 Methyl acetate	43	3.100	3.098	0.002	97	337468	8.67	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
31 Methylene Chloride	84	3.195	3.193	0.001	88	622099	10.0	
32 2-Methyl-2-propanol	59	3.254	3.264	-0.010	93	581932	243.4	
33 Acrylonitrile	53		3.382					9
34 trans-1,2-Dichloroethene	96	3.431	3.430	0.001	70	609501	10.7	
35 Methyl tert-butyl ether	73	3.419	3.430	-0.011	90	1347863	9.61	
36 Hexane	86	3.656	3.666	-0.010	92	121098	10.7	
37 1,1-Dichloroethane	63	3.762	3.773	-0.011	97	958064	10.1	
38 Vinyl acetate	86	3.798	3.796	0.002	97	106060	13.2	
39 Isopropyl ether	87	3.822	3.819	0.003	95	501591	10.6	
40 2-Chloro-1,3-butadiene	53		3.855					9
41 Tert-butyl ethyl ether	59		4.115					9
42 2-Butanone (MEK)	43	4.236	4.234	0.002	58	370592	19.4	
43 cis-1,2-Dichloroethene	96	4.248	4.246	0.002	81	623214	10.3	
44 2,2-Dichloropropane	77	4.248	4.258	-0.010	89	527490	10.7	
45 Propionitrile	54		4.281					
46 Ethyl acetate	43		4.293					9
47 Methacrylonitrile	41		4.411					9
48 Chlorobromomethane	128	4.437	4.435	0.002	92	313417	10.5	
49 Tetrahydrofuran	42	4.484	4.495	-0.011	86	122188	9.21	
50 Chloroform	83	4.496	4.495	0.001	80	954834	10.0	
51 1,1,1-Trichloroethane	97	4.674	4.672	0.002	92	734494	10.6	
52 Cyclohexane	56	4.733	4.743	-0.010	88	851224	9.80	
53 1,1-Dichloropropene	75	4.804	4.814	-0.010	95	719358	10.3	
54 Carbon tetrachloride	117	4.816	4.826	-0.010	88	661478	11.0	
55 Isobutyl alcohol	41	4.851	4.849	0.002	94	708013	554.9	
56 1,2-Dichloroethane	62	4.981	4.980	0.001	51	684551	10.3	
57 Benzene	78	4.981	4.980	0.001	94	2322539	10.2	
58 Tert-amyl methyl ether	73		5.062					9
59 n-Heptane	100		5.204					
60 n-Butanol	56		5.405					
61 Trichloroethene	130	5.514	5.524	-0.010	96	625681	10.8	
62 Ethyl acrylate	55	5.703	5.605	0.098	54	574955	0	
63 Methylcyclohexane	83	5.703	5.702	0.001	87	803334	10.5	
64 1,2-Dichloropropane	63	5.703	5.702	0.001	79	506894	10.1	
65 Methyl methacrylate	41		5.784					9
66 Dibromomethane	93	5.798	5.808	-0.010	84	316907	10.7	
67 1,4-Dioxane	88	5.810	5.808	0.002	3	1152	3.79	
68 Dichlorobromomethane	83	5.928	5.926	0.002	100	660539	10.7	
69 2-Nitropropane	41		6.115					9
70 2-Chloroethyl vinyl ether	63	6.176	6.175	0.001	89	237959	9.16	
71 cis-1,3-Dichloropropene	75	6.318	6.317	0.001	89	695868	9.81	
72 4-Methyl-2-pentanone (MIBK)	43	6.437	6.447	-0.010	96	750138	19.5	
73 Toluene	91	6.626	6.624	0.002	96	2440001	9.91	
74 trans-1,3-Dichloropropene	75	6.804	6.802	0.002	92	614811	9.42	
75 Ethyl methacrylate	69		6.873					9
76 1,1,2-Trichloroethane	97	6.969	6.968	0.001	83	465651	9.75	
77 1,3-Dichloropropane	76	7.123	7.121	0.002	93	774663	9.34	
78 Tetrachloroethene	164	7.135	7.133	0.002	95	513235	10.2	
79 2-Hexanone	43	7.182	7.181	0.001	95	537441	19.8	
80 n-Butyl acetate	56	7.300	7.298	0.002	80	7046	0	
81 Chlorodibromomethane	129	7.336	7.334	0.002	87	467737	9.57	
82 Tetrahydrothiophene	60		7.346					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
83 Ethylene Dibromide	107	7.454	7.453	0.001	98	434374	9.24	
84 1-Chlorohexane	91		7.779					9
85 Chlorobenzene	112	7.904	7.914	-0.010	95	1606792	9.92	
86 1,1,1,2-Tetrachloroethane	131	7.975	7.973	0.002	83	561812	10.1	
87 Ethylbenzene	106	8.010	8.009	0.001	97	842422	10.2	
88 m-Xylene & p-Xylene	106	8.117	8.115	0.002	99	2183707	20.9	
89 o-Xylene	106	8.496	8.494	0.002	88	1043360	10.4	
90 Styrene	104	8.507	8.506	0.001	94	1768678	10.7	
91 Bromoform	173	8.673	8.683	-0.010	99	294215	9.27	
92 Isopropylbenzene	105	8.851	8.849	0.002	94	2503807	10.2	
93 1,4-Dichlorobutane	55		8.931					9
94 Cyclohexanone	55	8.933	8.931	0.002	81	211532	43.4	
95 1,1,2,2-Tetrachloroethane	83	9.111	9.109	0.002	90	577093	9.17	
96 Bromobenzene	156	9.146	9.145	0.001	88	718342	10.7	
97 1,2,3-Trichloropropane	110	9.158	9.157	0.001	73	193825	9.47	
98 trans-1,4-Dichloro-2-butene	53	9.170	9.169	0.002	77	263281	16.9	
99 N-Propylbenzene	120	9.241	9.240	0.001	97	734497	11.3	
100 2-Chlorotoluene	126	9.336	9.334	0.002	97	647005	10.5	
101 1,3,5-Trimethylbenzene	105	9.419	9.417	0.002	94	2012878	10.7	
102 4-Chlorotoluene	126	9.430	9.441	-0.011	98	704658	10.7	
103 tert-Butylbenzene	119	9.738	9.736	0.002	80	1682125	10.0	
104 1,2,4-Trimethylbenzene	105	9.785	9.784	0.001	70	2066298	10.7	
105 sec-Butylbenzene	105	9.951	9.949	0.002	93	2171220	10.3	
106 1,3-Dichlorobenzene	146	10.069	10.068	0.001	82	1245588	10.0	
107 4-Isopropyltoluene	119	10.093	10.091	0.002	93	1928533	10.8	
108 1,4-Dichlorobenzene	146	10.152	10.151	0.001	94	1319568	9.78	
109 1,2,3-Trimethylbenzene	105	10.200	10.197	0.003	87	1985279	10.7	
110 n-Butylbenzene	91	10.495	10.506	-0.011	95	1414226	9.90	
111 1,2-Dichlorobenzene	146	10.519	10.517	0.002	97	1160965	9.72	
112 1,2-Dibromo-3-Chloropropane	157	11.288	11.287	0.001	83	79931	8.50	
113 1,3,5-Trichlorobenzene	180		11.511					
114 1,2,4-Trichlorobenzene	180	12.128	12.127	0.001	92	451618	8.03	
115 Hexachlorobutadiene	225	12.306	12.304	0.002	91	200045	7.15	
116 Naphthalene	128	12.377	12.375	0.002	100	980549	7.18	
117 1,2,3-Trichlorobenzene	180	12.625	12.624	0.001	99	420820	7.64	
118 2-Methylnaphthalene	142		13.688					
S 119 Trihalomethanes, Total	1				0		39.5	
S 120 1,2-Dichloroethene, Total	96				0		21.0	
S 121 1,3-Dichloropropene, Total	75				0		19.2	
S 122 Xylenes, Total	106				0		31.2	
T 123 Butyl Methacrylate TIC	1		9.400					1
T 124 Hexachloroethane TIC	1		10.700					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
9 - Failed A Reference Spectral Test

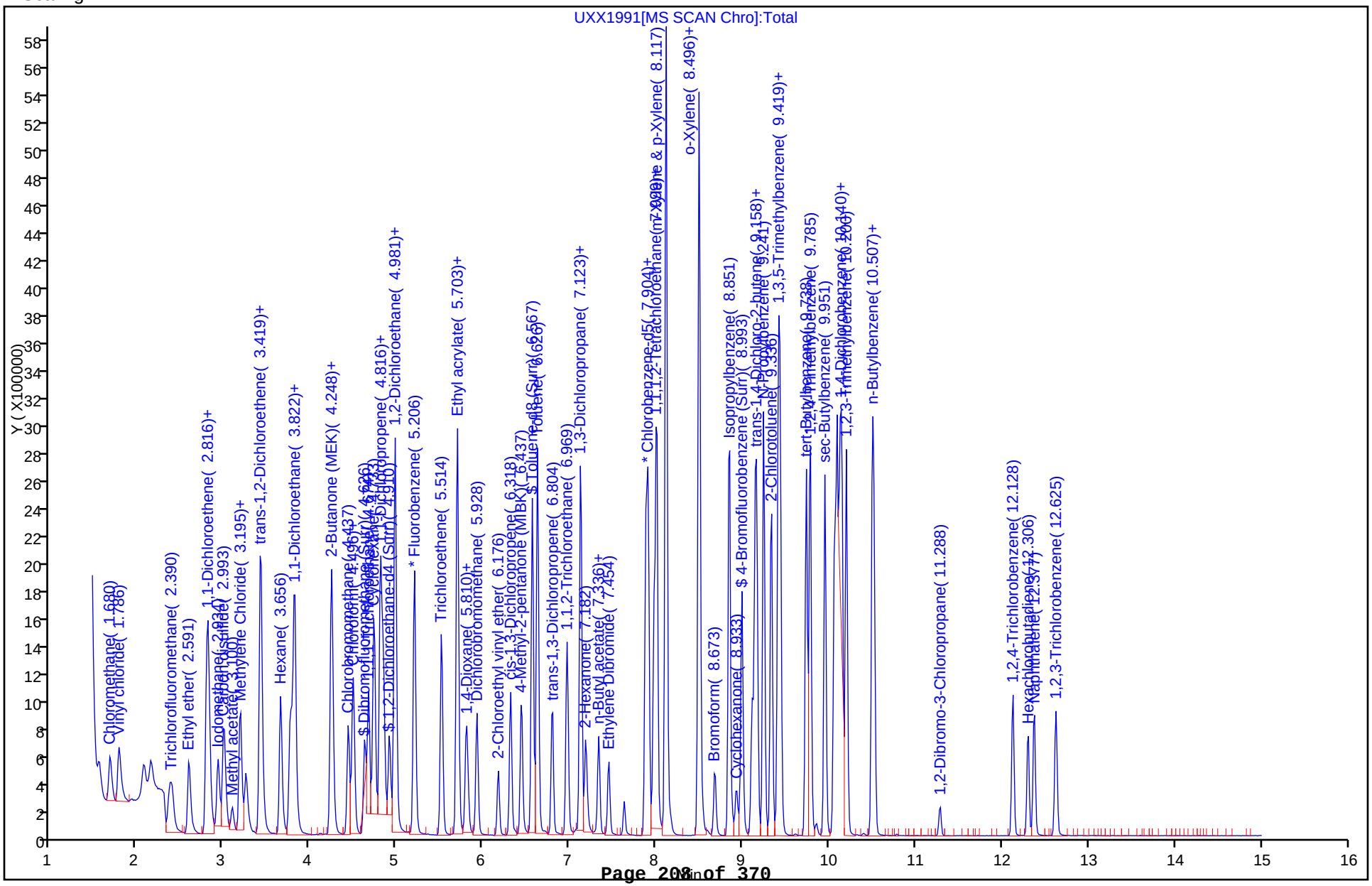
Report Date: 03-Jan-2013 07:29:24 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130102-16347.b\UXX1991.D

Injection Date:	02-Jan-2013 16:46:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	70888	Lims Sample ID:	9
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Instrument ID: A3UX10 Start Date: 12/14/2012 15:04

Analysis Batch Number: 68811 End Date: 12/14/2012 19:48

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-68811/1		12/14/2012 15:04	1	BFB5078.D	DB-624 0.18(mm)
STD8260 240-68811/2 IC		12/14/2012 15:32	1	UXX1400.D	DB-624 0.18(mm)
STD8260 240-68811/3 IC		12/14/2012 15:53	1	UXX1401.D	DB-624 0.18(mm)
STD8260 240-68811/4 ICIS		12/14/2012 16:15	1	UXX1402.D	DB-624 0.18(mm)
STD8260 240-68811/5 IC		12/14/2012 16:36	1	UXX1403.D	DB-624 0.18(mm)
STD8260 240-68811/6 IC		12/14/2012 16:57	1	UXX1404.D	DB-624 0.18(mm)
STD8260 240-68811/7 IC		12/14/2012 17:19	1	UXX1405.D	DB-624 0.18(mm)
STDA9 240-68811/8 IC		12/14/2012 17:40	1		DB-624 0.18(mm)
STDA9 240-68811/9 IC		12/14/2012 18:01	1		DB-624 0.18(mm)
STDA9 240-68811/10 IC		12/14/2012 18:23	1		DB-624 0.18(mm)
STDA9 240-68811/11 IC		12/14/2012 18:44	1		DB-624 0.18(mm)
STDA9 240-68811/12 IC		12/14/2012 19:05	1		DB-624 0.18(mm)
STDA9 240-68811/13 IC		12/14/2012 19:27	1		DB-624 0.18(mm)
ICV 240-68811/14		12/14/2012 19:48	1	UXX1412.D	DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Instrument ID: A3UX10 Start Date: 12/20/2012 10:51

Analysis Batch Number: 69591 End Date: 12/20/2012 18:04

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-69591/1		12/20/2012 10:51	1	BFB5089.D	DB-624 0.18(mm)
CCV 240-69591/2		12/20/2012 11:59	1	UXX1587.D	DB-624 0.18(mm)
LCS 240-69591/4		12/20/2012 12:21	1	UXX1588.D	DB-624 0.18(mm)
MRL 240-69591/5		12/20/2012 12:43	1	UXX1589.D	DB-624 0.18(mm)
MB 240-69591/6		12/20/2012 13:05	1	UXX1590.D	DB-624 0.18(mm)
ZZZZZ		12/20/2012 13:42	1		DB-624 0.18(mm)
ZZZZZ		12/20/2012 14:04	1		DB-624 0.18(mm)
ZZZZZ		12/20/2012 14:26	1		DB-624 0.18(mm)
ZZZZZ		12/20/2012 14:47	1		DB-624 0.18(mm)
ZZZZZ		12/20/2012 15:09	1		DB-624 0.18(mm)
ZZZZZ		12/20/2012 15:31	1		DB-624 0.18(mm)
ZZZZZ		12/20/2012 15:53	1		DB-624 0.18(mm)
ZZZZZ		12/20/2012 16:15	1		DB-624 0.18(mm)
240-18735-7	070-0060-0001-TB	12/20/2012 16:37	1	UXX1599.D	DB-624 0.18(mm)
ZZZZZ		12/20/2012 16:58	1		DB-624 0.18(mm)
ZZZZZ		12/20/2012 17:20	1		DB-624 0.18(mm)
MRL 240-69591/18		12/20/2012 17:42	1	UXX1602.D	DB-624 0.18(mm)
LODV 240-69591/19		12/20/2012 18:04	1	UXX1603.D	DB-624 0.18(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Batch Number: 69292 Batch Start Date: 12/18/12 19:25 Batch Analyst: Jones, Diane

Batch Method: 1311 Batch End Date: 12/19/12 11:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	EXTCLPACETIC 00005	EXTCLPNAOH 00010	EXZHEFILTERS 00001			
240-18735-C-5	070-0058-0001-ID W	1311, 8260B/DoD	P	1 mL	1 g	1			
240-18735-F-6	070-0059-0001-ID W	1311, 8260B/DoD	P	1 mL	1 g	1			

Batch Notes	
Tumbler Rotations per Minute	F, G = 29rpm

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8015B - GRO

Gasoline Range Organics (GC) by Method 8015B

FORM II
GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): RTX-VRX ID: 0.45 (mm)

Client Sample ID	Lab Sample ID	TFT1 #
070SB-0042M-0001-SO	240-18735-1	43
	MB 240-69738/52	89
	LCS 240-69738/53	101
070SB-0042M-0001-SO MS	240-18735-1 MS	63
070SB-0042M-0001-SO MSD	240-18735-1 MSD	64

	QC LIMITS
TFT = Trifluorotoluene (Surr)	10-150

Column to be used to flag recovery values

FORM II 8015B

FORM II
GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): RTX-VRX ID: 0.45 (mm)

Client Sample ID	Lab Sample ID	TFT1 #
	MRL 240-69738/51	85
	MRL 240-69738/76	84

	QC LIMITS
TFT = Trifluorotoluene (Surr)	70-130

Column to be used to flag recovery values

FORM II 8015B

FORM II
GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): RTX-VRX ID: 0.45 (mm)

Client Sample ID	Lab Sample ID	TFT1 #
070SB-0055-0001-TB	240-18735-2	86
	MB 240-69738/36	76
	LCS 240-69738/37	92

	QC LIMITS
TFT = Trifluorotoluene (Surr)	10-150

Column to be used to flag recovery values

FORM II 8015B

FORM II
GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): RTX-VRX ID: 0.45 (mm)

Client Sample ID	Lab Sample ID	TFT1 #
	MRL 240-69738/35	85

	QC LIMITS
TFT = Trifluorotoluene (Surr)	70-130

Column to be used to flag recovery values

FORM II 8015B

FORM III
GASOLINE RANGE ORGANICS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Matrix: Water Level: Low Lab File ID: YF122137.D

Lab ID: LCS 240-69738/37 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
C6-C12	800	830	104	72-140	

Column to be used to flag recovery and RPD values

FORM III 8015B

FORM III
GASOLINE RANGE ORGANICS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: YF122153.D

Lab ID: LCS 240-69738/53 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
C6-C12	800	965	121	60-142	

Column to be used to flag recovery and RPD values

FORM III 8015B

FORM III
GASOLINE RANGE ORGANICS METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Matrix: Water Level: Low Lab File ID: YF122135.D

Lab ID: MRL 240-69738/35 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MRL CONCENTRATION (ug/L)	MRL % REC	QC LIMITS REC	#
C6-C12	100	78.6 J	79	70-130	

Column to be used to flag recovery and RPD values

FORM III 8015B

FORM III
GASOLINE RANGE ORGANICS METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: YF122151.D

Lab ID: MRL 240-69738/51 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MRL CONCENTRATION (ug/L)	MRL % REC	QC LIMITS REC	#
C6-C12	100	115	115	70-130	

Column to be used to flag recovery and RPD values

FORM III 8015B

FORM III
GASOLINE RANGE ORGANICS METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: YF122176.D

Lab ID: MRL 240-69738/76 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MRL CONCENTRATION (ug/L)	MRL % REC	QC LIMITS REC	#
C6-C12	100	83.6 J	84	70-130	

Column to be used to flag recovery and RPD values

FORM III 8015B

FORM III
GASOLINE RANGE ORGANICS MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: YF122173.D

Lab ID: 240-18735-1 MS Client ID: 070SB-0042M-0001-SO MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
C6-C12	769	49 U	491	64	10-142	

Column to be used to flag recovery and RPD values

FORM III 8015B

FORM III
GASOLINE RANGE ORGANICS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: YF122174.D

Lab ID: 240-18735-1 MSD Client ID: 070SB-0042M-0001-SO MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
C6-C12	773	466	60	5	94	10-142	

Column to be used to flag recovery and RPD values

FORM III 8015B

FORM IV
GASOLINE RANGE ORGANICS METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Lab Sample ID: MB 240-69738/52

Matrix: Solid Date Extracted:

Lab File ID:(1) YF122152.D Lab File ID:(2)

Date Analyzed:(1) 12/22/2012 18:53 Date Analyzed:(2)

Instrument ID:(1) YPID Instrument ID:(2)

GC Column:(1) RTX-VRX ID: 0.45(mm) GC Column:(2) ID:

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 240-69738/53	12/22/2012 19:32	
070SB-0042M-0001-SO	240-18735-1	12/23/2012 07:33	
070SB-0042M-0001-SO MS	240-18735-1 MS	12/23/2012 08:10	
070SB-0042M-0001-SO MSD	240-18735-1 MSD	12/23/2012 08:49	

FORM IV
GASOLINE RANGE ORGANICS METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Lab Sample ID: MB 240-69738/36

Matrix: Water Date Extracted: 12/22/2012 08:46

Lab File ID:(1) YF122136.D Lab File ID:(2)

Date Analyzed:(1) 12/22/2012 08:46 Date Analyzed:(2)

Instrument ID:(1) YPID Instrument ID:(2)

GC Column:(1) RTX-VRX ID: 0.45(mm) GC Column:(2) ID:

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 240-69738/37	12/22/2012 09:24	
070SB-0055-0001-TB	240-18735-2	12/22/2012 15:41	

FORM VIII
GASOLINE RANGE ORGANICS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Sample No.: CCV 240-69738/5 Date Analyzed: 12/21/2012 13:05

Instrument ID: YPID GC Column: RTX-VRX ID: 0.45(mm)

Lab File ID (Standard): YF122105.D Heated Purge: (Y/N) N

Calibration ID: 10675

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TFT		
				RT #		
CONTINUING CALIBRATION SURROGATE				9.76		
UPPER LIMIT				9.86		
LOWER LIMIT				9.66		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-69738/5 CCVRT		12/21/2012 13:05	YF122105.D	9.76		
CCV 240-69738/10		12/21/2012 16:14	YF122110.D	9.76		
CCV 240-69738/34		12/22/2012 07:30	YF122134.D	9.76		
MB 240-69738/36		12/22/2012 08:46	YF122136.D	9.76		
LCS 240-69738/37		12/22/2012 09:24	YF122137.D	9.76		
CCV 240-69738/45		12/22/2012 14:25	YF122145.D	9.76		
240-18735-2	070SB-0055-0001-TB	12/22/2012 15:41	YF122147.D	9.75		
CCV 240-69738/50		12/22/2012 17:35	YF122150.D	9.76		
MB 240-69738/52		12/22/2012 18:53	YF122152.D	9.75		
LCS 240-69738/53		12/22/2012 19:32	YF122153.D	9.76		
CCV 240-69738/61		12/23/2012 00:38	YF122161.D	9.76		
CCV 240-69738/71		12/23/2012 06:55	YF122171.D	9.76		
240-18735-1	070SB-0042M-0001-SO	12/23/2012 07:33	YF122172.D	9.75		
240-18735-1 MS	070SB-0042M-0001-SO MS	12/23/2012 08:10	YF122173.D	9.76		
240-18735-1 MSD	070SB-0042M-0001-SO MSD	12/23/2012 08:49	YF122174.D	9.76		
CCV 240-69738/75		12/23/2012 09:27	YF122175.D	9.76		

TFT = Trifluorotoluene (Surr)

TFT RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8015B

FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Client Sample ID: 070SB-0042M-0001-SO Lab Sample ID: 240-18735-1

Matrix: Solid Lab File ID: YF122172.D

Analysis Method: 8015B Date Collected: 12/12/2012 10:30

Sample wt/vol: 5.999(g) Date Analyzed: 12/23/2012 07:33

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VRX ID: 0.45(mm)

% Moisture: 15.1 Level: (low/med) Low

Analysis Batch No.: 69738 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00061	C6-C12	49	U	98	49	45

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	Trifluorotoluene (Surr)	43		10-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122172.D
Lims ID: 240-18735-B-1-D
Client ID: 070SB-0042M-0001-SO
Inject. Date: 23-Dec-2012 07:33:26
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0016087-072
Misc. Info.:
Operator: 1765
Instrument ID: YPID
Purge Vol: 5.000 mL
ALS Bottle#: 1
Lims Batch ID: 69738
Lims Sample ID: 72
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\YPID\20121221-16087.b\Y80158021.m
Last Update: 26-Dec-2012 15:23:58
Calib Date: 27-Aug-2012 15:06:37
Quant Method: Internal/External Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D
Limit Group: GCV 8015B GRO ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK003

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
S 17 Xylenes, Total	1		0.000				7
6 2-Methylpentane	2	5.073	5.137	-0.064	116419	0	
12 Methyl tert-butyl ether	2		5.208				1
3 Benzene	1		7.999				1
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.754	9.759	-0.005	655202	4.26	
$ 18 a,a,a-Trifluorotoluene (pid)	1		9.772				1
A 5 C6-C10	2	11.831	4.901 -	18.760	5162891	38.0	
8 Toluene	1		11.964				1
A 1 C6-C12	2		5.001 -	21.920			
A 11 GRO	2	13.655	4.996 -	22.314	9370529	0	
13 Ethylbenzene	1		15.042				1
2 m-Xylene & p-Xylene	1		15.410				1
4 o-Xylene	1		16.061				1
10 1,3,5-Trimethylbenzene	1		17.985				1
7 1,2,4-Trimethylbenzene	1	0.000	18.579	-18.579	0	0	
14 Dodecane	2	21.918	21.750	0.168	10888	0	
9 Naphthalene	2	22.016	22.060	-0.044	8889	0	

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

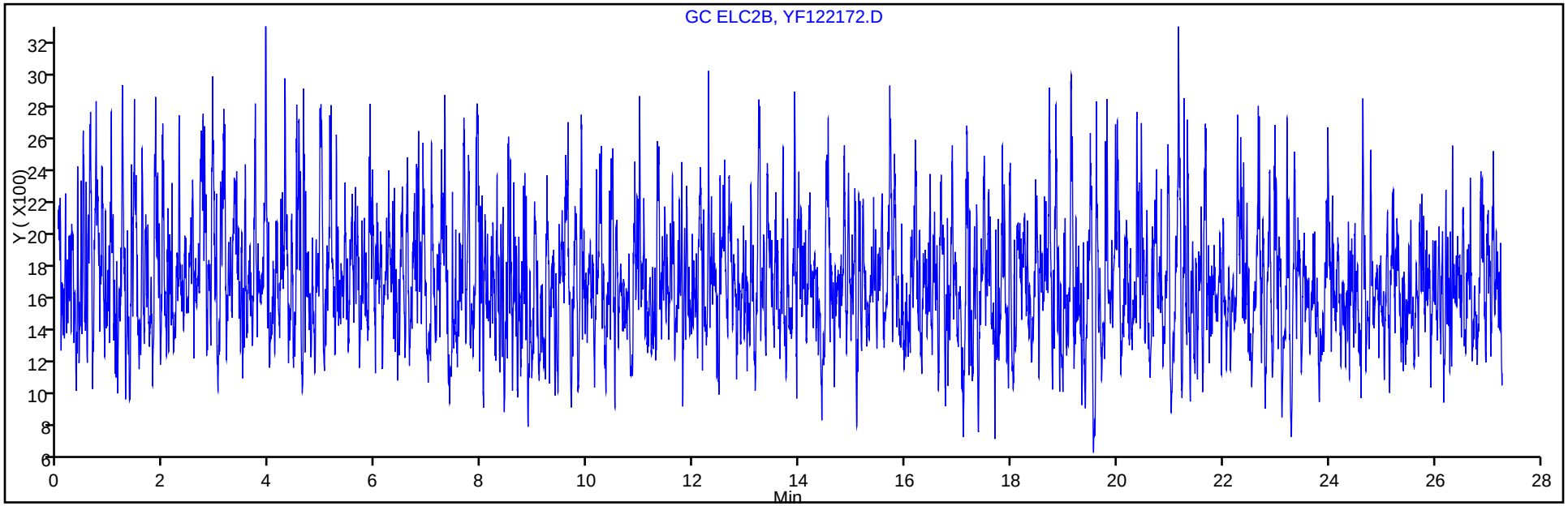
Report Date: 26-Dec-2012 15:24:00 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

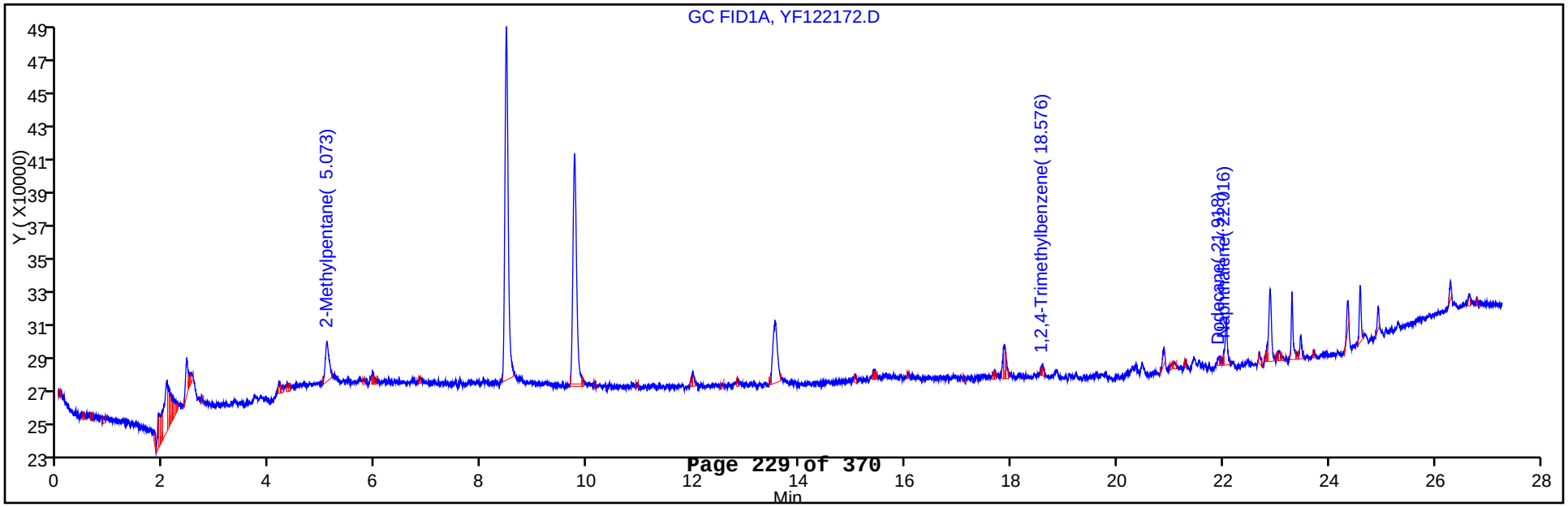
Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122172.D

Injection Date:	23-Dec-2012 07:33:26	Limit Group:	GCV 8015B GRO ICAL
Client ID:	070SB-0042M-0001-SO	Instrument ID:	YPID
Lims Batch ID:	69738	Lims Sample ID:	72
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Client Sample ID: 070SB-0055-0001-TB Lab Sample ID: 240-18735-2

Matrix: Water Lab File ID: YF122147.D

Analysis Method: 8015B Date Collected: 12/12/2012 08:00

Sample wt/vol: 5(mL) Date Analyzed: 12/22/2012 15:41

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VRX ID: 0.45(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69738 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00061	C6-C12	37	J	100	50	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	Trifluorotoluene (Surr)	86		10-150

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20121221-16087.b\YF122147.D		
Lims ID:	240-18735-B-2	Client ID:	070SB-0055-0001-TB
Inject. Date:	22-Dec-2012 15:41:18	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016087-047		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	69738	Lims Sample ID:	47
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20121221-16087.b\Y80158021.m		
Last Update:	26-Dec-2012 15:23:28	Calib Date:	27-Aug-2012 15:06:37
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.754	9.757	-0.003	1328091	8.64	
A 1 C6-C12	2	13.461	5.001 -	21.920	11712614	36.7	

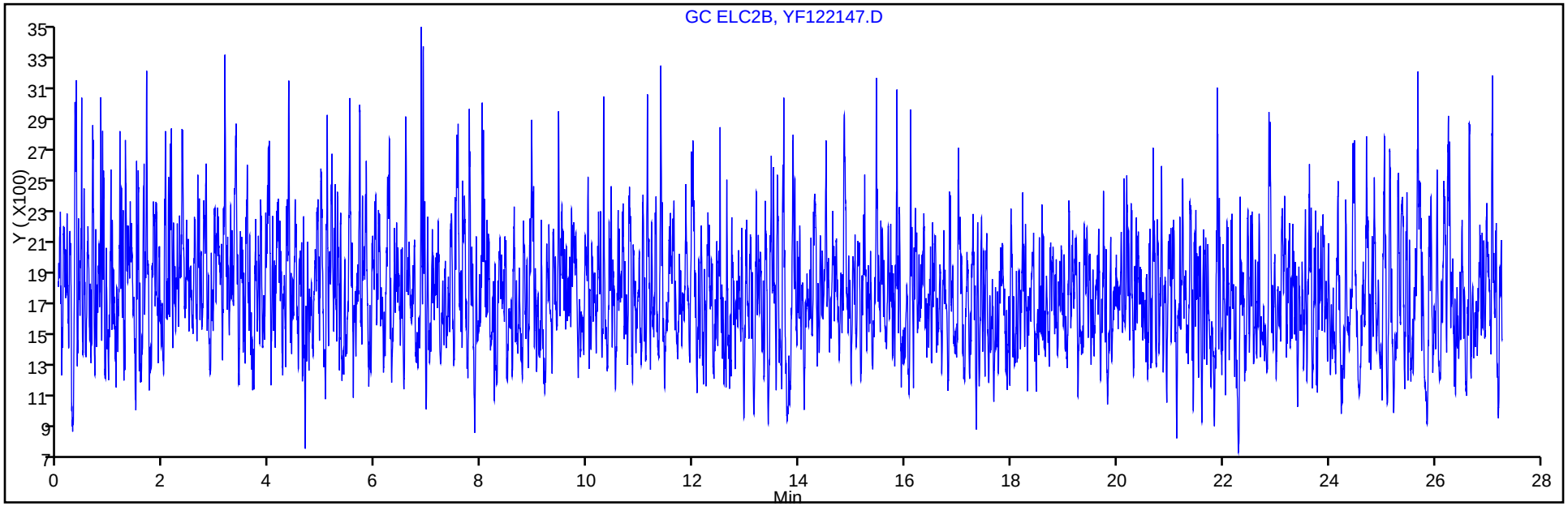
Report Date: 26-Dec-2012 15:23:31 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

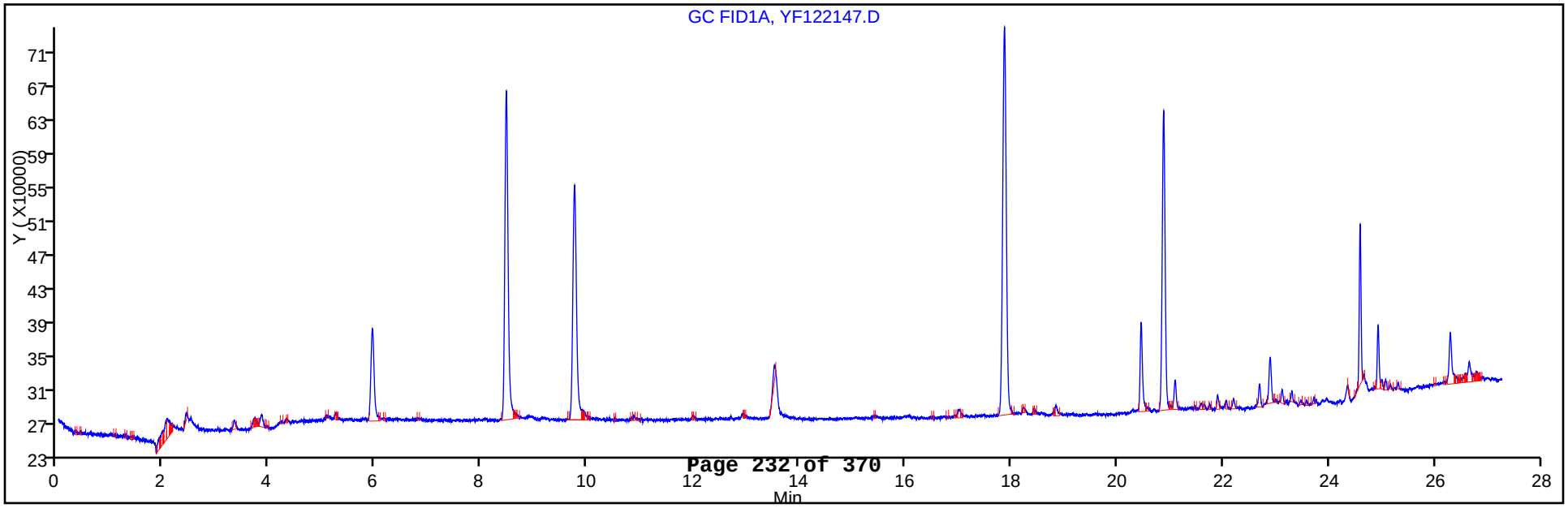
Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122147.D

Injection Date:	22-Dec-2012 15:41:18	Limit Group:	GCV 8015B GRO ICAL
Client ID:	070SB-0055-0001-TB	Instrument ID:	YPID
Lims Batch ID:	69738	Lims Sample ID:	47
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:

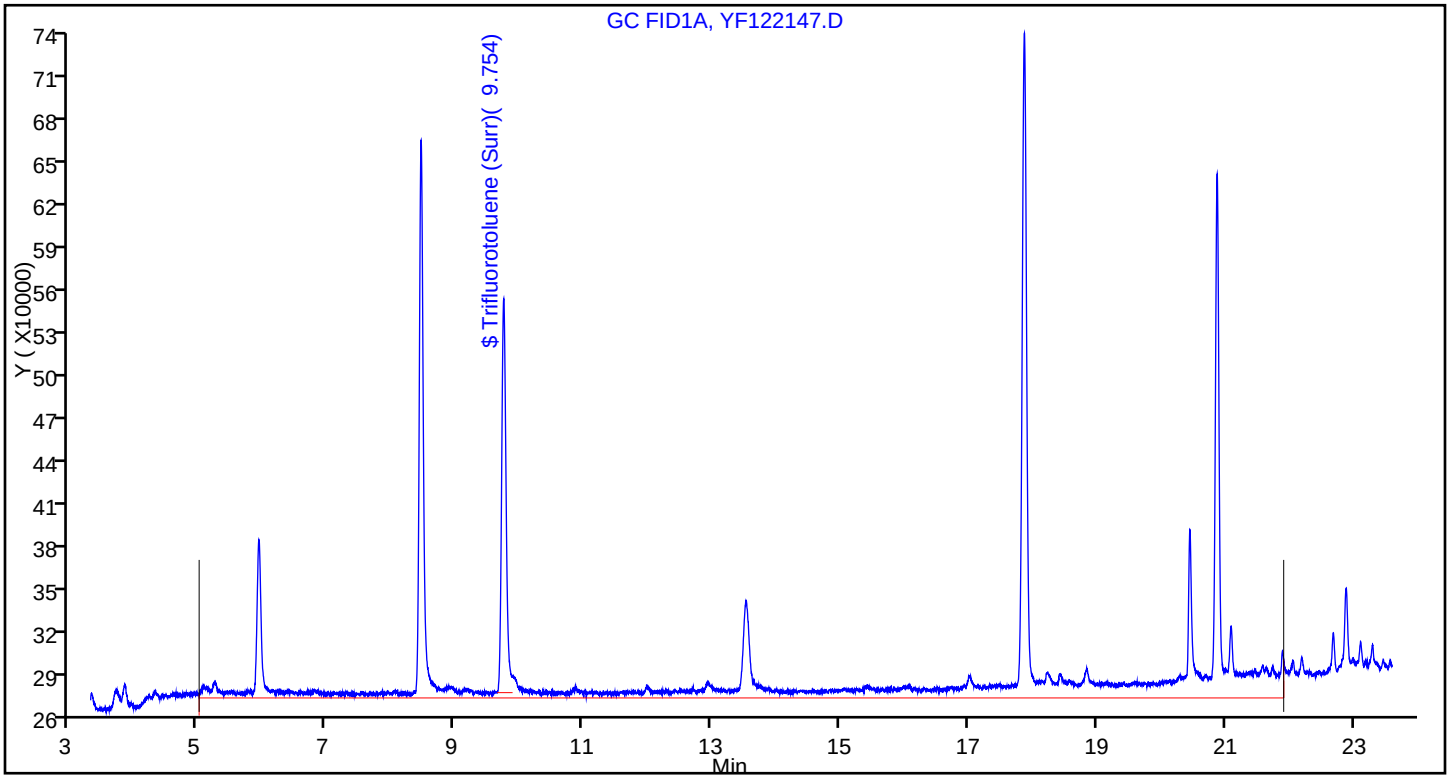


Report Date: 26-Dec-2012 15:23:31 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\YPID\20121221-16087.b\YF122147.D		
Injection Date:	22-Dec-2012 15:41:18	Limit Group:	GCV 8015B GRO ICAL
Client ID:	070SB-0055-0001-TB	Instrument ID:	YPID
Lims Batch ID:	69738	Lims Sample ID:	47
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

A 1 C6-C12, Detector: 2, GC FID1A



FORM VI
GASOLINE RANGE ORGANICS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-1 Analy Batch No.: 54511

SDG No.:

Instrument ID: YPID GC Column: RTX-VRX ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2012 18:36 Calibration End Date: 08/15/2012 22:00 Calibration ID: 10675

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-54511/6	YF081506.D
Level 2	STD2 240-54511/7	YF081507.D
Level 3	STD3 240-54511/8	YF081508.D
Level 4	STD4 240-54511/9	YF081509.D
Level 5	STD5 240-54511/10	YF081510.D
Level 6	STD6 240-54511/11	YF081511.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
C6-C10	11.760	11.760	11.760	11.760	11.760	11.760					4.755 - 18.765	11.760
C6-C12	13.426	13.426	13.426	13.426	13.426	13.426					4.855 - 21.997	13.426
Trifluorotoluene (Surr)	9.711	9.710	9.713	9.708	9.711	9.712					9.463 - 9.963	9.711

FORM VI
GASOLINE RANGE ORGANICS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-1 Analy Batch No.: 54511

SDG No.:

Instrument ID: YPID GC Column: RTX-VRX ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2012 18:36 Calibration End Date: 08/15/2012 22:00 Calibration ID: 10675

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-54511/6	YF081506.D
Level 2	STD2 240-54511/7	YF081507.D
Level 3	STD3 240-54511/8	YF081508.D
Level 4	STD4 240-54511/9	YF081509.D
Level 5	STD5 240-54511/10	YF081510.D
Level 6	STD6 240-54511/11	YF081511.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
C6-C10	183542 118119	135498 128955	126511	123496	Ave		136019.970				18.0		20.0			
C6-C12	255673 133903	170408 145976	149081	141314	Lin	6701438.48	136365.157							0.9940		0.9900
Trifluorotoluene (Surr)	136571 165376	137906 183597	145025	153818	Ave		153715.733				12.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GASOLINE RANGE ORGANICS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-1 Analy Batch No.: 54511

SDG No.:

Instrument ID: YPID GC Column: RTX-VRX ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2012 18:36 Calibration End Date: 08/15/2012 22:00 Calibration ID: 10675

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-54511/6	YF081506.D
Level 2	STD2 240-54511/7	YF081507.D
Level 3	STD3 240-54511/8	YF081508.D
Level 4	STD4 240-54511/9	YF081509.D
Level 5	STD5 240-54511/10	YF081510.D
Level 6	STD6 240-54511/11	YF081511.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
C6-C10	Ave	18354154 206328514	27099537	50604228	98796615	141742722	100 1600	200	400	800	1200
C6-C12	Lin	25567346 233562173	34081672	59632568	113051081	160683965	100 1600	200	400	800	1200
Trifluorotoluene (Surr)	Ave	1365710 1835973	1379064	1450251	1538182	1653764	10.0 10.0	10.0	10.0	10.0	10.0

Curve Type Legend:

Ave = Average
Lin = Linear

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081506.D		
Lims ID:	STD1 GAS	Client ID:	
Inject. Date:	15-Aug-2012 18:36:54	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	240-0012413-006		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	54511	Lims Sample ID:	6
Sublist:	chrom-Y80158021*sub7		
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20120815-12413.b\Y80158021.m		
Last Update:	16-Aug-2012 12:49:24	Calib Date:	15-Aug-2012 22:00:09
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081511.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Process Host:	XAWRK030		

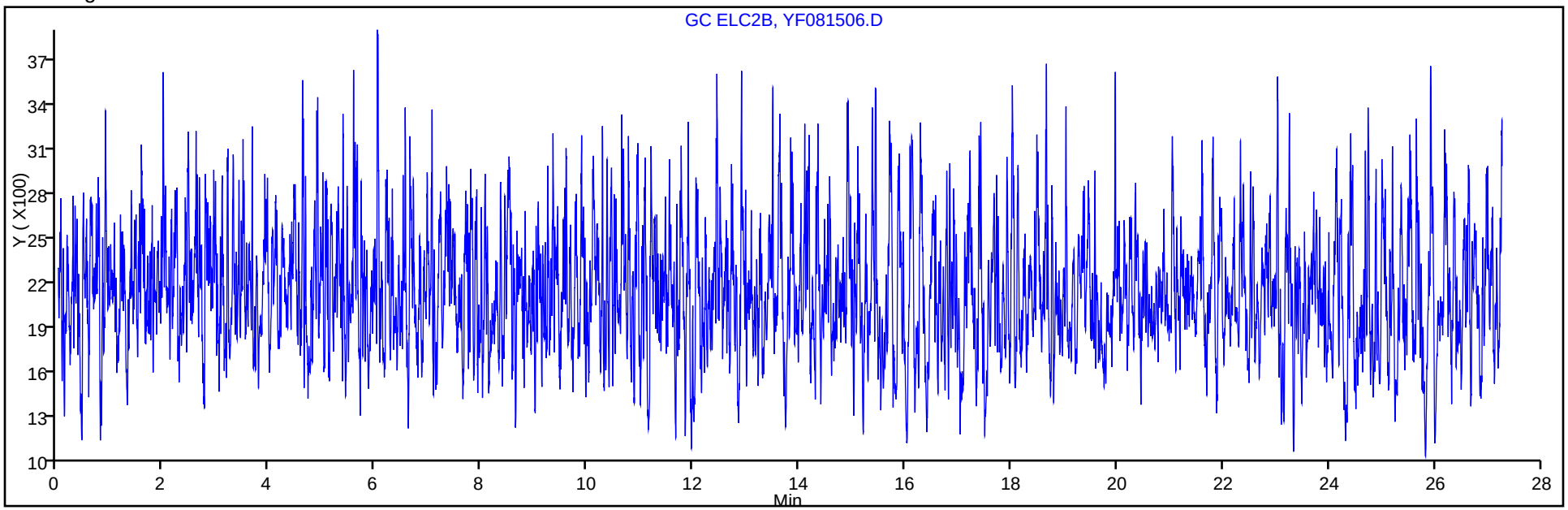
Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.477	-8.477	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.711	9.713	-0.002	1365710	8.88	
A 5 C6-C10	2	11.760	4.755 -	18.765	18354154	134.9	
A 1 C6-C12	2	13.426	4.855 -	21.997	25567346	138.3	

Report Date: 16-Aug-2012 12:49:25 Chrom Revision: 2.0 17-Jul-2012 17:32:54

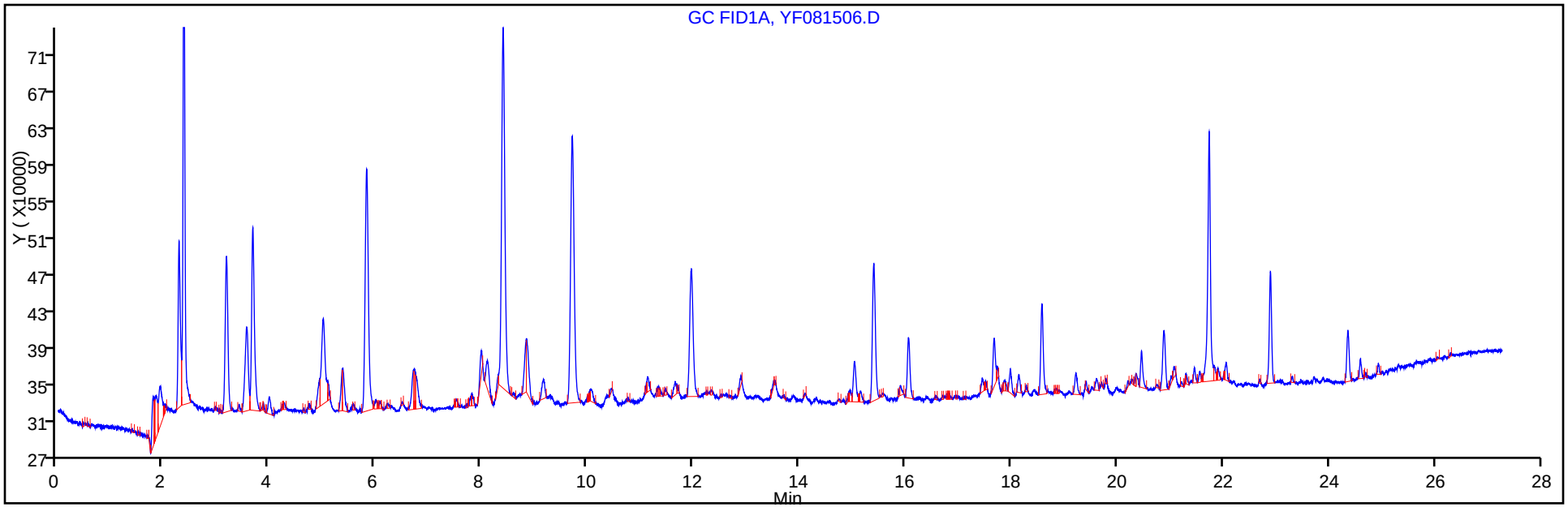
Data File: \\Ncchrom\ChromData\YPID\20120815-12413.b\YF081506.D

Injection Date:	15-Aug-2012 18:36:54	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	54511	Lims Sample ID:	6
Operator ID:	1765		

Y Scaling:



Y Scaling:

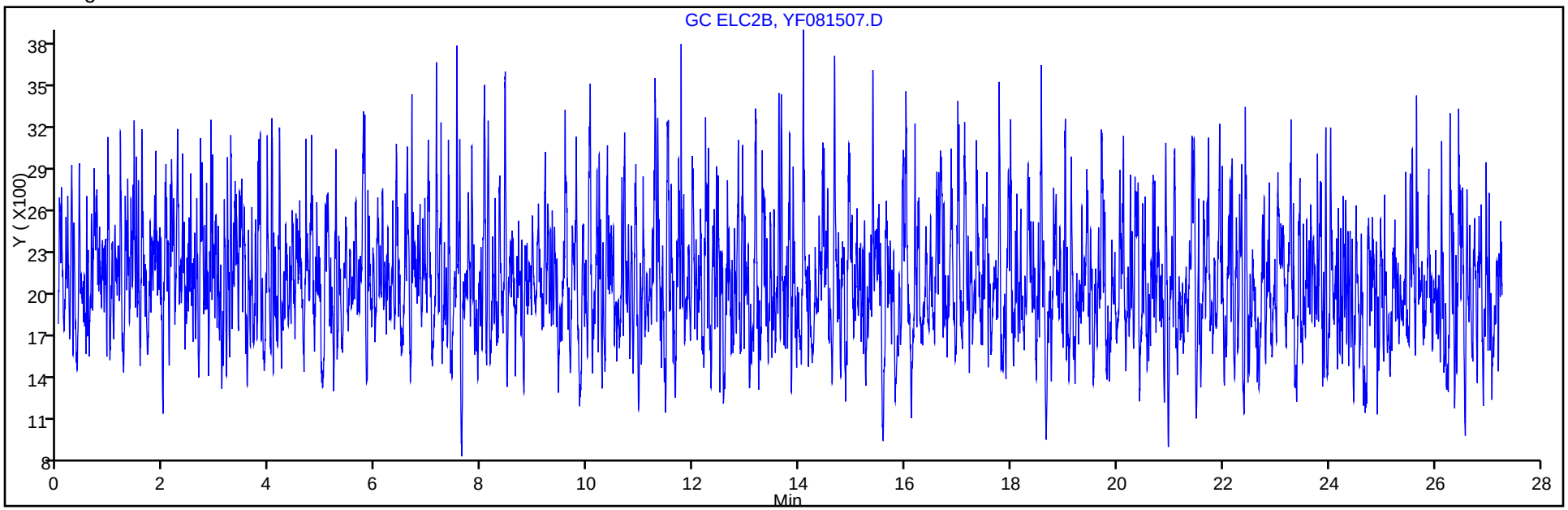


TestAmerica Laboratories
Target Compound Quantitation Report

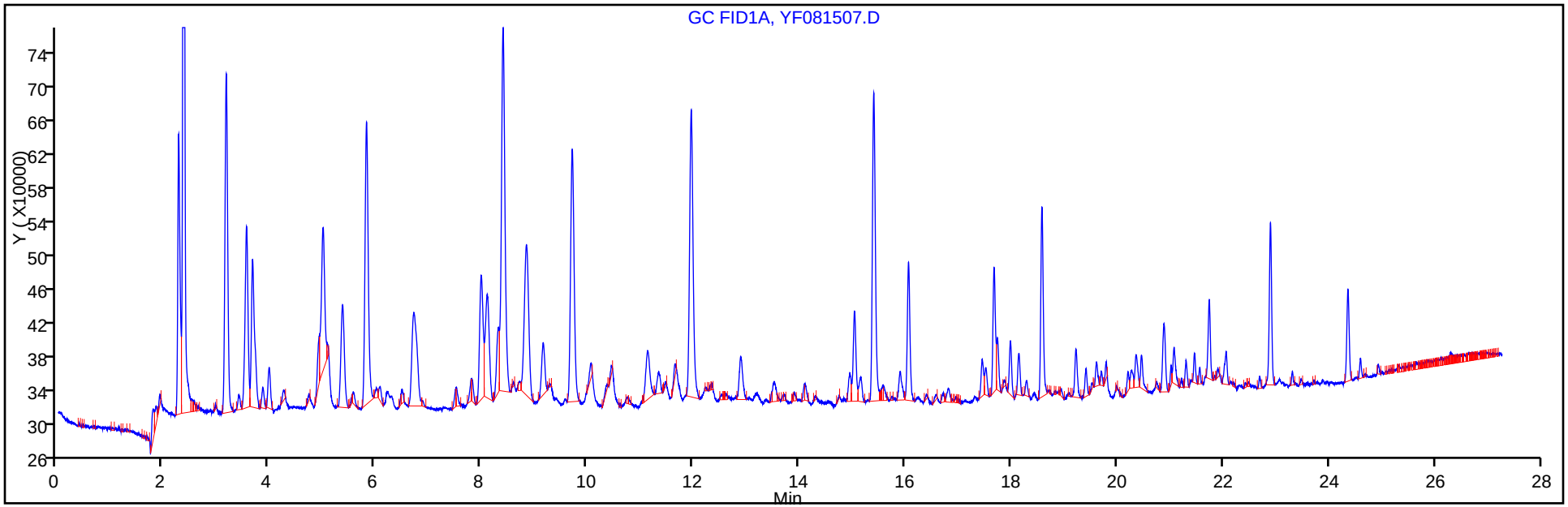
Data File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081507.D		
Lims ID:	STD2 GAS	Client ID:	
Inject. Date:	15-Aug-2012 19:17:42	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	240-0012413-007		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	54511	Lims Sample ID:	7
Sublist:	chrom-Y80158021*sub7		
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20120815-12413.b\Y80158021.m		
Last Update:	16-Aug-2012 12:49:28	Calib Date:	15-Aug-2012 22:00:09
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081511.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Process Host:	XAWRK030		

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.477	-8.477	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.710	9.713	-0.003	1379064	8.97	
A 5 C6-C10	2	11.760	4.755 -	18.765	27099537	199.2	
A 1 C6-C12	2	13.426	4.855 -	21.997	34081672	200.8	

Report Date: 16-Aug-2012 12:49:28 Chrom Revision: 2.0 17-Jul-2012 17:32:54
Data File: \\Ncchrom\ChromData\YPID\20120815-12413.b\YF081507.D
Injection Date: 15-Aug-2012 19:17:42 Limit Group: GCV 8015B GRO ICAL
Client ID: Instrument ID: YPID
Lims Batch ID: 54511 Lims Sample ID: 7
Operator ID: 1765
Y Scaling:



Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081508.D		
Lims ID:	STD3 GAS	Client ID:	
Inject. Date:	15-Aug-2012 19:58:01	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	240-0012413-008		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	54511	Lims Sample ID:	8
Sublist:	chrom-Y80158021*sub7		
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20120815-12413.b\Y80158021.m		
Last Update:	16-Aug-2012 12:49:32	Calib Date:	15-Aug-2012 22:00:09
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081511.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Process Host:	XAWRK030		

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.477	-8.477	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.713	9.713	0.0	1450251	9.43	
A 5 C6-C10	2	11.760	4.755 -	18.765	50604228	372.0	
A 1 C6-C12	2	13.426	4.855 -	21.997	59632568	388.2	

Report Date: 16-Aug-2012 12:49:32 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Ncchrom\ChromData\YPID\20120815-12413.b\YF081508.D

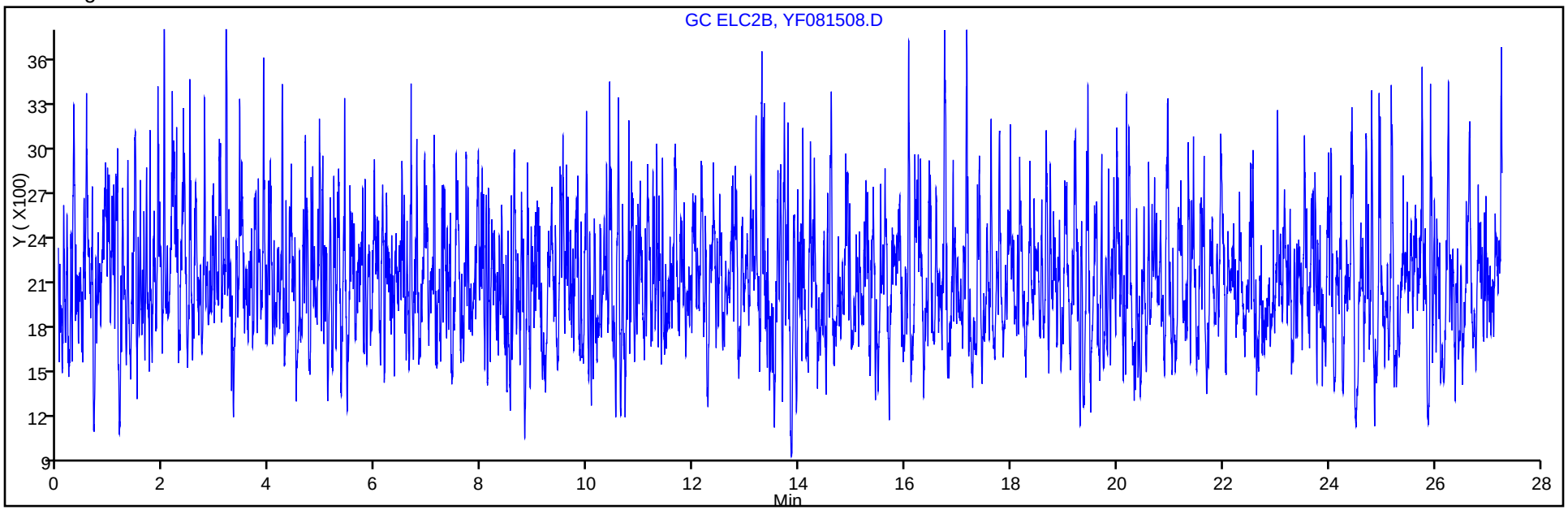
Injection Date: 15-Aug-2012 19:58:01 Limit Group: GCV 8015B GRO ICAL

Client ID: Instrument ID: YPID

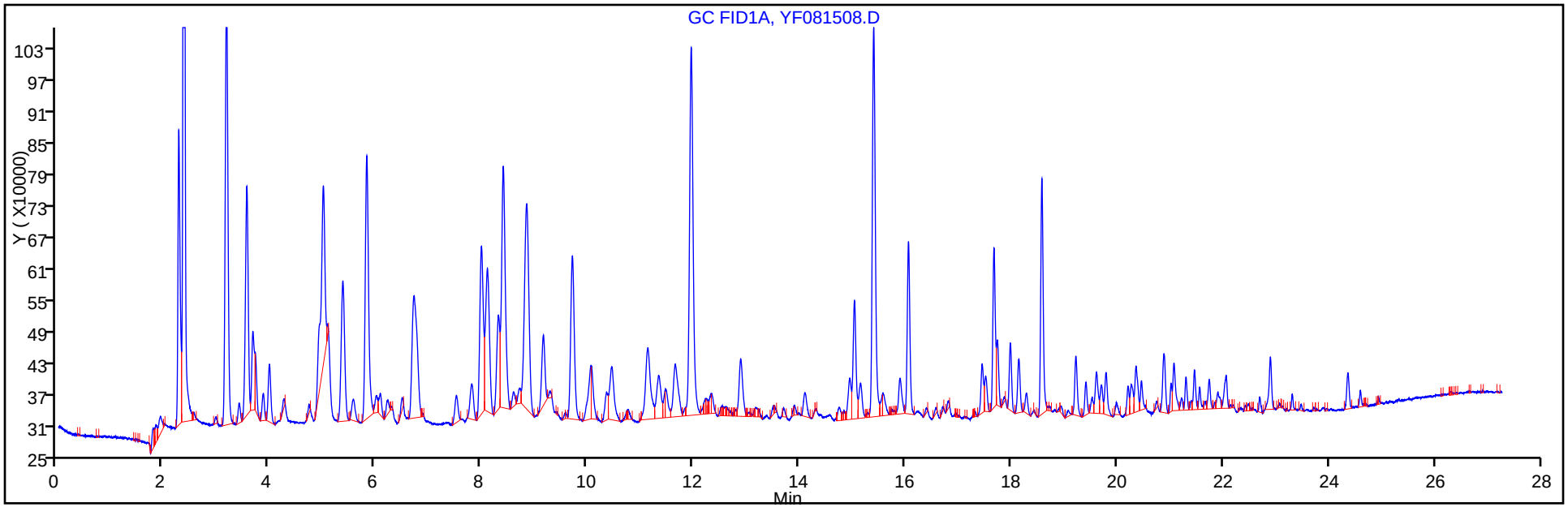
Lims Batch ID: 54511 Lims Sample ID: 8

Operator ID: 1765

Y Scaling:



Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081509.D		
Lims ID:	STD4 GAS	Client ID:	
Inject. Date:	15-Aug-2012 20:39:09	Dil. Factor:	1.0000
Sample Type:	ICRT	Calib Level:	4
Sample ID:	240-0012413-009		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	54511	Lims Sample ID:	9
Sublist:	chrom-Y80158021*sub7		
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20120815-12413.b\Y80158021.m		
Last Update:	16-Aug-2012 12:49:36	Calib Date:	15-Aug-2012 22:00:09
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081511.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Process Host:	XAWRK030		

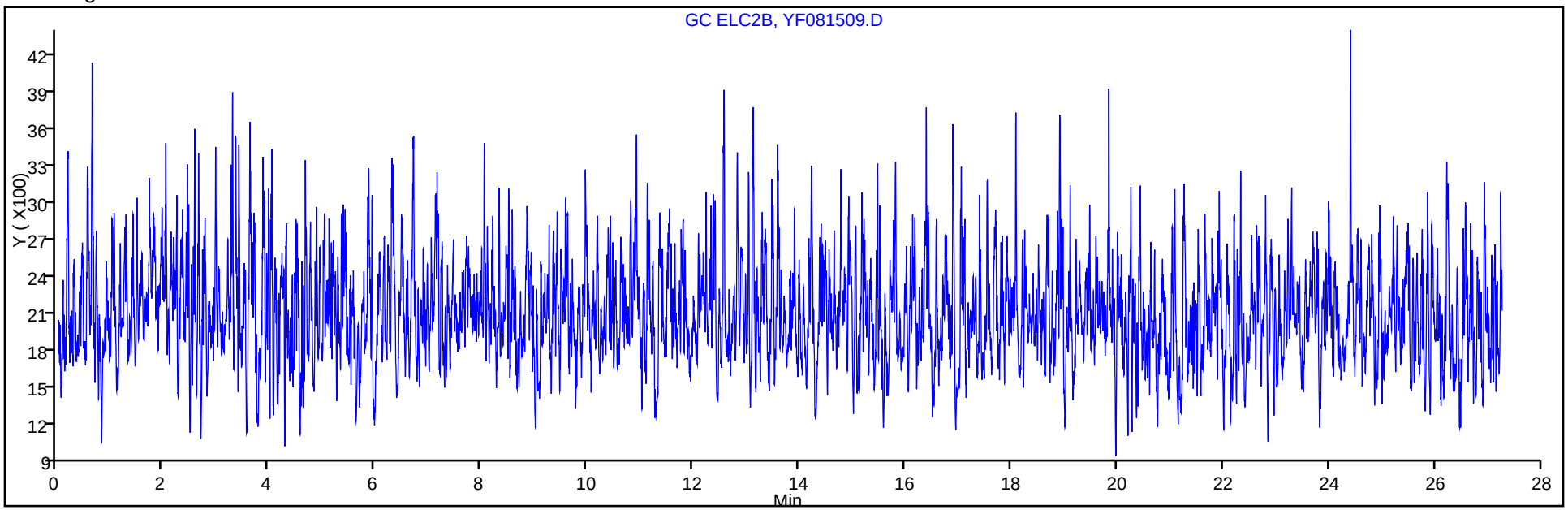
Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.477	-8.477	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.708	9.708	0.0	1538182	10.0	
A 5 C6-C10	2	11.760	4.755 -	18.765	98796615	726.3	
A 1 C6-C12	2	13.426	4.855 -	21.997	113051081	779.9	

Report Date: 16-Aug-2012 12:49:36 Chrom Revision: 2.0 17-Jul-2012 17:32:54

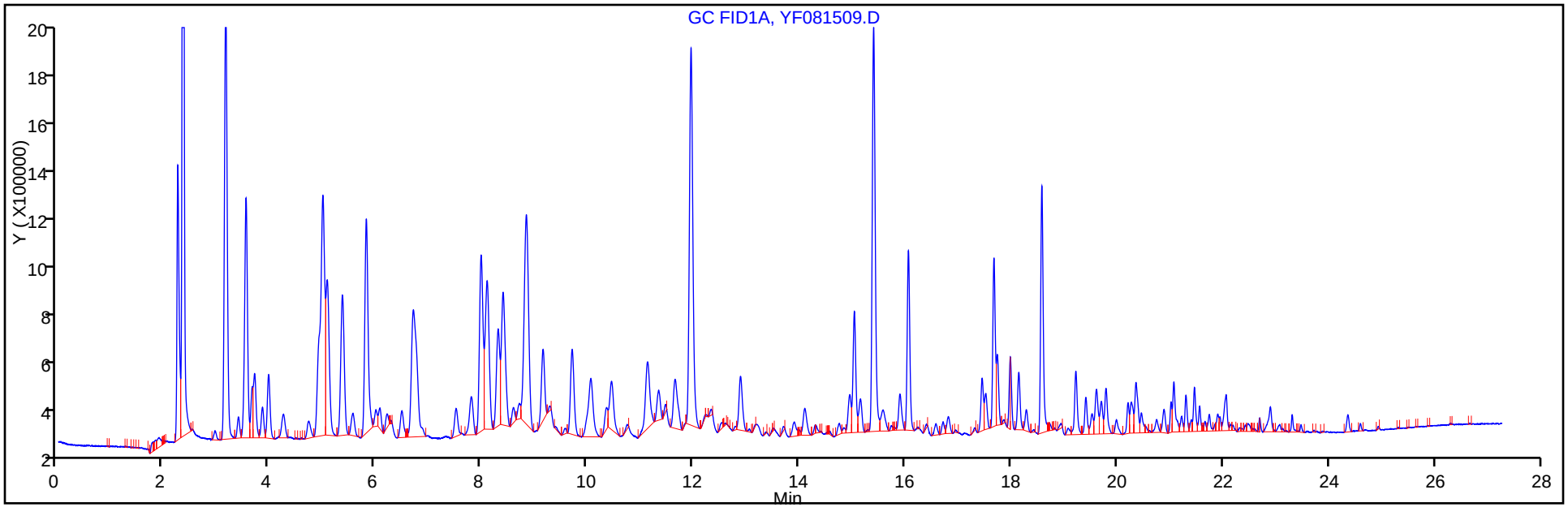
Data File: \\Ncchrom\ChromData\YPID\20120815-12413.b\YF081509.D

Injection Date:	15-Aug-2012 20:39:09	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	54511	Lims Sample ID:	9
Operator ID:	1765		

Y Scaling:



Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081510.D		
Lims ID:	STD5 GAS	Client ID:	
Inject. Date:	15-Aug-2012 21:19:54	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	240-0012413-010		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	54511	Lims Sample ID:	10
Sublist:	chrom-Y80158021*sub7		
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20120815-12413.b\Y80158021.m		
Last Update:	16-Aug-2012 12:49:40	Calib Date:	15-Aug-2012 22:00:09
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081511.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Process Host:	XAWRK030		

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.477	-8.477	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.711	9.708	0.003	1653764	10.8	
A 5 C6-C10	2	11.760	4.755 -	18.765	141742722	1042.1	
A 1 C6-C12	2	13.426	4.855 -	21.997	160683965	1129.2	

Report Date: 16-Aug-2012 12:49:40 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Ncchrom\ChromData\YPID\20120815-12413.b\YF081510.D

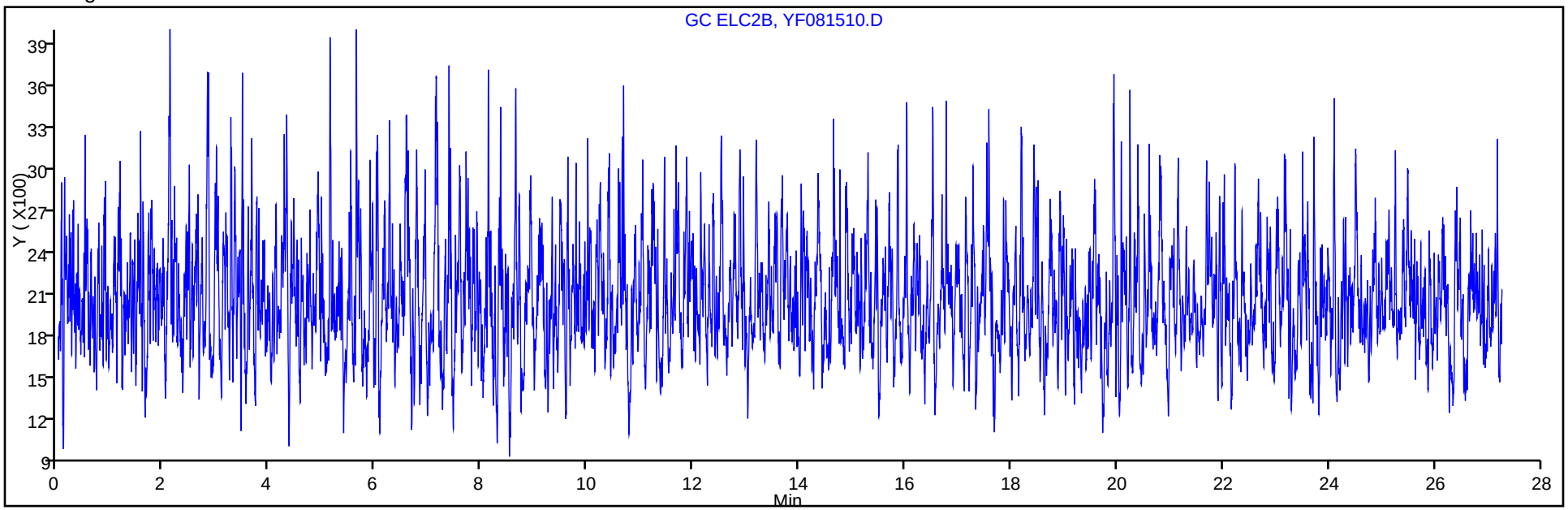
Injection Date: 15-Aug-2012 21:19:54 Limit Group: GCV 8015B GRO ICAL

Client ID: Instrument ID: YPID

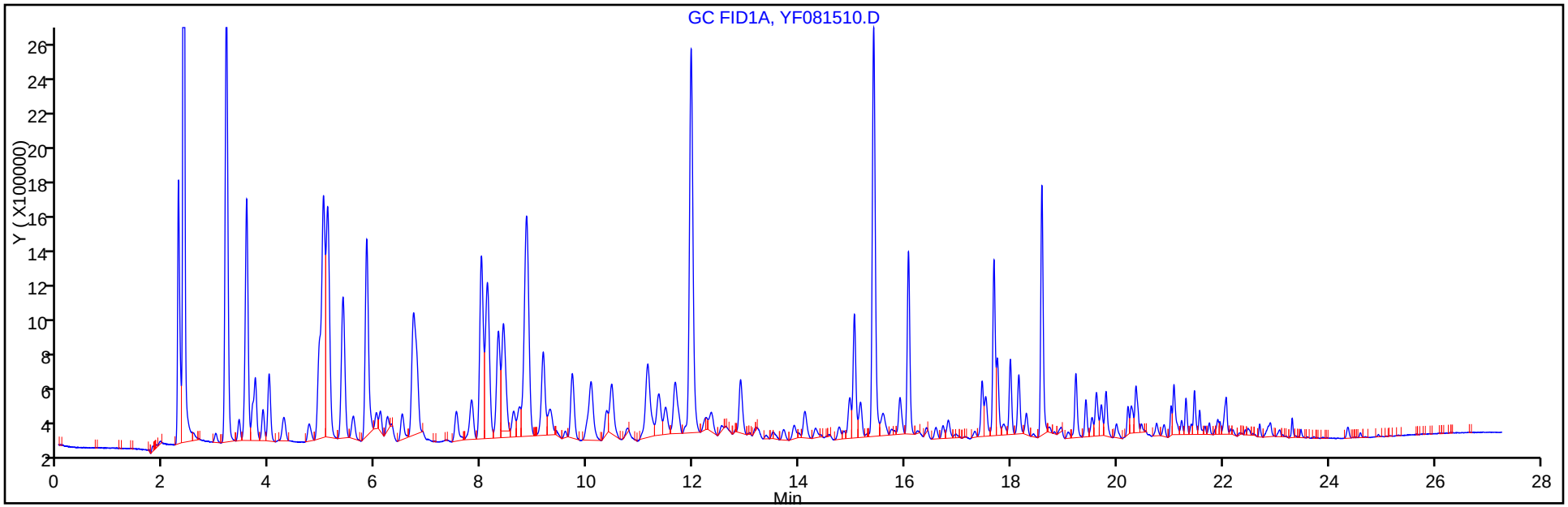
Lims Batch ID: 54511 Lims Sample ID: 10

Operator ID: 1765

Y Scaling:



Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081511.D		
Lims ID:	STD6 GAS	Client ID:	
Inject. Date:	15-Aug-2012 22:00:09	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	240-0012413-011		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	54511	Lims Sample ID:	11
Sublist:	chrom-Y80158021*sub7		
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20120815-12413.b\Y80158021.m		
Last Update:	16-Aug-2012 12:49:43	Calib Date:	15-Aug-2012 22:00:09
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081511.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Process Host:	XAWRK030		

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.477	-8.477	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.712	9.708	0.004	1835973	11.9	
A 5 C6-C10	2	11.760	4.755 -	18.765	206328514	1516.9	
A 1 C6-C12	2	13.426	4.855 -	21.997	233562173	1663.6	

Report Date: 16-Aug-2012 12:49:44 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Ncchrom\ChromData\YPID\20120815-12413.b\YF081511.D

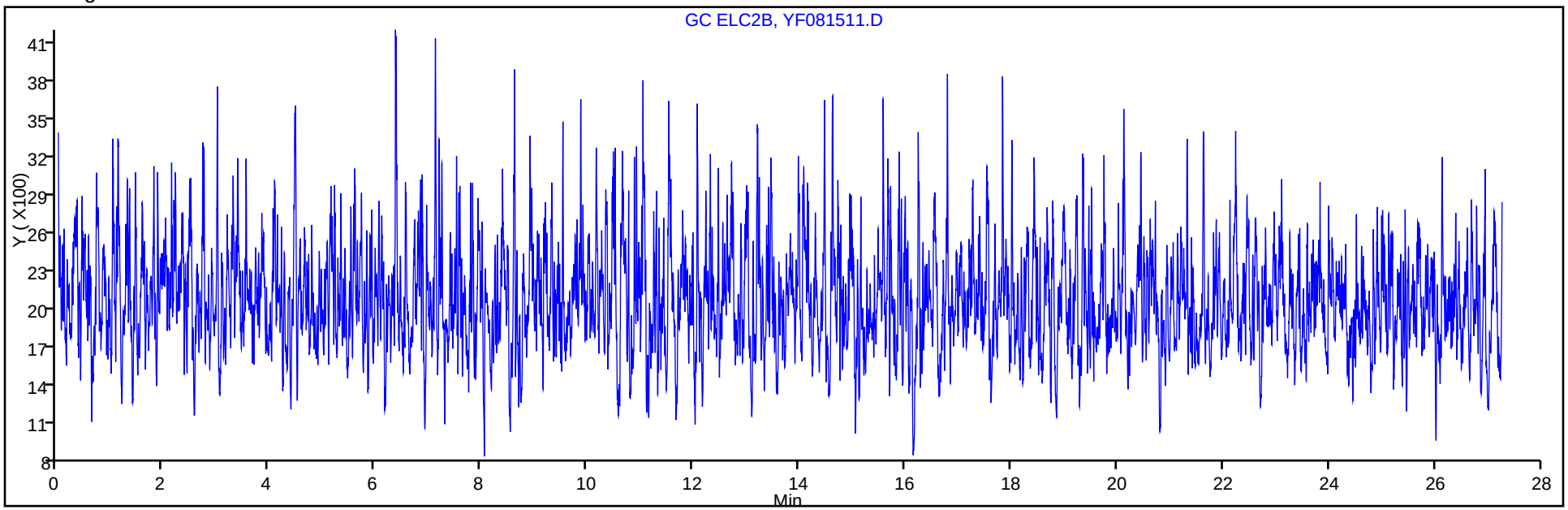
Injection Date: 15-Aug-2012 22:00:09 Limit Group: GCV 8015B GRO ICAL

Client ID: Instrument ID: YPID

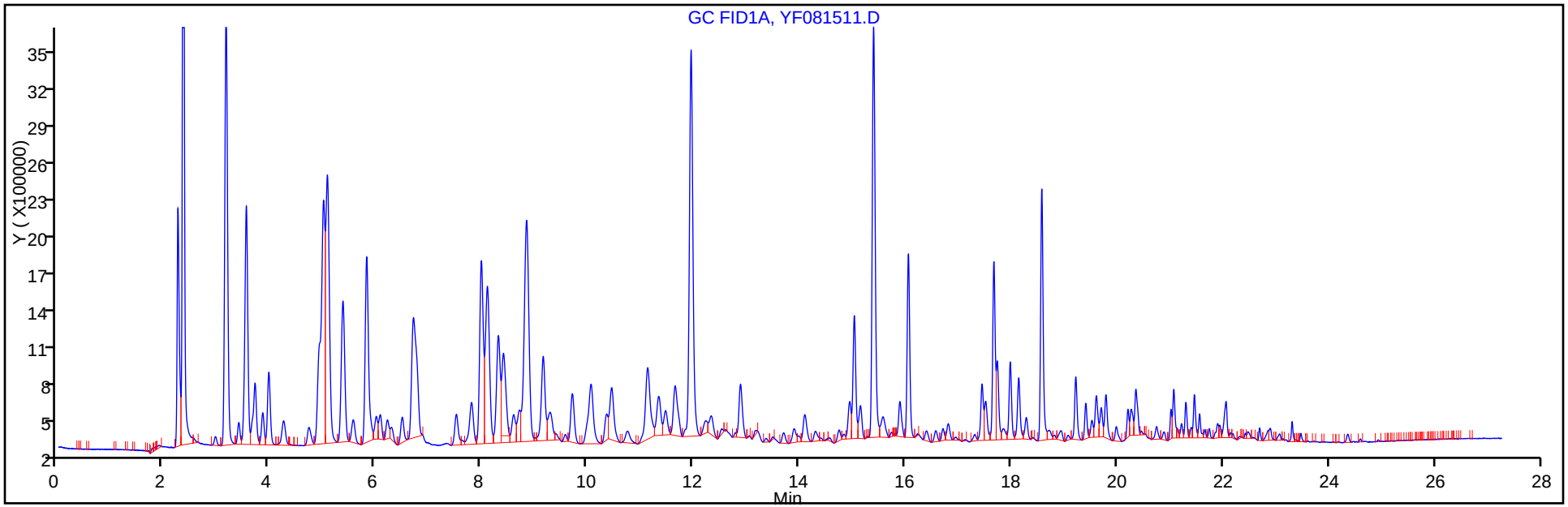
Lims Batch ID: 54511 Lims Sample ID: 11

Operator ID: 1765

Y Scaling:



Y Scaling:



FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Lab Sample ID: ICV 240-54511/12 Calibration Date: 08/15/2012 22:40

Instrument ID: YPID Calib Start Date: 08/15/2012 18:36

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 08/15/2012 22:00

Lab File ID: YF081512.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C6-C10	Ave	136020	146461		861	800	7.7	20.0
C6-C12	Lin		171870		959	800	19.9	20.0
Trifluorotoluene (Surr)	Ave	153716	157910		10.3	10.0	2.7	20.0

FORM VII

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Lab Sample ID: ICV 240-54511/12 Calibration Date: 08/15/2012 22:40

Instrument ID: YPID Calib Start Date: 08/15/2012 18:36

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 08/15/2012 22:00

Lab File ID: YF081512.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
C6-C10	11.76	4.76	18.77
C6-C12	13.43	4.86	22.00
Trifluorotoluene (Surr)	9.72	9.46	9.96

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081512.D		
Lims ID:	ICV GAS	Client ID:	
Inject. Date:	15-Aug-2012 22:40:41	Dil. Factor:	1.0000
Sample Type:	ICV		
Sample ID:	240-0012413-012		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	54511	Lims Sample ID:	12
Sublist:			
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20120815-12413.b\Y80158021.m		
Last Update:	16-Aug-2012 12:49:43	Calib Date:	15-Aug-2012 22:00:09
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081511.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Process Host:	XAWRK030		

First Level Reviewer: bolgrind Date: 16-Aug-2012 08:25:42

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.477	-8.477	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.715	9.708	0.007	1579095	10.3	
A 5 C6-C10	2	11.760	4.755 -	18.765	117168930	861.4	
A 1 C6-C12	2	13.426	4.855 -	21.997	137496376	959.2	

Report Date: 16-Aug-2012 12:49:48 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Ncchrom\ChromData\YPID\20120815-12413.b\YF081512.D

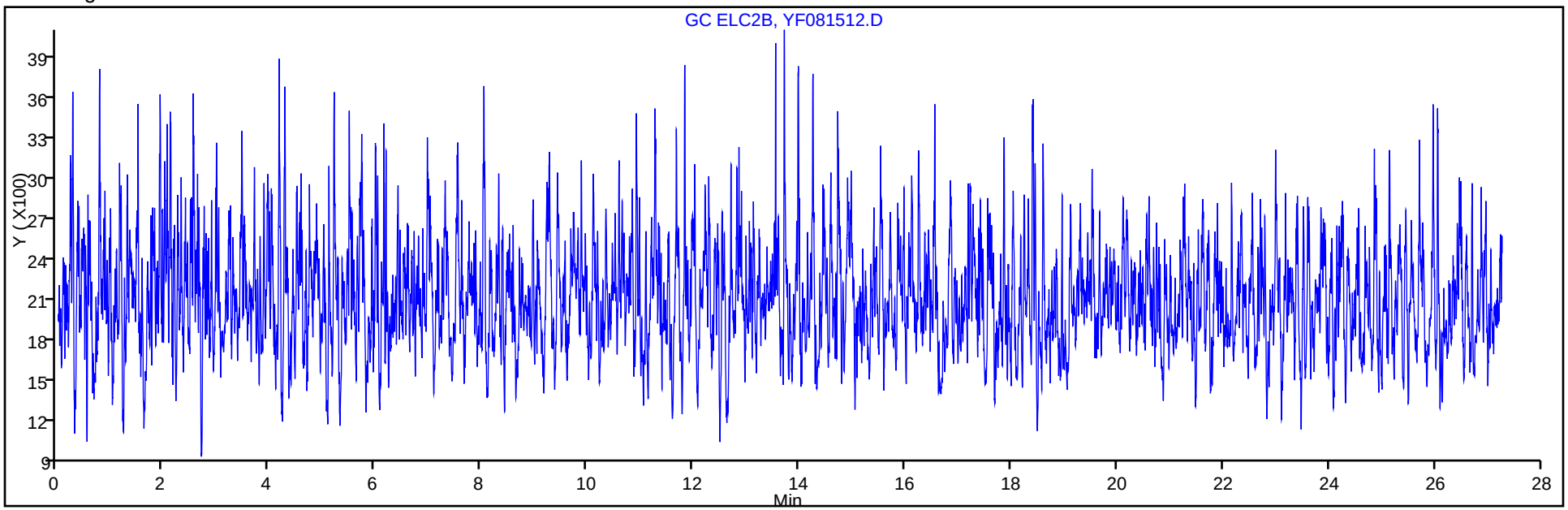
Injection Date: 15-Aug-2012 22:40:41 Limit Group: GCV 8015B GRO ICAL

Client ID: Instrument ID: YPID

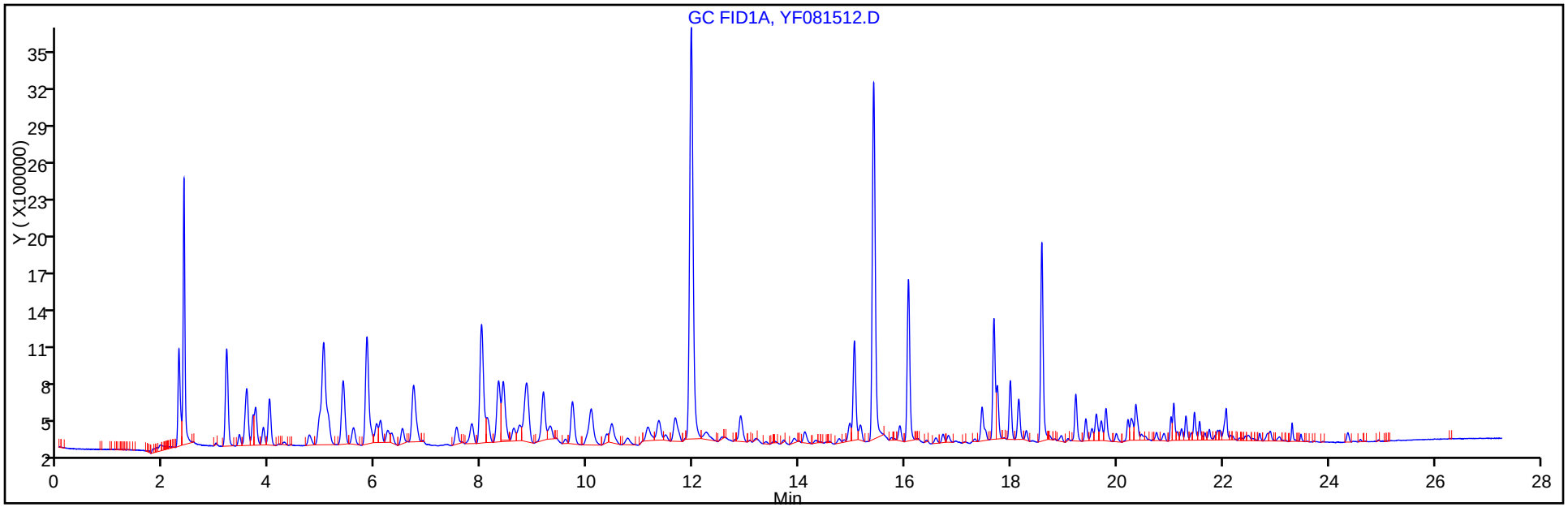
Lims Batch ID: 54511 Lims Sample ID: 12

Operator ID: 1765

Y Scaling:



Y Scaling:



FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Lab Sample ID: CCV 240-69738/5 Calibration Date: 12/21/2012 13:05

Instrument ID: YPID Calib Start Date: 08/15/2012 18:36

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 08/15/2012 22:00

Lab File ID: YF122105.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C6-C10	Ave	136020	129576		762	800	-4.7	15.0
C6-C12	Lin		146585		811	800	1.4	15.0
Trifluorotoluene (Surr)	Ave	153716	149144		9.70	10.0	-3.0	15.0

FORM VII

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Lab Sample ID: CCV 240-69738/5 Calibration Date: 12/21/2012 13:05

Instrument ID: YPID Calib Start Date: 08/15/2012 18:36

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 08/15/2012 22:00

Lab File ID: YF122105.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
C6-C10	11.83	4.90	18.76
C6-C12	13.46	5.00	21.92
Trifluorotoluene (Surr)	9.76	9.51	10.01

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20121221-16087.b\YF122105.D		
Lims ID:	CCV GAS	Client ID:	
Inject. Date:	21-Dec-2012 13:05:41	Dil. Factor:	1.0000
Sample Type:	CCVRT		
Sample ID:	240-0016087-005		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	69738	Lims Sample ID:	5
Sublist:	chrom-Y80158021*sub7		
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20121221-16087.b\Y80158021.m		
Last Update:	26-Dec-2012 15:17:27	Calib Date:	27-Aug-2012 15:06:37
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.757	9.757	0.0	1491435	9.70	
A 5 C6-C10	2	11.831	4.901 -	18.760	103660780	762.1	
A 1 C6-C12	2	13.461	5.001 -	21.920	117268370	810.8	

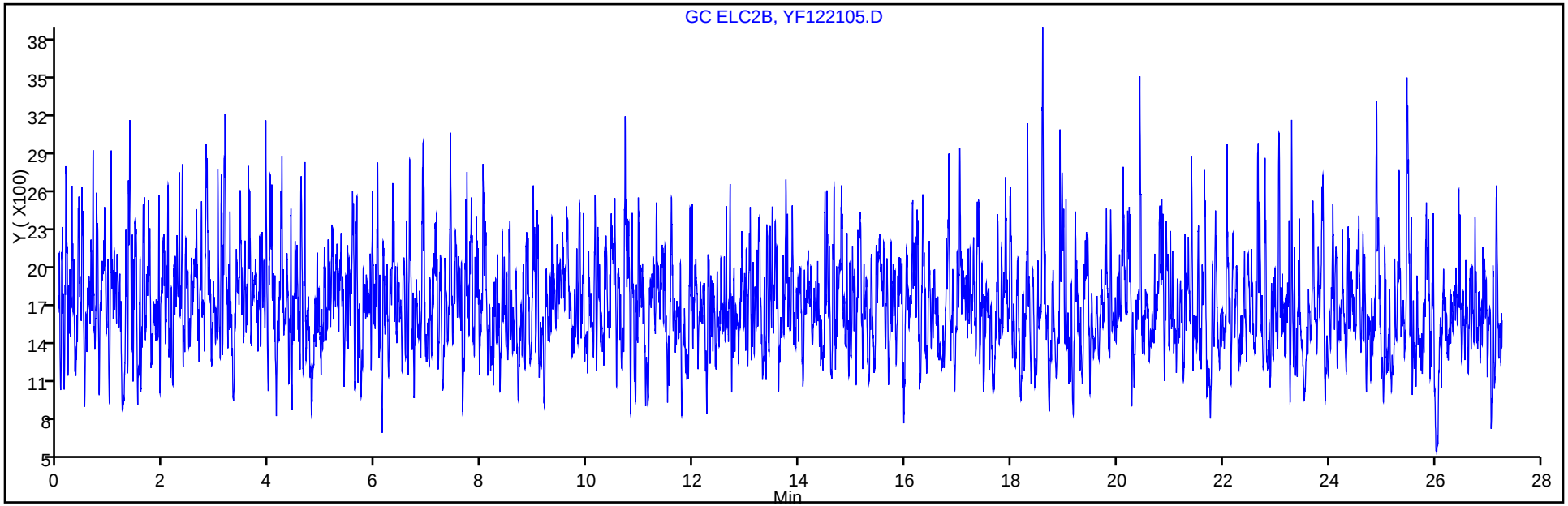
Report Date: 26-Dec-2012 15:17:28 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

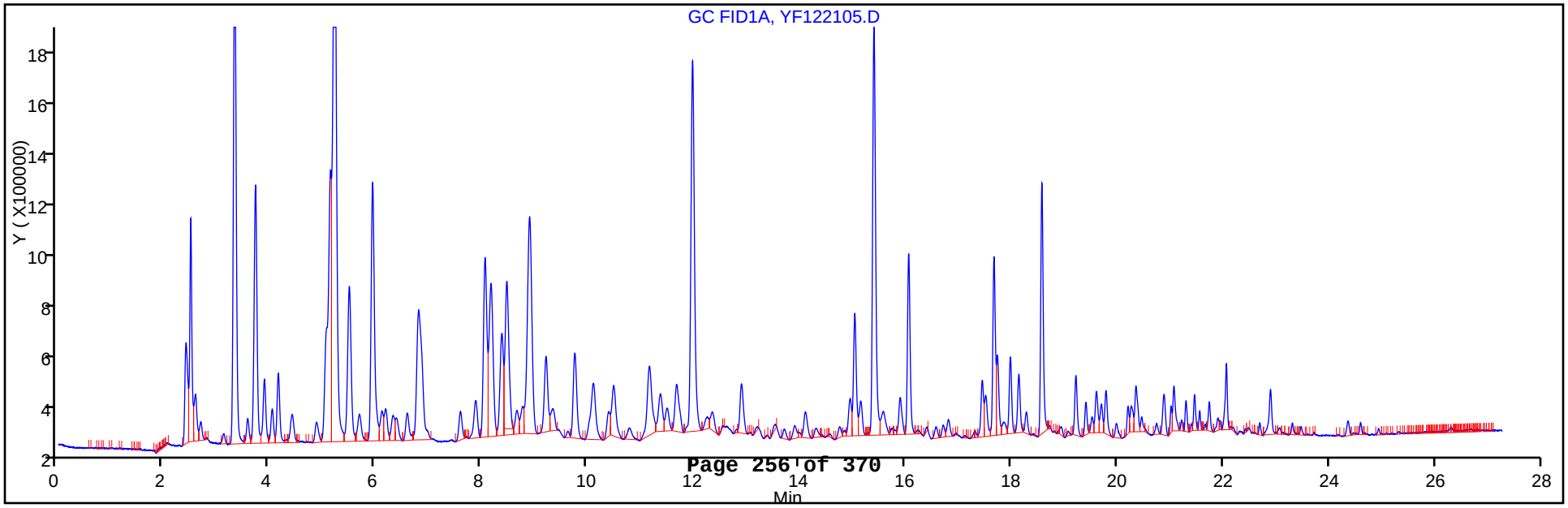
Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122105.D

Injection Date:	21-Dec-2012 13:05:41	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	69738	Lims Sample ID:	5
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Lab Sample ID: CCV 240-69738/10 Calibration Date: 12/21/2012 16:14

Instrument ID: YPID Calib Start Date: 08/15/2012 18:36

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 08/15/2012 22:00

Lab File ID: YF122110.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C6-C10	Ave	136020	123929		729	800	-8.9	15.0
C6-C12	Lin		143680		794	800	-0.8	15.0
Trifluorotoluene (Surr)	Ave	153716	150916		9.82	10.0	-1.8	15.0

FORM VII

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Lab Sample ID: CCV 240-69738/10 Calibration Date: 12/21/2012 16:14

Instrument ID: YPID Calib Start Date: 08/15/2012 18:36

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 08/15/2012 22:00

Lab File ID: YF122110.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
C6-C10	11.83	4.90	18.76
C6-C12	13.46	5.00	21.92
Trifluorotoluene (Surr)	9.76	9.51	10.01

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20121221-16087.b\YF122110.D		
Lims ID:	CCV GAS	Client ID:	
Inject. Date:	21-Dec-2012 16:14:02	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0016087-010		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	69738	Lims Sample ID:	10
Sublist:	chrom-Y80158021*sub7		
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20121221-16087.b\Y80158021.m		
Last Update:	26-Dec-2012 15:17:34	Calib Date:	27-Aug-2012 15:06:37
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		
First Level Reviewer: bosworthh		Date:	22-Dec-2012 08:33:51

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.760	9.760	0.0	1509159	9.82	
A 5 C6-C10	2	11.831	4.901 -	18.760	99143059	728.9	
A 1 C6-C12	2	13.461	5.001 -	21.920	114944011	793.8	

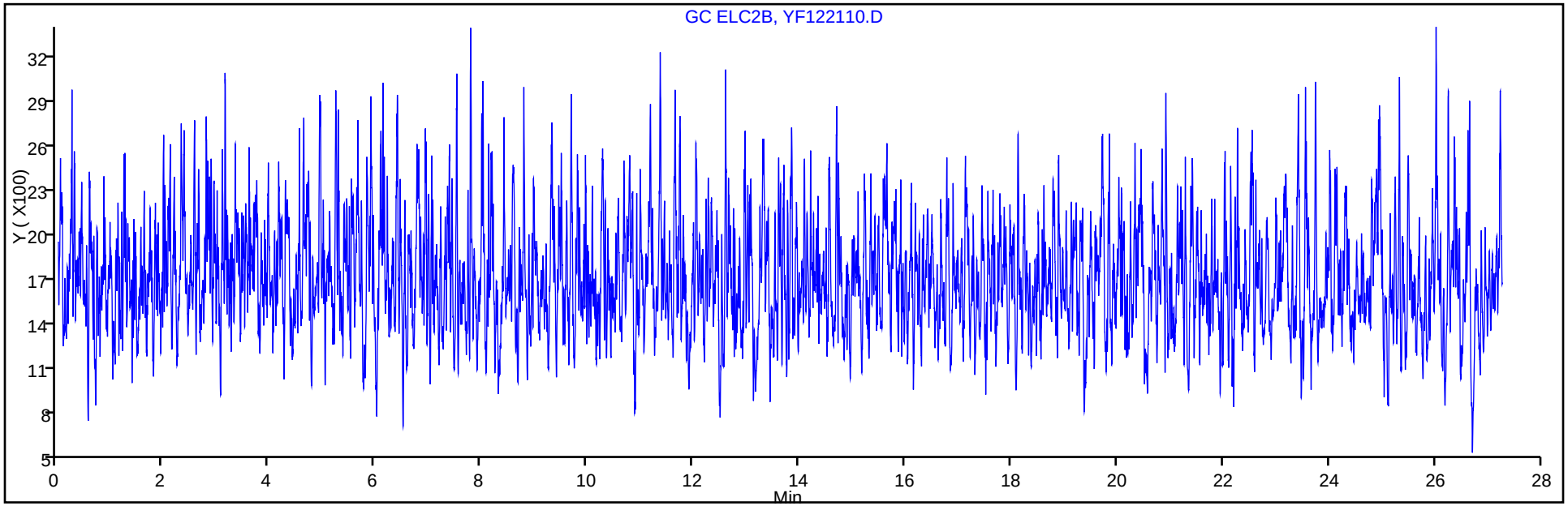
Report Date: 26-Dec-2012 15:17:35 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

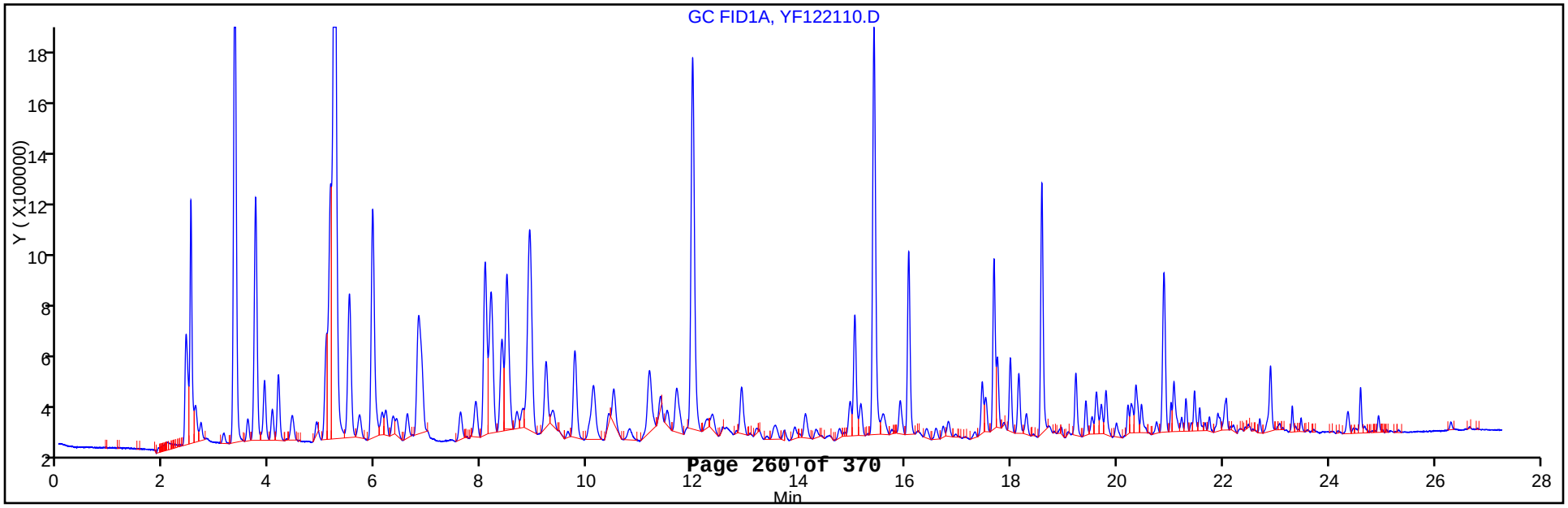
Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122110.D

Injection Date:	21-Dec-2012 16:14:02	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	69738	Lims Sample ID:	10
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Lab Sample ID: CCV 240-69738/34 Calibration Date: 12/22/2012 07:30

Instrument ID: YPID Calib Start Date: 08/15/2012 18:36

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 08/15/2012 22:00

Lab File ID: YF122134.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C6-C10	Ave	136020	122012		718	800	-10.3	15.0
C6-C12	Lin		139088		767	800	-4.1	15.0
Trifluorotoluene (Surr)	Ave	153716	139932		9.10	10.0	-9.0	15.0

FORM VII

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Lab Sample ID: CCV 240-69738/34 Calibration Date: 12/22/2012 07:30

Instrument ID: YPID Calib Start Date: 08/15/2012 18:36

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 08/15/2012 22:00

Lab File ID: YF122134.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
C6-C10	11.83	4.90	18.76
C6-C12	13.46	5.00	21.92
Trifluorotoluene (Surr)	9.76	9.51	10.01

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20121221-16087.b\YF122134.D		
Lims ID:	CCV GAS	Client ID:	
Inject. Date:	22-Dec-2012 07:30:57	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0016087-034		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	69738	Lims Sample ID:	34
Sublist:	chrom-Y80158021*sub7		
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20121221-16087.b\Y80158021.m		
Last Update:	26-Dec-2012 15:18:08	Calib Date:	27-Aug-2012 15:06:37
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.759	9.759	0.0	1399315	9.10	
A 5 C6-C10	2	11.831	4.901 -	18.760	97609915	717.6	
A 1 C6-C12	2	13.461	5.001 -	21.920	111270285	766.8	

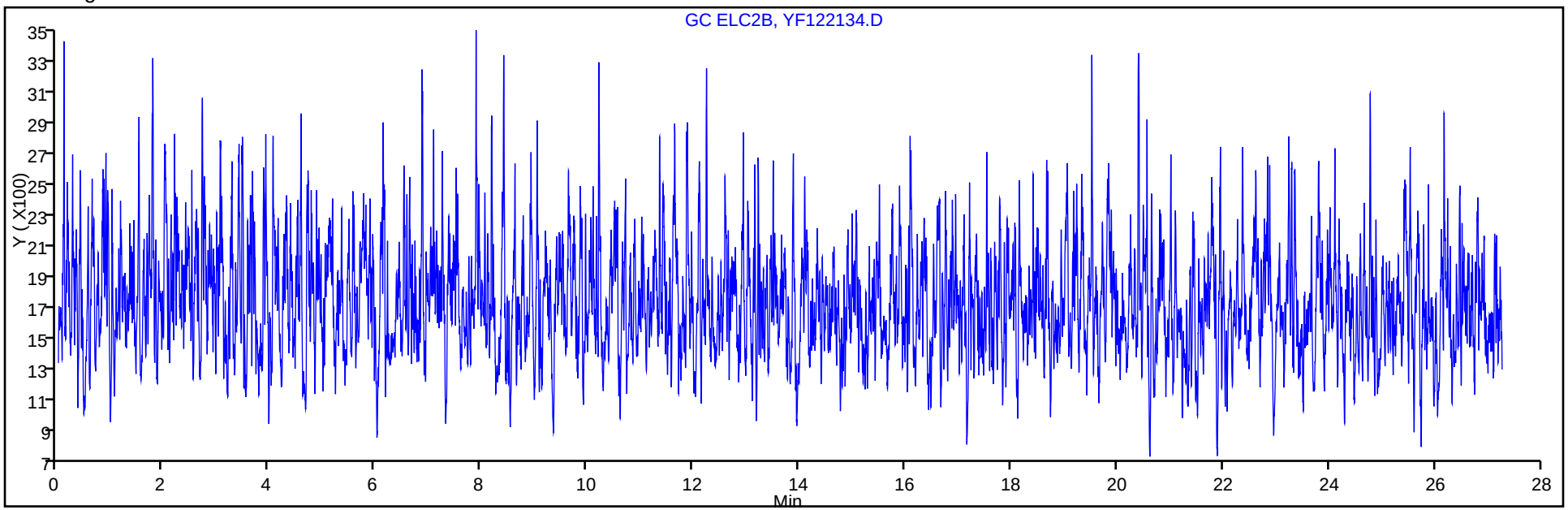
Report Date: 26-Dec-2012 15:18:09 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

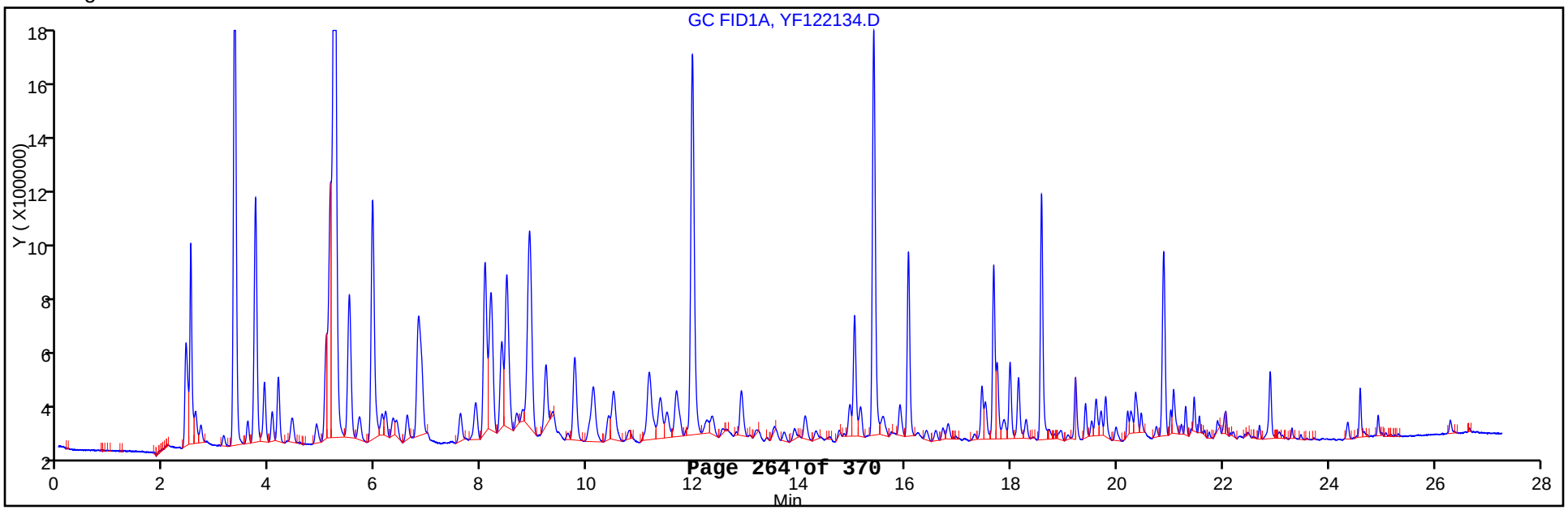
Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122134.D

Injection Date:	22-Dec-2012 07:30:57	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	69738	Lims Sample ID:	34
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Lab Sample ID: CCV 240-69738/45 Calibration Date: 12/22/2012 14:25

Instrument ID: YPID Calib Start Date: 08/15/2012 18:36

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 08/15/2012 22:00

Lab File ID: YF122145.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C6-C10	Ave	136020	120381		708	800	-11.5	15.0
C6-C12	Lin		135638		747	800	-6.7	15.0
Trifluorotoluene (Surr)	Ave	153716	149182		9.71	10.0	-2.9	15.0

FORM VII

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Lab Sample ID: CCV 240-69738/45 Calibration Date: 12/22/2012 14:25

Instrument ID: YPID Calib Start Date: 08/15/2012 18:36

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 08/15/2012 22:00

Lab File ID: YF122145.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
C6-C10	11.83	4.90	18.76
C6-C12	13.46	5.00	21.92
Trifluorotoluene (Surr)	9.76	9.51	10.01

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20121221-16087.b\YF122145.D		
Lims ID:	CCV GAS	Client ID:	
Inject. Date:	22-Dec-2012 14:25:29	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0016087-045		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	69738	Lims Sample ID:	45
Sublist:	chrom-Y80158021*sub7		
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20121221-16087.b\Y80158021.m		
Last Update:	26-Dec-2012 15:23:28	Calib Date:	27-Aug-2012 15:06:37
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.757	9.757	0.0	1491818	9.71	
A 5 C6-C10	2	11.831	4.901 -	18.760	96304427	708.0	
A 1 C6-C12	2	13.461	5.001 -	21.920	108510319	746.6	

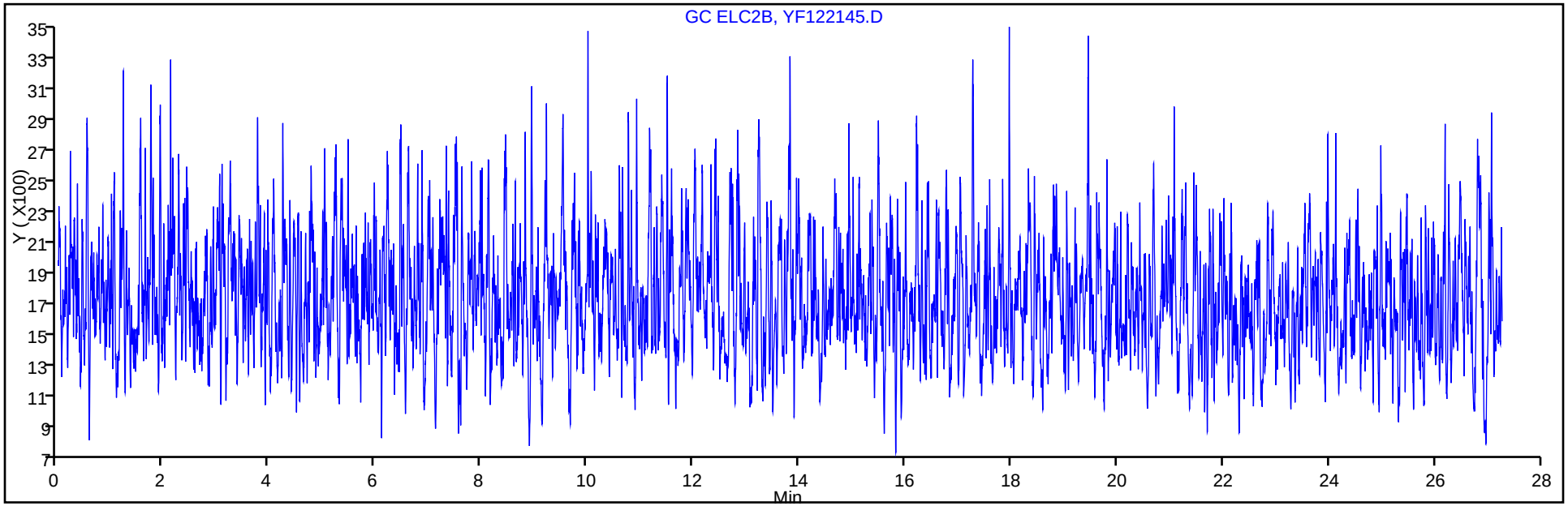
Report Date: 26-Dec-2012 15:23:28 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

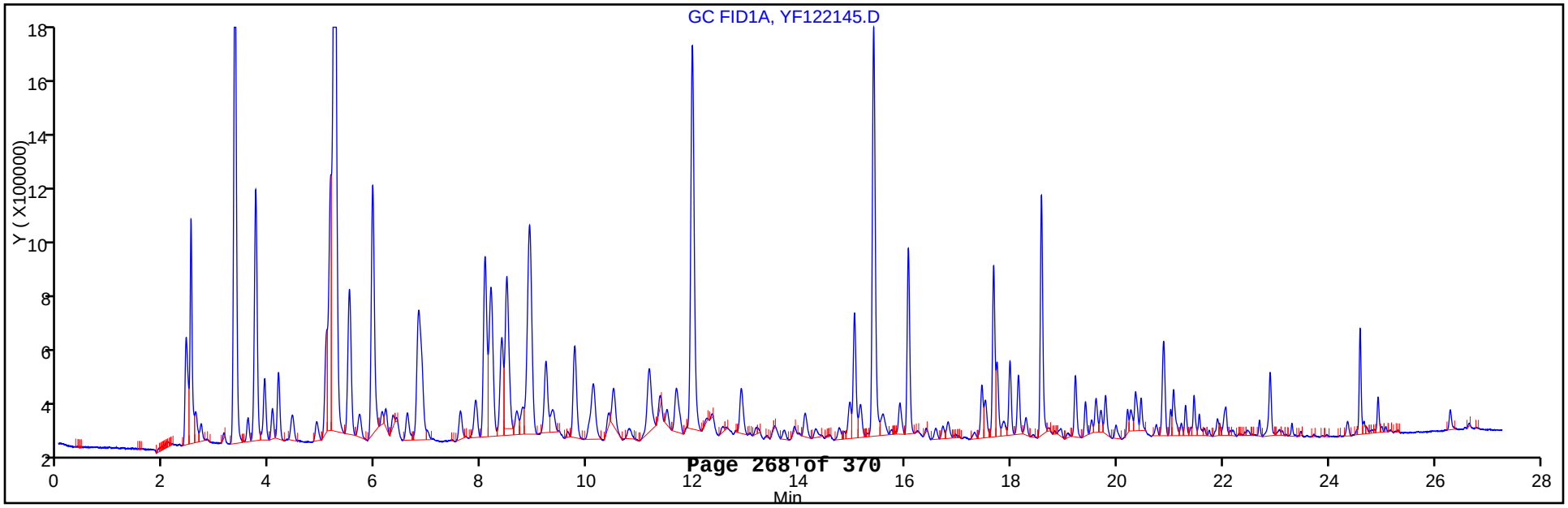
Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122145.D

Injection Date:	22-Dec-2012 14:25:29	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	69738	Lims Sample ID:	45
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Lab Sample ID: CCV 240-69738/50 Calibration Date: 12/22/2012 17:35

Instrument ID: YPID Calib Start Date: 08/15/2012 18:36

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 08/15/2012 22:00

Lab File ID: YF122150.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C6-C10	Ave	136020	119977		706	800	-11.8	15.0
C6-C12	Lin		134136		738	800	-7.8	15.0
Trifluorotoluene (Surr)	Ave	153716	144969		9.43	10.0	-5.7	15.0

FORM VII

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Lab Sample ID: CCV 240-69738/50 Calibration Date: 12/22/2012 17:35

Instrument ID: YPID Calib Start Date: 08/15/2012 18:36

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 08/15/2012 22:00

Lab File ID: YF122150.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
C6-C10	11.83	4.90	18.76
C6-C12	13.46	5.00	21.92
Trifluorotoluene (Surr)	9.76	9.51	10.01

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20121221-16087.b\YF122150.D		
Lims ID:	CCV GAS	Client ID:	
Inject. Date:	22-Dec-2012 17:35:13	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0016087-050		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	69738	Lims Sample ID:	50
Sublist:	chrom-Y80158021*sub7		
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20121221-16087.b\Y80158021.m		
Last Update:	26-Dec-2012 15:23:34	Calib Date:	27-Aug-2012 15:06:37
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		
First Level Reviewer: bosworthh		Date:	24-Dec-2012 06:47:10

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.756	9.756	0.0	1449688	9.43	M
A 5 C6-C10	2	11.831	4.901 -	18.760	95981288	705.6	
A 1 C6-C12	2	13.461	5.001 -	21.920	107309195	737.8	

QC Flag Legend

Review Flags
M - Manually Integrated

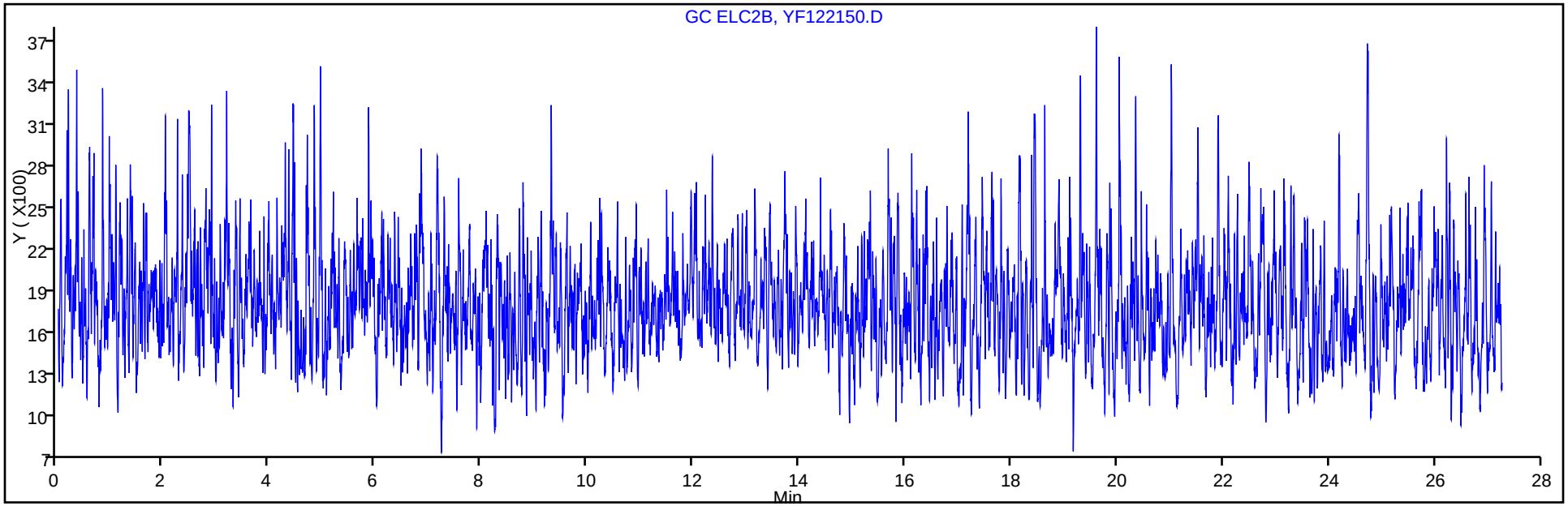
Report Date: 26-Dec-2012 15:23:34 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

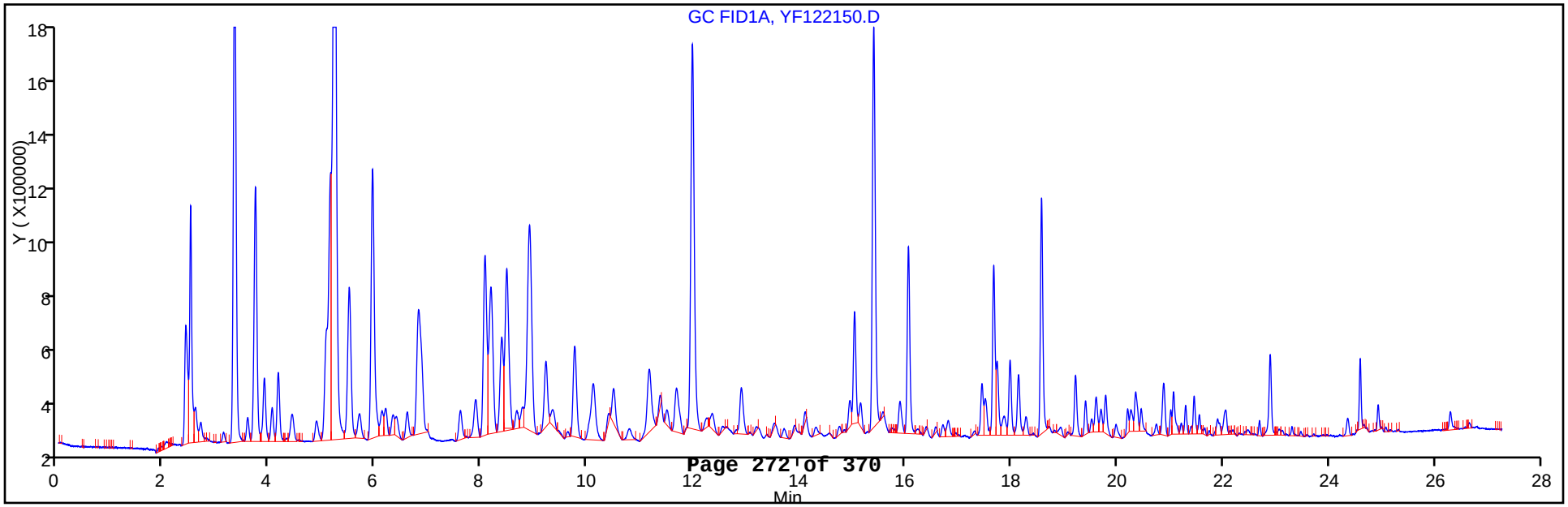
Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122150.D

Injection Date:	22-Dec-2012 17:35:13	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	69738	Lims Sample ID:	50
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



Manual Integration/User Assign Peak Report

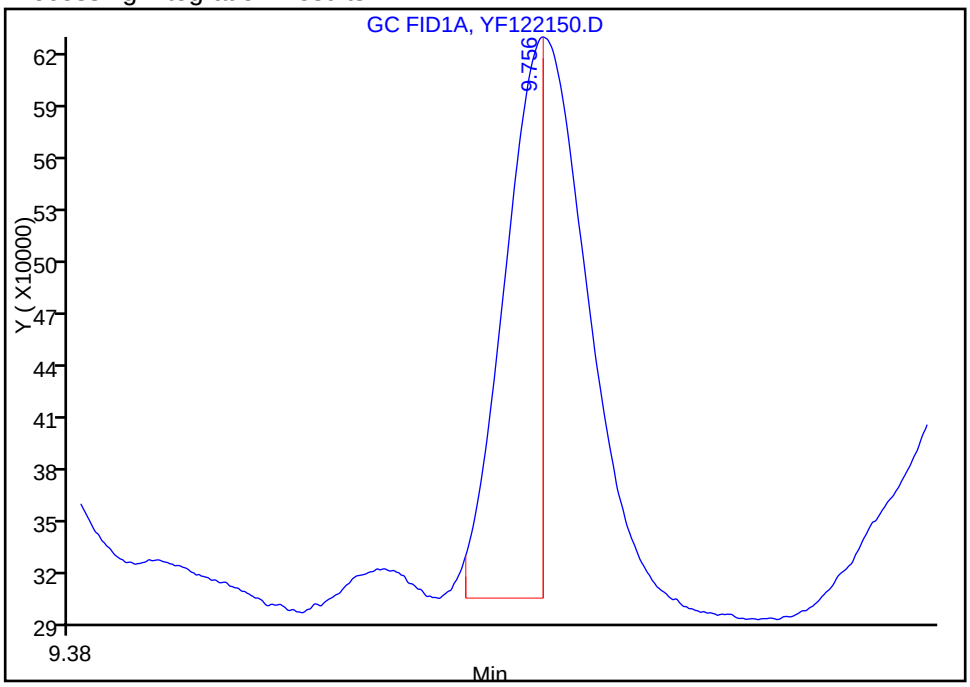
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\YPID\20121221-16087.b\YF122150.D		
Injection Date:	22-Dec-2012 17:35:13	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	69738	Lims Sample ID:	50
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

$ 16 Trifluorotoluene (Surr), Signal: 1, Type: quant, RT: 9.76, Det: GC FID1A

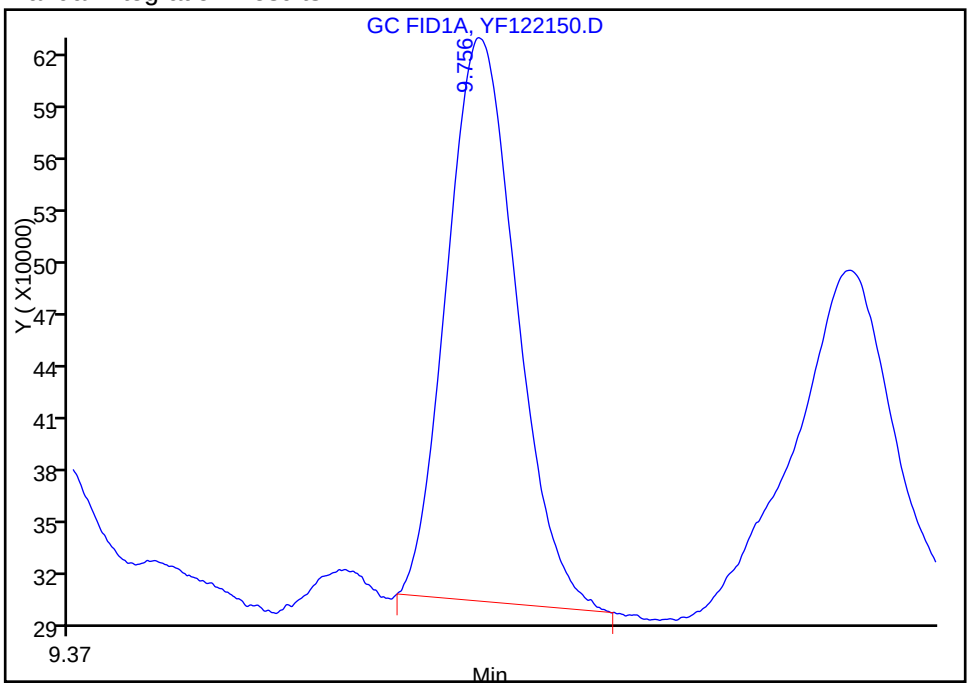
Processing Integration Results

RT: 9.76
Response: 649352
Amount: 4.224369



Manual Integration Results

RT: 9.76
Response: 1449688
Amount: 9.430967



Reviewer: bosworthh, 24-Dec-2012 06:47:10
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Lab Sample ID: CCV 240-69738/61 Calibration Date: 12/23/2012 00:38

Instrument ID: YPID Calib Start Date: 08/15/2012 18:36

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 08/15/2012 22:00

Lab File ID: YF122161.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C6-C10	Ave	136020	118261		696	800	-13.1	15.0
C6-C12	Lin		132246		727	800	-9.2	15.0
Trifluorotoluene (Surr)	Ave	153716	139439		9.07	10.0	-9.3	15.0

FORM VII

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Lab Sample ID: CCV 240-69738/61 Calibration Date: 12/23/2012 00:38

Instrument ID: YPID Calib Start Date: 08/15/2012 18:36

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 08/15/2012 22:00

Lab File ID: YF122161.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
C6-C10	11.83	4.90	18.76
C6-C12	13.46	5.00	21.92
Trifluorotoluene (Surr)	9.76	9.51	10.01

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20121221-16087.b\YF122161.D		
Lims ID:	CCV GAS	Client ID:	
Inject. Date:	23-Dec-2012 00:38:20	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0016087-061		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	69738	Lims Sample ID:	61
Sublist:	chrom-Y80158021*sub7		
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20121221-16087.b\Y80158021.m		
Last Update:	26-Dec-2012 15:23:46	Calib Date:	27-Aug-2012 15:06:37
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		
First Level Reviewer: bosworthh		Date:	24-Dec-2012 06:48:33

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.757	9.757	0.0	1394394	9.07	
A 5 C6-C10	2	11.831	4.901 -	18.760	94608599	695.5	
A 1 C6-C12	2	13.461	5.001 -	21.920	105797102	726.7	

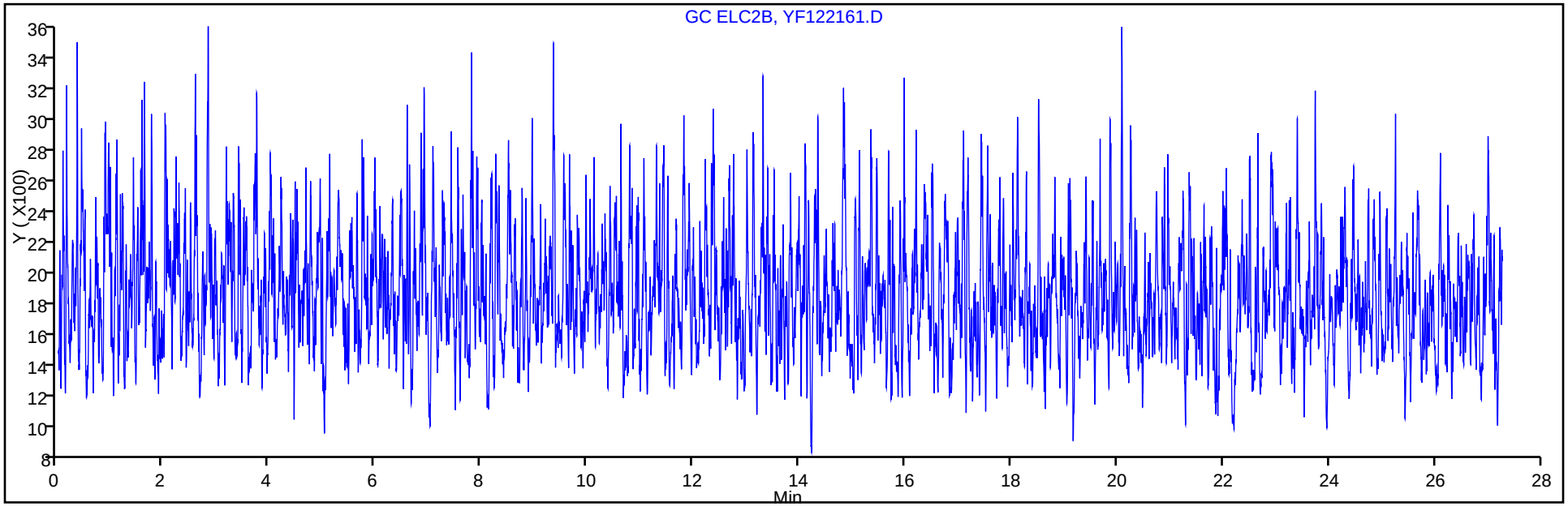
Report Date: 26-Dec-2012 15:23:47 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

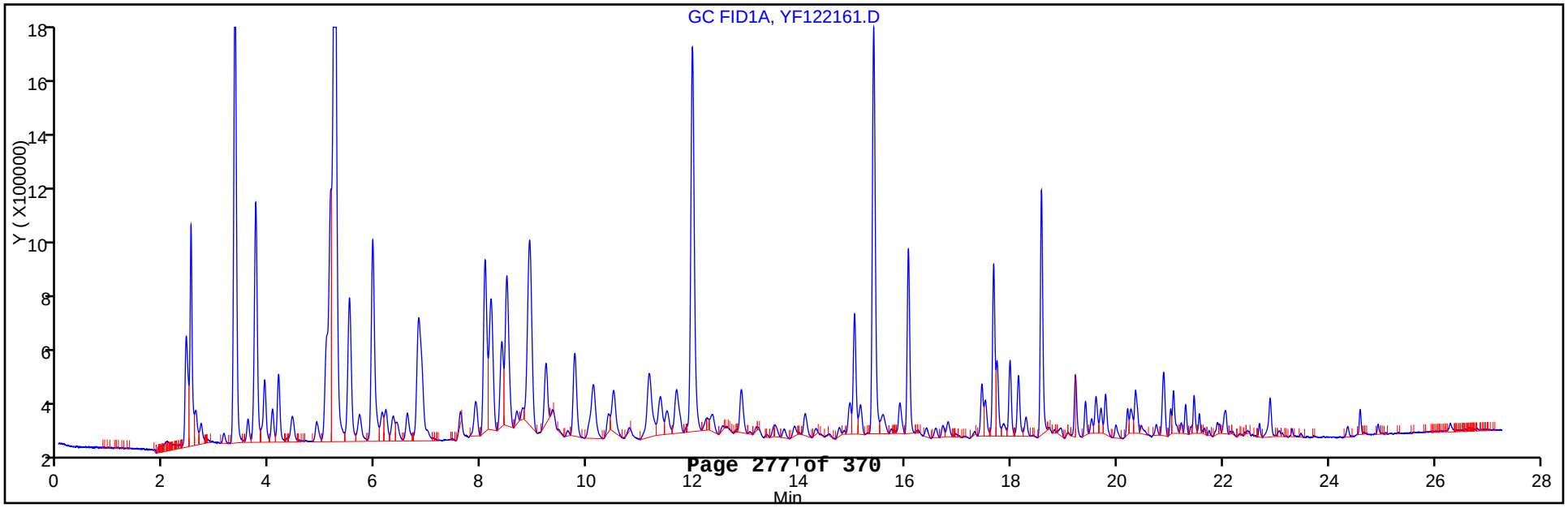
Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122161.D

Injection Date:	23-Dec-2012 00:38:20	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	69738	Lims Sample ID:	61
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Lab Sample ID: CCV 240-69738/71 Calibration Date: 12/23/2012 06:55

Instrument ID: YPID Calib Start Date: 08/15/2012 18:36

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 08/15/2012 22:00

Lab File ID: YF122171.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C6-C10	Ave	136020	121596		715	800	-10.6	15.0
C6-C12	Lin		135835		748	800	-6.5	15.0
Trifluorotoluene (Surr)	Ave	153716	139982		9.11	10.0	-8.9	15.0

FORM VII

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Lab Sample ID: CCV 240-69738/71 Calibration Date: 12/23/2012 06:55

Instrument ID: YPID Calib Start Date: 08/15/2012 18:36

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 08/15/2012 22:00

Lab File ID: YF122171.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
C6-C10	11.83	4.90	18.76
C6-C12	13.46	5.00	21.92
Trifluorotoluene (Surr)	9.76	9.51	10.01

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122171.D
Lims ID: CCV GAS Client ID:
Inject. Date: 23-Dec-2012 06:55:16 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016087-071
Misc. Info.:
Operator: 1765 Instrument ID: YPID
Purge Vol: 5.000 mL ALS Bottle#: 1
Lims Batch ID: 69738 Lims Sample ID: 71
Sublist: chrom-Y80158021*sub7
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\YPID\20121221-16087.b\Y80158021.m
Last Update: 26-Dec-2012 15:23:58 Calib Date: 27-Aug-2012 15:06:37
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D
Limit Group: GCV 8015B GRO ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

First Level Reviewer: bosworthh Date: 24-Dec-2012 06:51:52

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.759	9.759	0.0	1399820	9.11	M
A 5 C6-C10	2	11.831	4.901 -	18.760	97276662	715.2	
A 1 C6-C12	2	13.461	5.001 -	21.920	108667881	747.7	

QC Flag Legend

Review Flags
M - Manually Integrated

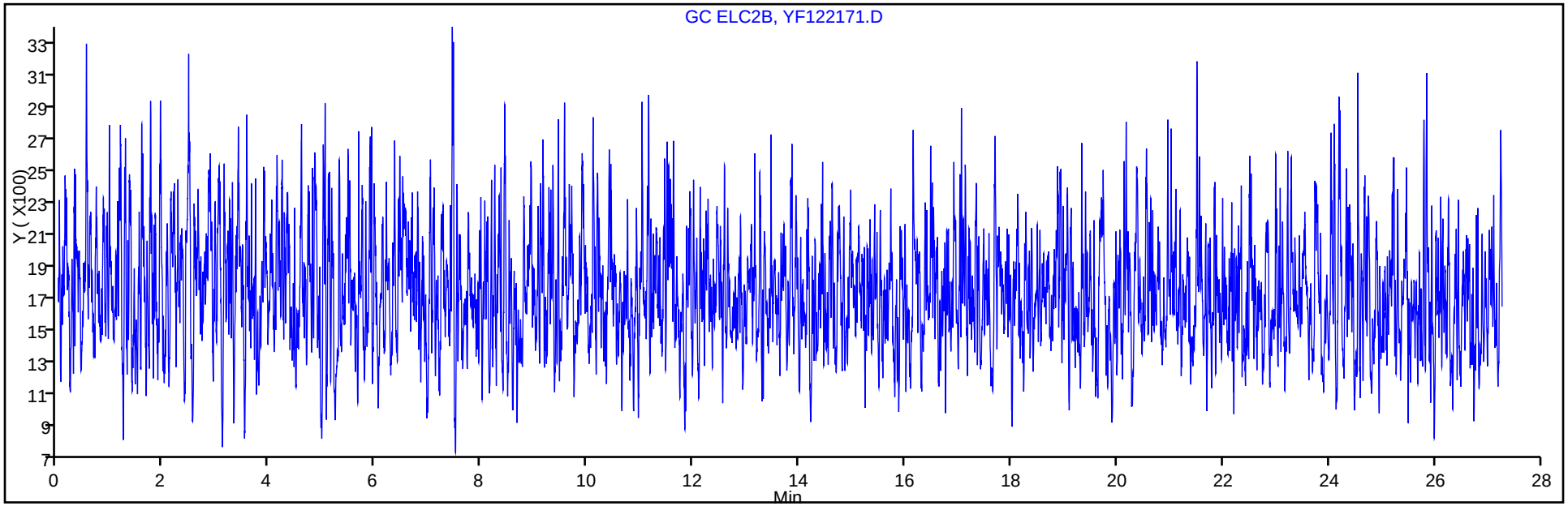
Report Date: 26-Dec-2012 15:23:59 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

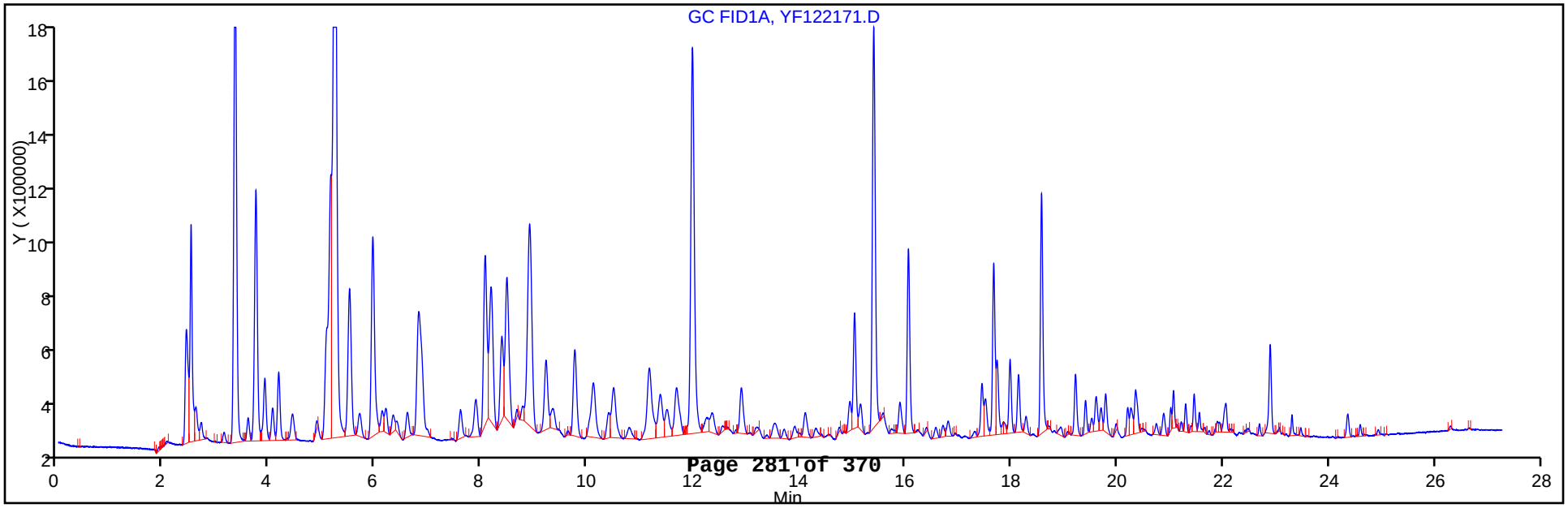
Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122171.D

Injection Date:	23-Dec-2012 06:55:16	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	69738	Lims Sample ID:	71
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



Manual Integration/User Assign Peak Report

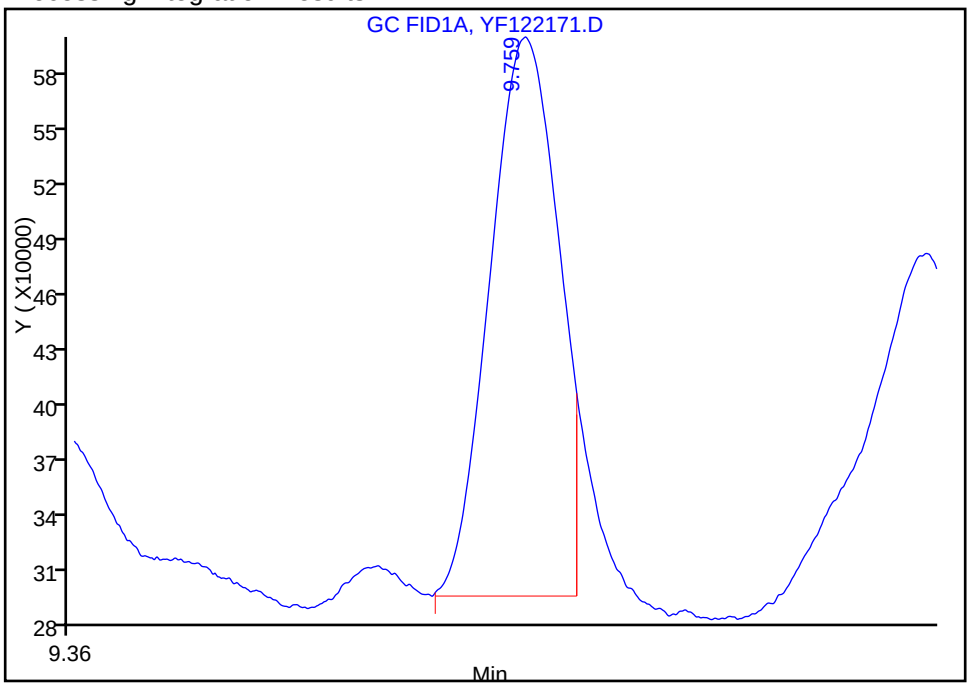
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\YPID\20121221-16087.b\YF122171.D		
Injection Date:	23-Dec-2012 06:55:16	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	69738	Lims Sample ID:	71
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

$ 16 Trifluorotoluene (Surr), Signal: 1, Type: quant, RT: 9.76, Det: GC FID1A

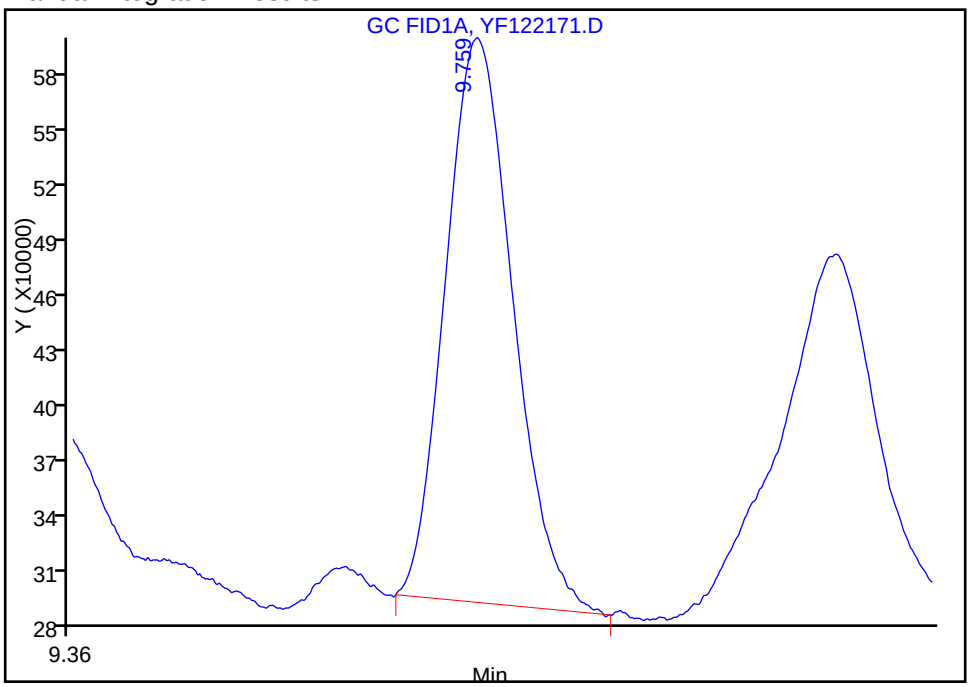
Processing Integration Results

RT: 9.76
Response: 1239838
Amount: 8.065785



Manual Integration Results

RT: 9.76
Response: 1399820
Amount: 9.106550



Reviewer: bosworthh, 24-Dec-2012 06:51:52
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Lab Sample ID: CCV 240-69738/75 Calibration Date: 12/23/2012 09:27

Instrument ID: YPID Calib Start Date: 08/15/2012 18:36

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 08/15/2012 22:00

Lab File ID: YF122175.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C6-C10	Ave	136020	122627		721	800	-9.8	15.0
C6-C12	Lin		138230		762	800	-4.8	15.0
Trifluorotoluene (Surr)	Ave	153716	147689		9.61	10.0	-3.9	15.0

FORM VII

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Lab Sample ID: CCV 240-69738/75 Calibration Date: 12/23/2012 09:27

Instrument ID: YPID Calib Start Date: 08/15/2012 18:36

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 08/15/2012 22:00

Lab File ID: YF122175.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
C6-C10	11.83	4.90	18.76
C6-C12	13.46	5.00	21.92
Trifluorotoluene (Surr)	9.76	9.51	10.01

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20121221-16087.b\YF122175.D		
Lims ID:	CCV GAS	Client ID:	
Inject. Date:	23-Dec-2012 09:27:02	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0016087-075		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	69738	Lims Sample ID:	75
Sublist:	chrom-Y80158021*sub7		
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20121221-16087.b\Y80158021.m		
Last Update:	26-Dec-2012 15:24:04	Calib Date:	27-Aug-2012 15:06:37
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.757	9.757	0.0	1476887	9.61	
A 5 C6-C10	2	11.831	4.901 -	18.760	98101349	721.2	
A 1 C6-C12	2	13.461	5.001 -	21.920	110583737	761.8	

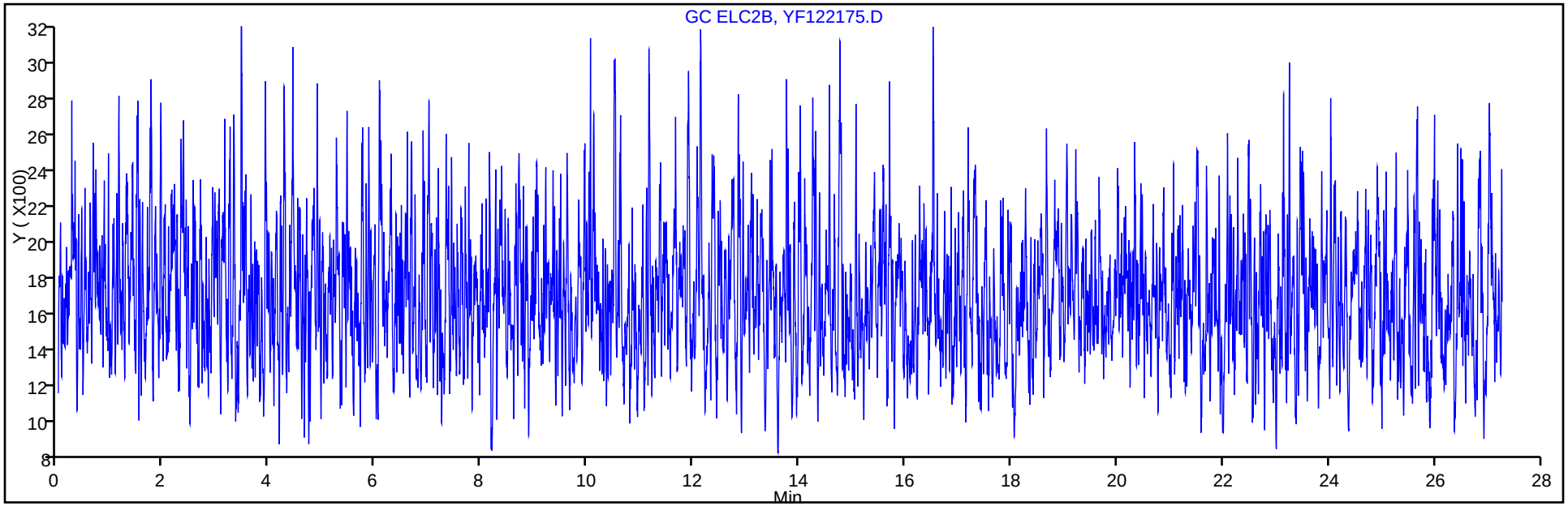
Report Date: 26-Dec-2012 15:24:05 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

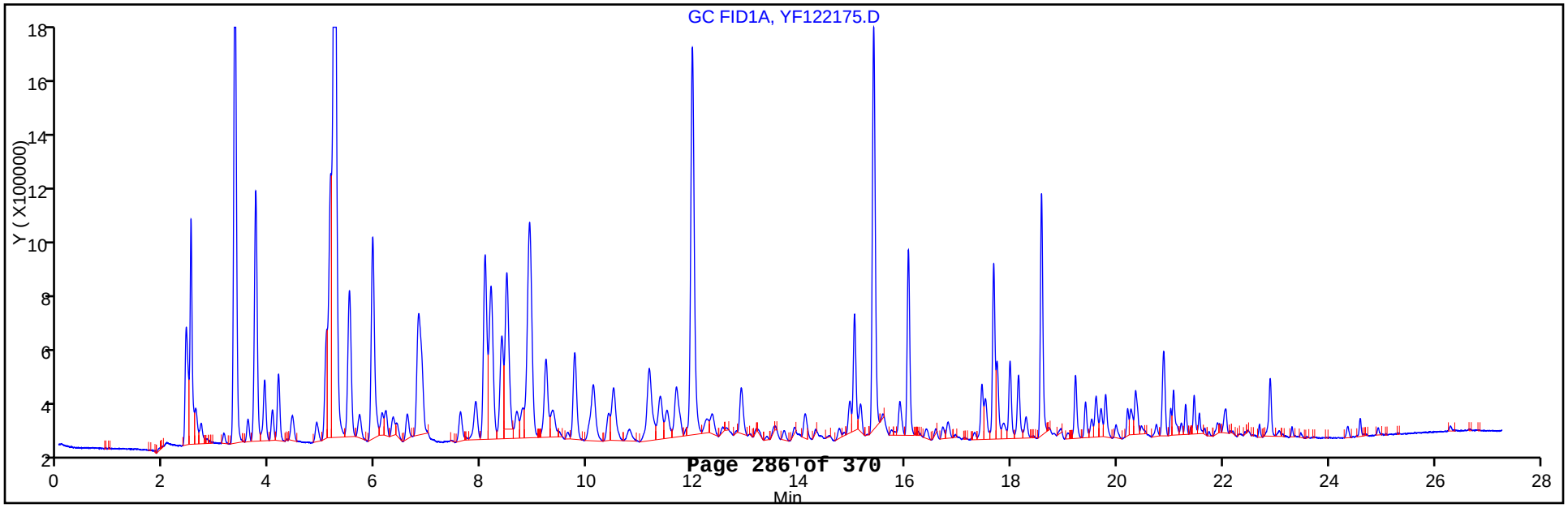
Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122175.D

Injection Date:	23-Dec-2012 09:27:02	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	69738	Lims Sample ID:	75
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-69738/36

Matrix: Water Lab File ID: YF122136.D

Analysis Method: 8015B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/22/2012 08:46

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VRX ID: 0.45(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69738 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00061	C6-C12	50	U	100	50	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	Trifluorotoluene (Surr)	76		10-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122136.D
Lims ID: MB Client ID:
Inject. Date: 22-Dec-2012 08:46:08 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0016087-036
Misc. Info.:
Operator: 1765 Instrument ID: YPID
Purge Vol: 5.000 mL ALS Bottle#: 1
Lims Batch ID: 69738 Lims Sample ID: 36
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\YPID\20121221-16087.b\Y80158021.m
Last Update: 26-Dec-2012 15:23:15 Calib Date: 27-Aug-2012 15:06:37
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D
Limit Group: GCV 8015B GRO ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
S 17 Xylenes, Total	1		0.000				7
6 2-Methylpentane	2	5.143	5.137	0.006	6239	0	
12 Methyl tert-butyl ether	2		5.208				1
3 Benzene	1		7.999				1
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.757	9.759	-0.002	1167529	7.60	
$ 18 a,a,a-Trifluorotoluene (pid)	1		9.772				1
A 5 C6-C10	2	11.831	4.901 -	18.760	4684221	34.4	
8 Toluene	1		11.964				1
A 1 C6-C12	2		5.001 -	21.920			
A 11 GRO	2	13.655	4.996 -	22.314	10997348	0	
13 Ethylbenzene	1		15.042				1
2 m-Xylene & p-Xylene	1		15.410				1
4 o-Xylene	1		16.061				1
10 1,3,5-Trimethylbenzene	1		17.985				1
7 1,2,4-Trimethylbenzene	1		18.579				1
14 Dodecane	2	21.908	21.750	0.158	18018	0	
9 Naphthalene	2	22.063	22.060	0.003	9697	0	

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

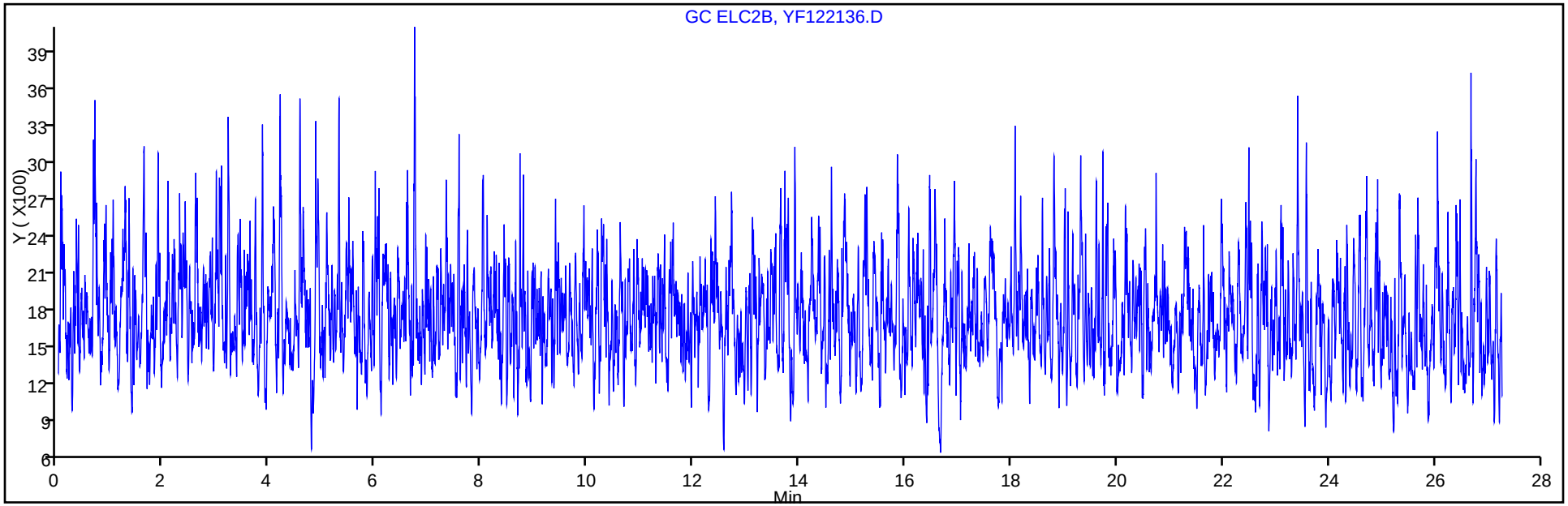
Report Date: 26-Dec-2012 15:23:17 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

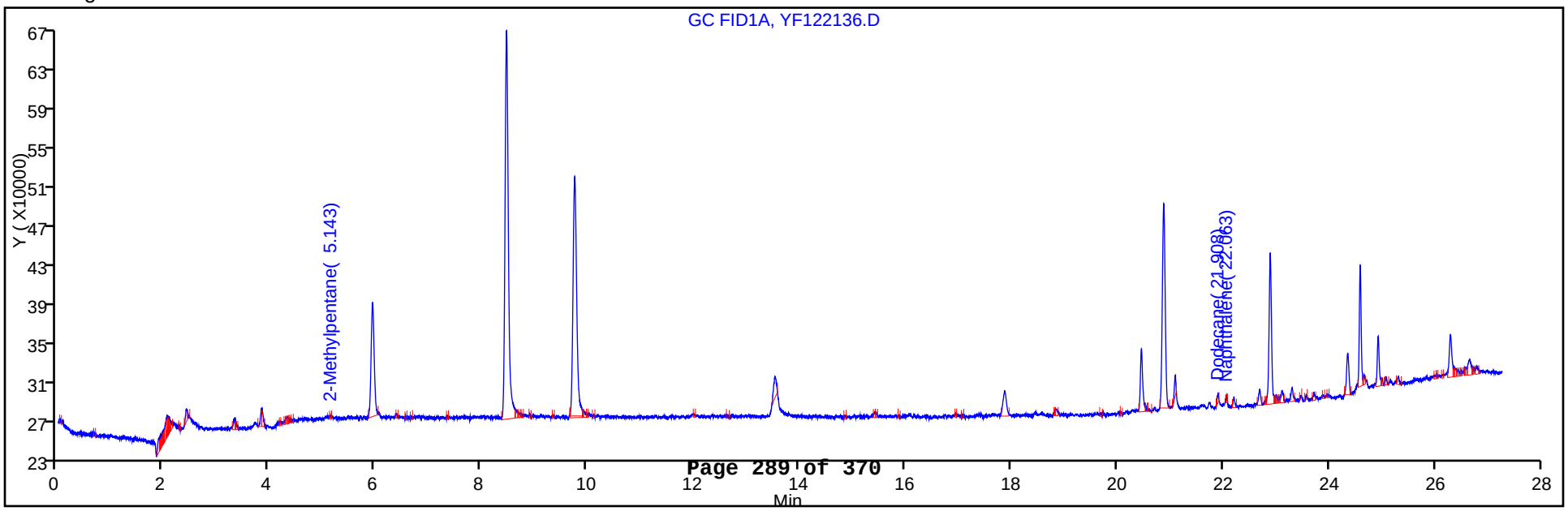
Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122136.D

Injection Date:	22-Dec-2012 08:46:08	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	69738	Lims Sample ID:	36
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-69738/52

Matrix: Solid Lab File ID: YF122152.D

Analysis Method: 8015B Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 12/22/2012 18:53

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VRX ID: 0.45(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69738 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00061	C6-C12	50	U	100	50	46

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	Trifluorotoluene (Surr)	89		10-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122152.D
Lims ID: MB Client ID:
Inject. Date: 22-Dec-2012 18:53:12 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0016087-052
Misc. Info.:
Operator: 1765 Instrument ID: YPID
Purge Vol: 5.000 mL ALS Bottle#: 1
Lims Batch ID: 69738 Lims Sample ID: 52
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\YPID\20121221-16087.b\Y80158021.m
Last Update: 26-Dec-2012 15:23:34 Calib Date: 27-Aug-2012 15:06:37
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D
Limit Group: GCV 8015B GRO ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
S 17 Xylenes, Total	1		0.000				7
6 2-Methylpentane	2	5.133	5.137	-0.004	22289	0	
12 Methyl tert-butyl ether	2	5.202	5.208	-0.006	5634	0	
3 Benzene	1		7.999				1
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.750	9.756	-0.006	1372651	8.93	
$ 18 a,a,a-Trifluorotoluene (pid)	1		9.772				1
A 5 C6-C10	2	11.831	4.901 - 18.760		7484601	55.0	
8 Toluene	1		11.964				1
A 1 C6-C12	2	13.461	5.001 - 21.920		10607191	28.6	
A 11 GRO	2	13.655	4.996 - 22.314		14125124	0	
13 Ethylbenzene	1		15.042				1
2 m-Xylene & p-Xylene	1		15.410				1
4 o-Xylene	1		16.061				1
10 1,3,5-Trimethylbenzene	1		17.985				1
7 1,2,4-Trimethylbenzene	1	0.000	18.579	-18.579	0	0	
14 Dodecane	2	21.751	21.750	0.001	33603	0	
9 Naphthalene	2	22.070	22.060	0.010	17844	0	

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

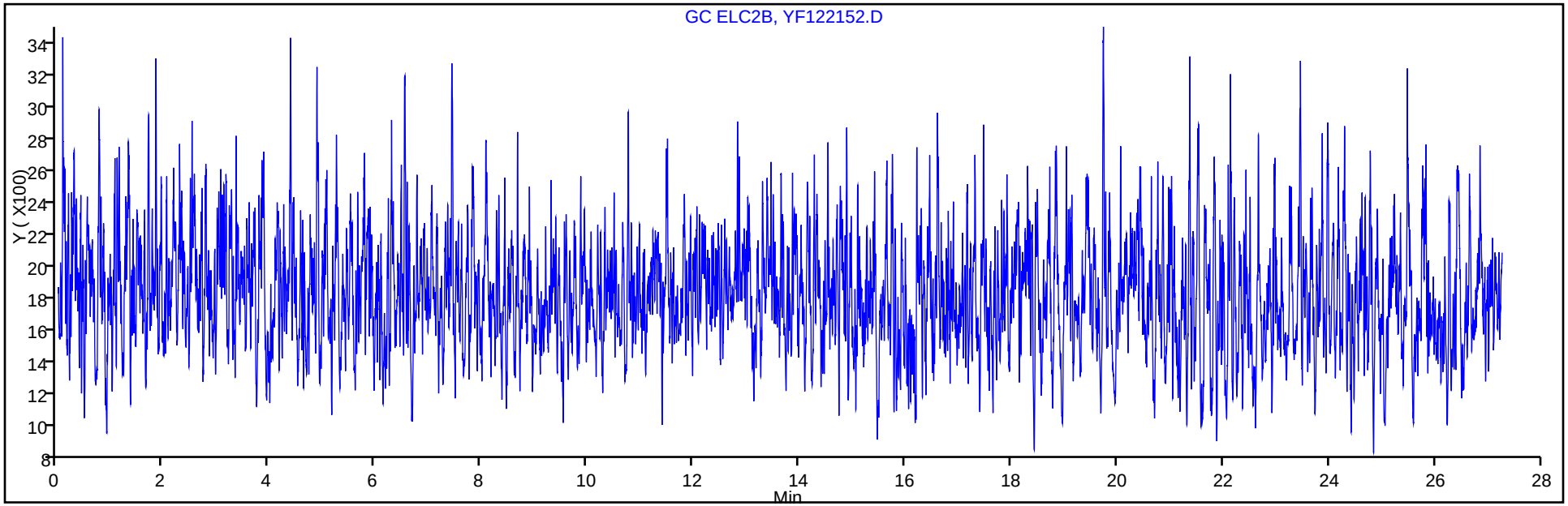
Report Date: 26-Dec-2012 15:23:37 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

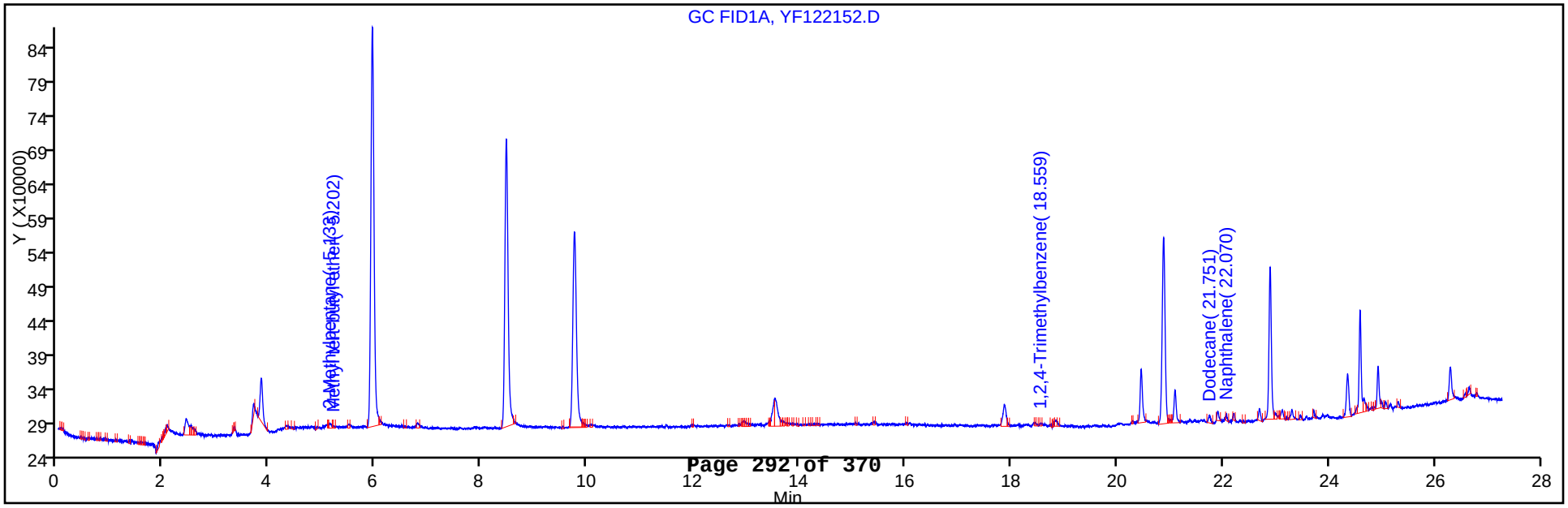
Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122152.D

Injection Date:	22-Dec-2012 18:53:12	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	69738	Lims Sample ID:	52
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-69738/37

Matrix: Water Lab File ID: YF122137.D

Analysis Method: 8015B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/22/2012 09:24

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VRX ID: 0.45(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69738 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00061	C6-C12	830		100	50	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	Trifluorotoluene (Surr)	92		10-150

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20121221-16087.b\YF122137.D		
Lims ID:	LCS	Client ID:	
Inject. Date:	22-Dec-2012 09:24:22	Dil. Factor:	1.0000
Sample Type:	LCS		
Sample ID:	240-0016087-037		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	69738	Lims Sample ID:	37
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20121221-16087.b\Y80158021.m		
Last Update:	26-Dec-2012 15:23:15	Calib Date:	27-Aug-2012 15:06:37
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.757	9.759	-0.002	1418046	9.23	
A 5 C6-C10	2	11.831	4.901 -	18.760	105727048	777.3	
A 1 C6-C12	2	13.461	5.001 -	21.920	119867350	829.9	

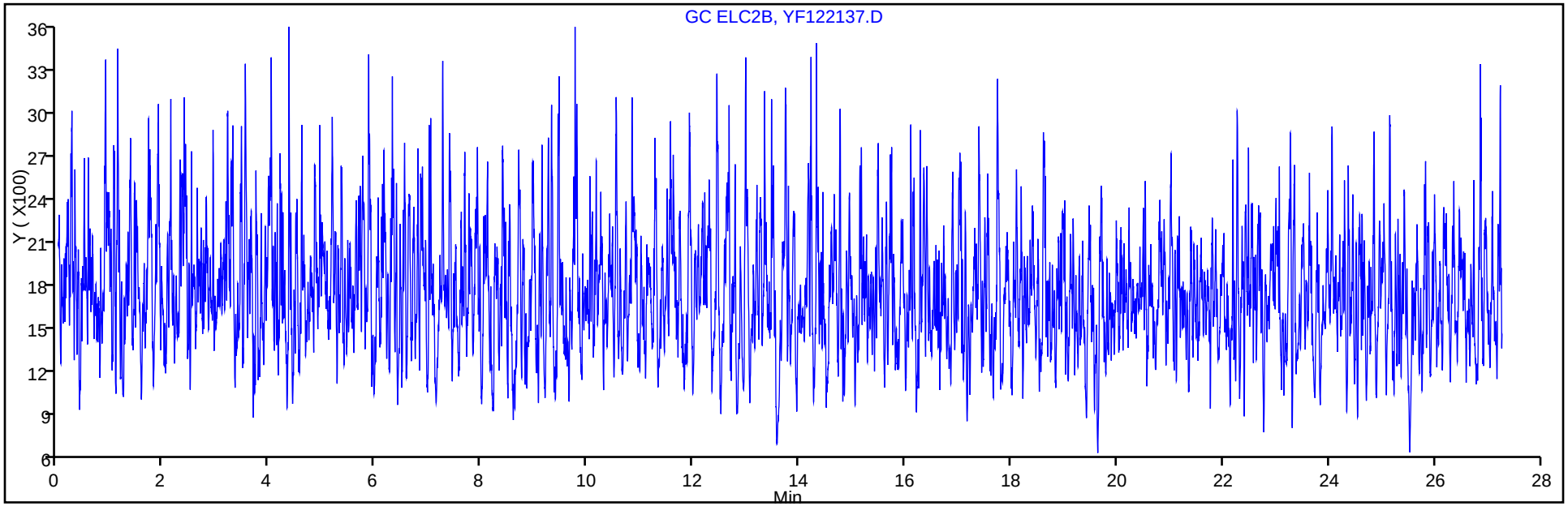
Report Date: 26-Dec-2012 15:23:19 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

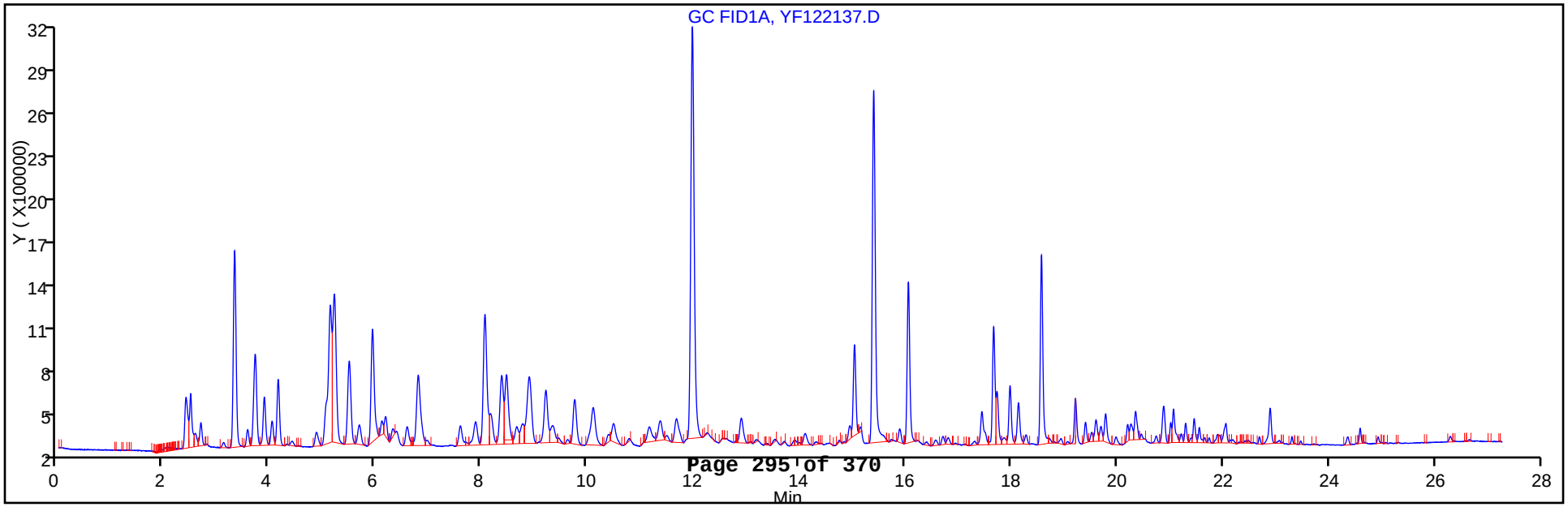
Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122137.D

Injection Date:	22-Dec-2012 09:24:22	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	69738	Lims Sample ID:	37
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-69738/53

Matrix: Solid Lab File ID: YF122153.D

Analysis Method: 8015B Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 12/22/2012 19:32

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VRX ID: 0.45(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69738 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00061	C6-C12	965		100	50	46

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	Trifluorotoluene (Surr)	101		10-150

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20121221-16087.b\YF122153.D		
Lims ID:	LCS	Client ID:	
Inject. Date:	22-Dec-2012 19:32:12	Dil. Factor:	1.0000
Sample Type:	LCS		
Sample ID:	240-0016087-053		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	69738	Lims Sample ID:	53
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20121221-16087.b\Y80158021.m		
Last Update:	26-Dec-2012 15:23:34	Calib Date:	27-Aug-2012 15:06:37
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.756	9.756	0.0	1548055	10.1	
A 5 C6-C10	2	11.831	4.901 -	18.760	120387074	885.1	
A 1 C6-C12	2	13.461	5.001 -	21.920	138265879	964.8	

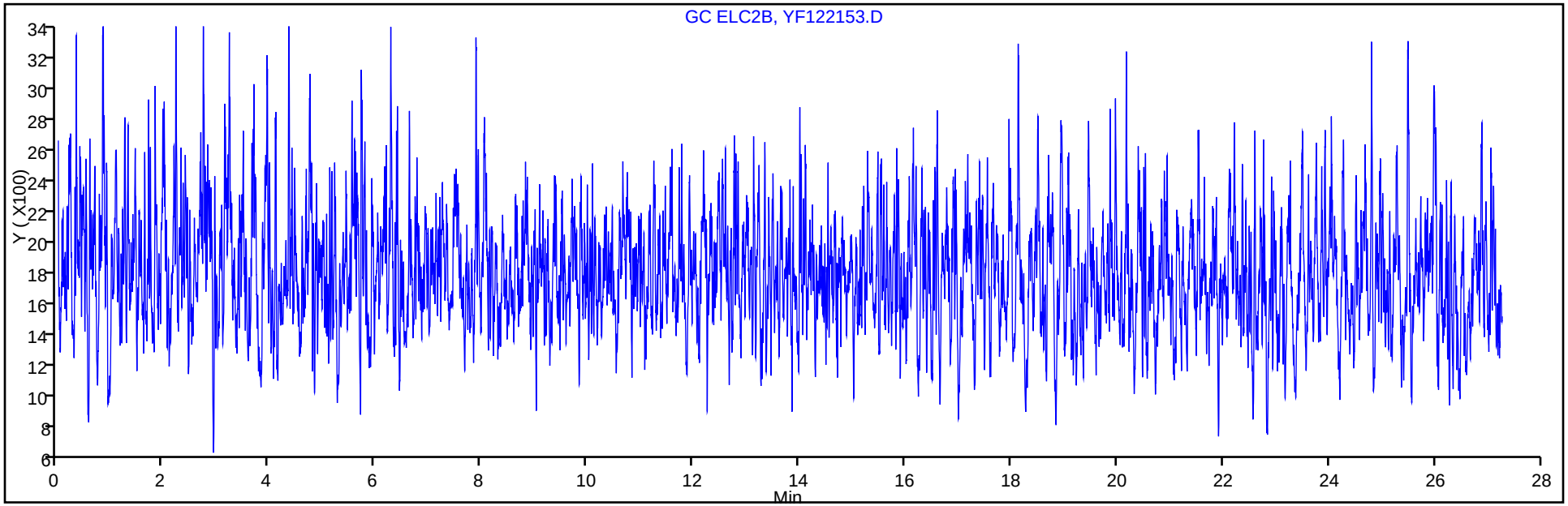
Report Date: 26-Dec-2012 15:23:38 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

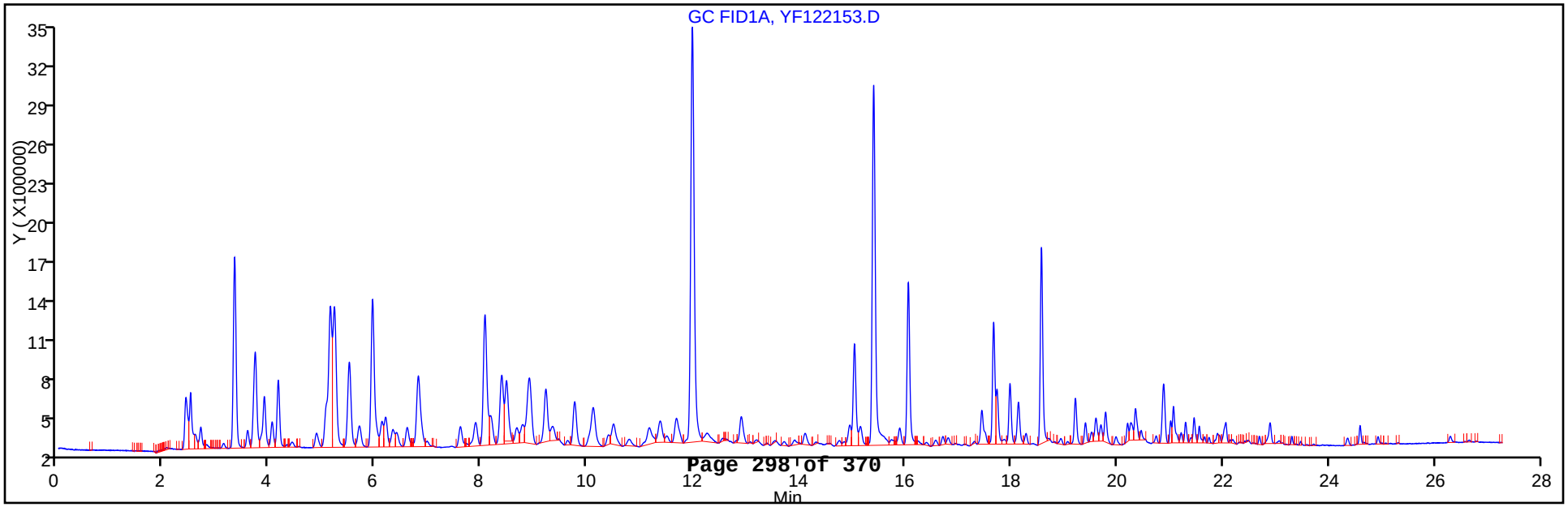
Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122153.D

Injection Date:	22-Dec-2012 19:32:12	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	69738	Lims Sample ID:	53
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-69738/35

Matrix: Water Lab File ID: YF122135.D

Analysis Method: 8015B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/22/2012 08:08

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VRX ID: 0.45(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69738 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00061	C6-C12	78.6	J	100	50	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	Trifluorotoluene (Surr)	85		70-130

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122135.D
Lims ID: MRL Client ID:
Inject. Date: 22-Dec-2012 08:08:28 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0016087-035
Misc. Info.:
Operator: 1765 Instrument ID: YPID
Purge Vol: 5.000 mL ALS Bottle#: 1
Lims Batch ID: 69738 Lims Sample ID: 35
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\YPID\20121221-16087.b\Y80158021.m
Last Update: 26-Dec-2012 15:23:15 Calib Date: 27-Aug-2012 15:06:37
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D
Limit Group: GCV 8015B GRO ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
S 17 Xylenes, Total	1		0.000				7
6 2-Methylpentane	2	5.140	5.137	0.003	303010	0	
12 Methyl tert-butyl ether	2	5.224	5.208	0.016	1326135	0	
3 Benzene	1		7.999				1
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.757	9.759	-0.002	1307279	8.50	
$ 18 a,a,a-Trifluorotoluene (pid)	1		9.772				1
A 5 C6-C10	2	11.831	4.901 -	18.760	14478767	106.4	
8 Toluene	1		11.964				1
A 1 C6-C12	2	13.461	5.001 -	21.920	17415031	78.6	
A 11 GRO	2	13.655	4.996 -	22.314	20949584	0	
13 Ethylbenzene	1		15.042				1
2 m-Xylene & p-Xylene	1		15.410				1
4 o-Xylene	1		16.061				1
10 1,3,5-Trimethylbenzene	1		17.985				1
7 1,2,4-Trimethylbenzene	1	0.000	18.579	-18.579	0	0	
14 Dodecane	2	21.741	21.750	-0.009	10337	0	
9 Naphthalene	2	22.065	22.060	0.005	85261	0	

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

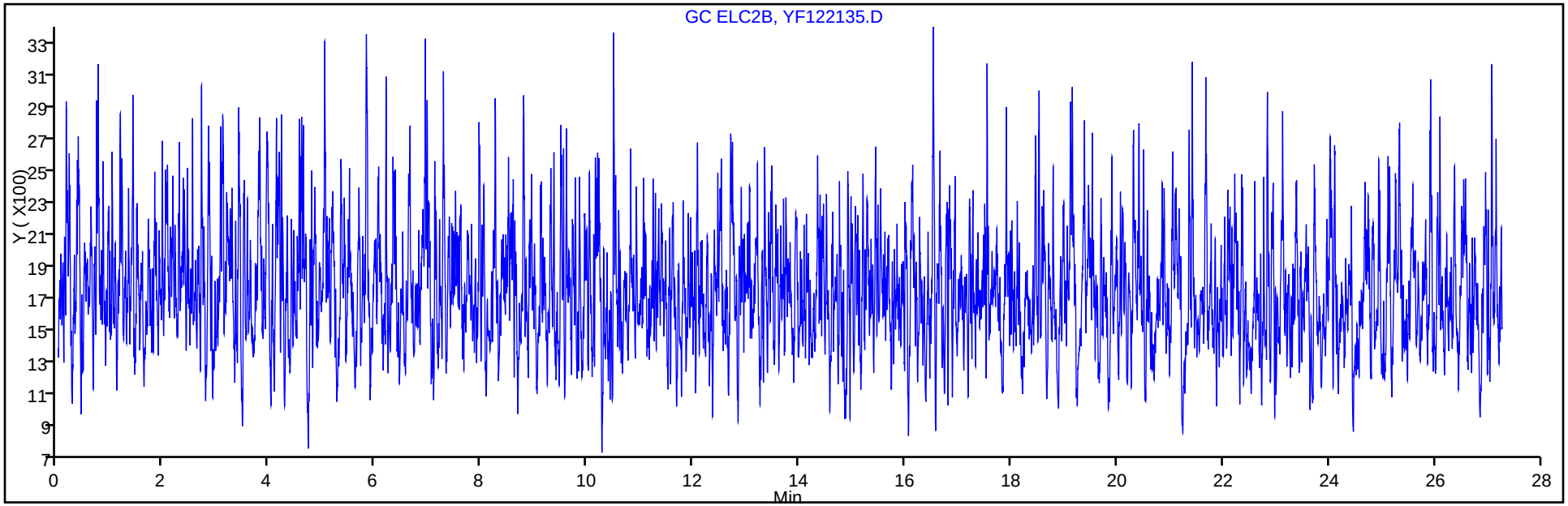
Report Date: 26-Dec-2012 15:23:16 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

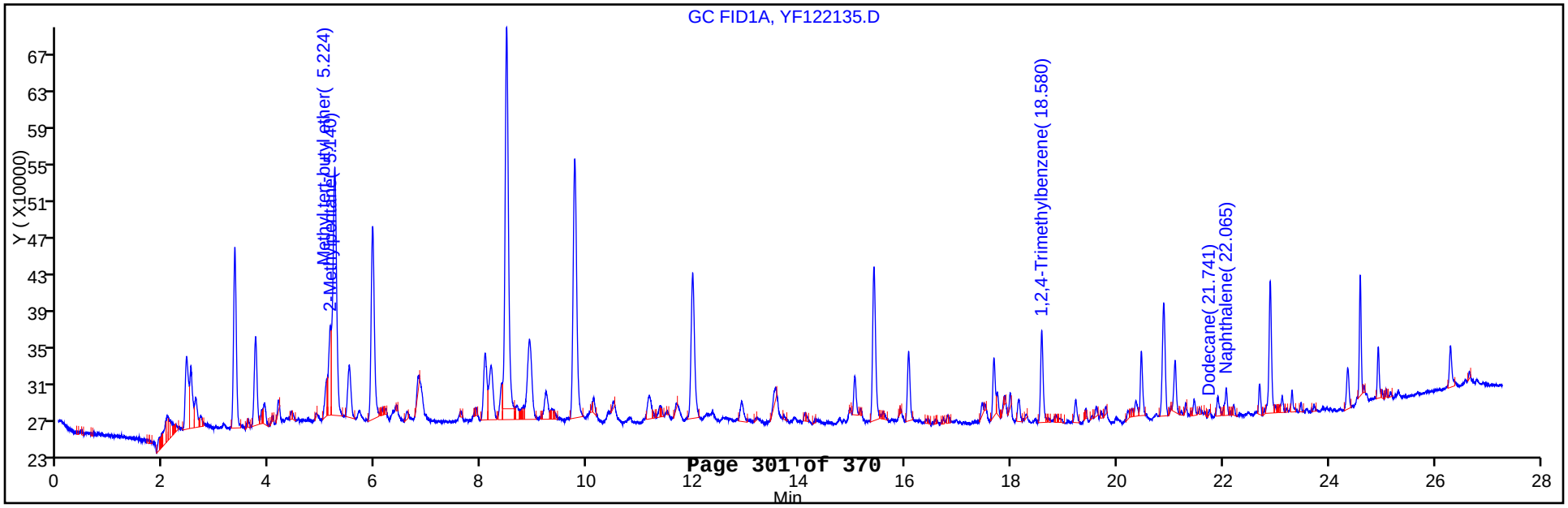
Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122135.D

Injection Date:	22-Dec-2012 08:08:28	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	69738	Lims Sample ID:	35
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-69738/51

Matrix: Solid Lab File ID: YF122151.D

Analysis Method: 8015B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/22/2012 18:14

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VRX ID: 0.45(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69738 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00061	C6-C12	115		100	50	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	Trifluorotoluene (Surr)	85		70-130

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122151.D
Lims ID: MRL Client ID:
Inject. Date: 22-Dec-2012 18:14:18 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0016087-051
Misc. Info.:
Operator: 1765 Instrument ID: YPID
Purge Vol: 5.000 mL ALS Bottle#: 1
Lims Batch ID: 69738 Lims Sample ID: 51
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\YPID\20121221-16087.b\Y80158021.m
Last Update: 26-Dec-2012 15:23:34 Calib Date: 27-Aug-2012 15:06:37
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D
Limit Group: GCV 8015B GRO ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
S 17 Xylenes, Total	1		0.000				7
6 2-Methylpentane	2	5.135	5.137	-0.002	440596	0	
12 Methyl tert-butyl ether	2	5.215	5.208	0.007	1693127	0	
3 Benzene	1		7.999				1
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.755	9.756	-0.001	1313479	8.54	
$ 18 a,a,a-Trifluorotoluene (pid)	1		9.772				1
A 5 C6-C10	2	11.831	4.901 -	18.760	17378842	127.8	
8 Toluene	1		11.964				1
A 1 C6-C12	2	13.461	5.001 -	21.920	22317143	114.5	
A 11 GRO	2	13.655	4.996 -	22.314	25915619	0	
13 Ethylbenzene	1		15.042				1
2 m-Xylene & p-Xylene	1		15.410				1
4 o-Xylene	1		16.061				1
10 1,3,5-Trimethylbenzene	1		17.985				1
7 1,2,4-Trimethylbenzene	1	0.000	18.579	-18.579	0	0	
14 Dodecane	2	21.737	21.750	-0.013	10279	0	
9 Naphthalene	2	22.059	22.060	-0.001	30242	0	

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

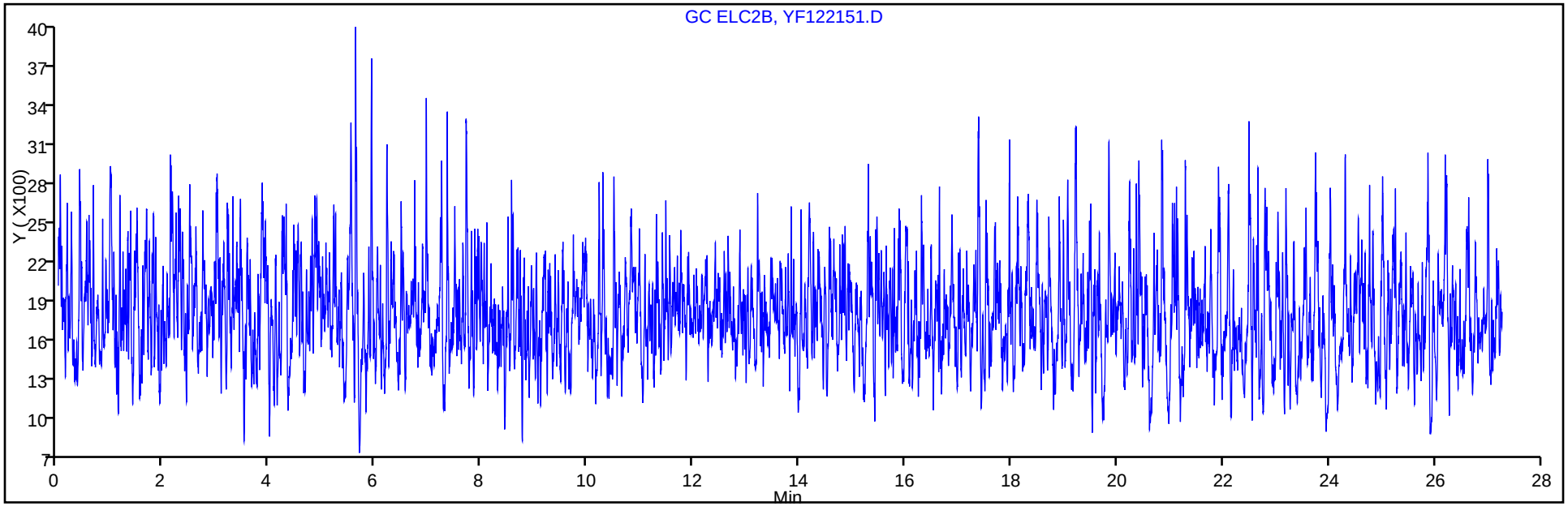
Report Date: 26-Dec-2012 15:23:36 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

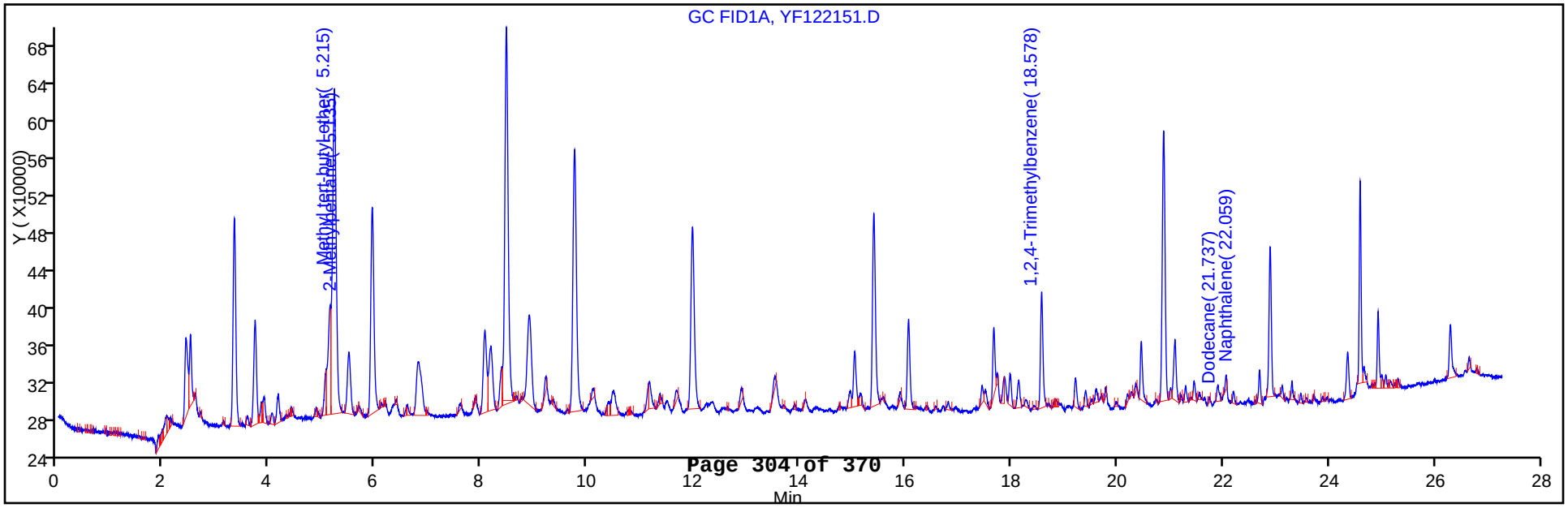
Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122151.D

Injection Date:	22-Dec-2012 18:14:18	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	69738	Lims Sample ID:	51
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-69738/76

Matrix: Solid Lab File ID: YF122176.D

Analysis Method: 8015B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/23/2012 10:05

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VRX ID: 0.45(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69738 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00061	C6-C12	83.6	J	100	50	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	Trifluorotoluene (Surr)	84		70-130

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122176.D
Lims ID: MRL Client ID:
Inject. Date: 23-Dec-2012 10:05:10 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0016087-076
Misc. Info.:
Operator: 1765 Instrument ID: YPID
Purge Vol: 5.000 mL ALS Bottle#: 1
Lims Batch ID: 69738 Lims Sample ID: 76
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\YPID\20121221-16087.b\Y80158021.m
Last Update: 26-Dec-2012 15:24:04 Calib Date: 27-Aug-2012 15:06:37
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D
Limit Group: GCV 8015B GRO ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
S 17 Xylenes, Total	1		0.000				7
6 2-Methylpentane	2	5.137	5.137	0.0	476955	0	
12 Methyl tert-butyl ether	2	5.217	5.208	0.009	1313104	0	
3 Benzene	1		7.999				1
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.754	9.757	-0.003	1294072	8.42	
$ 18 a,a,a-Trifluorotoluene (pid)	1		9.772				1
A 5 C6-C10	2	11.831	4.901 -	18.760	14484505	106.5	
8 Toluene	1		11.964				1
A 1 C6-C12	2	13.461	5.001 -	21.920	18102458	83.6	
A 11 GRO	2	13.655	4.996 -	22.314	21619863	0	
13 Ethylbenzene	1		15.042				1
2 m-Xylene & p-Xylene	1		15.410				1
4 o-Xylene	1		16.061				1
10 1,3,5-Trimethylbenzene	1		17.985				1
7 1,2,4-Trimethylbenzene	1	0.000	18.579	-18.579	0	0	
14 Dodecane	2	21.744	21.750	-0.006	13448	0	
9 Naphthalene	2	22.062	22.060	0.002	103786	0	

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

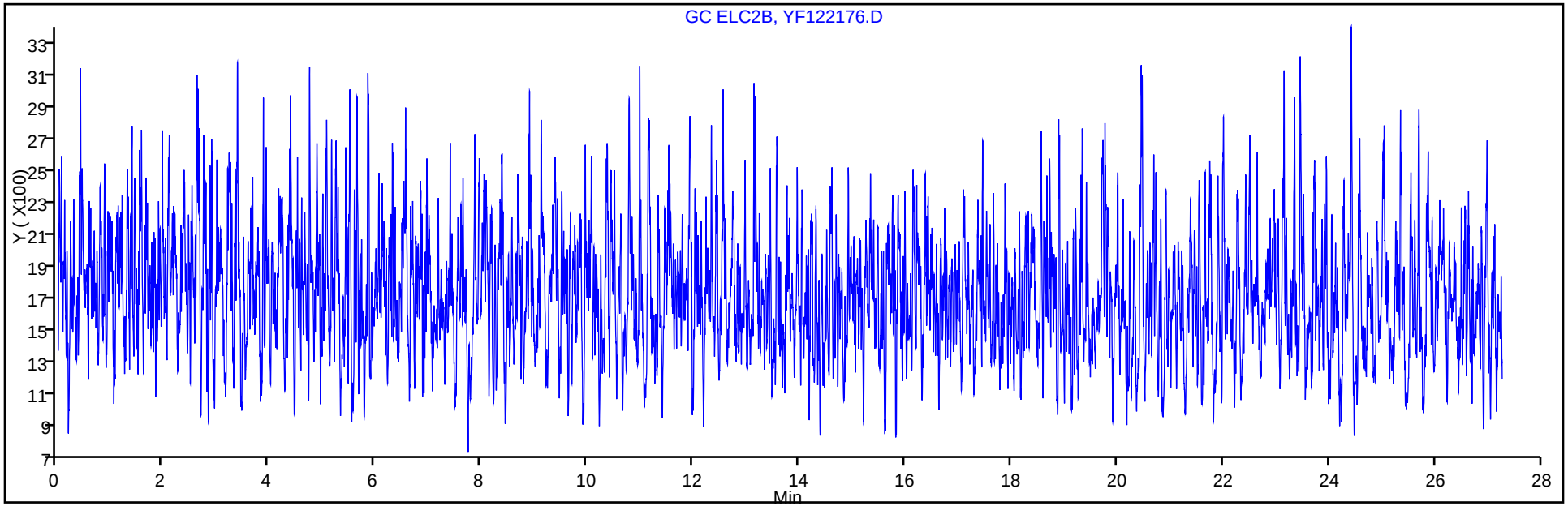
Report Date: 26-Dec-2012 15:24:06 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

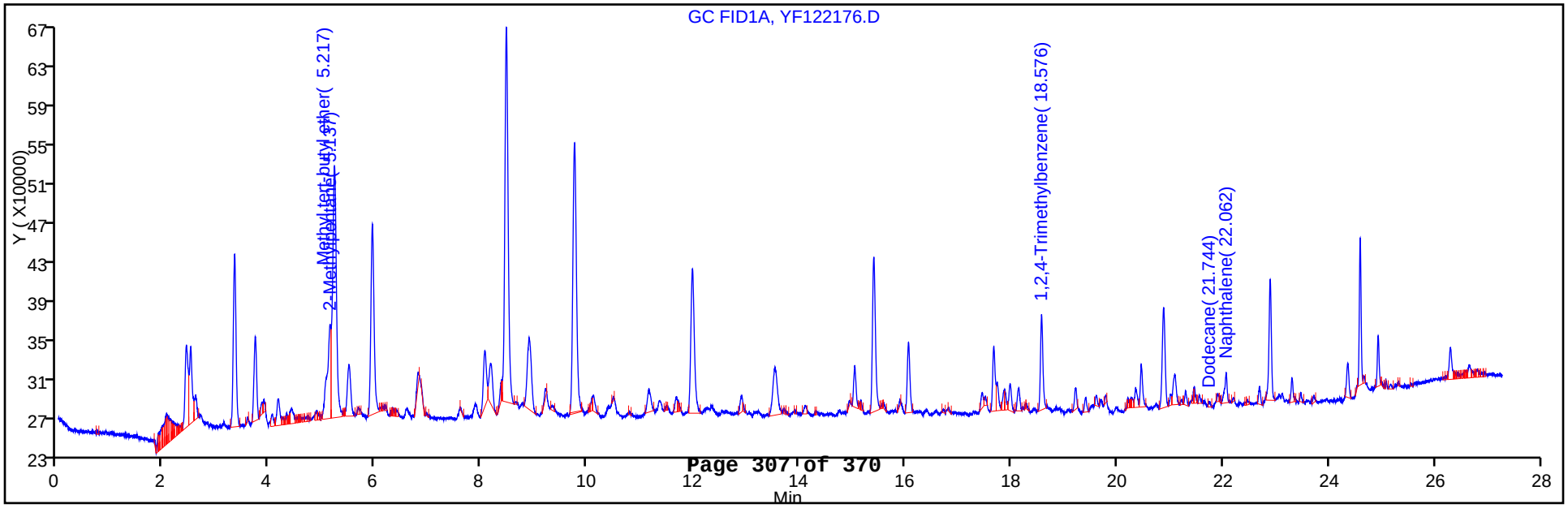
Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122176.D

Injection Date:	23-Dec-2012 10:05:10	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	69738	Lims Sample ID:	76
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Client Sample ID: 070SB-0042M-0001-SO MS Lab Sample ID: 240-18735-1 MS

Matrix: Solid Lab File ID: YF122173.D

Analysis Method: 8015B Date Collected: 12/12/2012 10:30

Sample wt/vol: 6.126(g) Date Analyzed: 12/23/2012 08:10

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VRX ID: 0.45(mm)

% Moisture: 15.1 Level: (low/med) Low

Analysis Batch No.: 69738 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00061	C6-C12	491		96	48	44

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	Trifluorotoluene (Surr)	63		10-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122173.D
Lims ID: 240-18735-B-1-E MS
Client ID: 070SB-0042M-0002-SO
Inject. Date: 23-Dec-2012 08:10:58
Dil. Factor: 1.0000
Sample Type: MS
Sample ID: 240-0016087-073
Misc. Info.:
Operator: 1765
Instrument ID: YPID
Purge Vol: 5.000 mL
ALS Bottle#: 1
Lims Batch ID: 69738
Lims Sample ID: 73
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\YPID\20121221-16087.b\Y80158021.m
Last Update: 26-Dec-2012 15:23:58
Calib Date: 27-Aug-2012 15:06:37
Quant Method: Internal/External Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D
Limit Group: GCV 8015B GRO ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK003

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
S 17 Xylenes, Total	1		0.000				7
6 2-Methylpentane	2	5.143	5.137	0.006	4677379	0	
12 Methyl tert-butyl ether	2	5.220	5.208	0.012	3748593	0	
3 Benzene	1		7.999				1
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.758	9.759	-0.001	965307	6.28	
$ 18 a,a,a-Trifluorotoluene (pid)	1		9.772				1
A 5 C6-C10	2	11.831	4.901 -	18.760	71630106	526.6	
8 Toluene	1		11.964				1
A 1 C6-C12	2	13.461	5.001 -	21.920	76392020	511.1	
A 11 GRO	2	13.655	4.996 -	22.314	79749139	0	
13 Ethylbenzene	1		15.042				1
2 m-Xylene & p-Xylene	1		15.410				1
4 o-Xylene	1		16.061				1
10 1,3,5-Trimethylbenzene	1		17.985				1
7 1,2,4-Trimethylbenzene	1	0.000	18.579	-18.579	0	0	
14 Dodecane	2	21.741	21.750	-0.009	33038	0	
9 Naphthalene	2	22.032	22.060	-0.028	34644	0	

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

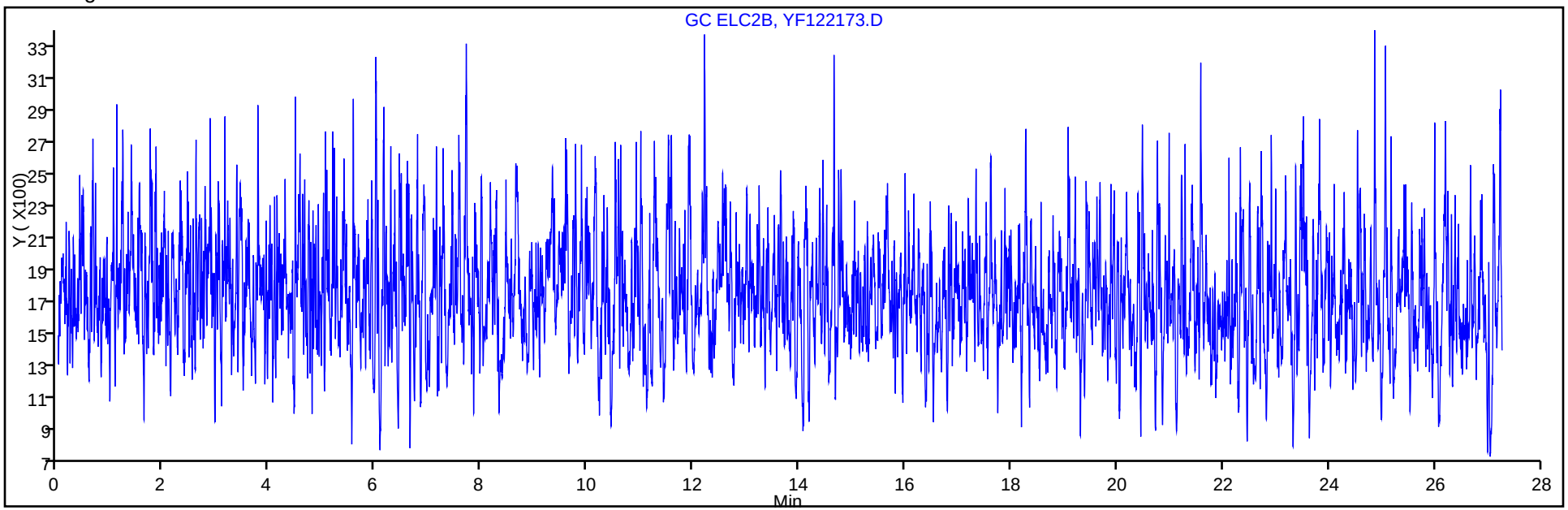
Report Date: 26-Dec-2012 15:24:02 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

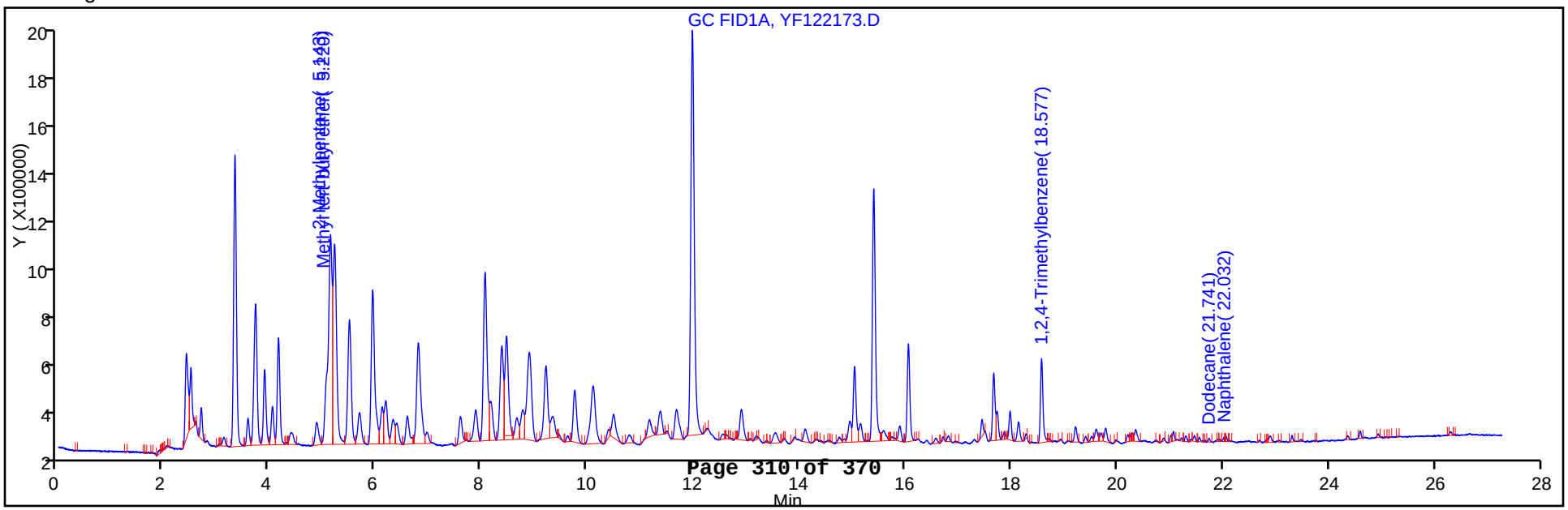
Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122173.D

Injection Date:	23-Dec-2012 08:10:58	Limit Group:	GCV 8015B GRO ICAL
Client ID:	070SB-0042M-0002-SO	Instrument ID:	YPID
Lims Batch ID:	69738	Lims Sample ID:	73
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Client Sample ID: 070SB-0042M-0001-SO MSD Lab Sample ID: 240-18735-1 MSD

Matrix: Solid Lab File ID: YF122174.D

Analysis Method: 8015B Date Collected: 12/12/2012 10:30

Sample wt/vol: 6.092(g) Date Analyzed: 12/23/2012 08:49

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VRX ID: 0.45(mm)

% Moisture: 15.1 Level: (low/med) Low

Analysis Batch No.: 69738 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00061	C6-C12	466		97	48	44

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	Trifluorotoluene (Surr)	64		10-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122174.D
Lims ID: 240-18735-B-1-F MSD Client ID: 070SB-0042M-0002-SO
Inject. Date: 23-Dec-2012 08:49:32 Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: 240-0016087-074
Misc. Info.:
Operator: 1765 Instrument ID: YPID
Purge Vol: 5.000 mL ALS Bottle#: 1
Lims Batch ID: 69738 Lims Sample ID: 74
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\YPID\20121221-16087.b\Y80158021.m
Last Update: 26-Dec-2012 15:23:58 Calib Date: 27-Aug-2012 15:06:37
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D
Limit Group: GCV 8015B GRO ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
S 17 Xylenes, Total	1		0.000				7
6 2-Methylpentane	2	5.139	5.137	0.002	3934338	0	
12 Methyl tert-butyl ether	2	5.221	5.208	0.013	4343712	0	
3 Benzene	1		7.999				1
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.759	9.759	0.0	989265	6.44	
$ 18 a,a,a-Trifluorotoluene (pid)	1		9.772				1
A 5 C6-C10	2	11.831	4.901 -	18.760	68287574	502.0	
8 Toluene	1		11.964				1
A 1 C6-C12	2	13.461	5.001 -	21.920	72520304	482.7	
A 11 GRO	2	13.655	4.996 -	22.314	75744734	0	
13 Ethylbenzene	1		15.042				1
2 m-Xylene & p-Xylene	1		15.410				1
4 o-Xylene	1		16.061				1
10 1,3,5-Trimethylbenzene	1		17.985				1
7 1,2,4-Trimethylbenzene	1	0.000	18.579	-18.579	0	0	
14 Dodecane	2	21.743	21.750	-0.007	31131	0	
9 Naphthalene	2	22.058	22.060	-0.002	110199	0	

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

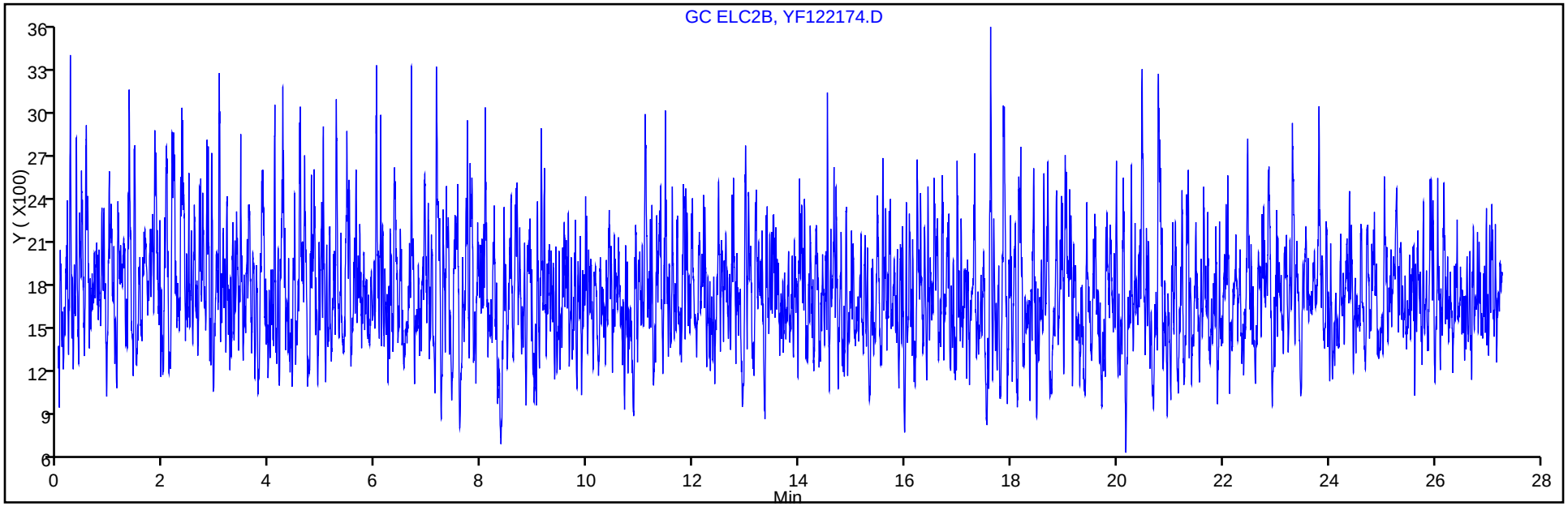
Report Date: 26-Dec-2012 15:24:03 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

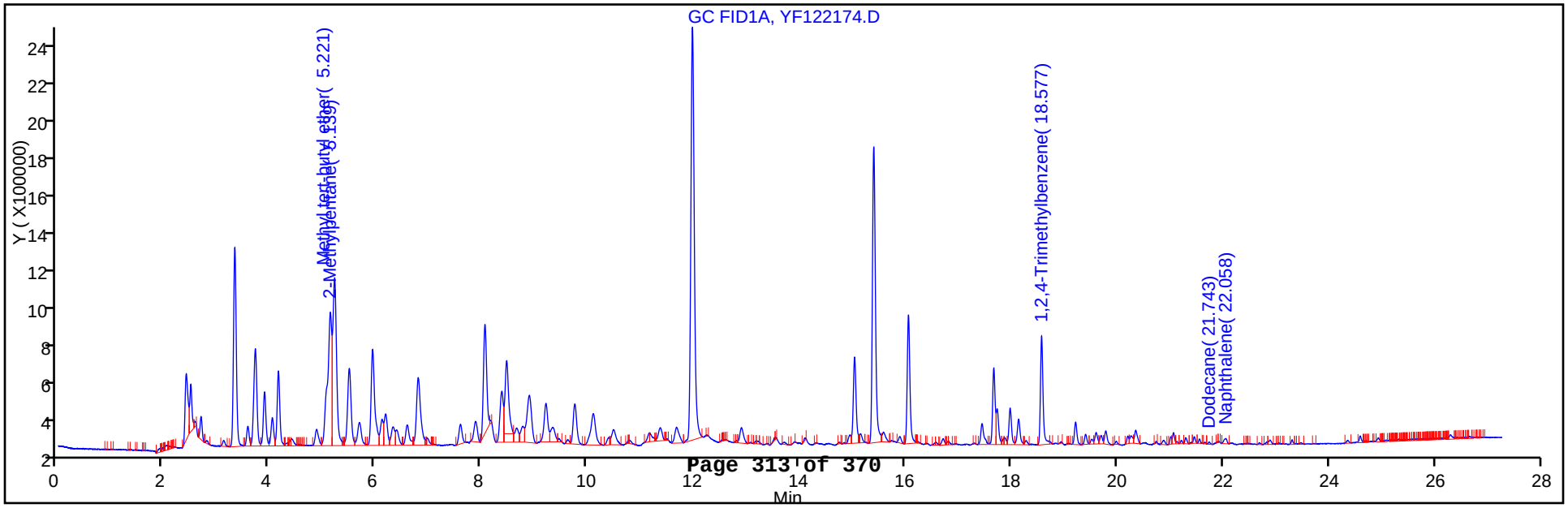
Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122174.D

Injection Date:	23-Dec-2012 08:49:32	Limit Group:	GCV 8015B GRO ICAL
Client ID:	070SB-0042M-0002-SO	Instrument ID:	YPID
Lims Batch ID:	69738	Lims Sample ID:	74
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



GASOLINE RANGE ORGANICS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Instrument ID: YPID Start Date: 08/15/2012 17:16

Analysis Batch Number: 54511 End Date: 08/16/2012 06:06

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		08/15/2012 17:16	1		RTX-VRX 0.45(mm)
ZZZZZ		08/15/2012 17:57	1		RTX-VRX 0.45(mm)
STD1 240-54511/6 IC		08/15/2012 18:36	1	YF081506.D	RTX-VRX 0.45(mm)
STD2 240-54511/7 IC		08/15/2012 19:17	1	YF081507.D	RTX-VRX 0.45(mm)
STD3 240-54511/8 IC		08/15/2012 19:58	1	YF081508.D	RTX-VRX 0.45(mm)
STD4 240-54511/9 ICRT		08/15/2012 20:39	1	YF081509.D	RTX-VRX 0.45(mm)
STD5 240-54511/10 IC		08/15/2012 21:19	1	YF081510.D	RTX-VRX 0.45(mm)
STD6 240-54511/11 IC		08/15/2012 22:00	1	YF081511.D	RTX-VRX 0.45(mm)
ICV 240-54511/12		08/15/2012 22:40	1	YF081512.D	RTX-VRX 0.45(mm)
ZZZZZ		08/15/2012 23:21	1		RTX-VRX 0.45(mm)
ZZZZZ		08/16/2012 00:02	1		RTX-VRX 0.45(mm)
ZZZZZ		08/16/2012 00:42	200		RTX-VRX 0.45(mm)
ZZZZZ		08/16/2012 01:23	1		RTX-VRX 0.45(mm)
ZZZZZ		08/16/2012 02:03	100		RTX-VRX 0.45(mm)
ZZZZZ		08/16/2012 02:43	1		RTX-VRX 0.45(mm)
ZZZZZ		08/16/2012 03:24	1		RTX-VRX 0.45(mm)
ZZZZZ		08/16/2012 04:05	1000		RTX-VRX 0.45(mm)
ZZZZZ		08/16/2012 04:45	5		RTX-VRX 0.45(mm)
ZZZZZ		08/16/2012 05:26	1		RTX-VRX 0.45(mm)
CCV 240-54511/23		08/16/2012 06:06	1		RTX-VRX 0.45(mm)

GASOLINE RANGE ORGANICS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Instrument ID: YPID Start Date: 12/21/2012 11:49

Analysis Batch Number: 69738 End Date: 12/23/2012 10:05

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		12/21/2012 11:49	1		RTX-VRX 0.45(mm)
ZZZZZ		12/21/2012 11:49	1		RTX-VRX 0.45(mm)
CCV 240-69738/5 CCVRT		12/21/2012 13:05	1	YF122105.D	RTX-VRX 0.45(mm)
ZZZZZ		12/21/2012 14:20	1		RTX-VRX 0.45(mm)
ZZZZZ		12/21/2012 14:20	1		RTX-VRX 0.45(mm)
ZZZZZ		12/21/2012 14:58	1		RTX-VRX 0.45(mm)
ZZZZZ		12/21/2012 15:36	100		RTX-VRX 0.45(mm)
CCV 240-69738/10		12/21/2012 16:14	1	YF122110.D	RTX-VRX 0.45(mm)
CCV 240-69738/34		12/22/2012 07:30	1	YF122134.D	RTX-VRX 0.45(mm)
ZZZZZ		12/22/2012 08:08	1		RTX-VRX 0.45(mm)
MRL 240-69738/35		12/22/2012 08:08	1	YF122135.D	RTX-VRX 0.45(mm)
ZZZZZ		12/22/2012 08:46	1		RTX-VRX 0.45(mm)
MB 240-69738/36		12/22/2012 08:46	1	YF122136.D	RTX-VRX 0.45(mm)
LCS 240-69738/37		12/22/2012 09:24	1	YF122137.D	RTX-VRX 0.45(mm)
ZZZZZ		12/22/2012 10:01	1		RTX-VRX 0.45(mm)
ZZZZZ		12/22/2012 10:39	1		RTX-VRX 0.45(mm)
ZZZZZ		12/22/2012 11:16	1		RTX-VRX 0.45(mm)
ZZZZZ		12/22/2012 11:54	1		RTX-VRX 0.45(mm)
ZZZZZ		12/22/2012 12:32	1		RTX-VRX 0.45(mm)
ZZZZZ		12/22/2012 12:32	1		RTX-VRX 0.45(mm)
ZZZZZ		12/22/2012 13:10	1		RTX-VRX 0.45(mm)
ZZZZZ		12/22/2012 13:10	1		RTX-VRX 0.45(mm)
ZZZZZ		12/22/2012 13:47	1		RTX-VRX 0.45(mm)
CCV 240-69738/45		12/22/2012 14:25	1	YF122145.D	RTX-VRX 0.45(mm)
ZZZZZ		12/22/2012 15:02	1		RTX-VRX 0.45(mm)
240-18735-2	070SB-0055-0001-TB	12/22/2012 15:41	1	YF122147.D	RTX-VRX 0.45(mm)
ZZZZZ		12/22/2012 16:18	1		RTX-VRX 0.45(mm)
ZZZZZ		12/22/2012 16:56	1		RTX-VRX 0.45(mm)
CCV 240-69738/50		12/22/2012 17:35	1	YF122150.D	RTX-VRX 0.45(mm)
ZZZZZ		12/22/2012 18:14	1		RTX-VRX 0.45(mm)
MRL 240-69738/51		12/22/2012 18:14	1	YF122151.D	RTX-VRX 0.45(mm)
ZZZZZ		12/22/2012 18:53	1		RTX-VRX 0.45(mm)
MB 240-69738/52		12/22/2012 18:53	1	YF122152.D	RTX-VRX 0.45(mm)
LCS 240-69738/53		12/22/2012 19:32	1	YF122153.D	RTX-VRX 0.45(mm)
ZZZZZ		12/22/2012 20:11	1		RTX-VRX 0.45(mm)
ZZZZZ		12/22/2012 20:49	1		RTX-VRX 0.45(mm)
ZZZZZ		12/22/2012 21:27	1		RTX-VRX 0.45(mm)
ZZZZZ		12/22/2012 22:06	1		RTX-VRX 0.45(mm)
ZZZZZ		12/22/2012 22:44	1		RTX-VRX 0.45(mm)
ZZZZZ		12/22/2012 23:22	1		RTX-VRX 0.45(mm)
ZZZZZ		12/23/2012 00:00	1		RTX-VRX 0.45(mm)
CCV 240-69738/61		12/23/2012 00:38	1	YF122161.D	RTX-VRX 0.45(mm)
ZZZZZ		12/23/2012 01:16	1		RTX-VRX 0.45(mm)
ZZZZZ		12/23/2012 01:54	1		RTX-VRX 0.45(mm)

8015B

GASOLINE RANGE ORGANICS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Instrument ID: YPID Start Date: 12/21/2012 11:49

Analysis Batch Number: 69738 End Date: 12/23/2012 10:05

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		12/23/2012 02:31	1		RTX-VRX 0.45(mm)
ZZZZZ		12/23/2012 03:09	1		RTX-VRX 0.45(mm)
ZZZZZ		12/23/2012 03:47	1		RTX-VRX 0.45(mm)
ZZZZZ		12/23/2012 04:24	1		RTX-VRX 0.45(mm)
ZZZZZ		12/23/2012 05:02	1		RTX-VRX 0.45(mm)
ZZZZZ		12/23/2012 05:39	1		RTX-VRX 0.45(mm)
ZZZZZ		12/23/2012 06:17	1		RTX-VRX 0.45(mm)
CCV 240-69738/71		12/23/2012 06:55	1	YF122171.D	RTX-VRX 0.45(mm)
ZZZZZ		12/23/2012 07:33	1		RTX-VRX 0.45(mm)
240-18735-1	070SB-0042M-0001-SO	12/23/2012 07:33	1	YF122172.D	RTX-VRX 0.45(mm)
ZZZZZ		12/23/2012 08:10	1		RTX-VRX 0.45(mm)
240-18735-1 MS	070SB-0042M-0001-SO MS	12/23/2012 08:10	1	YF122173.D	RTX-VRX 0.45(mm)
ZZZZZ		12/23/2012 08:49	1		RTX-VRX 0.45(mm)
240-18735-1 MSD	070SB-0042M-0001-SO MSD	12/23/2012 08:49	1	YF122174.D	RTX-VRX 0.45(mm)
CCV 240-69738/75		12/23/2012 09:27	1	YF122175.D	RTX-VRX 0.45(mm)
ZZZZZ		12/23/2012 10:05	1		RTX-VRX 0.45(mm)
MRL 240-69738/76		12/23/2012 10:05	1	YF122176.D	RTX-VRX 0.45(mm)

GASOLINE RANGE ORGANICS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Batch Number: 69885 Batch Start Date: 12/22/12 09:09 Batch Analyst: Bosworth, Heather M

Batch Method: 5035 Batch End Date: 12/22/12 10:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount	AnalysisComment	
240-18735-B-1	070SB-0042M-0001 -SO	5035, 8015B	T	+029.791 g	35.79 g	5.999 g	5 mL	Job frozen on 12/12/12@2210	
240-18735-B-1 MS	070SB-0042M-0001 -SO	5035, 8015B	T	+029.914 g	36.04 g	6.126 g	5 mL		
240-18735-B-1 MSD	070SB-0042M-0001 -SO	5035, 8015B	T	30.378 g	36.47 g	6.092 g	5 mL		

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18735-1

SDG No.:

Project: RVAAP - ECC

Client Sample ID	Lab Sample ID
070SB-0042M-0001-SO	240-18735-1
076SB-0119-0001-SO	240-18735-8
076SB-0120-0001-SO	240-18735-9
076SB-0121-0001-SO	240-18735-10
076SB-0122-0001-SO	240-18735-11
076SB-0123-0001-SO	240-18735-12
076SB-0124-0001-SO	240-18735-13
076SB-0125-0001-SO	240-18735-14
076SB-0126-0001-SO	240-18735-15
076SB-0127-0001-SO	240-18735-16
076SB-0128-0001-SO	240-18735-17
076SB-0129-0001-SO	240-18735-18
076SB-0130-0001-SO	240-18735-19
076SB-0131-0001-SO	240-18735-20
076SB-0132-0001-SO	240-18735-21
076SB-0133-0001-SO	240-18735-22
076SB-0134-0001-SO	240-18735-23
076SB-0135-0001-SO	240-18735-24
076SB-0136-0001-SO	240-18735-25

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0119-0001-SO
Lab Sample ID: 240-18735-8
Lab Name: TestAmerica Canton
Job No.: 240-18735-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/11/2012 09:10
Reporting Basis: DRY
Date Received: 12/12/2012 17:07
% Solids: 87.5

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Cr (VI)	0.91	0.91	0.91	0.31	mg/Kg	U		1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0120-0001-SO
Lab Sample ID: 240-18735-9
Lab Name: TestAmerica Canton
Job No.: 240-18735-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/11/2012 11:20
Reporting Basis: DRY
Date Received: 12/12/2012 17:07
% Solids: 87.5

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Cr (VI)	0.34	0.91	0.91	0.31	mg/Kg	J		1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0121-0001-SO
Lab Sample ID: 240-18735-10
Lab Name: TestAmerica Canton
Job No.: 240-18735-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/11/2012 10:50
Reporting Basis: DRY
Date Received: 12/12/2012 17:07
% Solids: 88.9

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Cr (VI)	0.90	0.90	0.90	0.30	mg/Kg	U		1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0122-0001-SO
Lab Sample ID: 240-18735-11
Lab Name: TestAmerica Canton
Job No.: 240-18735-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/11/2012 09:30
Reporting Basis: DRY
Date Received: 12/12/2012 17:07
% Solids: 84.9

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Cr (VI)	0.94	0.94	0.94	0.32	mg/Kg	U		1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0123-0001-SO
Lab Sample ID: 240-18735-12
Lab Name: TestAmerica Canton
Job No.: 240-18735-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/11/2012 09:50
Reporting Basis: DRY
Date Received: 12/12/2012 17:07
% Solids: 86.5

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Cr (VI)	0.92	0.92	0.92	0.31	mg/Kg	U		1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0124-0001-SO
Lab Sample ID: 240-18735-13
Lab Name: TestAmerica Canton
Job No.: 240-18735-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/11/2012 10:15
Reporting Basis: DRY
Date Received: 12/12/2012 17:07
% Solids: 86.5

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Cr (VI)	0.92	0.92	0.92	0.31	mg/Kg	U		1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0125-0001-SO
Lab Sample ID: 240-18735-14
Lab Name: TestAmerica Canton
Job No.: 240-18735-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/12/2012 10:15
Reporting Basis: DRY
Date Received: 12/12/2012 17:07
% Solids: 91.3

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Cr (VI)	0.88	0.88	0.88	0.30	mg/Kg	U		1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0126-0001-SO
Lab Sample ID: 240-18735-15
Lab Name: TestAmerica Canton
Job No.: 240-18735-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/11/2012 15:55
Reporting Basis: DRY
Date Received: 12/12/2012 17:07
% Solids: 90.3

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Cr (VI)	0.31	0.89	0.89	0.30	mg/Kg	J		1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0127-0001-SO
Lab Sample ID: 240-18735-16
Lab Name: TestAmerica Canton
Job No.: 240-18735-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/11/2012 15:55
Reporting Basis: DRY
Date Received: 12/12/2012 17:07
% Solids: 89.9

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Cr (VI)	0.89	0.89	0.89	0.30	mg/Kg	U		1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0128-0001-SO
Lab Sample ID: 240-18735-17
Lab Name: TestAmerica Canton
Job No.: 240-18735-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/11/2012 15:20
Reporting Basis: DRY
Date Received: 12/12/2012 17:07
% Solids: 90.5

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Cr (VI)	0.88	0.88	0.88	0.30	mg/Kg	U		1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0129-0001-SO
Lab Sample ID: 240-18735-18
Lab Name: TestAmerica Canton
Job No.: 240-18735-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/11/2012 14:50
Reporting Basis: DRY
Date Received: 12/12/2012 17:07
% Solids: 89.9

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Cr (VI)	0.89	0.89	0.89	0.30	mg/Kg	U		1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0130-0001-SO
Lab Sample ID: 240-18735-19
Lab Name: TestAmerica Canton
Job No.: 240-18735-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/12/2012 10:49
Reporting Basis: DRY
Date Received: 12/12/2012 17:07
% Solids: 91.4

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Cr (VI)	0.88	0.88	0.88	0.30	mg/Kg	U		1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0131-0001-SO
Lab Sample ID: 240-18735-20
Lab Name: TestAmerica Canton
Job No.: 240-18735-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/12/2012 11:24
Reporting Basis: DRY
Date Received: 12/12/2012 17:07
% Solids: 91.5

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Cr (VI)	0.87	0.87	0.87	0.29	mg/Kg	U		1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0132-0001-SO
Lab Sample ID: 240-18735-21
Lab Name: TestAmerica Canton
Job No.: 240-18735-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/11/2012 12:25
Reporting Basis: DRY
Date Received: 12/12/2012 17:07
% Solids: 81.0

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Cr (VI)	0.99	0.99	0.99	0.33	mg/Kg	U		1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0133-0001-SO
Lab Sample ID: 240-18735-22
Lab Name: TestAmerica Canton
Job No.: 240-18735-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/11/2012 12:25
Reporting Basis: DRY
Date Received: 12/12/2012 17:07
% Solids: 81.2

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Cr (VI)	0.39	0.98	0.98	0.33	mg/Kg	J		1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0134-0001-SO
Lab Sample ID: 240-18735-23
Lab Name: TestAmerica Canton
Job No.: 240-18735-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/11/2012 13:15
Reporting Basis: DRY
Date Received: 12/12/2012 17:07
% Solids: 88.4

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Cr (VI)	0.37	0.91	0.91	0.31	mg/Kg	J		1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0135-0001-SO
Lab Sample ID: 240-18735-24
Lab Name: TestAmerica Canton
Job No.: 240-18735-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/11/2012 13:40
Reporting Basis: DRY
Date Received: 12/12/2012 17:07
% Solids: 86.8

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Cr (VI)	0.92	0.92	0.92	0.31	mg/Kg	U		1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0136-0001-SO
Lab Sample ID: 240-18735-25
Lab Name: TestAmerica Canton
Job No.: 240-18735-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/11/2012 14:10
Reporting Basis: DRY
Date Received: 12/12/2012 17:07
% Solids: 86.5

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Cr (VI)	0.92	0.92	0.92	0.31	mg/Kg	U		1	7196A

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Analyst: LG Batch Start Date: 01/02/2013

Reporting Units: mg/Kg Analytical Batch No.: 70884

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	00:00	Cr (VI)	20.6	20.0	103	90-110		WCCHROME50PM2_00010
2	ICB	00:00	Cr (VI)	0.80				U	
6	CCV	12:51	Cr (VI)	19.6	20.0	98	90-110		WCCHROME50PPM_00009
7	CCB	12:51	Cr (VI)	0.80				U	
10	CCV	12:55	Cr (VI)	19.6	20.0	98	90-110		WCCHROME50PPM_00009
11	CCB	12:55	Cr (VI)	0.80				U	
14	CCV	12:58	Cr (VI)	19.6	20.0	98	90-110		WCCHROME50PPM_00009
15	CCB	12:58	Cr (VI)	0.80				U	
18	CCV	13:12	Cr (VI)	19.4	20.0	97	90-110		WCCHROME50PPM_00009
19	CCB	13:12	Cr (VI)	0.80				U	
22	CCV	13:15	Cr (VI)	19.4	20.0	97	90-110		WCCHROME50PPM_00009
23	CCB	13:15	Cr (VI)	0.80				U	
26	CCV	13:19	Cr (VI)	19.3	20.0	97	90-110		WCCHROME50PPM_00009
27	CCB	13:19	Cr (VI)	0.80				U	
30	CCV	13:31	Cr (VI)	19.0	20.0	95	90-110		WCCHROME50PPM_00009
31	CCB	13:31	Cr (VI)	0.80				U	
34	CCV	13:35	Cr (VI)	19.0	20.0	95	90-110		WCCHROME50PPM_00009
35	CCB	13:35	Cr (VI)	0.80				U	
38	CCV	13:38	Cr (VI)	20.1	20.0	101	90-110		WCCHROME50PPM_00009
39	CCB	13:38	Cr (VI)	0.80				U	
42	CCV	13:44	Cr (VI)	20.0	20.0	100	90-110		WCCHROME50PPM_00009
43	CCB	13:44	Cr (VI)	0.80				U	
45	CCV	13:49	Cr (VI)	20.0	20.0	100	90-110		WCCHROME50PPM_00009
46	CCB	13:49	Cr (VI)	0.80				U	

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

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	LOQ	Dil
Batch ID: 70884	Date: 01/02/2013 00:00	Prep Batch: 70771	Date: 12/31/2012 13:31				
7196A	MB 240-70771/9-A	Cr (VI)	0.80	U	mg/Kg	0.80	1

FORM III-IN

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Matrix: Solid

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 70884	Date: 01/02/2013 13:14		Prep Batch: 70771	Date: 12/31/2012 13:31				
7196A	076SB-0125-0001-SO	240-18735-14	Cr (VI)	0.88	mg/Kg			U
7196A	076SB-0125-0001-SO	240-18735-14 DU	Cr (VI)	0.86	mg/Kg	NC		U

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

FORM VI-IN

7A-IN
LAB CONTROL SAMPLE SOLUBLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 70884	Date: 01/02/2013 00:00		Prep Batch: 70771			Date: 12/31/2012 13:31					
						LCS Source: WCCHROME50PM2_00010					
7196A	LCSS 240-70771/10-A	Cr (VI)	20.6		mg/Kg	20.0	103	90-110			
Batch ID: 70884	Date: 01/02/2013 00:00		Prep Batch: 70771			Date: 12/31/2012 13:31					
						LCS Source: WCPBCHROMATE_00004					
7196A	LCSI 240-70771/11-A	Cr (VI)	690		mg/Kg	643	107	75-125			

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

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18735-1

SDG Number:

Matrix: Solid Instrument ID: ERNIE-CR

Method: 7196A DL Date: 01/27/2010 16:56

Prep Method: 3060A

Analyte	Wavelength/ Mass	LOQ (mg/Kg)	DL (mg/Kg)
Cr (VI)		0.8	0.27

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18735-1

SDG Number:

Matrix: Solid Instrument ID: ERNIE-CR

Method: 7196A XMDL Date: 01/27/2010 16:56

Analyte	Wavelength/ Mass	XRL (mg/Kg)	XMDL (mg/Kg)
Cr (VI)		0.8	0.27

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18735-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture LOQ Date: 01/28/2010 09:24

Analyte	Wavelength/ Mass	LOQ (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18735-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture XRL Date: 01/28/2010 09:24

Analyte	Wavelength/ Mass	XRL (mg/L)	
Percent Moisture		10	
Percent Solids		10	

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Prep Method: 3060A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 240-70771/9-A	12/31/2012 13:31	70771	2.5		100
LCSS 240-70771/10-A	12/31/2012 13:31	70771	2.5		100
LCSI 240-70771/11-A	12/31/2012 13:31	70771	2.5		100
240-18735-8	12/31/2012 13:31	70771	2.5		100
240-18735-9	12/31/2012 13:31	70771	2.5		100
240-18735-10	12/31/2012 13:31	70771	2.5		100
240-18735-11	12/31/2012 13:31	70771	2.5		100
240-18735-12	12/31/2012 13:31	70771	2.5		100
240-18735-13	12/31/2012 13:31	70771	2.5		100
240-18735-14 DU	12/31/2012 13:31	70771	2.5		100
240-18735-14	12/31/2012 13:31	70771	2.5		100
240-18735-15	12/31/2012 13:31	70771	2.5		100
240-18735-16	12/31/2012 13:31	70771	2.5		100
240-18735-17	12/31/2012 13:31	70771	2.5		100
240-18735-18	12/31/2012 13:31	70771	2.5		100
240-18735-19	12/31/2012 13:31	70771	2.5		100
240-18735-20	12/31/2012 13:31	70771	2.5		100
240-18735-21	12/31/2012 13:31	70771	2.5		100
240-18735-22	12/31/2012 13:31	70771	2.5		100
240-18735-23	12/31/2012 13:31	70771	2.5		100
240-18735-24	12/31/2012 13:31	70771	2.5		100
240-18735-25	12/31/2012 13:31	70771	2.5		100

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Instrument ID: ERNIE-CR Method: 7196A

Start Date: 01/02/2013 00:00 End Date: 01/02/2013 13:50

Lab Sample ID	D / F	Type	Time	Analytes																			
				Cr6																			
ICV 240-70771/7-A	1		00:00	X																			
ICB 240-70771/8-A	1		00:00	X																			
MB 240-70771/9-A	1	T	00:00	X																			
LCSS 240-70771/10-A	1	T	00:00	X																			
LCSI 240-70771/11-A	1	T	00:00	X																			
CCV 240-70771/12-A	1		12:51	X																			
CCB 240-70771/13-A	1		12:51	X																			
240-18735-8	1	T	12:53	X																			
240-18735-9	1	T	12:54	X																			
CCV 240-70771/12-A	1		12:55	X																			
CCB 240-70771/13-A	1		12:55	X																			
240-18735-10	1	T	12:57	X																			
240-18735-11	1	T	12:57	X																			
CCV 240-70771/12-A	1		12:58	X																			
CCB 240-70771/13-A	1		12:58	X																			
240-18735-12	1	T	13:11	X																			
240-18735-13	1	T	13:11	X																			
CCV 240-70771/12-A	1		13:12	X																			
CCB 240-70771/13-A	1		13:12	X																			
240-18735-14 DU	1	T	13:14	X																			
240-18735-14	1	T	13:15	X																			
CCV 240-70771/12-A	1		13:15	X																			
CCB 240-70771/13-A	1		13:15	X																			
240-18735-15	1	T	13:17	X																			
240-18735-16	1	T	13:18	X																			
CCV 240-70771/12-A	1		13:19	X																			
CCB 240-70771/13-A	1		13:19	X																			
240-18735-17	1	T	13:26	X																			
240-18735-18	1	T	13:30	X																			
CCV 240-70771/12-A	1		13:31	X																			
CCB 240-70771/13-A	1		13:31	X																			
240-18735-19	1	T	13:33	X																			
240-18735-20	1	T	13:34	X																			
CCV 240-70771/12-A	1		13:35	X																			
CCB 240-70771/13-A	1		13:35	X																			
240-18735-21	1	T	13:37	X																			
240-18735-22	1	T	13:38	X																			
CCV 240-70771/12-A	1		13:38	X																			
CCB 240-70771/13-A	1		13:38	X																			
240-18735-23	1	T	13:43	X																			
240-18735-24	1	T	13:43	X																			
CCV 240-70771/12-A	1		13:44	X																			

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Instrument ID: ERNIE-CR Method: 7196A

Start Date: 01/02/2013 00:00 End Date: 01/02/2013 13:50

Lab Sample ID	D / F	Type	Time	Analytes																			
				Cr6																			
CCB 240-70771/13-A	1		13:44	X																			
240-18735-25	1	T	13:47	X																			
CCV 240-70771/12-A	1		13:49	X																			
CCB 240-70771/13-A	1		13:49	X																			
ZZZZZZ			13:49																				
CCV 240-70771/12-A			13:50																				
CCB 240-70771/13-A			13:50																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/13/2012 12:13 End Date: 12/13/2012 14:13

Lab Sample ID	D / F	Type	Time	Analytes																				
				% Sol	Moist																			
ZZZZZZ			12:13	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/13/2012 12:13 End Date: 12/13/2012 14:13

Lab Sample ID	D / F	Type	Time	Analytes																				
				% Sol	Moist																			
ZZZZZZ			12:13																					
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240-18735-1 DU	1	T	12:13	X	X																			
240-18735-1	1	T	12:13	X	X																			
ZZZZZZ			12:13																					
240-18735-9	1	T	12:13	X	X																			

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/13/2012 12:13 End Date: 12/13/2012 14:13

Lab Sample ID	D / F	Type	Time	Analytes																			
				% Sol	Moist																		
240-18735-10	1	T	12:13	X	X																		
240-18735-11	1	T	12:13	X	X																		
240-18735-12	1	T	12:13	X	X																		
240-18735-13	1	T	12:13	X	X																		
240-18735-15	1	T	12:13	X	X																		
240-18735-16	1	T	12:13	X	X																		
240-18735-14 DU	1	T	12:13	X	X																		
240-18735-14	1	T	12:13	X	X																		
240-18735-17	1	T	12:13	X	X																		
240-18735-18	1	T	12:13	X	X																		
240-18735-19	1	T	12:13	X	X																		
240-18735-20	1	T	12:13	X	X																		
240-18735-21	1	T	12:13	X	X																		
240-18735-22	1	T	12:13	X	X																		
240-18735-23	1	T	12:13	X	X																		
240-18735-24	1	T	12:13	X	X																		
240-18735-25 DU	1	T	13:44	X	X																		
240-18735-25	1	T	13:44	X	X																		
240-18735-8	1	T	13:44	X	X																		
ZZZZZZ			13:44																				
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13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/13/2012 12:13 End Date: 12/13/2012 14:13

Lab Sample ID	D / F	Type	Time	Analytes																			
				% Sol	Moist																		
ZZZZZZ			13:44																				
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ZZZZZZ			13:59																				
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13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/13/2012 12:13 End Date: 12/13/2012 14:13

Prep Types
T = Total/NA

TestAmerica, North Canton

3060A/7196A Cr+6 Solid Logsheet

Analysis	CR+6 - Soils	Prep Batch	70771		Spectrophotometer	
					SPEC 20	
Prep Date	01/02/13	Color	801715		Ernie	
		Acid	759713		Wavelength	
Anal Date	01/02/13	Filters	781315		540	
					RL	
Analyst	LG	Balance ID:	BO43		0.8 MG/KG	

Std No	Conc	ABS			
NA	0	0		Slope	0.5880
ic 240-70771/1	0.01	0.008		Intercept	0.0051
ic 240-70771/2	0.02	0.014		r	0.9990
ic 240-70771/3	0.10	0.064			
ic 240-70771/4	0.25	0.153			
ic 240-70771/5	0.50	0.319			
ic 240-70771/6	1.00	0.583			

Curve units mg/L

Sample No	ABS	Sample Vol in g	Final Vol in ml	Dil	Std No	Spike TV	% Rec	Final Conc Analyte	Final Conc in mg/kg	Time
ICV 240-70771/7	0.308	2.5	100	1		20	103%	Cr (VI)	20.6061	
ICB 240-70771/8	0.000	2.5	100	1				Cr (VI)	-0.3448	
MB 240-70771/9-	0.000	2.5	100	1				Cr (VI)	-0.3448	
LCSS 240-70771	0.308	2.5	100	1		20	103%	Cr (VI)	20.6061	
LCSI 240-70771/	0.208	2.5	100	50		644	107%	Cr (VI)	690.1928	

Sample No	Sample	Sample Abs.	Bgk Abs	Corr Abs	Spk Conc	Curve Info			Conc.in	Time
CCV 240-70771/	2.500	0.293	2.5	100	1	20	98%	Cr (VI)	19.5857	12:51
CCB 240-70771/	2.500	0.000	2.5	100	1			Cr (VI)	-0.3448	12:51
240-18735-B-8-A	2.45	0.003	0	0.003	0.00	Slope	0.01403	Cr (VI)	0.0000	12:53
	2.48	0.013	0	0.013	0.81	Intercept	-0.00034			12:53
	2.46	0.05	0	0.050	4.07	r	0.99938			12:54
	2.55	0.276	0	0.276	19.61					12:54
240-18735-B-9-A	2.46	0.002	0	0.002	0.00	Slope	0.01315	Cr (VI)	0.3011	12:54

	2.51	0.021	0	0.021	0.80	Intercept	0.00396			12:54
	2.46	0.052	0	0.052	4.07	r	0.99917			12:54
	2.48	0.27	0	0.270	20.16					12:55
CCV 240-70771/	2.500	0.293	2.5	100	1	20	98%	Cr (VI)	19.5857	12:55
CCB 240-70771/	2.500	0.000	2.5	100	1			Cr (VI)	-0.3448	12:55
240-18735-B-10-	2.47	0	0	0.000	0.00	Slope	0.01321	Cr (VI)	0.0000	12:57
	2.45	0.011	0	0.011	0.82	Intercept	0.00284			12:57
	2.47	0.063	0	0.063	4.05	r	0.99935			12:57
	2.47	0.269	0	0.269	20.24					12:57
240-18735-B-11-	2.54	0	0.000	0.000	0.00	Slope	0.01216	Cr (VI)	0.0000	12:57
	2.55	0.007	0.000	0.007	0.78	Intercept	-0.00338			12:58
	2.5	0.04	0.000	0.040	4.00	r	0.99946			12:58
	2.54	0.237	0.000	0.237	19.69					12:58
CCV 240-70771/	2.500	0.293	2.5	100	1	20	98%	Cr (VI)	19.5857	12:58
CCB 240-70771/	2.500	0.000	2.5	100	1			Cr (VI)	-0.3448	12:58
240-18735-B-12-	2.48	0	0	0.000	0.00	Slope	0.01293	Cr (VI)	0.0000	13:11
	2.55	0.007	0	0.007	0.78	Intercept	-0.00024			13:11
	2.53	0.054	0	0.054	3.95	r	0.99980			13:11
	2.46	0.262	0	0.262	20.33					13:11
240-18735-B-13-	2.5	0	0	0.000	0.00	Slope	0.01342	Cr (VI)	0.0000	13:11
	2.51	0.009	0	0.009	0.80	Intercept	-0.00416			13:12
	2.52	0.041	0	0.041	3.97	r	0.99905			13:12
	2.48	0.268	0	0.268	20.16					13:12
CCV 240-70771/	2.500	0.29	2.5	100.000	1	20	97%	Cr (VI)	19.3817	13:12
CCB 240-70771/	2.500	0	2.5	100.000	1			Cr (VI)	-0.3448	13:12
240-18735-C-14-	2.45	0	0	0.000	0.00	Slope	0.00800	Cr (VI)	0.0000	13:14
	2.48	0.008	0	0.008	0.81	Intercept	0.00123			13:14
	2.53	0.034	0	0.034	3.95	r	0.99991			13:14
	2.47	0.163	0	0.163	20.24					13:14
240-18735-C-14-	2.52	0	0	0.000	0.00	Slope	0.01023	Cr (VI)	0.0000	13:15
	2.5	0.006	0	0.006	0.80	Intercept	-0.00276			13:15
	2.5	0.034	0	0.034	4.00	r	0.99952			13:15
	2.52	0.201	0	0.201	19.84					13:15
CCV 240-70771/	2.500	0.29	2.5	100.000	1	20	97%	Cr (VI)	19.3817	13:15
CCB 240-70771/	2.500	0.000	2.5	100.000	1			Cr (VI)	-0.3448	13:15
240-18735-B-15-	2.5	0.007	0	0.007	0.00	Slope	0.00931	Cr (VI)	0.2773	13:17
	2.51	0.013	0	0.013	0.80	Intercept	0.00258			13:18
	2.48	0.031	0	0.031	4.03	r	0.99753			13:18

	2.48	0.192	0	0.192	20.16					13:18
240-18735-B-16-	2.48	0	0	0.000	0.00	Slope	0.00923	Cr (VI)	0.0000	13:18
	2.48	0.013	0	0.013	0.81	Intercept	0.00009			13:18
	2.54	0.03	0	0.030	3.94	r	0.99838			13:19
	2.51	0.185	0	0.185	19.92					13:19
CCV 240-70771/	2.500	0.289	2.5	100.000	1	20	97%	Cr (VI)	19.3137	13:19
CCB 240-70771/	2.500	0.000	2.5	100.000	1			Cr (VI)	-0.3448	13:19
240-18735-B-17-	2.52	0	0	0.000	0.00	Slope	0.00596	Cr (VI)	0.0000	13:26
	2.52	0.004	0	0.004	0.79	Intercept	-0.00073			13:26
	2.52	0.022	0	0.022	3.97	r	0.99993			13:26
	2.45	0.121	0	0.121	20.41					13:26
240-18735-B-18-	2.55	0	0	0.000	0.00	Slope	0.01019	Cr (VI)	0.0000	13:30
	2.46	0.003	0	0.003	0.81	Intercept	-0.00515			13:30
	2.46	0.03	0	0.030	4.07	r	0.99876			13:30
	2.5	0.2	0	0.200	20.00					13:31
CCV 240-70771/	2.500	0.285	2.5	100.000	1	20	95%	Cr (VI)	19.0416	13:31
CCB 240-70771/	2.500	0	2.5	100.000	1			Cr (VI)	-0.3448	13:31
240-18735-B-19-	2.49	0.002	0	0.002	0.00	Slope	0.00712	Cr (VI)	0.0000	13:33
	2.54	0.006	0	0.006	0.79	Intercept	-0.00038			13:34
	2.52	0.024	0	0.024	3.97	r	0.99919			13:34
	2.48	0.144	0	0.144	20.16					13:34
240-18735-B-20-	2.47	0.002	0	0.002	0.00	Slope	0.00743	Cr (VI)	0.0627	13:34
	2.53	0.005	0	0.005	0.79	Intercept	0.00047			13:35
	2.49	0.03	0	0.030	4.02	r	0.99986			13:35
	2.47	0.151	0	0.151	20.24					13:35
CCV 240-70771/	2.500	0.285	2.5	100.000	1	20	95%	Cr (VI)	19.0416	13:35
CCB 240-70771/	2.500	0	2.5	100.000	1			Cr (VI)	-0.3448	13:35
240-18735-B-21-	2.48	0	0	0.000	0.00	Slope	0.01057	Cr (VI)	0.0000	13:37
	2.55	0.013	0	0.013	0.78	Intercept	-0.00038			13:37
	2.52	0.035	0	0.035	3.97	r	0.99882			13:37
	2.49	0.213	0	0.213	20.08					13:38
240-18735-B-22-	2.52	0.004	0	0.004	0.00	Slope	0.01124	Cr (VI)	0.3201	13:38
	2.48	0.012	0	0.012	0.81	Intercept	0.00360			13:38
	2.49	0.049	0	0.049	4.02	r	0.99999			13:38
	2.47	0.231	0	0.231	20.24					13:38
CCV 240-70771/	2.500	0.301	2.5	100.000	1	20	101%	Cr (VI)	20.1299	13:38
CCB 240-70771/	2.500	0	2.5	100.000	1			Cr (VI)	-0.3448	13:38
240-18735-B-23-	2.55	0.002	0	0.002	0.00	Slope	0.00708	Cr (VI)	0.3233	13:43

	2.49	0.005	0	0.005	0.80	Intercept	0.00229			13:43
	2.46	0.035	0	0.035	4.07	r	0.99904			13:43
	2.52	0.142	0	0.142	19.84					13:43
240-18735-B-24-	2.55	0.003	0	0.003	0.00	Slope	0.01347	Cr (VI)	0.0000	13:43
	2.48	0.014	0	0.014	0.81	Intercept	-0.00011			13:44
	2.5	0.046	0	0.046	4.00	r	0.99917			13:44
	2.46	0.275	0	0.275	20.33					13:44
CCV 240-70771/	2.500	0.299	2.5	100.000	1	20	100%	Cr (VI)	19.9939	13:44
CCB 240-70771/	2.500	0	2.5	100.000	1			Cr (VI)	-0.3448	13:44
240-18735-B-25-	2.45	0.004	0.002	0.002	0.00	Slope	0.01297	Cr (VI)	0.0000	13:47
	2.53	0.009	0	0.009	0.79	Intercept	-0.00113			13:47
	2.55	0.046	0	0.046	3.92	r	0.99972			13:48
	2.53	0.26	0.004	0.256	19.76					13:48
240-19201-B-1-F	2.55	0.011	0.014	-0.003	0.00	Slope	-0.00029	Cr (VI)	0.0000	13:48
	2.48	0.009	0.007	0.002	0.81	Intercept	0.00206			13:48
	2.5	0.013	0.006	0.007	4.00	r	-0.50463			13:48
	2.54	0.006	0.011	-0.005	19.69					13:49
CCV 240-70771/	2.500	0.299	2.5	100.000	1	20	100%	Cr (VI)	19.9939	13:49
CCB 240-70771/	2.500	0.000	2.5	100.000	1			Cr (VI)	-0.3448	13:49
240-19201-B-1-F	2.500	0	2.500	100.000	1			Cr (VI)	-0.3448	13:49
	2.500			100.000	1			Cr (VI)	0.0000	
	2.500			100.000	1			Cr (VI)	0.0000	
	2.500			100.000	1			Cr (VI)	0.0000	
	2.500			100.000	1			Cr (VI)	0.0000	
	2.500			100.000	1			Cr (VI)	0.0000	
	2.500			100.000	1			Cr (VI)	0.0000	
	2.500			100.000	1			Cr (VI)	0.0000	
	2.500			100.000	1			Cr (VI)	0.0000	
	2.500			100.000	1			Cr (VI)	0.0000	
CCV 240-70771/	2.500	0.299	2.5	100.000	1	20	100%	Cr (VI)	19.9939	13:50
CCB 240-70771/	2.500	0.000	2.5	100.000	1			Cr (VI)	-0.3448	13:50

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Batch Number: 70771 Batch Start Date: 12/31/12 13:31 Batch Analyst: Nicholas, Courtney

Batch Method: 3060A Batch End Date: 01/02/13 09:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	WCCHROME50PM2 00010	WCCHROME50PPM 00009	WCPBCHROMATE 00004	
ICV 240-70771/7		3060A, 7196A		2.5 g	100 mL	1 mL			
ICB 240-70771/8		3060A, 7196A		2.5 g	100 mL				
MB 240-70771/9		3060A, 7196A		2.5 g	100 mL				
LCSS 240-70771/10		3060A, 7196A		2.5 g	100 mL	1 mL			
LCSI 240-70771/11		3060A, 7196A		2.5 g	100 mL			0.01 g	
CCV 240-70771/12		3060A, 7196A		2.5 g	100 mL		1 mL		
CCB 240-70771/13		3060A, 7196A		2.5 g	100 mL				
240-18735-B-8	076SB-0119-0001-SO	3060A, 7196A	T	2.5 g	100 mL				
240-18735-B-9	076SB-0120-0001-SO	3060A, 7196A	T	2.5 g	100 mL				
240-18735-B-10	076SB-0121-0001-SO	3060A, 7196A	T	2.5 g	100 mL				
240-18735-B-11	076SB-0122-0001-SO	3060A, 7196A	T	2.5 g	100 mL				
240-18735-B-12	076SB-0123-0001-SO	3060A, 7196A	T	2.5 g	100 mL				
240-18735-B-13	076SB-0124-0001-SO	3060A, 7196A	T	2.5 g	100 mL				
240-18735-C-14 DU	076SB-0125-0001-SO	3060A, 7196A	T	2.5 g	100 mL				
240-18735-C-14	076SB-0125-0001-SO	3060A, 7196A	T	2.5 g	100 mL				
240-18735-B-15	076SB-0126-0001-SO	3060A, 7196A	T	2.5 g	100 mL				
240-18735-B-16	076SB-0127-0001-SO	3060A, 7196A	T	2.5 g	100 mL				
240-18735-B-17	076SB-0128-0001-SO	3060A, 7196A	T	2.5 g	100 mL				
240-18735-B-18	076SB-0129-0001-SO	3060A, 7196A	T	2.5 g	100 mL				
240-18735-B-19	076SB-0130-0001-SO	3060A, 7196A	T	2.5 g	100 mL				
240-18735-B-20	076SB-0131-0001-SO	3060A, 7196A	T	2.5 g	100 mL				
240-18735-B-21	076SB-0132-0001-SO	3060A, 7196A	T	2.5 g	100 mL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Batch Number: 70771 Batch Start Date: 12/31/12 13:31 Batch Analyst: Nicholas, Courtney

Batch Method: 3060A Batch End Date: 01/02/13 09:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	WCCHROME50PM2 00010	WCCHROME50PPM 00009	WCPBCHROMATE 00004	
240-18735-B-22	076SB-0133-0001-SO	3060A, 7196A	T	2.5 g	100 mL				
240-18735-B-23	076SB-0134-0001-SO	3060A, 7196A	T	2.5 g	100 mL				
240-18735-B-24	076SB-0135-0001-SO	3060A, 7196A	T	2.5 g	100 mL				
240-18735-B-25	076SB-0136-0001-SO	3060A, 7196A	T	2.5 g	100 mL				

Batch Notes	
Alkaline Digestion Solution Reagent ID	811011
Batch Comment	Sand: 398740 Filters: FC004944
First End time	8:25
Potassium Phosphate Buffer Reagent ID	811027
Lead Chromate Lot #	358971
Magnesium Chloride Lot Number	575381
Pipette ID	377822
First Start time	7:25
Ending Temperature	95 Celsius
Starting Temperature	95 Celsius

Basis	Basis Description
T	Total/NA

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GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Batch Number: 70884 Batch Start Date: 01/02/13 12:45 Batch Analyst: Grossman, Lucas

Batch Method: 7196A Batch End Date: 01/02/13 13:55

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg					
ICV 240-70771/7-A		7196A		Color Resp. is Blank					
ICB 240-70771/8-A		7196A		Color Resp. is Blank					
MB 240-70771/9-A		7196A		Color Resp. is Blank					
LCSS 240-70771/10-A		7196A		Color Resp. is Blank					
LCSI 240-70771/11-A		7196A		Color Resp. is Blank					
CCV 240-70771/12-A		7196A		Color Resp. is Blank					
CCB 240-70771/13-A		7196A		Color Resp. is Blank					
240-18735-B-8-A	076SB-0119-0001-SO	7196A	T	Color Resp. is Blank					
240-18735-B-9-A	076SB-0120-0001-SO	7196A	T	Color Resp. is Blank					
CCV 240-70771/12-A		7196A		Color Resp. is Blank					
CCB 240-70771/13-A		7196A		Color Resp. is Blank					
240-18735-B-10-A	076SB-0121-0001-SO	7196A	T	Color Resp. is Blank					
240-18735-B-11-A	076SB-0122-0001-SO	7196A	T	Color Resp. is Blank					
CCV 240-70771/12-A		7196A		Color Resp. is Blank					
CCB 240-70771/13-A		7196A		Color Resp. is Blank					
240-18735-B-12-A	076SB-0123-0001-SO	7196A	T	Color Resp. is Blank					
240-18735-B-13-A	076SB-0124-0001-SO	7196A	T	Color Resp. is Blank					
CCV 240-70771/12-A		7196A		Color Resp. is Blank					
CCB 240-70771/13-A		7196A		Color Resp. is Blank					
240-18735-C-14-A DU	076SB-0125-0001-SO	7196A	T	Color Resp. is Blank					
240-18735-C-14-B	076SB-0125-0001-SO	7196A	T	Color Resp. is Blank					

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GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Batch Number: 70884 Batch Start Date: 01/02/13 12:45 Batch Analyst: Grossman, Lucas

Batch Method: 7196A Batch End Date: 01/02/13 13:55

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg					
CCV 240-70771/12-A		7196A		Color Resp. is Blank					
CCB 240-70771/13-A		7196A		Color Resp. is Blank					
240-18735-B-15-A	076SB-0126-0001-SO	7196A	T	Color Resp. is Blank					
240-18735-B-16-A	076SB-0127-0001-SO	7196A	T	Color Resp. is Blank					
CCV 240-70771/12-A		7196A		Color Resp. is Blank					
CCB 240-70771/13-A		7196A		Color Resp. is Blank					
240-18735-B-17-A	076SB-0128-0001-SO	7196A	T	Color Resp. is Blank					
240-18735-B-18-A	076SB-0129-0001-SO	7196A	T	Color Resp. is Blank					
CCV 240-70771/12-A		7196A		Color Resp. is Blank					
CCB 240-70771/13-A		7196A		Color Resp. is Blank					
240-18735-B-19-A	076SB-0130-0001-SO	7196A	T	Color Resp. is Blank					
240-18735-B-20-A	076SB-0131-0001-SO	7196A	T	Color Resp. is Blank					
CCV 240-70771/12-A		7196A		Color Resp. is Blank					
CCB 240-70771/13-A		7196A		Color Resp. is Blank					
240-18735-B-21-A	076SB-0132-0001-SO	7196A	T	Color Resp. is Blank					
240-18735-B-22-A	076SB-0133-0001-SO	7196A	T	Color Resp. is Blank					
CCV 240-70771/12-A		7196A		Color Resp. is Blank					
CCB 240-70771/13-A		7196A		Color Resp. is Blank					
240-18735-B-23-A	076SB-0134-0001-SO	7196A	T	Color Resp. is Blank					
240-18735-B-24-A	076SB-0135-0001-SO	7196A	T	Color Resp. is Blank					
CCV 240-70771/12-A		7196A		Color Resp. is Blank					

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GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Batch Number: 70884 Batch Start Date: 01/02/13 12:45 Batch Analyst: Grossman, Lucas

Batch Method: 7196A Batch End Date: 01/02/13 13:55

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg					
CCB 240-70771/13-A		7196A		Color Resp. is Blank					
240-18735-B-25-A	076SB-0136-0001-SO	7196A	T	Color Resp. is Blank					
CCV 240-70771/12-A		7196A		Color Resp. is Blank					
CCB 240-70771/13-A		7196A		Color Resp. is Blank					

Batch Notes	
Batch Comment	Filters: 781315
Spectrophotometer Cell Path Length	1 cm
Color Reagent ID Number	801715
Sulfuric Acid Reagent ID Number	759713

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Batch Number: 68573 Batch Start Date: 12/13/12 12:13 Batch Analyst: Harshman, Tom

Batch Method: Moisture Batch End Date: 12/14/12 10:35

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
240-18735-J-1 DU	070SB-0042M-0001 -SO	Moisture	T	4.3988 g	12.7211 g	11.6429 g			
240-18735-K-1	070SB-0042M-0001 -SO	Moisture	T	4.3988 g	13.7777 g	12.3650 g			
240-18735-A-9	076SB-0120-0001-SO	Moisture	T	4.3988 g	15.6495 g	14.2425 g			
240-18735-A-10	076SB-0121-0001-SO	Moisture	T	4.3988 g	16.6661 g	15.3085 g			
240-18735-A-11	076SB-0122-0001-SO	Moisture	T	4.3988 g	16.9639 g	15.0720 g			
240-18735-A-12	076SB-0123-0001-SO	Moisture	T	4.3988 g	17.5878 g	15.8101 g			
240-18735-A-13	076SB-0124-0001-SO	Moisture	T	4.3988 g	18.6138 g	16.6990 g			
240-18735-A-15	076SB-0126-0001-SO	Moisture	T	4.3988 g	14.1397 g	13.1968 g			
240-18735-A-16	076SB-0127-0001-SO	Moisture	T	4.3988 g	13.5423 g	12.6166 g			
240-18735-A-14 DU	076SB-0125-0001-SO	Moisture	T	4.3988 g	18.1588 g	17.1309 g			
240-18735-B-14	076SB-0125-0001-SO	Moisture	T	4.3988 g	13.1158 g	12.3597 g			
240-18735-A-17	076SB-0128-0001-SO	Moisture	T	4.3988 g	13.9930 g	13.0815 g			
240-18735-A-18	076SB-0129-0001-SO	Moisture	T	4.3988 g	16.9440 g	15.6743 g			
240-18735-A-19	076SB-0130-0001-SO	Moisture	T	4.3988 g	15.0256 g	14.1111 g			
240-18735-A-20	076SB-0131-0001-SO	Moisture	T	4.3988 g	15.0922 g	14.1880 g			
240-18735-A-21	076SB-0132-0001-SO	Moisture	T	4.3988 g	15.2933 g	13.2235 g			
240-18735-A-22	076SB-0133-0001-SO	Moisture	T	4.3988 g	17.3943 g	14.9565 g			
240-18735-A-23	076SB-0134-0001-SO	Moisture	T	4.3988 g	16.7781 g	15.3379 g			
240-18735-A-24	076SB-0135-0001-SO	Moisture	T	4.3988 g	17.6745 g	15.9239 g			
240-18735-A-25 DU	076SB-0136-0001-SO	Moisture	T	4.3988 g	9.3878 g	8.7237 g			
240-18735-A-25	076SB-0136-0001-SO	Moisture	T	4.3988 g	10.1801 g	9.4010 g			

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GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Batch Number: 68573 Batch Start Date: 12/13/12 12:13 Batch Analyst: Harshman, Tom

Batch Method: Moisture Batch End Date: 12/14/12 10:35

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
240-18735-A-8	076SB-0119-0001-SO	Moisture	T	4.3988 g	15.4197 g	14.0447 g			

Batch Notes	
Balance ID	B047 No Unit
Date samples were placed in the oven	12/13/12
Oven Temp when samples are put in oven	103.5 Degrees C
Time samples were place in the oven	15:30
Date samples were removed from oven	12/14/12
Oven Temp when samples removed from oven	103.9 Degrees C
Time Samples were removed from oven	05:10
Oven ID	002
ID number of the thermometer	Tempguard Box C #6

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: _____

Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other _____

TestAmerica Laboratories, Inc.

Client Contact				
Company Name: ECC	Client Project Manager: A. EASTBROOK	Site Contact: J. DONOVAN	Lab Contact: M. LOEB	COC No: 050743
Address: 33 BOSTON POST RD	Telephone:	Telephone:	Telephone: REACTIVITY, CORROSIVITY, IGNITIBILITY	1 of 3 COCs
City/State/Zip: MARLBORO MA	Email:	Analysis Turnaround Time (in BUS days)	Analyses	For lab use only
Phone:		TAT if different from below ☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		Walk-in client: ☐ Lab pickup: ☐ Lab sampling: ☐ Job/SDG No:
Project Name:	Method of Shipment/Carrier: DEL. TO LAB			
Project Number:	Shipping/Tracking No:			

PO #			Matrix					Containers & Preservatives							Filtered Sample (Y / N)	Composite C / Grab G	Analyses										Sample Specific Notes / Special Instructions:
Sample Identification	Sample Date	Sample Time	Air	Aqueous	Sediment	Solid	Other:	UNPRES / WATER	HNO3	HCl	NaOH	ZnAc/ NaOH	Unpres	Other: 01			VOC (MTBE)	GRO	DRO (TAL METALS)	PEST / PCB	HERBICIDES	EXPLOSIVES	PRODUCTS	O/G SOLID	SVOC (PAH)	TCLP (VOC) (SVOC) (PEST)	
070SB-0042M-0001-SO	12-12-12	1030				X		X					X	X				X						X			
070SB-0042M-0002-SO		1030				X		X					X	X				X						X			MS/MSD
070SB-0055-0001-TB		0800		X						X				X				X									TRIP BLK
070-0056-0001-SOURCE WATER		1300		X					X	X			X				X	X	X	X	X	X	X		X		SOURCE WATER DRILLER
070-0057-0001-SOURCE WATER		1315		X					X	X			X				X	X	X	X	X	X	X		X		SOURCE WATER ECC
070-0058-0001-IDW		1330				X							X												X	X	IDW TCLP SOLID
070-0059-0001-IDW		1330		X						X	X						X									X	IDW TCLP LIQUIDS
070-0060-0001-TB	↓	0800																									TRIP BLK

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments:

ANY QUES ON TCLP ANALYSIS CALL JACKSON KIKER AT ECC

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	ECC	12-12-12 1702			12-12-12
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: [signature]	Company: TAL	Date/Time: 12/12/12 1702

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Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: _____
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other _____

TestAmerica Laboratories, Inc.

Client Contact				
Company Name: KCL	Client Project Manager: AL FASTRAM	Site Contact: J. DONOVAN	Lab Contact: MARK LOEB	COC No: 050742
Address: 33 BOSTON POST RD WEST	Telephone:	Telephone:	Telephone:	2 of 3 COCs
City/State/Zip: MARLBORO MA 01752	Email:	Analysis Turnaround Time (in BUS days)	Analyses	For lab use only
Phone:		TAT if different from below: STANDARD ☐ 5 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		☐ Walk-in client ☐ Lab picking ☐ Lab sampling
Project Name:	Method of Shipment/Carrier: DEL. TO LAB			
Project Number:	Shipping/Tracking No:			Job/SDG No.:

PO#			Matrix					Containers & Preservatives							Filtered Sample (Y / N)	Composite / Grab	Analyses												Sample Specific Notes / Special Instructions:
Sample Identification	Sample Date	Sample Time	Air	Aqueous	Sediment	Solid	Other:	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Unpres	Other:			1,8260												
07658-0119-0001-SO	12-11-12	0910				X							X				X												
07658-0120-0001-SO	↓	1120				↓							↓				↓												
07658-0121-0001-SO		1050																											
07658-0122-0001-SO		0930																											
07658-0123-0001-SO		0950																											
07658-0124-0001-SO	↓	1015																											
07658-0125-0001-SO	12-12-12	1015																											
07658-0125-0002-SO	12-12-12	1015																											MS/MSD
07658-0126-0001-SO	12-11-12	1555																											
07658-0127-0001-SO	↓	1555				↓							↓				↓												

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments:
DISCRETE SAMPLES, DO NOT DRY

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	KCL	12-12-12 1707			12-12-12
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: [signature]	Company: TVA	Date/Time: 12/12/12 1707

Page 367 of 370

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Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: _____
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other _____

TestAmerica Laboratories, Inc.

Client Contact				
Company Name: ECC	Client Project Manager: AL BASTIAN	Site Contact: J. DONOVAN	Lab Contact: MARK LOHR	COC No: 049454
Address: 33 BOSTON POST ROAD W.	Telephone:	Telephone:	Telephone:	3 of 3 COCs
City/State/Zip: MARLBORO MA	Email:	Analysis Turnaround Time (calendar days)	Analyses	For lab use only
Phone:		TAT if different from below: STANDARD		Walk-in client ☐
Project Name:	Method of Shipment/Carrier: DEL. TO LAB	☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		Lab pickup ☐ Lab sampling ☐
Project Number:	Shipping/Tracking No:			Job/SDG No:

PO #	Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other:	Filtered Sample (Y / N)	Composites / Grabs	Analyses: HEX. CHROM	Sample Specific Notes / Special Instructions:
	0765B-0128-0001-SO	12-11-12	1520				X											X	
	0765B-0129-0001-SO	↓	1450																
	0765B-0130-0001-SO	12-12-12	1049																
	0765B-0131-0001-SO	↓	1124																
	0765B-0132-0001-SO	12-11-12	1225																
	0765B-0133-0001-SO		1225																
	0765B-0134-0001-SO		1315																
	0765B-0135-0001-SO		1340																
	0765B-0136-0001-SO	↓	1410				↓											↓	
							X												

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments:
DISCARD, DO NOT DRY

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	ECC	12-12-12 1707			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:
				TAL	12/12/12 1707

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TAL 0018- 1 (04/10)

TestAmerica Canton Sample Receipt Form/Narrative **Login # : 18735**

Client ECC Site Name _____ By: _____

Cooler Received on 12-12-12 Opened on 12-12-12 (Signature)

FedEx: 1st Grd Exp UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____

TestAmerica Cooler # _____ Foam Box Client Cooler Box Other _____

Packing material used: Bubble Wrap Foam Plastic Bag None Other _____

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# 1 (CF –2 °C) Observed Sample Temp._____°C Corrected Sample Temp._____°C

IR GUN# 4G (CF 0 °C) Observed Sample Temp._____°C Corrected Sample Temp._____°C

IR GUN# 5G (CF 0 °C) Observed Sample Temp._____°C Corrected Sample Temp._____°C

IR GUN# 8 (CF 0 °C) Observed Sample Temp._____°C Corrected Sample Temp._____°C

☐ Multiple on Back

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity_____	Yes	No
-Were custody seals on the outside of the cooler(s) signed & dated?	Yes	No NA
-Were custody seals on the bottle(s)?	Yes	No
3. Shippers' packing slip attached to the cooler(s)? CSL 12/12/12	Yes	No
4. Did custody papers accompany the sample(s)?	Yes	No
5. Were the custody papers relinquished & signed in the appropriate place?	Yes	No
6. Did all bottles arrive in good condition (Unbroken)?	Yes	No
7. Could all bottle labels be reconciled with the COC?	Yes	No
8. Were correct bottle(s) used for the test(s) indicated?	Yes	No
9. Sufficient quantity received to perform indicated analyses?	Yes	No
10. Were sample(s) at the correct pH upon receipt?	Yes	No NA
11. Were VOAs on the COC?	Yes	No
12. Were air bubbles >6 mm in any VOA vials?	Yes	No NA
13. Was a trip blank present in the cooler(s)?	Yes	No

Contacted PM MJL Date 12/12/12 by CSL via Verbal Voice Mail Other

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

58-0001-FOW recvd soil and water, but did not get 59-0001-FOW will log 58 water ~~in place of~~ as 59. Will log per COC.

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in Sample Receiving to meet recommended pH level(s). Nitric Acid Lot# 031512-HNO3; Sulfuric Acid Lot# 051012-H2SO4; Sodium Hydroxide Lot# 121809 -NaOH; Hydrochloric Acid Lot# 041911-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-(CH3COO)2ZN/NaOH. What time was preservative added to sample(s)?

Client ID	pH	Date	Initials
56	12	12/12/12	CSL
57	12	1	1

Cooler #	Observed Sample Temp. °C	Corrected Sample Temp. °C	IR #	Coolant
TA Nott	4.2	4.2	4G	Ice
Client	3.8	3.8	1	1
1	4.6	4.6		
	4.0	4.0		

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 240-18735-2

Job Description: RVAAP - ECC

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

Attention: Mr. Jackson Kiker

Approved for release.
Mark J Loeb
Project Manager II
1/11/2013 1:21 PM

Mark J Loeb
Project Manager II
mark.loeb@testamericainc.com
01/11/2013

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of TestAmerica and its client. All questions regarding this report should be directed to the TestAmerica Project Manager who has signed this report.

TestAmerica Laboratories, Inc.
TestAmerica Canton 4101 Shuffel Street NW, North Canton, OH 44720
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Table of Contents

Cover Title Page 1

Data Summaries 9

- Report Narrative 9
- Manual Integration Summary 14
- Sample Summary 51
- Executive Summary 52
- Method Summary 54
- Method / Analyst Summary 57
- Sample Datasheets 58
- Surrogate Summary 104
- QC Data Summary 128
- Data Qualifiers 200
- QC Association Summary 202
- Lab Chronicle 211
- Reagent Traceability 221
  - COAs 364
- Certification Summary 531

Organic Sample Data 533

- GC/MS VOA 533
  - Method 8260B DOD 533
    - Method 8260B DOD QC Summary 534
    - Method 8260B DOD Sample Data 553
    - Standards Data 578
      - Method 8260B DOD ICAL Data 578
      - Method 8260B DOD CCAL Data 612
    - Raw QC Data 642

Table of Contents

Method 8260B DOD Tune Data 642

Method 8260B DOD Blank Data 651

Method 8260B DOD LCS/LCSD Data 662

Method 8260B DOD MS/MSD Data 695

Method 8260B DOD Run Logs 705

Method 8260B DOD Prep Data 708

GC/MS Semi VOA 709

Method 8270C DOD 709

Method 8270C DOD QC Summary 710

Method 8270C DOD Sample Data 736

Standards Data 756

Method 8270C DOD ICAL Data 756

Method 8270C DOD CCAL Data 912

Raw QC Data 993

Method 8270C DOD Tune Data 993

Method 8270C DOD Blank Data 1041

Method 8270C DOD LCS/LCSD Data 1057

Method 8270C DOD Run Logs 1102

Method 8270C DOD Prep Data 1108

GC VOA 1111

Method 8015B - GRO 1111

Method 8015B - GRO QC Summary 1112

Method 8015B - GRO Sample Data 1119

Standards Data 1127

Method 8015B - GRO ICAL Data 1127

Method 8015B - GRO CCAL Data 1142

Table of Contents

Raw QC Data 1167

Method 8015B - GRO Blank Data 1167

Method 8015B - GRO LCS/LCSD Data 1170

Method 8015B - GRO Run Logs 1179

GC Semi VOA 1182

Method 8015B - DRO DOD 1182

Method 8015B - DRO DOD QC Summary 1183

Method 8015B - DRO DOD Sample Data 1190

Standards Data 1196

Method 8015B - DRO DOD ICAL Data 1196

Method 8015B - DRO DOD CCAL Data 1209

Raw QC Data 1225

Method 8015B - DRO DOD Blank Data 1225

Method 8015B - DRO DOD LCS/LCSD Data 1229

Method 8015B - DRO DOD Run Logs 1240

Method 8015B - DRO DOD Prep Data 1242

Method 8081 DOD 1243

Method 8081 DOD QC Summary 1244

Method 8081 DOD Sample Data 1263

Standards Data 1304

Method 8081 DOD ICAL Data 1304

Method 8081 DOD PEM Data 1486

Method 8081 DOD CCAL Data 1524

Raw QC Data 1671

Method 8081 DOD Blank Data 1671

Method 8081 DOD LCS/LCSD Data 1692

Table of Contents

Method 8081 DOD MS/MSD Data 1756

Method 8081 DOD Run Logs 1764

Method 8081 DOD Prep Data 1769

Method 8082 DOD 1772

Method 8082 DOD QC Summary 1773

Method 8082 DOD Sample Data 1782

Standards Data 1802

Method 8082 DOD ICAL Data 1802

Method 8082 DOD CCAL Data 2000

Raw QC Data 2074

Method 8082 DOD Blank Data 2074

Method 8082 DOD LCS/LCSD Data 2084

Method 8082 DOD Run Logs 2112

Method 8082 DOD Prep Data 2116

Method 8151 DOD 2117

Method 8151 DOD QC Summary 2118

Method 8151 DOD Sample Data 2139

Standards Data 2169

Method 8151 DOD ICAL Data 2169

Method 8151 DOD CCAL Data 2283

Raw QC Data 2411

Method 8151 DOD Blank Data 2411

Method 8151 DOD LCS/LCSD Data 2427

Method 8151 DOD MS/MSD Data 2477

Method 8151 DOD Run Logs 2483

Method 8151 DOD Prep Data 2488

Table of Contents

HPLC/IC 2492

Method 8330 Nitroguanidine 2492

Method 8330 Nitroguanidine QC Summary 2493

Method 8330 Nitroguanidine Sample Data 2495

Standards Data 2501

Method 8330 Nitroguanidine ICAL Data 2501

Method 8330 Nitroguanidine CCAL Data 2516

Raw QC Data 2545

Method 8330 Nitroguanidine Blank Data 2545

Method 8330 Nitroguanidine LCS/LCSD Data 2548

Method 8330 Nitroguanidine Run Logs 2551

Method 8330 Nitroguanidine Prep Data 2554

Method 8330B 2555

Method 8330B QC Summary 2556

Method 8330B Sample Data 2561

Standards Data 2567

Method 8330B ICAL Data 2567

Method 8330B CCAL Data 2597

Raw QC Data 2645

Method 8330B Blank Data 2645

Method 8330B LCS/LCSD Data 2648

Method 8330B Run Logs 2652

Method 8330B Prep Data 2655

Inorganic Sample Data 2657

Metals Data 2657

Met Cover Page 2658

Table of Contents

Met Sample Data 2660

Met QC Data 2666

Met ICV/CCV 2666

Met CRQL 2673

Met Blanks 2678

Met ICSA/ICSAB 2688

Met MS/MSD/PDS 2692

Met LCS/LCSD 2695

Met Serial Dilution 2700

Met MDL 2701

Met Linear Ranges 2713

Met Preparation Log 2717

Met Analysis Run Log 2721

Met ICP/MS Int Stds 2743

Met Raw Data 2745

Met Prep Data 3177

General Chemistry Data 3186

Gen Chem Cover Page 3187

Gen Chem Sample Data 3189

Gen Chem QC Data 3194

Gen Chem ICV/CCV 3194

Gen Chem Blanks 3199

Gen Chem MS/MSD/PDS 3201

Gen Chem Duplicates 3203

Gen Chem LCS/LCSD 3204

Gen Chem MDL 3210

Table of Contents

Gen Chem Linear Ranges 3230

Gen Chem Preparation Log 3231

Gen Chem Analysis Run Log 3236

Gen Chem Raw Data 3251

Gen Chem Prep Data 3269

Subcontracted Data 3287

Shipping and Receiving Documents 3288

Client Chain of Custody 3289

Sample Receipt Checklist 3294

CASE NARRATIVE

Client: Environmental Chemical Corp.

Project: RVAAP - ECC

Report Number: 240-18735-2

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

The 353.2 Nitrocellulose, 8330 Ntiroguanidine and 8330B Explosives analysis were performed at the TestAmerica Sacramento Laboratory. The 6020 Metals analysis was performed at the TestAmerica Pittsburgh Laboratory.

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

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

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

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

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

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

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

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

RECEIPT

The samples were received on 12/12/2012; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 3.8, 4.0, 4.2 and 4.6 C.

TCLP VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples 070-0058-0001-IDW (240-18735-5) and 070-0059-0001-IDW (240-18735-6) were analyzed for TCLP volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 1311/8260 DOD. The samples were leached on 12/18/2012 and analyzed on 01/02/2013.

Sample 070-0059-0001-IDW (240-18735-6)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The following volatiles sample(s) was diluted due to foaming at the time of purging during the original sample analysis: 070-0059-0001-IDW (240-18735-6). Elevated reporting limits (RLs) are provided.

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

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples 070-0056-0001-SOURCE WATER (240-18735-3) and 070-0057-0001-SOURCE WATER (240-18735-4) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B DoD. The samples were analyzed on 12/20/2012.

Methylene Chloride failed the recovery criteria low for MRL 240-69591/18. Bromoform failed the recovery criteria low for MRL 240-69591/5. Refer to the QC report for details.

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

TCLP SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)
Samples 070-0058-0001-IDW (240-18735-5) and 070-0059-0001-IDW (240-18735-6) were analyzed for TCLP semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 1311/8270 DOD. The samples were leached on 12/18/2012, prepared on 12/24/2012 and analyzed on 12/29/2012.

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

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)
Samples 070-0056-0001-SOURCE WATER (240-18735-3) and 070-0057-0001-SOURCE WATER (240-18735-4) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 12/13/2012 and analyzed on 12/17/2012.

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

The continuing calibration verification (CCV) for 4-Nitrophenol associated with batch 68692 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The MRL closer for batch 68692 associated with sample(s) 070-0056-0001-SOURCE WATER (240-18735-3), 070-0057-0001-SOURCE WATER (240-18735-4) recovered 4-Nitrophenol above the upper limit. However, since all associated samples were ND for 4-Nitrophenol no corrective action was necessary.

Method(s) 3520C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 68547. 8270.

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

GASOLINE RANGE ORGANICS (GRO)
Samples 070-0056-0001-SOURCE WATER (240-18735-3) and 070-0057-0001-SOURCE WATER (240-18735-4) were analyzed for gasoline range organics (GRO) in accordance with EPA SW-846 Method 8015B - GRO. The samples were analyzed on 12/22/2012.

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

NITROGUANIDINE (HPLC)
Samples 070-0056-0001-SOURCE WATER (240-18735-3) and 070-0057-0001-SOURCE WATER (240-18735-4) were analyzed for nitroguanidine (HPLC) in accordance with EPA SW-846 Method 8330_Ngu. The samples were prepared on 12/24/2012 and analyzed on 12/27/2012.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 7404.

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

DIESEL RANGE ORGANICS (DRO)
Samples 070-0056-0001-SOURCE WATER (240-18735-3) and 070-0057-0001-SOURCE WATER (240-18735-4) were analyzed for diesel range organics (DRO) in accordance with EPA SW-846 Method 8015B - DRO DoD. The samples were prepared on 12/13/2012 and analyzed on 12/17/2012.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 68549. DRO.

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

TCLP PESTICIDES
Samples 070-0058-0001-IDW (240-18735-5) and 070-0059-0001-IDW (240-18735-6) were analyzed for TCLP pesticides in accordance with EPA SW-846 Method 1311/8081 DOD. The samples were leached on 12/18/2012, prepared on 12/24/2012 and analyzed on 01/06/2013.

DCB Decachlorobiphenyl failed the surrogate recovery criteria low for 070-0059-0001-IDW (240-18735-6). DCB Decachlorobiphenyl failed the surrogate recovery criteria low for 070-0059-0001-IDWMS (240-18735-6MS). Refer to the QC report for details.

Surrogate recovery for DCB in the following sample was outside DOD control limits: 070-0059-0001-IDW (240-18735-6). Evidence of matrix interference is confirmed by the associated matrix spike (MS), therefore re-extraction and re-analysis was not performed.

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

CHLORINATED PESTICIDES
Samples 070-0056-0001-SOURCE WATER (240-18735-3) and 070-0057-0001-SOURCE WATER (240-18735-4) were analyzed for

chlorinated pesticides in accordance with EPA SW-846 Method 8081A DoD. The samples were prepared on 12/13/2012 and analyzed on 12/18/2012.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 68554. 8081.

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

POLYCHLORINATED BIPHENYLS (PCBS)
Samples 070-0056-0001-SOURCE WATER (240-18735-3) and 070-0057-0001-SOURCE WATER (240-18735-4) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082 DOD. The samples were prepared on 12/13/2012 and analyzed on 12/18/2012.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 68553. 8082.

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

CHLORINATED HERBICIDES
Samples 070-0058-0001-IDW (240-18735-5) and 070-0059-0001-IDW (240-18735-6) were analyzed for chlorinated herbicides in accordance with EPA SW-846 Method 8151A DoD. The samples were leached on 12/18/2012, prepared on 12/24/2012 and analyzed on 01/01/2013.

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

CHLORINATED HERBICIDES
Samples 070-0056-0001-SOURCE WATER (240-18735-3) and 070-0057-0001-SOURCE WATER (240-18735-4) were analyzed for chlorinated herbicides in accordance with EPA SW-846 Method 8151A DoD. The samples were prepared on 12/19/2012 and analyzed on 12/24/2012.

The opening and closing MRLs failed low for MCPP and MCPA. These two compounds are calculated using a quadratic curve and this may be the cause of the failure. The other compounds pass criteria and the data is reported.

The continuing calibration verification (CCV) for MCPA and MCPP associated with batch 70037 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.070-0056-0001-SOURCE WATER (240-18735-3), 070-0057-0001-SOURCE WATER (240-18735-4).

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 69372, 8151.

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

NITROAROMATICS AND NITRAMINES (HPLC)
Samples 070-0056-0001-SOURCE WATER (240-18735-3) and 070-0057-0001-SOURCE WATER (240-18735-4) were analyzed for Nitroaromatics and Nitramines (HPLC) in accordance with EPA SW-846 Method 8330B. The samples were prepared on 12/14/2012 and analyzed on 12/21/2012.

Method(s) 8330B: The continuing calibration verification at the reporting limit (CCVL) for analytical batch 7620 exceeded control criteria for Nitrobenzene,Tetryl, o-Nitrotoluene, p-Nitrotoluene, m-Nitrotoluene, 3,5-Dinitroaniline, 2,4,6-Trinitrotoluene, RDX, HMX, 4-Amino-2,6-Dinitrotoluene, 2-Amino-4,6-Dinitrotoluene, PETN, 2,4-Dinitrotoluene, and 2,6-Dinitrotoluene. The corrective action for this deficiency is an analysis of a standard at approximately 2x the MDL. The acceptance criterion for the 2x MDL standard is detection of the compound. As the compounds were detected, the data have been qualified and reported.

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

TCLP METALS (ICP)
Samples 070-0058-0001-IDW (240-18735-5) and 070-0059-0001-IDW (240-18735-6) were analyzed for TCLP metals (ICP) in accordance with EPA SW-846 Methods 1311/ 6010 DoD. The samples were leached on 12/18/2012, prepared on 12/19/2012 and analyzed on 01/03/2013.

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

Selenium was detected in method blank LB 240-69294/1-D at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

A 4x dilution was done due to matrix. 070-0059-0001-IDW (240-18735-6).

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

TOTAL RECOVERABLE METALS (ICPMS)
Samples 070-0056-0001-SOURCE WATER (240-18735-3) and 070-0057-0001-SOURCE WATER (240-18735-4) were analyzed for total recoverable metals (ICPMS) in accordance with EPA SW-846 Method 6020 DoD. The samples were prepared on 12/24/2012 and analyzed on 12/29/2012.

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

Aluminum and Iron were detected in method blank MB 180-59308/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

Method(s) 6020/DOD: The interference check standard solution (ICSA) associated with batch 59308 showed results for one or more elements at a level greater than the limit of detection (LOD). It is believed that the solution contains trace impurities of this element / these elements and the results are not due to matrix interference. These results are consistent with those found by the manufacturer of the ICSA solution.

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

TCLP MERCURY
Samples 070-0058-0001-IDW (240-18735-5) and 070-0059-0001-IDW (240-18735-6) were analyzed for TCLP Mercury in accordance with EPA SW-846 Methods 1311// 7470 DOD. The samples were leached on 12/18/2012, and prepared and analyzed on 12/20/2012.

Method(s) 3010A: A 4x dilution was done due to matrix. 070-0059-0001-IDW (240-18735-6).

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

TOTAL MERCURY - DOD
Samples 070-0056-0001-SOURCE WATER (240-18735-3) and 070-0057-0001-SOURCE WATER (240-18735-4) were analyzed for Total Mercury - DOD in accordance with EPA SW-846 Method 7470A. The samples were prepared on 12/27/2012 and analyzed on 12/29/2012.

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

FLASHPOINT
Sample 070-0058-0001-IDW (240-18735-5) was analyzed for flashpoint in accordance with EPA SW-846 Method 1010. The samples were analyzed on 12/14/2012.

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

FLASHPOINT
Sample 070-0059-0001-IDW (240-18735-6) was analyzed for flashpoint in accordance with EPA SW-846 Method 1010. The samples were analyzed on 12/20/2012.

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

NITROCELLULOSE
Samples 070-0056-0001-SOURCE WATER (240-18735-3) and 070-0057-0001-SOURCE WATER (240-18735-4) were analyzed for Nitrocellulose in accordance with EPA Method 353.2. The samples were prepared and analyzed on 12/27/2012.

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

CYANIDE, TOTAL
Sample 070-0058-0001-IDW (240-18735-5) was analyzed for Cyanide, Total in accordance with EPA SW-846 Method 9012A DoD. The samples were prepared and analyzed on 12/20/2012.

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

CYANIDE, TOTAL
Sample 070-0059-0001-IDW (240-18735-6) was analyzed for Cyanide, Total in accordance with EPA SW-846 Method 9012A DoD. The samples were prepared and analyzed on 12/24/2012.

The following cyanide sample arrived at the bench with a pH of 10: 070-0059-0001-IDW (240-18735-6).

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

SULFIDE
Sample 070-0058-0001-IDW (240-18735-5) was analyzed for sulfide in accordance with EPA SW-846 Method 9034. The samples were prepared and analyzed on 12/17/2012.

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

SULFIDE
Sample 070-0059-0001-IDW (240-18735-6) was analyzed for sulfide in accordance with EPA SW-846 Method 9034. The samples were prepared and analyzed on 12/17/2012.

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

PH
Sample 070-0059-0001-IDW (240-18735-6) was analyzed for pH in accordance with EPA SW-846 Method 9040C. The samples were analyzed on 12/13/2012.

The following sample was analyzed outside of analytical holding time because pH is a field test:070-0059-0001-IDW (240-18735-6).

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

PH
Sample 070-0058-0001-IDW (240-18735-5) was analyzed for pH in accordance with EPA SW-846 Method 9045C. The samples were analyzed on 12/14/2012.

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

PERCENT SOLIDS
Sample 070-0058-0001-IDW (240-18735-5) was analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 12/13/2012.

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

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A4HP7 Analysis Batch Number: 64102

Lab Sample ID: STD5 240-64102/2 IC Client Sample ID:

Date Analyzed: 11/07/12 11:44 Lab File ID: 21107002.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.51	Poor Chromatography	gruberj	11/07/12 14:47

Lab Sample ID: STD3 240-64102/4 IC Client Sample ID:

Date Analyzed: 11/07/12 12:31 Lab File ID: 21107004.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.51	Poor Chromatography	gruberj	11/07/12 14:47
Pyridine	3.02	Poor Chromatography	gruberj	11/07/12 14:49

Lab Sample ID: STD2 240-64102/5 IC Client Sample ID:

Date Analyzed: 11/07/12 12:54 Lab File ID: 21107005.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.51	Poor Chromatography	gruberj	11/07/12 14:50
N-Nitrosodimethylamine	2.97	Poor Chromatography	gruberj	11/07/12 14:50
Pyridine	3.03	Poor Chromatography	gruberj	11/07/12 14:50
Ethyl methacrylate	3.63	Poor Chromatography	gruberj	11/07/12 14:50
Malononitrile	4.34	Poor Chromatography	gruberj	11/07/12 14:50

Lab Sample ID: STD1 240-64102/6 IC Client Sample ID:

Date Analyzed: 11/07/12 13:18 Lab File ID: 21107006.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	16.02	Poor Chromatography	gruberj	11/07/12 14:51
Dibenz(a,h)anthracene	16.05	Poor Chromatography	gruberj	11/07/12 14:51
Benzo[g,h,i]perylene	16.45	Poor Chromatography	gruberj	11/07/12 14:51

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A4HP7 Analysis Batch Number: 64102

Lab Sample ID: STD6 240-64102/10 ICIS Client Sample ID:

Date Analyzed: 11/07/12 14:51 Lab File ID: 21107010.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.50	Poor Chromatography	gruberj	11/07/12 15:23

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A4HP9 Analysis Batch Number: 69820

Lab Sample ID: STD5 240-69820/2 IC Client Sample ID:

Date Analyzed: 12/21/12 13:40 Lab File ID: 21221002.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.73	Poor Chromatography	ulmanm	12/21/12 14:23
Pyridine	3.25	Poor Chromatography	ulmanm	12/21/12 14:23
Benzoic acid	6.83	Poor Chromatography	ulmanm	12/21/12 14:23

Lab Sample ID: STD4 240-69820/3 IC Client Sample ID:

Date Analyzed: 12/21/12 14:05 Lab File ID: 21221003.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.73	Poor Chromatography	ulmanm	12/22/12 10:08
N-Nitrosodimethylamine	3.20	Poor Chromatography	ulmanm	12/22/12 10:08
Pyridine	3.26	Poor Chromatography	ulmanm	12/22/12 10:08
Ethyl methacrylate	3.82	Poor Chromatography	ulmanm	12/22/12 10:08
Benzoic acid	6.82	Poor Chromatography	ulmanm	12/22/12 10:08

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A4HP9 Analysis Batch Number: 69820

Lab Sample ID: STD3 240-69820/4 IC Client Sample ID:

Date Analyzed: 12/21/12 14:29 Lab File ID: 21221004.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.73	Wrong Isomer	ulmanm	12/22/12 10:13
N-Nitrosodimethylamine	3.20	Wrong Isomer	ulmanm	12/22/12 10:13
Pyridine	3.28	Wrong Isomer	ulmanm	12/22/12 10:13
Ethyl methacrylate	3.82	Wrong Isomer	ulmanm	12/22/12 10:13
3-Chloropropionitrile	4.16	Wrong Isomer	ulmanm	12/22/12 10:13
Malononitrile	4.49	Wrong Isomer	ulmanm	12/22/12 10:13
Benzoic acid	6.81	Wrong Isomer	ulmanm	12/22/12 10:13
3,3'-Dimethoxybenzidine	12.37	Wrong Isomer	ulmanm	12/22/12 10:13
Indeno[1,2,3-cd]pyrene	16.32	Wrong Isomer	ulmanm	12/22/12 10:13
Dibenz(a,h)anthracene	16.36	Wrong Isomer	ulmanm	12/22/12 10:13
Benzo[g,h,i]perylene	16.80	Wrong Isomer	ulmanm	12/22/12 10:13

Lab Sample ID: STD2 240-69820/5 IC Client Sample ID:

Date Analyzed: 12/21/12 14:55 Lab File ID: 21221005.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.72	Poor Chromatography	ulmanm	12/22/12 10:17
N-Nitrosodimethylamine	3.20	Poor Chromatography	ulmanm	12/22/12 10:17
Pyridine	3.32	Poor Chromatography	ulmanm	12/22/12 10:17
Ethyl methacrylate	3.82	Poor Chromatography	ulmanm	12/22/12 10:17
Malononitrile	4.49	Poor Chromatography	ulmanm	12/22/12 10:17
Indeno[1,2,3-cd]pyrene	16.32	Poor Chromatography	ulmanm	12/22/12 10:17
Dibenz(a,h)anthracene	16.36	Poor Chromatography	ulmanm	12/22/12 10:17
Benzo[g,h,i]perylene	16.80	Poor Chromatography	ulmanm	12/22/12 10:17

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A4HP9 Analysis Batch Number: 69820

Lab Sample ID: STD1 240-69820/6 IC Client Sample ID:

Date Analyzed: 12/21/12 15:20 Lab File ID: 21221006.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	16.34	Poor Chromatography	ulmanm	12/22/12 10:18
Dibenz(a,h)anthracene	16.35	Poor Chromatography	ulmanm	12/22/12 10:18
Benzo[g,h,i]perylene	16.80	Poor Chromatography	ulmanm	12/22/12 10:18

Lab Sample ID: STD9 240-69820/7 IC Client Sample ID:

Date Analyzed: 12/21/12 15:44 Lab File ID: 21221007.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.73	Poor Chromatography	ulmanm	12/22/12 10:21
N-Nitrosodimethylamine	3.20	Poor Chromatography	ulmanm	12/22/12 10:21
Pyridine	3.24	Poor Chromatography	ulmanm	12/22/12 10:21
Ethyl methacrylate	3.82	Poor Chromatography	ulmanm	12/22/12 10:21
3-Chloropropionitrile	4.16	Poor Chromatography	ulmanm	12/22/12 10:21
2,4-Toluene diamine	8.10	Poor Chromatography	ulmanm	12/22/12 10:21

Lab Sample ID: STD8 240-69820/8 IC Client Sample ID:

Date Analyzed: 12/21/12 16:09 Lab File ID: 21221008.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.72	Poor Chromatography	ulmanm	12/22/12 10:23
N-Nitrosodimethylamine	3.19	Poor Chromatography	ulmanm	12/22/12 10:23
Pyridine	3.25	Poor Chromatography	ulmanm	12/22/12 10:23
Ethyl methacrylate	3.82	Poor Chromatography	ulmanm	12/22/12 10:23
3-Chloropropionitrile	4.17	Poor Chromatography	ulmanm	12/22/12 10:23

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A4HP9 Analysis Batch Number: 69820

Lab Sample ID: STD7 240-69820/9 IC Client Sample ID:

Date Analyzed: 12/21/12 16:34 Lab File ID: 21221009.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.73	Poor Chromatography	ulmanm	12/22/12 10:26
N-Nitrosodimethylamine	3.20	Poor Chromatography	ulmanm	12/22/12 10:26
Pyridine	3.24	Poor Chromatography	ulmanm	12/22/12 10:26
Ethyl methacrylate	3.82	Poor Chromatography	ulmanm	12/22/12 10:26
3-Chloropropionitrile	4.16	Poor Chromatography	ulmanm	12/22/12 10:26
Benzoic acid	6.87	Poor Chromatography	ulmanm	12/22/12 10:26

Lab Sample ID: STD6 240-69820/10 ICIS Client Sample ID:

Date Analyzed: 12/21/12 16:59 Lab File ID: 21221010.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.73	Poor Chromatography	ulmanm	12/22/12 10:33
N-Nitrosodimethylamine	3.20	Poor Chromatography	ulmanm	12/22/12 10:33
Pyridine	3.25	Poor Chromatography	ulmanm	12/22/12 10:33
Ethyl methacrylate	3.82	Poor Chromatography	ulmanm	12/22/12 10:33
3-Chloropropionitrile	4.16	Poor Chromatography	ulmanm	12/22/12 10:33

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A4HP9 Analysis Batch Number: 69908

Lab Sample ID: ICV 240-69908/3 Client Sample ID:

Date Analyzed: 12/22/12 12:30 Lab File ID: 21222003.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
N-Nitrosodimethylamine	3.17	Poor Chromatography	ulmanm	12/22/12 13:10

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A4HP9 Analysis Batch Number: 70566

Lab Sample ID: CCV 240-70566/2 Client Sample ID:

Date Analyzed: 12/29/12 11:25 Lab File ID: 21229002.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
N-Nitrosodimethylamine	2.92	Poor Chromatography	ulmanm	12/29/12 12:02
Pyridine	2.97	Poor Chromatography	ulmanm	12/29/12 12:02
Benzoic acid	6.79	Poor Chromatography	ulmanm	12/29/12 12:02

Lab Sample ID: MRL 240-70566/3 Client Sample ID:

Date Analyzed: 12/29/12 11:50 Lab File ID: 21229003.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pyridine	2.98	Poor Chromatography	ulmanm	12/29/12 12:28

Lab Sample ID: LCS 240-70003/23-A Client Sample ID:

Date Analyzed: 12/29/12 12:39 Lab File ID: 21229005.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pyridine	2.95	Poor Chromatography	ulmanm	12/31/12 08:49

Lab Sample ID: MRL 240-70566/13 Client Sample ID:

Date Analyzed: 12/29/12 16:45 Lab File ID: 21229013.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pyridine	2.98	Poor Chromatography	ulmanm	12/31/12 09:33

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A4HP9 Analysis Batch Number: 70566

Lab Sample ID: mdll1 LODV Client Sample ID:

Date Analyzed: 12/29/12 17:09 Lab File ID: 21229014.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	16.06	Poor Chromatography	ulmanm	12/31/12 09:45
Dibenz(a,h)anthracene	16.10	Poor Chromatography	ulmanm	12/31/12 09:45
Benzo[g,h,i]perylene	16.51	Poor Chromatography	ulmanm	12/31/12 09:45

Lab Sample ID: mdll2 LODV Client Sample ID:

Date Analyzed: 12/29/12 17:34 Lab File ID: 21229015.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
N-Nitrosodimethylamine	2.92	Poor Chromatography	ulmanm	12/31/12 09:50
Pyridine	3.02	Poor Chromatography	ulmanm	12/31/12 09:50
2,4,6-Tribromophenol (Surr)	9.19	Poor Chromatography	ulmanm	12/31/12 09:50

GASOLINE RANGE ORGANICS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: YPID Analysis Batch Number: 69738

Lab Sample ID: CCV 240-69738/50 Client Sample ID:

Date Analyzed: 12/22/12 17:35 Lab File ID: YF122150.D GC Column: RTX-VRX ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trifluorotoluene (Surr)	9.76	Baseline Event	bosworthh	12/24/12 06:47

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A2HP9 Analysis Batch Number: 67554

Lab Sample ID: PEM 240-67554/4 Client Sample ID:

Date Analyzed: 12/06/12 10:20 Lab File ID: P9120604.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4,4'-DDD	9.19	Baseline Event	vandorenc	12/07/12 08:52
Endrin aldehyde	10.07	Baseline Event	vandorenc	12/07/12 08:52

Lab Sample ID: STD 240-67554/5 IC Client Sample ID:

Date Analyzed: 12/06/12 10:48 Lab File ID: P9120605.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Endosulfan II	10.73	Baseline Event	vandorenc	12/07/12 07:08

Lab Sample ID: STD 240-67554/8 IC Client Sample ID:

Date Analyzed: 12/06/12 12:12 Lab File ID: P9120608.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
gamma-Chlordane	8.93	Baseline Event	vandorenc	12/07/12 07:26

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

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

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

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A2HP9 Analysis Batch Number: 67554

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

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

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

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

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

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

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

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

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

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A2HP9 Analysis Batch Number: 67554

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

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

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

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

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

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

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

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

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

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A2HP9 Analysis Batch Number: 67554

Lab Sample ID: STD 240-67554/20 IC Client Sample ID:

Date Analyzed: 12/06/12 17:39 Lab File ID: P9120620.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlordane (technical) Peak 1	5.08	Baseline Event	vandorenc	12/07/12 08:34

Lab Sample ID: STD 240-67554/20 IC Client Sample ID:

Date Analyzed: 12/06/12 17:39 Lab File ID: P9120620.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlordane (technical) Peak 1	6.01	Baseline Event	vandorenc	12/07/12 08:34
Chlordane (technical) Peak 2	7.51	Baseline Event	vandorenc	12/07/12 08:44

Lab Sample ID: STD 240-67554/21 IC Client Sample ID:

Date Analyzed: 12/06/12 18:08 Lab File ID: P9120621.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlordane (technical) Peak 1	5.08	Baseline Event	vandorenc	12/07/12 08:34
Chlordane (technical) Peak 2	5.93	Baseline Event	vandorenc	12/07/12 08:34
Chlordane (technical) Peak 3	7.17	Baseline Event	vandorenc	12/07/12 08:34
Chlordane (technical) Peak 4	7.52	Baseline Event	vandorenc	12/07/12 08:34

Lab Sample ID: STD 240-67554/21 IC Client Sample ID:

Date Analyzed: 12/06/12 18:08 Lab File ID: P9120621.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlordane (technical) Peak 1	6.01	Baseline Event	vandorenc	12/07/12 08:37
Chlordane (technical) Peak 2	7.51	Baseline Event	vandorenc	12/07/12 08:43
Chlordane (technical) Peak 3	8.93	Baseline Event	vandorenc	12/07/12 08:37
Chlordane (technical) Peak 4	9.25	Baseline Event	vandorenc	12/07/12 08:37

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A2HP9 Analysis Batch Number: 67554

Lab Sample ID: STD 240-67554/22 IC Client Sample ID:

Date Analyzed: 12/06/12 18:34 Lab File ID: P9120622.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlordane (technical) Peak 1	5.07	Baseline Event	vandorenc	12/07/12 08:42
Chlordane (technical) Peak 2	5.93	Baseline Event	vandorenc	12/07/12 08:42
Chlordane (technical) Peak 3	7.17	Baseline Event	vandorenc	12/07/12 08:42
Chlordane (technical) Peak 4	7.52	Baseline Event	vandorenc	12/07/12 08:42

Lab Sample ID: STD 240-67554/22 IC Client Sample ID:

Date Analyzed: 12/06/12 18:34 Lab File ID: P9120622.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlordane (technical) Peak 1	6.01	Baseline Event	vandorenc	12/07/12 08:42
Chlordane (technical) Peak 2	7.51	Baseline Event	vandorenc	12/07/12 08:42
Chlordane (technical) Peak 3	8.93	Baseline Event	vandorenc	12/07/12 08:42
Chlordane (technical) Peak 4	9.24	Baseline Event	vandorenc	12/07/12 08:42

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A2HP9 Analysis Batch Number: 69152

Lab Sample ID: PEM 240-69152/4 Client Sample ID:

Date Analyzed: 12/18/12 10:00 Lab File ID: P9121804.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Endrin aldehyde	10.08	Baseline Event	vandorenc	12/19/12 12:32

Lab Sample ID: CCV 240-69152/5 Client Sample ID:

Date Analyzed: 12/18/12 10:28 Lab File ID: P9121805.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	9.51	Baseline Event	vandorenc	12/18/12 11:15
Toxaphene Peak 2	9.95	Baseline Event	vandorenc	12/18/12 11:15
Toxaphene Peak 3	10.02	Baseline Event	vandorenc	12/18/12 11:15
Toxaphene Peak 4	10.60	Baseline Event	vandorenc	12/18/12 11:15
Toxaphene Peak 5	11.17	Baseline Event	vandorenc	12/18/12 11:15

Lab Sample ID: CCV 240-69152/5 Client Sample ID:

Date Analyzed: 12/18/12 10:28 Lab File ID: P9121805.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	10.89	Baseline Event	vandorenc	12/18/12 11:15
Toxaphene Peak 2	11.44	Baseline Event	vandorenc	12/18/12 11:15
Toxaphene Peak 3	11.84	Baseline Event	vandorenc	12/18/12 11:15
Toxaphene Peak 4	12.07	Baseline Event	vandorenc	12/18/12 11:15
Toxaphene Peak 5	12.46	Baseline Event	vandorenc	12/18/12 11:15

Lab Sample ID: 240-18735-4 Client Sample ID: 070-0057-0001-SOURCE WATER

Date Analyzed: 12/18/12 13:42 Lab File ID: P9121812.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	3.50	Poor Chromatography	vandorenc	12/19/12 12:40

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A2HP9 Analysis Batch Number: 69152

Lab Sample ID: MB 240-68554/4-A Client Sample ID:

Date Analyzed: 12/18/12 14:09 Lab File ID: P9121813.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
DCB Decachlorobiphenyl	14.25	Baseline Event	vandorenc	12/19/12 12:41

Lab Sample ID: CCV 240-69152/19 Client Sample ID:

Date Analyzed: 12/18/12 16:55 Lab File ID: P9121819.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	10.89	Baseline Event	vandorenc	12/19/12 12:45
Toxaphene Peak 2	11.44	Baseline Event	vandorenc	12/19/12 12:45
Toxaphene Peak 3	11.84	Baseline Event	vandorenc	12/19/12 12:45
Toxaphene Peak 4	12.07	Baseline Event	vandorenc	12/19/12 12:45
Toxaphene Peak 5	12.46	Baseline Event	vandorenc	12/19/12 12:45

Lab Sample ID: CCV 240-69152/21 Client Sample ID:

Date Analyzed: 12/18/12 17:49 Lab File ID: P9121821.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4,4'-DDD	10.73	Baseline Event	vandorenc	12/19/12 12:46
Endosulfan II	10.73	Baseline Event	vandorenc	12/19/12 12:46

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A2HP9 Analysis Batch Number: 69893

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

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

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

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

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

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

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A2HP9 Analysis Batch Number: 71174

Lab Sample ID: PEM 240-71174/4 Client Sample ID:

Date Analyzed: 01/06/13 17:20 Lab File ID: P9010604.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4,4'-DDE	7.90	Baseline Event	vandorenc	01/07/13 06:30

Lab Sample ID: PEM 240-71174/4 Client Sample ID:

Date Analyzed: 01/06/13 17:20 Lab File ID: P9010604.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Endrin aldehyde	11.28	Baseline Event	vandorenc	01/07/13 06:30
Endrin ketone	12.46	Baseline Event	vandorenc	01/07/13 06:30

Lab Sample ID: CCV 240-71174/5 Client Sample ID:

Date Analyzed: 01/06/13 17:48 Lab File ID: P9010605.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	10.88	Split Peak	vandorenc	01/07/13 06:32
Toxaphene Peak 2	11.43	Split Peak	vandorenc	01/07/13 06:32
Toxaphene Peak 3	11.83	Split Peak	vandorenc	01/07/13 06:32
Toxaphene Peak 4	12.06	Split Peak	vandorenc	01/07/13 06:32
Toxaphene Peak 5	12.45	Split Peak	vandorenc	01/07/13 06:32

Lab Sample ID: CCV 240-71174/6 CCVRT Client Sample ID:

Date Analyzed: 01/06/13 18:15 Lab File ID: P9010606.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methoxychlor	12.28	Baseline Event	vandorenc	01/07/13 06:33

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A2HP9 Analysis Batch Number: 71174

Lab Sample ID: 240-18735-5 Client Sample ID: 070-0058-0001-IDW

Date Analyzed: 01/06/13 19:32 Lab File ID: P9010609.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
DCB Decachlorobiphenyl	12.80	Poor Chromatography	vandorenc	01/07/13 06:35

Lab Sample ID: 240-18735-5 Client Sample ID: 070-0058-0001-IDW

Date Analyzed: 01/06/13 19:32 Lab File ID: P9010609.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
DCB Decachlorobiphenyl	14.24	Poor Chromatography	vandorenc	01/07/13 06:35

Lab Sample ID: CCV 240-71174/19 Client Sample ID:

Date Analyzed: 01/06/13 23:57 Lab File ID: P9010619.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	9.49	Baseline Event	vandorenc	01/07/13 06:56
Toxaphene Peak 2	9.95	Baseline Event	vandorenc	01/07/13 06:56
Toxaphene Peak 3	10.01	Baseline Event	vandorenc	01/07/13 06:56
Toxaphene Peak 4	10.59	Baseline Event	vandorenc	01/07/13 06:56
Toxaphene Peak 5	11.16	Baseline Event	vandorenc	01/07/13 06:56

Lab Sample ID: CCV 240-71174/20 Client Sample ID:

Date Analyzed: 01/07/13 00:24 Lab File ID: P9010620.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4,4'-DDD	9.18	Baseline Event	vandorenc	01/07/13 07:02

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A2HP13 Analysis Batch Number: 62068

Lab Sample ID: STD005 240-62068/3 IC Client Sample ID:

Date Analyzed: 10/21/12 16:53 Lab File ID: P1300003.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1232 Peak 1	1.59	Baseline Event	hassl	10/22/12 09:01
PCB-1232 Peak 2	1.90	Baseline Event	hassl	10/22/12 09:01
PCB-1232 Peak 3	2.32	Baseline Event	hassl	10/22/12 09:01
PCB-1232 Peak 4	2.46	Baseline Event	hassl	10/22/12 09:01
PCB-1232 Peak 5	2.87	Baseline Event	hassl	10/22/12 09:01

Lab Sample ID: STD01 240-62068/4 IC Client Sample ID:

Date Analyzed: 10/21/12 17:08 Lab File ID: P1300004.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1232 Peak 1	1.59	Split Peak	hassl	10/22/12 09:01
PCB-1232 Peak 2	1.90	Split Peak	hassl	10/22/12 09:01
PCB-1232 Peak 3	2.32	Split Peak	hassl	10/22/12 09:01
PCB-1232 Peak 4	2.46	Split Peak	hassl	10/22/12 09:01
PCB-1232 Peak 5	2.87	Split Peak	hassl	10/22/12 09:01

Lab Sample ID: STD02 240-62068/5 IC Client Sample ID:

Date Analyzed: 10/21/12 17:23 Lab File ID: P1300005.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1232 Peak 1	1.59	Split Peak	hassl	10/22/12 09:01
PCB-1232 Peak 2	1.90	Split Peak	hassl	10/22/12 09:01
PCB-1232 Peak 3	2.32	Split Peak	hassl	10/22/12 09:01
PCB-1232 Peak 4	2.45	Split Peak	hassl	10/22/12 09:01
PCB-1232 Peak 5	2.87	Split Peak	hassl	10/22/12 09:01

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A2HP13 Analysis Batch Number: 62068

Lab Sample ID: STD05 240-62068/6 IC Client Sample ID:

Date Analyzed: 10/21/12 17:38 Lab File ID: P1300006.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1232 Peak 1	1.59	Split Peak	hassl	10/22/12 09:01
PCB-1232 Peak 2	1.90	Split Peak	hassl	10/22/12 09:01
PCB-1232 Peak 3	2.32	Split Peak	hassl	10/22/12 09:01
PCB-1232 Peak 4	2.45	Split Peak	hassl	10/22/12 09:01
PCB-1232 Peak 5	2.87	Split Peak	hassl	10/22/12 09:01

Lab Sample ID: STD2 240-62068/8 IC Client Sample ID:

Date Analyzed: 10/21/12 18:07 Lab File ID: P1300008.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1232 Peak 1	1.59	Split Peak	hassl	10/22/12 09:02
PCB-1232 Peak 2	1.90	Split Peak	hassl	10/22/12 09:02
PCB-1232 Peak 3	2.32	Split Peak	hassl	10/22/12 09:02
PCB-1232 Peak 4	2.45	Split Peak	hassl	10/22/12 09:02
PCB-1232 Peak 5	2.87	Split Peak	hassl	10/22/12 09:02

Lab Sample ID: STD01 240-62068/10 IC Client Sample ID:

Date Analyzed: 10/21/12 18:37 Lab File ID: P1300010.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1242 Peak 1	1.59	Split Peak	hassl	10/22/12 09:02
PCB-1242 Peak 2	1.90	Split Peak	hassl	10/22/12 09:02
PCB-1242 Peak 3	2.32	Split Peak	hassl	10/22/12 09:02
PCB-1242 Peak 4	2.45	Split Peak	hassl	10/22/12 09:02
PCB-1242 Peak 5	2.87	Split Peak	hassl	10/22/12 09:02

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A2HP13 Analysis Batch Number: 62068

Lab Sample ID: STD02 240-62068/11 IC Client Sample ID:

Date Analyzed: 10/21/12 18:52 Lab File ID: P1300011.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1242 Peak 1	1.59	Split Peak	hassl	10/22/12 09:03
PCB-1242 Peak 2	1.90	Split Peak	hassl	10/22/12 09:03
PCB-1242 Peak 3	2.32	Split Peak	hassl	10/22/12 09:03
PCB-1242 Peak 4	2.45	Split Peak	hassl	10/22/12 09:03
PCB-1242 Peak 5	2.87	Split Peak	hassl	10/22/12 09:03

Lab Sample ID: STD05 240-62068/12 IC Client Sample ID:

Date Analyzed: 10/21/12 19:07 Lab File ID: P1300012.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1242 Peak 1	1.59	Split Peak	hassl	10/22/12 09:03
PCB-1242 Peak 2	1.90	Split Peak	hassl	10/22/12 09:03
PCB-1242 Peak 3	2.32	Split Peak	hassl	10/22/12 09:03
PCB-1242 Peak 4	2.45	Split Peak	hassl	10/22/12 09:03
PCB-1242 Peak 5	2.87	Split Peak	hassl	10/22/12 09:03

Lab Sample ID: STD1 240-62068/13 IC Client Sample ID:

Date Analyzed: 10/21/12 19:22 Lab File ID: P1300013.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1242 Peak 1	1.59	Split Peak	hassl	10/22/12 09:03
PCB-1242 Peak 2	1.90	Split Peak	hassl	10/22/12 09:03
PCB-1242 Peak 3	2.32	Split Peak	hassl	10/22/12 09:03
PCB-1242 Peak 4	2.45	Split Peak	hassl	10/22/12 09:03
PCB-1242 Peak 5	2.87	Split Peak	hassl	10/22/12 09:03

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A2HP13 Analysis Batch Number: 62068

Lab Sample ID: STD2 240-62068/14 IC Client Sample ID:

Date Analyzed: 10/21/12 19:37 Lab File ID: P1300014.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1242 Peak 1	1.59	Split Peak	hassl	10/22/12 09:02
PCB-1242 Peak 2	1.90	Split Peak	hassl	10/22/12 09:02
PCB-1242 Peak 3	2.32	Split Peak	hassl	10/22/12 09:02
PCB-1242 Peak 4	2.45	Split Peak	hassl	10/22/12 09:02
PCB-1242 Peak 5	2.87	Split Peak	hassl	10/22/12 09:02

Lab Sample ID: STD005 240-62068/21 IC Client Sample ID:

Date Analyzed: 10/21/12 21:21 Lab File ID: P1300021.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1221 Peak 1	1.44	Split Peak	hassl	10/22/12 09:04
PCB-1221 Peak 2	1.55	Split Peak	hassl	10/22/12 09:04
PCB-1221 Peak 3	1.59	Unspecified	hassl	10/22/12 09:05

Lab Sample ID: STD01 240-62068/22 IC Client Sample ID:

Date Analyzed: 10/21/12 21:36 Lab File ID: P1300022.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1221 Peak 1	1.44	Split Peak	hassl	10/22/12 09:05
PCB-1221 Peak 2	1.55	Split Peak	hassl	10/22/12 09:05
PCB-1221 Peak 3	1.59	Split Peak	hassl	10/22/12 09:05

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A2HP13 Analysis Batch Number: 62068

Lab Sample ID: STD01 240-62068/22 IC Client Sample ID:

Date Analyzed: 10/21/12 21:36 Lab File ID: P1300022.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	4.41	Split Peak	hassl	10/22/12 09:05
PCB-1254 Peak 2	4.92	Split Peak	hassl	10/22/12 09:05
PCB-1254 Peak 3	5.18	Split Peak	hassl	10/22/12 09:05
PCB-1254 Peak 4	5.56	Split Peak	hassl	10/22/12 09:05
PCB-1254 Peak 5	5.78	Split Peak	hassl	10/22/12 09:05

Lab Sample ID: STD02 240-62068/23 IC Client Sample ID:

Date Analyzed: 10/21/12 21:51 Lab File ID: P1300023.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1221 Peak 1	1.44	Split Peak	hassl	10/22/12 09:06
PCB-1221 Peak 2	1.56	Split Peak	hassl	10/22/12 09:06
PCB-1221 Peak 3	1.59	Split Peak	hassl	10/22/12 09:06

Lab Sample ID: STD02 240-62068/23 IC Client Sample ID:

Date Analyzed: 10/21/12 21:51 Lab File ID: P1300023.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	4.41	Split Peak	hassl	10/22/12 09:05
PCB-1254 Peak 2	4.92	Split Peak	hassl	10/22/12 09:05
PCB-1254 Peak 3	5.18	Split Peak	hassl	10/22/12 09:05
PCB-1254 Peak 4	5.56	Split Peak	hassl	10/22/12 09:05
PCB-1254 Peak 5	5.78	Split Peak	hassl	10/22/12 09:05

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A2HP13 Analysis Batch Number: 62068

Lab Sample ID: STD05 240-62068/24 IC Client Sample ID:

Date Analyzed: 10/21/12 22:06 Lab File ID: P1300024.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1221 Peak 1	1.44	Split Peak	hassl	10/22/12 09:07
PCB-1221 Peak 2	1.56	Split Peak	hassl	10/22/12 09:07
PCB-1221 Peak 3	1.59	Split Peak	hassl	10/22/12 09:07

Lab Sample ID: STD1 240-62068/25 IC Client Sample ID:

Date Analyzed: 10/21/12 22:21 Lab File ID: P1300025.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1221 Peak 1	1.44	Split Peak	hassl	10/22/12 09:07
PCB-1221 Peak 2	1.56	Split Peak	hassl	10/22/12 09:07
PCB-1221 Peak 3	1.59	Split Peak	hassl	10/22/12 09:07

Lab Sample ID: STD2 240-62068/26 IC Client Sample ID:

Date Analyzed: 10/21/12 22:36 Lab File ID: P1300026.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1221 Peak 1	1.44	Split Peak	hassl	10/22/12 09:08
PCB-1221 Peak 2	1.56	Split Peak	hassl	10/22/12 09:08
PCB-1221 Peak 3	1.59	Split Peak	hassl	10/22/12 09:08

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A2HP13 Analysis Batch Number: 62068

Lab Sample ID: STD005 240-62068/27 IC Client Sample ID:

Date Analyzed: 10/21/12 22:51 Lab File ID: P1300027.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.59	Split Peak	hassl	10/22/12 09:08
PCB-1016 Peak 2	1.90	Split Peak	hassl	10/22/12 09:08
PCB-1016 Peak 3	2.32	Split Peak	hassl	10/22/12 09:08
PCB-1016 Peak 4	2.45	Split Peak	hassl	10/22/12 09:08
PCB-1016 Peak 5	2.87	Split Peak	hassl	10/22/12 09:08

Lab Sample ID: STD01 240-62068/28 IC Client Sample ID:

Date Analyzed: 10/21/12 23:06 Lab File ID: P1300028.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.59	Split Peak	hassl	10/22/12 09:08
PCB-1016 Peak 2	1.90	Split Peak	hassl	10/22/12 09:08
PCB-1016 Peak 3	2.32	Split Peak	hassl	10/22/12 09:08
PCB-1016 Peak 4	2.45	Split Peak	hassl	10/22/12 09:08
PCB-1016 Peak 5	2.87	Split Peak	hassl	10/22/12 09:08

Lab Sample ID: STD02 240-62068/29 IC Client Sample ID:

Date Analyzed: 10/21/12 23:21 Lab File ID: P1300029.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.59	Split Peak	hassl	10/22/12 09:09
PCB-1016 Peak 2	1.90	Split Peak	hassl	10/22/12 09:09
PCB-1016 Peak 3	2.32	Split Peak	hassl	10/22/12 09:09
PCB-1016 Peak 4	2.45	Split Peak	hassl	10/22/12 09:09
PCB-1016 Peak 5	2.87	Split Peak	hassl	10/22/12 09:09

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A2HP13 Analysis Batch Number: 62068

Lab Sample ID: STD05 240-62068/30 ICRT Client Sample ID:

Date Analyzed: 10/21/12 23:36 Lab File ID: P1300030.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.59	Split Peak	hassl	10/22/12 09:09
PCB-1016 Peak 2	1.90	Split Peak	hassl	10/22/12 09:09
PCB-1016 Peak 3	2.32	Split Peak	hassl	10/22/12 09:09
PCB-1016 Peak 4	2.45	Split Peak	hassl	10/22/12 09:09
PCB-1016 Peak 5	2.87	Split Peak	hassl	10/22/12 09:09

Lab Sample ID: STD1 240-62068/31 IC Client Sample ID:

Date Analyzed: 10/21/12 23:50 Lab File ID: P1300031.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.59	Split Peak	hassl	10/22/12 09:09
PCB-1016 Peak 2	1.90	Split Peak	hassl	10/22/12 09:09
PCB-1016 Peak 3	2.32	Split Peak	hassl	10/22/12 09:09
PCB-1016 Peak 4	2.45	Split Peak	hassl	10/22/12 09:09
PCB-1016 Peak 5	2.87	Split Peak	hassl	10/22/12 09:09

Lab Sample ID: STD2 240-62068/32 IC Client Sample ID:

Date Analyzed: 10/22/12 00:05 Lab File ID: P1300032.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.59	Split Peak	hassl	10/22/12 09:09
PCB-1016 Peak 2	1.90	Split Peak	hassl	10/22/12 09:09
PCB-1016 Peak 3	2.32	Split Peak	hassl	10/22/12 09:09
PCB-1016 Peak 4	2.45	Split Peak	hassl	10/22/12 09:09
PCB-1016 Peak 5	2.87	Split Peak	hassl	10/22/12 09:09

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A2HP13 Analysis Batch Number: 62068

Lab Sample ID: ICV 240-62068/45 Client Sample ID:

Date Analyzed: 10/22/12 03:19 Lab File ID: P1300045.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1221 Peak 1	1.44	Split Peak	hassl	10/22/12 09:10
PCB-1221 Peak 2	1.56	Split Peak	hassl	10/22/12 09:10
PCB-1221 Peak 3	1.59	Split Peak	hassl	10/22/12 09:10

Lab Sample ID: ICV 240-62068/46 Client Sample ID:

Date Analyzed: 10/22/12 03:34 Lab File ID: P1300046.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1232 Peak 1	1.59	Split Peak	hassl	10/22/12 09:16
PCB-1232 Peak 2	1.90	Split Peak	hassl	10/22/12 09:16
PCB-1232 Peak 3	2.32	Split Peak	hassl	10/22/12 09:16
PCB-1232 Peak 4	2.45	Split Peak	hassl	10/22/12 09:16
PCB-1232 Peak 5	2.87	Split Peak	hassl	10/22/12 09:16

Lab Sample ID: ICV 240-62068/47 Client Sample ID:

Date Analyzed: 10/22/12 03:49 Lab File ID: P1300047.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1242 Peak 1	1.59	Split Peak	hassl	10/22/12 09:15
PCB-1242 Peak 2	1.90	Split Peak	hassl	10/22/12 09:15
PCB-1242 Peak 3	2.32	Split Peak	hassl	10/22/12 09:15
PCB-1242 Peak 4	2.45	Split Peak	hassl	10/22/12 09:15
PCB-1242 Peak 5	2.87	Split Peak	hassl	10/22/12 09:15

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A2HP13 Analysis Batch Number: 62068

Lab Sample ID: ICV 240-62068/50 Client Sample ID:

Date Analyzed: 10/22/12 04:34 Lab File ID: P1300050.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.59	Split Peak	hassl	10/22/12 09:15
PCB-1016 Peak 2	1.90	Split Peak	hassl	10/22/12 09:15
PCB-1016 Peak 3	2.33	Split Peak	hassl	10/22/12 09:15
PCB-1016 Peak 4	2.45	Split Peak	hassl	10/22/12 09:15
PCB-1016 Peak 5	2.87	Split Peak	hassl	10/22/12 09:15

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A2HP1 Analysis Batch Number: 58097

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

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

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

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

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

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

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

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

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

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A2HP1 Analysis Batch Number: 67147

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

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

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

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

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

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

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

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

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

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

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

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

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A2HP1 Analysis Batch Number: 67147

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

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

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

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A2HP1 Analysis Batch Number: 70037

Lab Sample ID: MRL 240-70037/7 Client Sample ID:

Date Analyzed: 12/24/12 17:16 Lab File ID: P1000007.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dinoseb	11.37	Baseline Event	bolgrind	12/26/12 12:30

Lab Sample ID: MRL 240-70037/32 Client Sample ID:

Date Analyzed: 12/25/12 03:04 Lab File ID: P1000032.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dinoseb	11.36	Baseline Event	bolgrind	12/26/12 12:27

HPLC/IC MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Instrument ID: PDA1 Analysis Batch Number: 7846

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

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

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

8330 Modified

HPLC/IC MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Instrument ID: LC10 Analysis Batch Number: 3377

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

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

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

HPLC/IC MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Instrument ID: LC10 Analysis Batch Number: 7620

Lab Sample ID: CCVL 320-7620/47 Client Sample ID:

Date Analyzed: 12/20/12 23:55 Lab File ID: S000048.D GC Column: Synergi C18 ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Amino-2,6-dinitrotoluene	16.27	Incomplete Integration	noonanr	12/21/12 14:23

Lab Sample ID: CCV 320-7620/73 CCVRT Client Sample ID:

Date Analyzed: 12/21/12 16:42 Lab File ID: S000073.D GC Column: Synergi C18 ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3-Nitrotoluene	26.46	Incomplete Integration	noonanr	12/26/12 08:30

Lab Sample ID: CCVL 320-7620/74 Client Sample ID:

Date Analyzed: 12/21/12 17:23 Lab File ID: S000074.D GC Column: Synergi C18 ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
RDX	7.49	Incomplete Integration	noonanr	12/26/12 08:51
1,3,5-Trinitrobenzene	9.84	Baseline	noonanr	12/26/12 08:51
1,3-Dinitrobenzene	12.51	Baseline	noonanr	12/26/12 08:51
3,5-Dinitroaniline	13.25	Baseline	noonanr	12/26/12 08:51
Tetryl	13.67	Baseline	noonanr	12/26/12 08:51
Nitrobenzene	14.23	Baseline	noonanr	12/26/12 08:51
2,4,6-Trinitrotoluene	15.76	Baseline	noonanr	12/26/12 08:51
4-Amino-2,6-dinitrotoluene	16.22	Baseline	noonanr	12/26/12 08:51
3,4-Dinitrotoluene	16.75	Baseline	noonanr	12/26/12 08:51
2-Amino-4,6-dinitrotoluene	17.28	Baseline	noonanr	12/26/12 08:51
2,6-Dinitrotoluene	18.93	Incomplete Integration	noonanr	12/26/12 08:51
2,4-Dinitrotoluene	19.54	Baseline	noonanr	12/26/12 08:51
2-Nitrotoluene	22.89	Baseline	noonanr	12/26/12 08:51
4-Nitrotoluene	24.63	Baseline	noonanr	12/26/12 08:51
3-Nitrotoluene	26.34	Baseline	noonanr	12/26/12 08:51
PETN	28.86	Incomplete Integration	noonanr	12/26/12 08:51

SAMPLE SUMMARY

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-18735-3	070-0056-0001-SOURCE WATER	Water	12/12/2012 1300	12/12/2012 1707
240-18735-4	070-0057-0001-SOURCE WATER	Water	12/12/2012 1315	12/12/2012 1707
240-18735-5	070-0058-0001-IDW	Solid	12/12/2012 1330	12/12/2012 1707
240-18735-6	070-0059-0001-IDW	Water	12/12/2012 1330	12/12/2012 1707

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-18735-3	**070-0056-0001-SOURCE WATER**					
C6-C12		39	J	100	ug/L	8015B
Total Recoverable						
Aluminum		13	J	30	ug/L	6020/DOD
Arsenic		0.49	J	1.0	ug/L	6020/DOD
Barium		39	Q	10	ug/L	6020/DOD
Calcium		66000		100	ug/L	6020/DOD
Cobalt		0.11	J Q	0.50	ug/L	6020/DOD
Copper		0.83	J Q	2.0	ug/L	6020/DOD
Iron		440		50	ug/L	6020/DOD
Magnesium		27000		100	ug/L	6020/DOD
Manganese		77		5.0	ug/L	6020/DOD
Sodium		35000		100	ug/L	6020/DOD
Zinc		18	Q	5.0	ug/L	6020/DOD
Potassium		2500		100	ug/L	6020/DOD
240-18735-4	**070-0057-0001-SOURCE WATER**					
2-Butanone (MEK)		1.2	J	10	ug/L	8260B/DoD
Acetone		2.1	J	10	ug/L	8260B/DoD
Dibromochloromethane		1.3		1.0	ug/L	8260B/DoD
Bromodichloromethane		3.6		1.0	ug/L	8260B/DoD
Toluene		0.15	J	1.0	ug/L	8260B/DoD
Chloroform		5.3		1.0	ug/L	8260B/DoD
C6-C12		36	J	100	ug/L	8015B
Total Recoverable						
Barium		0.13	J Q	10	ug/L	6020/DOD
Calcium		59	J	100	ug/L	6020/DOD
Copper		0.60	J Q	2.0	ug/L	6020/DOD
Magnesium		29	J	100	ug/L	6020/DOD
Sodium		1600		100	ug/L	6020/DOD

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-18735-5	**070-0058-0001-IDW**					
Flashpoint		>180		1.00	Degrees F	1010
Corrosivity		7.68		0.100	SU	9045C
Percent Solids		88		0.10	%	Moisture
Percent Moisture		12		0.10	%	Moisture
TCLP						
Arsenic		0.0044	J	0.50	mg/L	6010B/DOD
Barium		0.29	J	10	mg/L	6010B/DOD
Cadmium		0.0016	J	0.10	mg/L	6010B/DOD
Chromium		0.0024	J	0.50	mg/L	6010B/DOD
Lead		0.0090	J	0.50	mg/L	6010B/DOD
Selenium		0.0066	J	0.25	mg/L	6010B/DOD
240-18735-6	**070-0059-0001-IDW**					
Flashpoint		>180		1.00	Degrees F	1010
Corrosivity		8.27	H	0.100	SU	9040C
TCLP						
Chloroform		0.027	J	0.050	mg/L	8260B/DoD
2,4-D		0.00039	J	0.25	mg/L	8151/DOD
Barium		0.24	J	40	mg/L	6010B/DOD
Chromium		0.012	J	2.0	mg/L	6010B/DOD
Lead		0.015	J	2.0	mg/L	6010B/DOD

METHOD SUMMARY

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds (GC/MS)	TAL NC	SW846 8260B/DoD	
TCLP Extraction	TAL NC		SW846 1311
Purge and Trap	TAL NC		SW846 5030B
Semivolatile Organic Compounds (GC/MS)	TAL NC	SW846 8270C/DoD	
TCLP Extraction	TAL NC		SW846 1311
Liquid-Liquid Extraction (Continuous)	TAL NC		SW846 3520C
Organochlorine Pesticides (GC)	TAL NC	SW846 8081/DOD	
TCLP Extraction	TAL NC		SW846 1311
Liquid-Liquid Extraction (Continuous)	TAL NC		SW846 3520C
Herbicides (GC)	TAL NC	SW846 8151/DOD	
TCLP Extraction	TAL NC		SW846 1311
Extraction (Herbicides)	TAL NC		SW846 8151A
Metals (ICP)	TAL NC	SW846 6010B/DOD	
TCLP Extraction	TAL NC		SW846 1311
Preparation, Total Metals	TAL NC		SW846 3010A
Mercury (CVAA)	TAL NC	SW846 7470A/DOD	
TCLP Extraction	TAL NC		SW846 1311
Preparation, Mercury	TAL NC		SW846 7470A
Ignitability, Pensky-Martens Closed-Cup Method	TAL NC	SW846 1010	
Cyanide, Total and/or Amenable	TAL NC	SW846 9012A/DoD	
Cyanide, Total and/or Amenable, Distillation	TAL NC		SW846 9012A
Sulfide, Acid soluble and Insoluble (Titrimetric)	TAL NC	SW846 9034	
Sulfide, Distillation (Acid Soluble and Insoluble)	TAL NC		SW846 9030B
pH	TAL NC	SW846 9045C	
Percent Moisture	TAL NC	EPA Moisture	
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL NC	SW846 8260B/DoD	
Purge and Trap	TAL NC		SW846 5030B
Volatile Organic Compounds (GC/MS)	TAL NC	SW846 8260B/DoD	
TCLP Extraction	TAL NC		SW846 1311
Purge and Trap	TAL NC		SW846 5030B
Semivolatile Organic Compounds (GC/MS)	TAL NC	SW846 8270C/DoD	
Liquid-Liquid Extraction (Continuous)	TAL NC		SW846 3520C
Semivolatile Organic Compounds (GC/MS)	TAL NC	SW846 8270C/DoD	
TCLP Extraction	TAL NC		SW846 1311
Liquid-Liquid Extraction (Continuous)	TAL NC		SW846 3520C
Gasoline Range Organics - (GC)	TAL NC	SW846 8015B	
Purge and Trap	TAL NC		SW846 5030B
Diesel Range Organics (DRO) (GC)	TAL NC	SW846 8015B_DRO/DOD	
Liquid-Liquid Extraction (Continuous)	TAL NC		SW846 3520C
Organochlorine Pesticides (GC)	TAL NC	SW846 8081/DOD	
Liquid-Liquid Extraction (Continuous)	TAL NC		SW846 3520C

METHOD SUMMARY

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Organochlorine Pesticides (GC)	TAL NC	SW846 8081/DOD	
TCLP Extraction	TAL NC		SW846 1311
Liquid-Liquid Extraction (Continuous)	TAL NC		SW846 3520C
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL NC	SW846 8082/DOD	
Liquid-Liquid Extraction (Continuous)	TAL NC		SW846 3520C
Herbicides (GC)	TAL NC	SW846 8151/DOD	
Extraction (Herbicides)	TAL NC		SW846 8151A
Herbicides (GC)	TAL NC	SW846 8151/DOD	
TCLP Extraction	TAL NC		SW846 1311
Extraction (Herbicides)	TAL NC		SW846 8151A
Metals (ICP)	TAL NC	SW846 6010B/DOD	
TCLP Extraction	TAL NC		SW846 1311
Preparation, Total Metals	TAL NC		SW846 3010A
Mercury (CVAA)	TAL NC	SW846 7470A/DOD	
Preparation, Mercury	TAL NC		SW846 7470A
Mercury (CVAA)	TAL NC	SW846 7470A/DOD	
TCLP Extraction	TAL NC		SW846 1311
Preparation, Mercury	TAL NC		SW846 7470A
Ignitability, Pensky-Martens Closed-Cup Method	TAL NC	SW846 1010	
Cyanide, Total and/or Amenable	TAL NC	SW846 9012A/DoD	
Cyanide, Total and/or Amenable, Distillation	TAL NC		SW846 9012A
Sulfide, Acid soluble and Insoluble (Titrimetric)	TAL NC	SW846 9034	
Sulfide, Distillation (Acid Soluble and Insoluble)	TAL NC		SW846 9030B
pH	TAL NC	SW846 9040C	
Metals (ICP/MS)	TAL PIT	SW846 6020/DOD	
Preparation, Total Recoverable or Dissolved Metals	TAL PIT		SW846 3005A
Nitroguanidine (HPLC)	TAL WSC	SW846 8330 Modified	
Sample Filtration	TAL WSC		Filtration
Nitroaromatics and Nitramines (HPLC)	TAL WSC	SW846 8330B	
Solid-Phase Extraction (Explosives)	TAL WSC		SW846 8330-Prep
Nitrocellulose	TAL WSC	TAL-SAC WS-WC-0050	
Nitrocellulose Sample Preparation (Hydrolysis)	TAL WSC		MCAWW 353 (NCell-Hyd)
Nitrocellulose Sample Preparation	TAL WSC		MCAWW 353.2 (NCell)

Lab References:

TAL NC = TestAmerica Canton

TAL PIT = TestAmerica Pittsburgh

TAL WSC = TestAmerica Sacramento

METHOD SUMMARY

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Description	Lab Location	Method	Preparation Method

Method References:

EPA = US Environmental Protection Agency

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

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

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

METHOD / ANALYST SUMMARY

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Method	Analyst	Analyst ID
SW846 8260B/DoD	Quayle, Rick	RQ
SW846 8270C/DoD	Gruber, John	JG
SW846 8270C/DoD	Ulman, Mark	MU
SW846 8015B	Bosworth, Heather M	HMB
SW846 8015B_DRO/DOD	Bolgrin, Deborah	DB
SW846 8081/DOD	Van Doren, Carolyn	CV
SW846 8082/DOD	Hass, Lori	LH
SW846 8151/DOD	Bolgrin, Deborah	DB
SW846 6010B/DOD	Toth, Roger	RT
SW846 6020/DOD	Reinheimer, Bill	BR
SW846 7470A/DOD	Heakin, David	DH
SW846 1010	Harshman, Tom	TH
SW846 9012A/DoD	Martin, Aaron	AM
SW846 9012A/DoD	Nicholas, Courtney	CN
SW846 9034	Woodward, Bruce	BW
SW846 9040C	Grossman, Lucas	LG
SW846 9045C	Grossman, Lucas	LG
EPA Moisture	Harshman, Tom	TH
TAL-SAC WS-WC-0050	Baynes, Jason	JB
SW846 8330 Modified	Noonan, Robyn	RN
SW846 8330B	Noonan, Robyn	RN

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Client Sample ID: **070-0056-0001-SOURCE WATER**

Lab Sample ID: 240-18735-3 Date Sampled: 12/12/2012 1300
Client Matrix: Water Date Received: 12/12/2012 1707

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

Analysis Method:	8260B/DoD	Analysis Batch:	240-69591	Instrument ID:	A3UX10
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXX1592.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/20/2012 1404			Final Weight/Volume:	5 mL
Prep Date:	12/20/2012 1404				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	95		85 - 120
1,2-Dichloroethane-d4 (Surr)	91		70 - 120
4-Bromofluorobenzene (Surr)	88		75 - 120
Dibromofluoromethane (Surr)	101		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Client Sample ID: **070-0057-0001-SOURCE WATER**

Lab Sample ID: 240-18735-4 Date Sampled: 12/12/2012 1315
Client Matrix: Water Date Received: 12/12/2012 1707

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

Analysis Method:	8260B/DoD	Analysis Batch:	240-69591	Instrument ID:	A3UX10
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXX1593.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/20/2012 1426			Final Weight/Volume:	5 mL
Prep Date:	12/20/2012 1426				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1-Trichloroethane	0.25	U	0.22	1.0
1,1,2,2-Tetrachloroethane	0.25	U	0.18	1.0
1,1,2-Trichloroethane	0.50	U	0.27	1.0
1,1-Dichloroethane	0.25	U	0.15	1.0
1,1-Dichloroethene	0.25	U	0.19	1.0
1,2-Dichloroethane	0.25	U	0.22	1.0
1,2-Dichloroethene, Total	0.50	U	0.34	2.0
1,2-Dichloropropane	0.25	U	0.18	1.0
2-Butanone (MEK)	1.2	J	0.57	10
2-Hexanone	0.50	U	0.41	10
4-Methyl-2-pentanone (MIBK)	0.50	U	0.32	10
Acetone	2.1	J	1.1	10
Benzene	0.25	U	0.13	1.0
Bromoform	0.64	U	0.64	1.0
Bromomethane	0.50	U	0.41	1.0
Carbon disulfide	0.25	U	0.13	1.0
Carbon tetrachloride	0.25	U	0.13	1.0
Chlorobenzene	0.25	U	0.15	1.0
Chloromethane	0.50	U	0.30	1.0
cis-1,3-Dichloropropene	0.25	U	0.14	1.0
Dibromochloromethane	1.3		0.18	1.0
Bromodichloromethane	3.6		0.15	1.0
Ethylbenzene	0.25	U	0.17	1.0
Methyl tert-butyl ether	0.25	U	0.17	1.0
Methylene Chloride	0.50	U	0.33	1.0
Styrene	0.25	U	0.11	1.0
Tetrachloroethene	0.50	U	0.29	1.0
Toluene	0.15	J	0.13	1.0
trans-1,3-Dichloropropene	0.25	U	0.19	1.0
Trichloroethene	0.25	U	0.17	1.0
Vinyl chloride	0.25	U	0.22	1.0
Xylenes, Total	0.75	U	0.28	2.0
Chloroform	5.3		0.16	1.0
Bromochloromethane	0.50	U	0.29	1.0
1,2-Dibromoethane	0.25	U	0.24	1.0
Chloroethane	0.50	U	0.29	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	94		85 - 120
1,2-Dichloroethane-d4 (Surr)	92		70 - 120
4-Bromofluorobenzene (Surr)	89		75 - 120
Dibromofluoromethane (Surr)	101		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Client Sample ID: **070-0058-0001-IDW**

Lab Sample ID: 240-18735-5 Date Sampled: 12/12/2012 1330
Client Matrix: Solid Date Received: 12/12/2012 1707

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

Analysis Method:	8260B/DoD	Analysis Batch:	240-70888	Instrument ID:	A3UX10
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXX1988.D
Dilution:	1.0	Leach Batch:	240-69292	Initial Weight/Volume:	0.2 mL
Analysis Date:	01/02/2013 1541			Final Weight/Volume:	5 mL
Prep Date:	01/02/2013 1541				
Leach Date:	12/18/2012 1925				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	DL	LOQ
1,1-Dichloroethene		0.013	U	0.0095	0.025
1,2-Dichloroethane		0.013	U	0.011	0.025
2-Butanone (MEK)		0.025	U	0.029	0.25
Benzene		0.013	U	0.0065	0.025
Carbon tetrachloride		0.013	U	0.0065	0.025
Chlorobenzene		0.013	U	0.0075	0.025
Chloroform		0.013	U	0.0080	0.025
Tetrachloroethene		0.025	U	0.015	0.025
Trichloroethene		0.013	U	0.0085	0.025
Vinyl chloride		0.013	U	0.011	0.025

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	92		90 - 115
1,2-Dichloroethane-d4 (Surr)	98		80 - 121
4-Bromofluorobenzene (Surr)	85		70 - 124
Dibromofluoromethane (Surr)	106		84 - 128

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Client Sample ID: **070-0059-0001-IDW**

Lab Sample ID: 240-18735-6 Date Sampled: 12/12/2012 1330
Client Matrix: Water Date Received: 12/12/2012 1707

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

Analysis Method:	8260B/DoD	Analysis Batch:	240-70888	Instrument ID:	A3UX10
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXX1989.D
Dilution:	2.0	Leach Batch:	240-69292	Initial Weight/Volume:	0.2 mL
Analysis Date:	01/02/2013 1603			Final Weight/Volume:	5 mL
Prep Date:	01/02/2013 1603				
Leach Date:	12/18/2012 1925				

Analyte	Result (mg/L)	Qualifier	DL	LOQ
1,1-Dichloroethene	0.025	U	0.019	0.050
1,2-Dichloroethane	0.025	U	0.022	0.050
2-Butanone (MEK)	0.050	U	0.057	0.50
Benzene	0.025	U	0.013	0.050
Carbon tetrachloride	0.025	U	0.013	0.050
Chlorobenzene	0.025	U	0.015	0.050
Chloroform	0.027	J	0.016	0.050
Tetrachloroethene	0.050	U	0.029	0.050
Trichloroethene	0.025	U	0.017	0.050
Vinyl chloride	0.025	U	0.022	0.050

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	93		90 - 115
1,2-Dichloroethane-d4 (Surr)	96		80 - 121
4-Bromofluorobenzene (Surr)	84		70 - 124
Dibromofluoromethane (Surr)	107		84 - 128

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Client Sample ID: **070-0056-0001-SOURCE WATER**

Lab Sample ID: 240-18735-3 Date Sampled: 12/12/2012 1300
Client Matrix: Water Date Received: 12/12/2012 1707

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-68962	Instrument ID:	A4HP7
Prep Method:	3520C	Prep Batch:	240-68547	Lab File ID:	21217007.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	12/17/2012 1228			Final Weight/Volume:	2 mL
Prep Date:	12/13/2012 1121			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Acenaphthene	0.095	U	0.095	0.19
Acenaphthylene	0.095	U	0.095	0.19
Anthracene	0.095	U	0.095	0.19
Benzo[a]anthracene	0.095	U	0.095	0.19
Benzo[a]pyrene	0.095	U	0.095	0.19
Benzo[b]fluoranthene	0.095	U	0.095	0.19
Benzo[g,h,i]perylene	0.095	U	0.095	0.19
Benzoic acid	9.5	U	9.5	24
Benzo[k]fluoranthene	0.095	U	0.095	0.19
Benzyl alcohol	0.76	U	0.36	4.8
Bis(2-chloroethoxy)methane	0.76	U	0.30	0.95
Bis(2-chloroethyl)ether	0.095	U	0.095	0.95
bis (2-chloroisopropyl) ether	0.76	U	0.38	0.95
Bis(2-ethylhexyl) phthalate	0.76	U	0.76	1.9
4-Bromophenyl phenyl ether	0.76	U	0.76	1.9
Butyl benzyl phthalate	0.76	U	0.76	0.95
Carbazole	0.76	U	0.27	0.95
4-Chloroaniline	0.76	U	0.76	1.9
4-Chloro-3-methylphenol	0.76	U	0.76	1.9
2-Chloronaphthalene	0.095	U	0.095	0.95
2-Chlorophenol	0.76	U	0.28	0.95
4-Chlorophenyl phenyl ether	0.76	U	0.29	1.9
Chrysene	0.095	U	0.095	0.19
Dibenz(a,h)anthracene	0.095	U	0.095	0.19
Dibenzofuran	0.095	U	0.095	0.95
1,2-Dichlorobenzene	0.76	U	0.28	0.95
1,3-Dichlorobenzene	0.76	U	0.76	0.95
1,4-Dichlorobenzene	0.76	U	0.32	0.95
3,3'-Dichlorobenzidine	0.76	U	0.35	4.8
2,4-Dichlorophenol	0.76	U	0.76	1.9
Diethyl phthalate	0.76	U	0.57	0.95
2,4-Dimethylphenol	0.76	U	0.76	1.9
Dimethyl phthalate	0.76	U	0.28	0.95
Di-n-butyl phthalate	0.76	U	0.64	0.95
4,6-Dinitro-2-methylphenol	2.3	U	2.3	4.8
2,4-Dinitrophenol	2.3	U	2.3	4.8
2,4-Dinitrotoluene	0.76	U	0.26	4.8
2,6-Dinitrotoluene	0.76	U	0.76	4.8
Di-n-octyl phthalate	0.76	U	0.76	0.95
Fluoranthene	0.095	U	0.095	0.19
Fluorene	0.095	U	0.095	0.19
Hexachlorobenzene	0.095	U	0.095	0.19
Hexachlorobutadiene	0.76	U	0.26	0.95
Hexachlorocyclopentadiene	0.76	U	0.76	9.5
Hexachloroethane	0.76	U	0.76	0.95
Indeno[1,2,3-cd]pyrene	0.095	U	0.095	0.19

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Client Sample ID: **070-0056-0001-SOURCE WATER**

Lab Sample ID: 240-18735-3 Date Sampled: 12/12/2012 1300
Client Matrix: Water Date Received: 12/12/2012 1707

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-68962	Instrument ID:	A4HP7
Prep Method:	3520C	Prep Batch:	240-68547	Lab File ID:	21217007.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	12/17/2012 1228			Final Weight/Volume:	2 mL
Prep Date:	12/13/2012 1121			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isophorone	0.76	U	0.26	0.95
2-Methylnaphthalene	0.095	U	0.095	0.19
2-Methylphenol	0.76	U	0.76	0.95
3 & 4 Methylphenol	0.76	U	0.76	1.9
Naphthalene	0.095	U	0.095	0.19
2-Nitroaniline	0.76	U	0.76	1.9
3-Nitroaniline	0.76	U	0.27	1.9
4-Nitroaniline	0.76	U	0.76	1.9
Nitrobenzene	0.095	U	0.038	0.95
2-Nitrophenol	0.76	U	0.27	1.9
4-Nitrophenol	2.3	U	2.3	4.8
N-Nitrosodi-n-propylamine	0.76	U	0.76	0.95
N-Nitrosodiphenylamine	0.76	U	0.30	0.95
Pentachlorophenol	2.3	U	2.3	4.8
Phenanthrene	0.095	U	0.095	0.19
Phenol	0.76	U	0.57	0.95
Pyrene	0.095	U	0.095	0.19
1,2,4-Trichlorobenzene	0.76	U	0.27	0.95
2,4,5-Trichlorophenol	0.76	U	0.29	4.8
2,4,6-Trichlorophenol	0.76	U	0.76	4.8

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	70		50 - 110
2-Fluorophenol (Surr)	68		20 - 110
Nitrobenzene-d5 (Surr)	74		40 - 110
Phenol-d5 (Surr)	70		10 - 115
Terphenyl-d14 (Surr)	86		50 - 135
2,4,6-Tribromophenol (Surr)	74		40 - 125

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Client Sample ID: **070-0057-0001-SOURCE WATER**

Lab Sample ID: 240-18735-4 Date Sampled: 12/12/2012 1315
Client Matrix: Water Date Received: 12/12/2012 1707

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-68962	Instrument ID:	A4HP7
Prep Method:	3520C	Prep Batch:	240-68547	Lab File ID:	21217008.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	12/17/2012 1251			Final Weight/Volume:	2 mL
Prep Date:	12/13/2012 1121			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Acenaphthene	0.095	U	0.095	0.19
Acenaphthylene	0.095	U	0.095	0.19
Anthracene	0.095	U	0.095	0.19
Benzo[a]anthracene	0.095	U	0.095	0.19
Benzo[a]pyrene	0.095	U	0.095	0.19
Benzo[b]fluoranthene	0.095	U	0.095	0.19
Benzo[g,h,i]perylene	0.095	U	0.095	0.19
Benzoic acid	9.5	U	9.5	24
Benzo[k]fluoranthene	0.095	U	0.095	0.19
Benzyl alcohol	0.76	U	0.36	4.8
Bis(2-chloroethoxy)methane	0.76	U	0.30	0.95
Bis(2-chloroethyl)ether	0.095	U	0.095	0.95
bis (2-chloroisopropyl) ether	0.76	U	0.38	0.95
Bis(2-ethylhexyl) phthalate	0.76	U	0.76	1.9
4-Bromophenyl phenyl ether	0.76	U	0.76	1.9
Butyl benzyl phthalate	0.76	U	0.76	0.95
Carbazole	0.76	U	0.27	0.95
4-Chloroaniline	0.76	U	0.76	1.9
4-Chloro-3-methylphenol	0.76	U	0.76	1.9
2-Chloronaphthalene	0.095	U	0.095	0.95
2-Chlorophenol	0.76	U	0.28	0.95
4-Chlorophenyl phenyl ether	0.76	U	0.29	1.9
Chrysene	0.095	U	0.095	0.19
Dibenz(a,h)anthracene	0.095	U	0.095	0.19
Dibenzofuran	0.095	U	0.095	0.95
1,2-Dichlorobenzene	0.76	U	0.28	0.95
1,3-Dichlorobenzene	0.76	U	0.76	0.95
1,4-Dichlorobenzene	0.76	U	0.32	0.95
3,3'-Dichlorobenzidine	0.76	U	0.35	4.8
2,4-Dichlorophenol	0.76	U	0.76	1.9
Diethyl phthalate	0.76	U	0.57	0.95
2,4-Dimethylphenol	0.76	U	0.76	1.9
Dimethyl phthalate	0.76	U	0.28	0.95
Di-n-butyl phthalate	0.76	U	0.64	0.95
4,6-Dinitro-2-methylphenol	2.3	U	2.3	4.8
2,4-Dinitrophenol	2.3	U	2.3	4.8
2,4-Dinitrotoluene	0.76	U	0.26	4.8
2,6-Dinitrotoluene	0.76	U	0.76	4.8
Di-n-octyl phthalate	0.76	U	0.76	0.95
Fluoranthene	0.095	U	0.095	0.19
Fluorene	0.095	U	0.095	0.19
Hexachlorobenzene	0.095	U	0.095	0.19
Hexachlorobutadiene	0.76	U	0.26	0.95
Hexachlorocyclopentadiene	0.76	U	0.76	9.5
Hexachloroethane	0.76	U	0.76	0.95
Indeno[1,2,3-cd]pyrene	0.095	U	0.095	0.19

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Client Sample ID: **070-0057-0001-SOURCE WATER**

Lab Sample ID: 240-18735-4 Date Sampled: 12/12/2012 1315
Client Matrix: Water Date Received: 12/12/2012 1707

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-68962	Instrument ID:	A4HP7
Prep Method:	3520C	Prep Batch:	240-68547	Lab File ID:	21217008.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	12/17/2012 1251			Final Weight/Volume:	2 mL
Prep Date:	12/13/2012 1121			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isophorone	0.76	U	0.26	0.95
2-Methylnaphthalene	0.095	U	0.095	0.19
2-Methylphenol	0.76	U	0.76	0.95
3 & 4 Methylphenol	0.76	U	0.76	1.9
Naphthalene	0.095	U	0.095	0.19
2-Nitroaniline	0.76	U	0.76	1.9
3-Nitroaniline	0.76	U	0.27	1.9
4-Nitroaniline	0.76	U	0.76	1.9
Nitrobenzene	0.095	U	0.038	0.95
2-Nitrophenol	0.76	U	0.27	1.9
4-Nitrophenol	2.3	U	2.3	4.8
N-Nitrosodi-n-propylamine	0.76	U	0.76	0.95
N-Nitrosodiphenylamine	0.76	U	0.30	0.95
Pentachlorophenol	2.3	U	2.3	4.8
Phenanthrene	0.095	U	0.095	0.19
Phenol	0.76	U	0.57	0.95
Pyrene	0.095	U	0.095	0.19
1,2,4-Trichlorobenzene	0.76	U	0.27	0.95
2,4,5-Trichlorophenol	0.76	U	0.29	4.8
2,4,6-Trichlorophenol	0.76	U	0.76	4.8

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	75		50 - 110
2-Fluorophenol (Surr)	70		20 - 110
Nitrobenzene-d5 (Surr)	75		40 - 110
Phenol-d5 (Surr)	72		10 - 115
Terphenyl-d14 (Surr)	86		50 - 135
2,4,6-Tribromophenol (Surr)	75		40 - 125

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Client Sample ID: **070-0058-0001-IDW**

Lab Sample ID: 240-18735-5 Date Sampled: 12/12/2012 1330
Client Matrix: Solid Date Received: 12/12/2012 1707

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-70566	Instrument ID:	A4HP9
Prep Method:	3520C	Prep Batch:	240-70003	Lab File ID:	21229010.D
Dilution:	1.0	Leach Batch:	240-69294	Initial Weight/Volume:	250 mL
Analysis Date:	12/29/2012 1532			Final Weight/Volume:	2 mL
Prep Date:	12/24/2012 1026			Injection Volume:	1 uL
Leach Date:	12/18/2012 1910				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	DL	LOQ
1,4-Dichlorobenzene		0.00080	U	0.00034	0.0040
2,4,5-Trichlorophenol		0.00080	U	0.00030	0.020
2,4,6-Trichlorophenol		0.00080	U	0.00080	0.020
2,4-Dinitrotoluene		0.00080	U	0.00027	0.020
Hexachlorobenzene		0.00010	U	0.00010	0.020
Hexachlorobutadiene		0.00080	U	0.00027	0.020
Hexachloroethane		0.00080	U	0.00080	0.020
3 & 4 Methylphenol		0.00080	U	0.00075	0.040
2-Methylphenol		0.00080	U	0.00080	0.0040
Nitrobenzene		0.00010	U	0.000040	0.0040
Pentachlorophenol		0.0024	U	0.0024	0.040
Pyridine		0.00080	U	0.00035	0.020

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	61		22 - 110
2-Fluorophenol (Surr)	35		10 - 110
Nitrobenzene-d5 (Surr)	71		29 - 111
Terphenyl-d14 (Surr)	75		40 - 119
2,4,6-Tribromophenol (Surr)	74		17 - 117
Phenol-d5 (Surr)	70		10 - 110

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Client Sample ID: **070-0059-0001-IDW**

Lab Sample ID: 240-18735-6 Date Sampled: 12/12/2012 1330
Client Matrix: Water Date Received: 12/12/2012 1707

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-70566	Instrument ID:	A4HP9
Prep Method:	3520C	Prep Batch:	240-70003	Lab File ID:	21229011.D
Dilution:	1.0	Leach Batch:	240-69294	Initial Weight/Volume:	250 mL
Analysis Date:	12/29/2012 1556			Final Weight/Volume:	2 mL
Prep Date:	12/24/2012 1026			Injection Volume:	1 uL
Leach Date:	12/18/2012 1910				

Analyte	Result (mg/L)	Qualifier	DL	LOQ
1,4-Dichlorobenzene	0.00080	U	0.00034	0.0040
2,4,5-Trichlorophenol	0.00080	U	0.00030	0.020
2,4,6-Trichlorophenol	0.00080	U	0.00080	0.020
2,4-Dinitrotoluene	0.00080	U	0.00027	0.020
Hexachlorobenzene	0.00010	U	0.00010	0.020
Hexachlorobutadiene	0.00080	U	0.00027	0.020
Hexachloroethane	0.00080	U	0.00080	0.020
3 & 4 Methylphenol	0.00080	U	0.00075	0.040
2-Methylphenol	0.00080	U	0.00080	0.0040
Nitrobenzene	0.00010	U	0.000040	0.0040
Pentachlorophenol	0.0024	U	0.0024	0.040
Pyridine	0.00080	U	0.00035	0.020

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	48		22 - 110
2-Fluorophenol (Surr)	46		10 - 110
Nitrobenzene-d5 (Surr)	52		29 - 111
Terphenyl-d14 (Surr)	70		40 - 119
2,4,6-Tribromophenol (Surr)	38		17 - 117
Phenol-d5 (Surr)	67		10 - 110

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Client Sample ID: **070-0056-0001-SOURCE WATER**

Lab Sample ID: 240-18735-3 Date Sampled: 12/12/2012 1300
Client Matrix: Water Date Received: 12/12/2012 1707

8015B Gasoline Range Organics - (GC)

Analysis Method:	8015B	Analysis Batch:	240-69738	Instrument ID:	YPID
Prep Method:	5030B		N/A	Initial Weight/Volume:	5 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	12/22/2012 1618			Injection Volume:	
Prep Date:	12/22/2012 1618			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	DL	LOQ
C6-C12	39	J	25	100

Surrogate	%Rec	Qualifier	Acceptance Limits
Trifluorotoluene (Surr)	86		10 - 150

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Client Sample ID: **070-0057-0001-SOURCE WATER**

Lab Sample ID: 240-18735-4 Date Sampled: 12/12/2012 1315
Client Matrix: Water Date Received: 12/12/2012 1707

8015B Gasoline Range Organics - (GC)

Analysis Method:	8015B	Analysis Batch:	240-69738	Instrument ID:	YPID
Prep Method:	5030B		N/A	Initial Weight/Volume:	5 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	12/22/2012 1656			Injection Volume:	
Prep Date:	12/22/2012 1656			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	DL	LOQ
C6-C12	36	J	25	100

Surrogate	%Rec	Qualifier	Acceptance Limits
Trifluorotoluene (Surr)	84		10 - 150

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Client Sample ID: **070-0056-0001-SOURCE WATER**

Lab Sample ID: 240-18735-3 Date Sampled: 12/12/2012 1300
Client Matrix: Water Date Received: 12/12/2012 1707

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

Analysis Method:	8015B_DRO/DOD	Analysis Batch:	240-68949	Instrument ID:	A2HP5F
Prep Method:	3520C	Prep Batch:	240-68549	Lab File ID:	P5F10020.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	12/17/2012 2135			Final Weight/Volume:	5 mL
Prep Date:	12/13/2012 1126			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	DL	LOQ
C10-C20	230	U	230	480
C20-C34	230	U	230	480

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

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Client Sample ID: **070-0057-0001-SOURCE WATER**

Lab Sample ID: 240-18735-4 Date Sampled: 12/12/2012 1315
Client Matrix: Water Date Received: 12/12/2012 1707

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

Analysis Method:	8015B_DRO/DOD	Analysis Batch:	240-68949	Instrument ID:	A2HP5F
Prep Method:	3520C	Prep Batch:	240-68549	Lab File ID:	P5F10021.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	12/17/2012 2205			Final Weight/Volume:	5 mL
Prep Date:	12/13/2012 1126			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	DL	LOQ
C10-C20	230	U	230	480
C20-C34	230	U	230	480

Surrogate	%Rec	Qualifier	Acceptance Limits
n-Nonane	51		10 - 110

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Client Sample ID: **070-0056-0001-SOURCE WATER**

Lab Sample ID: 240-18735-3 Date Sampled: 12/12/2012 1300
Client Matrix: Water Date Received: 12/12/2012 1707

8081/DOD Organochlorine Pesticides (GC)

Analysis Method:	8081/DOD	Analysis Batch:	240-69152	Instrument ID:	A2HP9
Prep Method:	3520C	Prep Batch:	240-68554	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	12/18/2012 1314			Injection Volume:	1 uL
Prep Date:	12/13/2012 1140			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	DL	LOQ
4,4'-DDD	0.0095	U	0.0091	0.048
4,4'-DDE	0.0095	U	0.0092	0.048
4,4'-DDT	0.029	U	0.015	0.048
Aldrin	0.0095	U	0.0078	0.048
alpha-BHC	0.0095	U	0.0067	0.048
alpha-Chlordane	0.013	U	0.013	0.048
beta-BHC	0.0095	U	0.0080	0.048
delta-BHC	0.0095	U	0.0083	0.048
Dieldrin	0.0095	U	0.0071	0.048
Endosulfan I	0.012	U	0.012	0.048
Endosulfan II	0.011	U	0.011	0.048
Endosulfan sulfate	0.010	U	0.010	0.048
Endrin	0.010	U	0.010	0.048
Endrin aldehyde	0.010	U	0.010	0.048
Endrin ketone	0.0095	U Q	0.0074	0.048
gamma-BHC (Lindane)	0.0095	U	0.0061	0.048
gamma-Chlordane	0.011	U	0.011	0.048
Heptachlor	0.0095	U	0.0076	0.048
Heptachlor epoxide	0.0095	U	0.0068	0.048
Methoxychlor	0.030	U	0.030	0.095
Toxaphene	0.48	U	0.30	1.9

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	61		30 - 135
Tetrachloro-m-xylene	74		25 - 140

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Client Sample ID: **070-0056-0001-SOURCE WATER**

Lab Sample ID: 240-18735-3 Date Sampled: 12/12/2012 1300
Client Matrix: Water Date Received: 12/12/2012 1707

8081/DOD Organochlorine Pesticides (GC)

Analysis Method:	8081/DOD	Analysis Batch:	240-69152	Instrument ID:	A2HP9
Prep Method:	3520C	Prep Batch:	240-68554	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	12/18/2012 1314			Injection Volume:	1 uL
Prep Date:	12/13/2012 1140			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	61		30 - 135
Tetrachloro-m-xylene	79		25 - 140

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Client Sample ID: **070-0057-0001-SOURCE WATER**

Lab Sample ID: 240-18735-4 Date Sampled: 12/12/2012 1315
Client Matrix: Water Date Received: 12/12/2012 1707

8081/DOD Organochlorine Pesticides (GC)

Analysis Method:	8081/DOD	Analysis Batch:	240-69152	Instrument ID:	A2HP9
Prep Method:	3520C	Prep Batch:	240-68554	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	12/18/2012 1342			Injection Volume:	1 uL
Prep Date:	12/13/2012 1140			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	DL	LOQ
4,4'-DDD	0.0095	U	0.0091	0.048
4,4'-DDE	0.0095	U	0.0092	0.048
4,4'-DDT	0.029	U	0.015	0.048
Aldrin	0.0095	U	0.0078	0.048
alpha-BHC	0.0095	U	0.0067	0.048
alpha-Chlordane	0.013	U	0.013	0.048
beta-BHC	0.0095	U	0.0080	0.048
delta-BHC	0.0095	U	0.0083	0.048
Dieldrin	0.0095	U	0.0071	0.048
Endosulfan I	0.012	U	0.012	0.048
Endosulfan II	0.011	U	0.011	0.048
Endosulfan sulfate	0.010	U	0.010	0.048
Endrin	0.010	U	0.010	0.048
Endrin aldehyde	0.010	U	0.010	0.048
Endrin ketone	0.0095	U Q	0.0074	0.048
gamma-BHC (Lindane)	0.0095	U	0.0061	0.048
gamma-Chlordane	0.011	U	0.011	0.048
Heptachlor	0.0095	U	0.0076	0.048
Heptachlor epoxide	0.0095	U	0.0068	0.048
Methoxychlor	0.030	U	0.030	0.095
Toxaphene	0.48	U	0.30	1.9

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	64		30 - 135
Tetrachloro-m-xylene	79	M	25 - 140

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Client Sample ID: **070-0057-0001-SOURCE WATER**

Lab Sample ID: 240-18735-4 Date Sampled: 12/12/2012 1315
Client Matrix: Water Date Received: 12/12/2012 1707

8081/DOD Organochlorine Pesticides (GC)

Analysis Method:	8081/DOD	Analysis Batch:	240-69152	Instrument ID:	A2HP9
Prep Method:	3520C	Prep Batch:	240-68554	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	12/18/2012 1342			Injection Volume:	1 uL
Prep Date:	12/13/2012 1140			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	63		30 - 135
Tetrachloro-m-xylene	80		25 - 140

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Client Sample ID: **070-0058-0001-IDW**

Lab Sample ID: 240-18735-5 Date Sampled: 12/12/2012 1330
Client Matrix: Solid Date Received: 12/12/2012 1707

8081/DOD Organochlorine Pesticides (GC)-TCLP

Analysis Method:	8081/DOD	Analysis Batch:	240-71174	Instrument ID:	A2HP9
Prep Method:	3520C	Prep Batch:	240-70005	Initial Weight/Volume:	250 mL
Dilution:	1.0	Leach Batch:	240-69294	Final Weight/Volume:	3 mL
Analysis Date:	01/06/2013 1932			Injection Volume:	1 uL
Prep Date:	12/24/2012 1033			Result Type:	PRIMARY
Leach Date:	12/18/2012 1910				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	DL	LOQ
Chlordane (technical)		0.000079	U	0.000079	0.030
Endrin		0.000026	U	0.000026	0.010
gamma-BHC (Lindane)		0.000024	U	0.000015	0.010
Heptachlor		0.000024	U	0.000019	0.010
Heptachlor epoxide		0.000024	U	0.000017	0.010
Methoxychlor		0.000077	U	0.000077	0.030

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	81	M	44 - 144
Tetrachloro-m-xylene	75		44 - 127

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Client Sample ID: **070-0058-0001-IDW**

Lab Sample ID: 240-18735-5 Date Sampled: 12/12/2012 1330
Client Matrix: Solid Date Received: 12/12/2012 1707

8081/DOD Organochlorine Pesticides (GC)-TCLP

Analysis Method:	8081/DOD	Analysis Batch:	240-71174	Instrument ID:	A2HP9
Prep Method:	3520C	Prep Batch:	240-70005	Initial Weight/Volume:	250 mL
Dilution:	1.0	Leach Batch:	240-69294	Final Weight/Volume:	3 mL
Analysis Date:	01/06/2013 1932			Injection Volume:	1 uL
Prep Date:	12/24/2012 1033			Result Type:	SECONDARY
Leach Date:	12/18/2012 1910				

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	76	M	44 - 144
Tetrachloro-m-xylene	76		44 - 127

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Client Sample ID: **070-0059-0001-IDW**

Lab Sample ID: 240-18735-6 Date Sampled: 12/12/2012 1330
Client Matrix: Water Date Received: 12/12/2012 1707

8081/DOD Organochlorine Pesticides (GC)-TCLP

Analysis Method:	8081/DOD	Analysis Batch:	240-71174	Instrument ID:	A2HP9
Prep Method:	3520C	Prep Batch:	240-70005	Initial Weight/Volume:	250 mL
Dilution:	1.0	Leach Batch:	240-69294	Final Weight/Volume:	3 mL
Analysis Date:	01/06/2013 1957			Injection Volume:	1 uL
Prep Date:	12/24/2012 1033			Result Type:	PRIMARY
Leach Date:	12/18/2012 1910				

Analyte	Result (mg/L)	Qualifier	DL	LOQ
Chlordane (technical)	0.000079	U	0.000079	0.030
Endrin	0.000026	U	0.000026	0.010
gamma-BHC (Lindane)	0.000024	U	0.000015	0.010
Heptachlor	0.000024	U	0.000019	0.010
Heptachlor epoxide	0.000024	U	0.000017	0.010
Methoxychlor	0.000077	U	0.000077	0.030

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	13	Q	44 - 144
Tetrachloro-m-xylene	66		44 - 127

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Client Sample ID: **070-0059-0001-IDW**

Lab Sample ID: 240-18735-6 Date Sampled: 12/12/2012 1330
Client Matrix: Water Date Received: 12/12/2012 1707

8081/DOD Organochlorine Pesticides (GC)-TCLP

Analysis Method:	8081/DOD	Analysis Batch:	240-71174	Instrument ID:	A2HP9
Prep Method:	3520C	Prep Batch:	240-70005	Initial Weight/Volume:	250 mL
Dilution:	1.0	Leach Batch:	240-69294	Final Weight/Volume:	3 mL
Analysis Date:	01/06/2013 1957			Injection Volume:	1 uL
Prep Date:	12/24/2012 1033			Result Type:	SECONDARY
Leach Date:	12/18/2012 1910				

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	14	Q	44 - 144
Tetrachloro-m-xylene	71		44 - 127

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Client Sample ID: **070-0056-0001-SOURCE WATER**

Lab Sample ID: 240-18735-3 Date Sampled: 12/12/2012 1300
Client Matrix: Water Date Received: 12/12/2012 1707

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-69119	Instrument ID:	A2HP13
Prep Method:	3520C	Prep Batch:	240-68553	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	12/18/2012 0911			Injection Volume:	1 uL
Prep Date:	12/13/2012 1137			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Aroclor-1221	0.19	U	0.12	0.48
Aroclor-1016	0.19	U	0.16	0.48
Aroclor-1232	0.19	U	0.15	0.48
Aroclor-1242	0.38	U	0.21	0.48
Aroclor-1248	0.19	U	0.095	0.48
Aroclor-1254	0.19	U	0.15	0.48
Aroclor-1260	0.19	U	0.16	0.48

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	87		40 - 140
DCB Decachlorobiphenyl	71		40 - 135

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Client Sample ID: **070-0056-0001-SOURCE WATER**

Lab Sample ID: 240-18735-3 Date Sampled: 12/12/2012 1300
Client Matrix: Water Date Received: 12/12/2012 1707

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-69119	Instrument ID:	A2HP13
Prep Method:	3520C	Prep Batch:	240-68553	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	12/18/2012 0911			Injection Volume:	1 uL
Prep Date:	12/13/2012 1137			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	76		40 - 140
DCB Decachlorobiphenyl	69		40 - 135

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Client Sample ID: **070-0057-0001-SOURCE WATER**

Lab Sample ID: 240-18735-4 Date Sampled: 12/12/2012 1315
Client Matrix: Water Date Received: 12/12/2012 1707

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-69119	Instrument ID:	A2HP13
Prep Method:	3520C	Prep Batch:	240-68553	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	12/18/2012 0926			Injection Volume:	1 uL
Prep Date:	12/13/2012 1137			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Aroclor-1221	0.19	U	0.12	0.48
Aroclor-1016	0.19	U	0.16	0.48
Aroclor-1232	0.19	U	0.15	0.48
Aroclor-1242	0.38	U	0.21	0.48
Aroclor-1248	0.19	U	0.095	0.48
Aroclor-1254	0.19	U	0.15	0.48
Aroclor-1260	0.19	U	0.16	0.48

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	90		40 - 140
DCB Decachlorobiphenyl	70		40 - 135

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Client Sample ID: **070-0057-0001-SOURCE WATER**

Lab Sample ID: 240-18735-4 Date Sampled: 12/12/2012 1315
Client Matrix: Water Date Received: 12/12/2012 1707

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-69119	Instrument ID:	A2HP13
Prep Method:	3520C	Prep Batch:	240-68553	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	12/18/2012 0926			Injection Volume:	1 uL
Prep Date:	12/13/2012 1137			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	77		40 - 140
DCB Decachlorobiphenyl	67		40 - 135

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Client Sample ID: **070-0056-0001-SOURCE WATER**

Lab Sample ID: 240-18735-3 Date Sampled: 12/12/2012 1300
Client Matrix: Water Date Received: 12/12/2012 1707

8151/DOD Herbicides (GC)

Analysis Method:	8151/DOD	Analysis Batch:	240-70037	Instrument ID:	A2HP1
Prep Method:	8151A	Prep Batch:	240-69372	Initial Weight/Volume:	500 mL
Dilution:	1.0			Final Weight/Volume:	100 mL
Analysis Date:	12/24/2012 1740			Injection Volume:	1 uL
Prep Date:	12/19/2012 0951			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	DL	LOQ
2,4-D	0.50	U	0.41	4.0
Dalapon	0.20	U	0.17	2.0
2,4-DB	1.0	U	0.69	4.0
Dicamba	1.0	U	0.52	2.0
Dichlorprop	1.0	U	0.86	4.0
Dinoseb	0.20	U	0.087	0.60
MCPA	400	U	390	400
MCPP	400	U	400	400
Pentachlorophenol	0.040	U	0.024	0.10
Silvex (2,4,5-TP)	0.20	U	0.20	1.0
2,4,5-T	0.50	U	0.30	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	66		32 - 112

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Client Sample ID: **070-0056-0001-SOURCE WATER**

Lab Sample ID: 240-18735-3 Date Sampled: 12/12/2012 1300
Client Matrix: Water Date Received: 12/12/2012 1707

8151/DOD Herbicides (GC)

Analysis Method:	8151/DOD	Analysis Batch:	240-70037	Instrument ID:	A2HP1
Prep Method:	8151A	Prep Batch:	240-69372	Initial Weight/Volume:	500 mL
Dilution:	1.0			Final Weight/Volume:	100 mL
Analysis Date:	12/24/2012 1740			Injection Volume:	1 uL
Prep Date:	12/19/2012 0951			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	79		32 - 112

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Client Sample ID: **070-0057-0001-SOURCE WATER**

Lab Sample ID: 240-18735-4 Date Sampled: 12/12/2012 1315
Client Matrix: Water Date Received: 12/12/2012 1707

8151/DOD Herbicides (GC)

Analysis Method:	8151/DOD	Analysis Batch:	240-70037	Instrument ID:	A2HP1
Prep Method:	8151A	Prep Batch:	240-69372	Initial Weight/Volume:	500 mL
Dilution:	1.0			Final Weight/Volume:	100 mL
Analysis Date:	12/24/2012 1803			Injection Volume:	1 uL
Prep Date:	12/19/2012 0951			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	DL	LOQ
2,4-D	0.50	U	0.41	4.0
Dalapon	0.20	U	0.17	2.0
2,4-DB	1.0	U	0.69	4.0
Dicamba	1.0	U	0.52	2.0
Dichlorprop	1.0	U	0.86	4.0
Dinoseb	0.20	U	0.087	0.60
MCPA	400	U	390	400
MCPP	400	U	400	400
Pentachlorophenol	0.040	U	0.024	0.10
Silvex (2,4,5-TP)	0.20	U	0.20	1.0
2,4,5-T	0.50	U	0.30	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	70		32 - 112

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Client Sample ID: **070-0057-0001-SOURCE WATER**

Lab Sample ID: 240-18735-4 Date Sampled: 12/12/2012 1315
Client Matrix: Water Date Received: 12/12/2012 1707

8151/DOD Herbicides (GC)

Analysis Method:	8151/DOD	Analysis Batch:	240-70037	Instrument ID:	A2HP1
Prep Method:	8151A	Prep Batch:	240-69372	Initial Weight/Volume:	500 mL
Dilution:	1.0			Final Weight/Volume:	100 mL
Analysis Date:	12/24/2012 1803			Injection Volume:	1 uL
Prep Date:	12/19/2012 0951			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	79		32 - 112

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Client Sample ID: **070-0058-0001-IDW**

Lab Sample ID: 240-18735-5 Date Sampled: 12/12/2012 1330
Client Matrix: Solid Date Received: 12/12/2012 1707

8151/DOD Herbicides (GC)-TCLP

Analysis Method:	8151/DOD	Analysis Batch:	240-70766	Instrument ID:	A2HP1
Prep Method:	8151A	Prep Batch:	240-70010	Initial Weight/Volume:	100 mL
Dilution:	1.0	Leach Batch:	240-69294	Final Weight/Volume:	10 mL
Analysis Date:	01/01/2013 0017			Injection Volume:	1 uL
Prep Date:	12/24/2012 1038			Result Type:	PRIMARY
Leach Date:	12/18/2012 1910				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	DL	LOQ
2,4-D		0.00025	U	0.00021	0.25
Silvex (2,4,5-TP)		0.00010	U	0.00010	0.050

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	84		37 - 116

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Client Sample ID: **070-0058-0001-IDW**

Lab Sample ID: 240-18735-5 Date Sampled: 12/12/2012 1330
Client Matrix: Solid Date Received: 12/12/2012 1707

8151/DOD Herbicides (GC)-TCLP

Analysis Method:	8151/DOD	Analysis Batch:	240-70766	Instrument ID:	A2HP1
Prep Method:	8151A	Prep Batch:	240-70010	Initial Weight/Volume:	100 mL
Dilution:	1.0	Leach Batch:	240-69294	Final Weight/Volume:	10 mL
Analysis Date:	01/01/2013 0017			Injection Volume:	1 uL
Prep Date:	12/24/2012 1038			Result Type:	SECONDARY
Leach Date:	12/18/2012 1910				

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	74		37 - 116

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Client Sample ID: **070-0059-0001-IDW**

Lab Sample ID: 240-18735-6 Date Sampled: 12/12/2012 1330
Client Matrix: Water Date Received: 12/12/2012 1707

8151/DOD Herbicides (GC)-TCLP

Analysis Method:	8151/DOD	Analysis Batch:	240-70766	Instrument ID:	A2HP1
Prep Method:	8151A	Prep Batch:	240-70010	Initial Weight/Volume:	100 mL
Dilution:	1.0	Leach Batch:	240-69294	Final Weight/Volume:	10 mL
Analysis Date:	01/01/2013 0104			Injection Volume:	1 uL
Prep Date:	12/24/2012 1038			Result Type:	PRIMARY
Leach Date:	12/18/2012 1910				

Analyte	Result (mg/L)	Qualifier	DL	LOQ
2,4-D	0.00039	J	0.00021	0.25
Silvex (2,4,5-TP)	0.00010	U	0.00010	0.050

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	77		37 - 116

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Client Sample ID: **070-0059-0001-IDW**

Lab Sample ID: 240-18735-6 Date Sampled: 12/12/2012 1330
Client Matrix: Water Date Received: 12/12/2012 1707

8151/DOD Herbicides (GC)-TCLP

Analysis Method:	8151/DOD	Analysis Batch:	240-70766	Instrument ID:	A2HP1
Prep Method:	8151A	Prep Batch:	240-70010	Initial Weight/Volume:	100 mL
Dilution:	1.0	Leach Batch:	240-69294	Final Weight/Volume:	10 mL
Analysis Date:	01/01/2013 0104			Injection Volume:	1 uL
Prep Date:	12/24/2012 1038			Result Type:	SECONDARY
Leach Date:	12/18/2012 1910				

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	66		37 - 116

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Client Sample ID: **070-0056-0001-SOURCE WATER**

Lab Sample ID: 240-18735-3 Date Sampled: 12/12/2012 1300
Client Matrix: Water Date Received: 12/12/2012 1707

8330 Modified Nitroguanidine (HPLC)

Analysis Method:	8330 Modified	Analysis Batch:	320-7855	Instrument ID:	PDA1
Prep Method:	Filtration	Prep Batch:	320-7807	Lab File ID:	320-0001969-056-1.d
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	12/27/2012 0451			Final Weight/Volume:	10 mL
Prep Date:	12/24/2012 1240			Injection Volume:	50 uL

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

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Client Sample ID: **070-0057-0001-SOURCE WATER**

Lab Sample ID: 240-18735-4 Date Sampled: 12/12/2012 1315
Client Matrix: Water Date Received: 12/12/2012 1707

8330 Modified Nitroguanidine (HPLC)

Analysis Method:	8330 Modified	Analysis Batch:	320-7855	Instrument ID:	PDA1
Prep Method:	Filtration	Prep Batch:	320-7807	Lab File ID:	320-0001969-057-1.d
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	12/27/2012 0506			Final Weight/Volume:	10 mL
Prep Date:	12/24/2012 1240			Injection Volume:	50 uL

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

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Client Sample ID: **070-0056-0001-SOURCE WATER**

Lab Sample ID: 240-18735-3 Date Sampled: 12/12/2012 1300
Client Matrix: Water Date Received: 12/12/2012 1707

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-7620	Instrument ID:	LC10
Prep Method:	8330-Prep	Prep Batch:	320-7404	Initial Weight/Volume:	1004.4 mL
Dilution:	1.0			Final Weight/Volume:	20 mL
Analysis Date:	12/21/2012 1522			Injection Volume:	500 uL
Prep Date:	12/14/2012 1107			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,3,5-Trinitrobenzene	0.050	U	0.031	0.10
1,3-Dinitrobenzene	0.10	U	0.050	0.10
2,4,6-Trinitrotoluene	0.10	U	0.050	0.10
2,4-Dinitrotoluene	0.10	U	0.050	0.10
2,6-Dinitrotoluene	0.10	U	0.050	0.10
2-Amino-4,6-dinitrotoluene	0.10	U	0.015	0.20
2-Nitrotoluene	0.10	U	0.088	0.50
3-Nitrotoluene	0.10	U	0.057	0.50
4-Nitrotoluene	0.10	U	0.088	0.50
4-Amino-2,6-dinitrotoluene	0.10	U	0.050	0.10
HMX	0.050	U	0.036	0.10
RDX	0.050	U	0.036	0.10
Nitrobenzene	0.10	U	0.050	0.10
Tetryl	0.10	U	0.050	0.10
Nitroglycerin	0.50	U	0.33	0.65
PETN	0.50	U	0.30	0.65

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	91		79 - 111

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Client Sample ID: **070-0057-0001-SOURCE WATER**

Lab Sample ID: 240-18735-4 Date Sampled: 12/12/2012 1315
Client Matrix: Water Date Received: 12/12/2012 1707

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-7620	Instrument ID:	LC10
Prep Method:	8330-Prep	Prep Batch:	320-7404	Initial Weight/Volume:	1011 mL
Dilution:	1.0			Final Weight/Volume:	20 mL
Analysis Date:	12/21/2012 1602			Injection Volume:	500 uL
Prep Date:	12/14/2012 1107			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,3,5-Trinitrobenzene	0.049	U	0.031	0.099
1,3-Dinitrobenzene	0.099	U	0.049	0.099
2,4,6-Trinitrotoluene	0.099	U	0.049	0.099
2,4-Dinitrotoluene	0.099	U	0.049	0.099
2,6-Dinitrotoluene	0.099	U	0.049	0.099
2-Amino-4,6-dinitrotoluene	0.099	U	0.015	0.20
2-Nitrotoluene	0.099	U	0.087	0.49
3-Nitrotoluene	0.099	U	0.056	0.49
4-Nitrotoluene	0.099	U	0.087	0.49
4-Amino-2,6-dinitrotoluene	0.099	U	0.049	0.099
HMX	0.049	U	0.036	0.099
RDX	0.049	U	0.036	0.099
Nitrobenzene	0.099	U	0.049	0.099
Tetryl	0.099	U	0.049	0.099
Nitroglycerin	0.49	U	0.33	0.64
PETN	0.49	U	0.30	0.64

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	93		79 - 111

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Client Sample ID: **070-0056-0001-SOURCE WATER**

Lab Sample ID: 240-18735-3 Date Sampled: 12/12/2012 1300
Client Matrix: Water Date Received: 12/12/2012 1707

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

Analysis Method:	6020/DOD	Analysis Batch:	180-59694	Instrument ID:	M
Prep Method:	3005A	Prep Batch:	180-59308	Lab File ID:	M21228A.xml
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	12/29/2012 0407			Final Weight/Volume:	50 mL
Prep Date:	12/24/2012 1024				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Silver	0.20	U	0.11	1.0
Aluminum	13	J	2.6	30
Arsenic	0.49	J	0.29	1.0
Barium	39	Q	0.098	10
Beryllium	0.090	U	0.045	1.0
Calcium	66000		9.4	100
Cadmium	0.30	U	0.13	1.0
Chromium	1.0	U	0.54	2.0
Cobalt	0.11	J Q	0.026	0.50
Copper	0.83	J Q	0.24	2.0
Iron	440		11	50
Magnesium	27000		11	100
Manganese	77		0.16	5.0
Sodium	35000		27	100
Nickel	0.35	U	0.17	1.0
Lead	0.30	U	0.15	1.0
Antimony	0.90	U	0.46	2.0
Thallium	0.20	U	0.10	1.0
Vanadium	0.60	U	0.30	1.0
Zinc	18	Q	0.96	5.0
Potassium	2500		32	100
Selenium	1.0	U Q	0.51	5.0

7470A/DOD Mercury (CVAA)

Analysis Method:	7470A/DOD	Analysis Batch:	240-70694	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-70255	Lab File ID:	122912A-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	12/29/2012 1210			Final Weight/Volume:	100 mL
Prep Date:	12/27/2012 1600				

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

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Client Sample ID: **070-0057-0001-SOURCE WATER**

Lab Sample ID: 240-18735-4 Date Sampled: 12/12/2012 1315
Client Matrix: Water Date Received: 12/12/2012 1707

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

Analysis Method:	6020/DOD	Analysis Batch:	180-59694	Instrument ID:	M
Prep Method:	3005A	Prep Batch:	180-59308	Lab File ID:	M21228A.xml
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	12/29/2012 0411			Final Weight/Volume:	50 mL
Prep Date:	12/24/2012 1024				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Silver	0.20	U	0.11	1.0
Aluminum	5.0	U	2.6	30
Arsenic	0.50	U	0.29	1.0
Barium	0.13	J Q	0.098	10
Beryllium	0.090	U	0.045	1.0
Calcium	59	J	9.4	100
Cadmium	0.30	U	0.13	1.0
Chromium	1.0	U	0.54	2.0
Cobalt	0.050	U Q	0.026	0.50
Copper	0.60	J Q	0.24	2.0
Iron	20	U	11	50
Magnesium	29	J	11	100
Manganese	0.30	U	0.16	5.0
Sodium	1600		27	100
Nickel	0.35	U	0.17	1.0
Lead	0.30	U	0.15	1.0
Antimony	0.90	U	0.46	2.0
Thallium	0.20	U	0.10	1.0
Vanadium	0.60	U	0.30	1.0
Zinc	2.0	U Q	0.96	5.0
Potassium	60	U	32	100
Selenium	1.0	U Q	0.51	5.0

7470A/DOD Mercury (CVAA)

Analysis Method:	7470A/DOD	Analysis Batch:	240-70694	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-70255	Lab File ID:	122912A-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	12/29/2012 1208			Final Weight/Volume:	100 mL
Prep Date:	12/27/2012 1600				

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

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Client Sample ID: **070-0058-0001-IDW**

Lab Sample ID: 240-18735-5 Date Sampled: 12/12/2012 1330
Client Matrix: Solid Date Received: 12/12/2012 1707

6010B/DOD Metals (ICP)-TCLP

Analysis Method:	6010B/DOD	Analysis Batch:	240-71033	Instrument ID:	I9
Prep Method:	3010A	Prep Batch:	240-69405	Lab File ID:	I9010312A.asc
Dilution:	1.0	Leach Batch:	240-69294	Initial Weight/Volume:	50 mL
Analysis Date:	01/03/2013 1252			Final Weight/Volume:	50 mL
Prep Date:	12/19/2012 1205				
Leach Date:	12/18/2012 1910				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	DL	LOQ
Silver		0.0050	U	0.0017	0.50
Arsenic		0.0044	J	0.0033	0.50
Barium		0.29	J	0.0028	10
Cadmium		0.0016	J	0.00039	0.10
Chromium		0.0024	J	0.0014	0.50
Lead		0.0090	J	0.0017	0.50
Selenium		0.0066	J	0.0040	0.25

7470A/DOD Mercury (CVAA)-TCLP

Analysis Method:	7470A/DOD	Analysis Batch:	240-69665	Instrument ID:	H4
Prep Method:	7470A	Prep Batch:	240-69409	Lab File ID:	122012A-HG4.PRN
Dilution:	1.0	Leach Batch:	240-69294	Initial Weight/Volume:	100 mL
Analysis Date:	12/20/2012 1454			Final Weight/Volume:	100 mL
Prep Date:	12/20/2012 1120				
Leach Date:	12/18/2012 1910				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	DL	LOQ
Hg		0.00020	U	0.00012	0.0020

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Client Sample ID: **070-0059-0001-IDW**

Lab Sample ID: 240-18735-6 Date Sampled: 12/12/2012 1330
Client Matrix: Water Date Received: 12/12/2012 1707

6010B/DOD Metals (ICP)-TCLP

Analysis Method:	6010B/DOD	Analysis Batch:	240-71033	Instrument ID:	I9
Prep Method:	3010A	Prep Batch:	240-69405	Lab File ID:	I9010312A.asc
Dilution:	1.0	Leach Batch:	240-69294	Initial Weight/Volume:	12.5 mL
Analysis Date:	01/03/2013 1344			Final Weight/Volume:	50 mL
Prep Date:	12/19/2012 1205				
Leach Date:	12/18/2012 1910				

Analyte	Result (mg/L)	Qualifier	DL	LOQ
Silver	0.020	U	0.0070	2.0
Arsenic	0.040	U	0.013	2.0
Barium	0.24	J	0.011	40
Cadmium	0.0040	U	0.0016	0.40
Chromium	0.012	J	0.0056	2.0
Lead	0.015	J	0.0069	2.0
Selenium	0.040	U	0.016	1.0

7470A/DOD Mercury (CVAA)-TCLP

Analysis Method:	7470A/DOD	Analysis Batch:	240-69665	Instrument ID:	H4
Prep Method:	7470A	Prep Batch:	240-69409	Lab File ID:	122012A-HG4.PRN
Dilution:	1.0	Leach Batch:	240-69294	Initial Weight/Volume:	100 mL
Analysis Date:	12/20/2012 1500			Final Weight/Volume:	100 mL
Prep Date:	12/20/2012 1120				
Leach Date:	12/18/2012 1910				

Analyte	Result (mg/L)	Qualifier	DL	LOQ
Hg	0.00020	U	0.00012	0.0020

General Chemistry

Client Sample ID: **070-0056-0001-SOURCE WATER**

Lab Sample ID: 240-18735-3 Date Sampled: 12/12/2012 1300

Client Matrix: Water Date Received: 12/12/2012 1707

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Nitrocellulose	1.0	U	mg/L	0.48	2.0	1.0	WS-WC-0050
Analysis Batch: 320-8009	Analysis Date: 12/27/2012 1351						
Prep Batch: 320-7878	Prep Date: 12/27/2012 0607						

General Chemistry

Client Sample ID: **070-0057-0001-SOURCE WATER**

Lab Sample ID: 240-18735-4 Date Sampled: 12/12/2012 1315

Client Matrix: Water Date Received: 12/12/2012 1707

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Nitrocellulose	1.0	U	mg/L	0.48	2.0	1.0	WS-WC-0050
Analysis Batch: 320-8009	Analysis Date: 12/27/2012 1353						
Prep Batch: 320-7878	Prep Date: 12/27/2012 0607						

General Chemistry

Client Sample ID: **070-0058-0001-IDW**

Lab Sample ID: 240-18735-5 Date Sampled: 12/12/2012 1330
Client Matrix: Solid Date Received: 12/12/2012 1707

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Flashpoint	>180		Degrees F	1.00	1.00	1.0	1010
Analysis Batch: 240-68806	Analysis Date: 12/14/2012 1047						DryWt Corrected: N
Cyanide, Total	0.28	U	mg/Kg	0.11	0.57	1.0	9012A/DoD
Analysis Batch: 240-69587	Analysis Date: 12/20/2012 0959						DryWt Corrected: Y
Prep Batch: 240-69525	Prep Date: 12/20/2012 0825						
Sulfide	31	U	mg/Kg	25	34	1.0	9034
Analysis Batch: 240-69009	Analysis Date: 12/17/2012 1633						DryWt Corrected: Y
Prep Batch: 240-68931	Prep Date: 12/17/2012 1342						
Corrosivity	7.68		SU	0.100	0.100	1.0	9045C
Analysis Batch: 240-68809	Analysis Date: 12/14/2012 1746						DryWt Corrected: N
Percent Solids	88		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68573	Analysis Date: 12/13/2012 1213						DryWt Corrected: N
Percent Moisture	12		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68573	Analysis Date: 12/13/2012 1213						DryWt Corrected: N

General Chemistry

Client Sample ID: **070-0059-0001-IDW**

Lab Sample ID: 240-18735-6 Date Sampled: 12/12/2012 1330
Client Matrix: Water Date Received: 12/12/2012 1707

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Flashpoint	>180		Degrees F	1.00	1.00	1.0	1010
Analysis Batch: 240-69660	Analysis Date: 12/20/2012 1425						
Cyanide, Total	0.010	U	mg/L	0.0050	0.010	1.0	9012A/DoD
Analysis Batch: 240-70054	Analysis Date: 12/24/2012 1311						
Prep Batch: 240-69982	Prep Date: 12/24/2012 0916						
Sulfide	2.5	U	mg/L	0.94	3.0	1.0	9034
Analysis Batch: 240-69010	Analysis Date: 12/17/2012 1655						
Prep Batch: 240-68955	Prep Date: 12/17/2012 0931						
Corrosivity	8.27	H	SU	0.100	0.100	1.0	9040C
Analysis Batch: 240-68653	Analysis Date: 12/13/2012 1844						

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Surrogate Recovery Report

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

Client Matrix: Solid TCLP

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
MRL 240-70888/4		103	97	96	91
MRL 240-70888/10		103	96	101	96

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	50-150
DCA = 1,2-Dichloroethane-d4 (Surr)	50-150
TOL = Toluene-d8 (Surr)	50-150
BFB = 4-Bromofluorobenzene (Surr)	50-150

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Surrogate Recovery Report

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

Client Matrix: Solid TCLP

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
240-18735-5	070-0058-0001-IDW	106	98	92	85
LB 240-69292/1-A MB		104	98	90	88
LCS 240-70888/3		102	99	99	97
240-18735-5 MS	070-0058-0001-IDW MS	103	100	99	103
240-18735-5 MSD	070-0058-0001-IDW MSD	101	94	98	100

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	84-128
DCA = 1,2-Dichloroethane-d4 (Surr)	80-121
TOL = Toluene-d8 (Surr)	90-115
BFB = 4-Bromofluorobenzene (Surr)	70-124

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Surrogate Recovery Report

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

Client Matrix: Water

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
MRL 240-69591/5		99	88	97	97
MRL 240-69591/18		98	92	99	101

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	50-150
DCA = 1,2-Dichloroethane-d4 (Surr)	50-150
TOL = Toluene-d8 (Surr)	50-150
BFB = 4-Bromofluorobenzene (Surr)	50-150

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Surrogate Recovery Report

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

Client Matrix: Water

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
240-18735-3	070-0056-0001-SOURCE WATER	101	91	95	88
240-18735-4	070-0057-0001-SOURCE WATER	101	92	94	89
MB 240-69591/6		99	91	95	91
LCS 240-69591/4		98	90	98	107

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	85-115
DCA = 1,2-Dichloroethane-d4 (Surr)	70-120
TOL = Toluene-d8 (Surr)	85-120
BFB = 4-Bromofluorobenzene (Surr)	75-120

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Surrogate Recovery Report

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

Client Matrix: Water TCLP

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
240-18735-6	070-0059-0001-IDW	107	96	93	84

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	84-128
DCA = 1,2-Dichloroethane-d4 (Surr)	80-121
TOL = Toluene-d8 (Surr)	90-115
BFB = 4-Bromofluorobenzene (Surr)	70-124

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Surrogate Recovery Report

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

Client Matrix: Solid TCLP

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
240-18735-5	070-0058-0001-IDW	35	70	71	61	74	75
MB 240-70003/22-A		29	67	69	58	76	72
LCS 240-70003/23-A		49	74	69	58	77	69

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol (Surr)	10-110
PHL = Phenol-d5 (Surr)	10-110
NBZ = Nitrobenzene-d5 (Surr)	29-111
FBP = 2-Fluorobiphenyl (Surr)	22-110
TBP = 2,4,6-Tribromophenol (Surr)	17-117
TPH = Terphenyl-d14 (Surr)	40-119

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Surrogate Recovery Report

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

Client Matrix: Water

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
240-18735-3	070-0056-0001-SOURCE WATER	68	70	74	70	74	86
240-18735-4	070-0057-0001-SOURCE WATER	70	72	75	75	75	86
MB 240-68547/18-A		68	69	76	77	77	84
LCS 240-68547/19-A		72	73	78	74	83	83

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

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Surrogate Recovery Report

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

Client Matrix: Water

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
MRL 240-70566/3		103	106	107	95	109	100
MRL 240-70566/13		112Q	109	98	99	112	99

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol (Surr)	50-150
PHL = Phenol-d5 (Surr)	50-150
NBZ = Nitrobenzene-d5 (Surr)	50-150
FBP = 2-Fluorobiphenyl (Surr)	50-150
TBP = 2,4,6-Tribromophenol (Surr)	50-150
TPH = Terphenyl-d14 (Surr)	50-150

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Surrogate Recovery Report

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

Client Matrix: Water

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
MRL 240-68962/3		105	105	108	112Q	119	107
MRL 240-68962/10		102	105	109	110	127Q	110

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol (Surr)	50-150
PHL = Phenol-d5 (Surr)	50-150
NBZ = Nitrobenzene-d5 (Surr)	50-150
FBP = 2-Fluorobiphenyl (Surr)	70-130
TBP = 2,4,6-Tribromophenol (Surr)	50-150
TPH = Terphenyl-d14 (Surr)	50-150

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Surrogate Recovery Report

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

Client Matrix: Water TCLP

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
240-18735-6	070-0059-0001-IDW	46	67	52	48	38	70

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol (Surr)	10-110
PHL = Phenol-d5 (Surr)	10-110
NBZ = Nitrobenzene-d5 (Surr)	29-111
FBP = 2-Fluorobiphenyl (Surr)	22-110
TBP = 2,4,6-Tribromophenol (Surr)	17-117
TPH = Terphenyl-d14 (Surr)	40-119

Client: Environmental Chemical Corp.

Job Number: 240-18735-2

Surrogate Recovery Report

8015B Gasoline Range Organics - (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	TFT1 %Rec
240-18735-3	070-0056-0001-SOURCE WATER	86
240-18735-4	070-0057-0001-SOURCE WATER	84
MB 240-69738/36		76
LCS 240-69738/37		92

Surrogate	Acceptance Limits
TFT = Trifluorotoluene (Surr)	10-150

Client: Environmental Chemical Corp.

Job Number: 240-18735-2

Surrogate Recovery Report

8015B Gasoline Range Organics - (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	TFT1 %Rec
MRL 240-69738/35		85
MRL 240-69738/51		85

Surrogate	Acceptance Limits
TFT = Trifluorotoluene (Surr)	70-130

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Surrogate Recovery Report

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

Client Matrix: Water

Lab Sample ID	Client Sample ID	C9 %Rec
240-18735-3	070-0056-0001-SOURCE WATER	55
240-18735-4	070-0057-0001-SOURCE WATER	51
MB 240-68549/15-A		50
LCS 240-68549/16-A		74

Surrogate	Acceptance Limits
C9 = n-Nonane	10-110

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Surrogate Recovery Report

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

Client Matrix: Water

Lab Sample ID	Client Sample ID	C9 %Rec
MRL 240-68949/4		74
MRL 240-68949/23		78

Surrogate	Acceptance Limits
C9 = n-Nonane	70-130

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Surrogate Recovery Report

8081/DOD Organochlorine Pesticides (GC)

Client Matrix: Solid TCLP

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
240-18735-5	070-0058-0001-IDW	75	76	81M	76M
MB 240-70005/5-A		65	65	74	70
LCS 240-70005/4-A		78	77	72	69
240-18735-6 MS	070-0059-0001-IDW MS	88	82	18Q	18Q

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	44-127
DCB = DCB Decachlorobiphenyl	44-144

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Surrogate Recovery Report

8081/DOD Organochlorine Pesticides (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
240-18735-3	070-0056-0001-SOURCE WATER	74	79	61	61
240-18735-4	070-0057-0001-SOURCE WATER	79M	80	64	63
MB 240-68554/4-A		82	77	77	75M
LCS 240-68554/5-A		76	79	39	41

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

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Surrogate Recovery Report

8081/DOD Organochlorine Pesticides (GC)

Client Matrix: Water TCLP

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
240-18735-6	070-0059-0001-IDW	66	71	13Q	14Q

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	44-127
DCB = DCB Decachlorobiphenyl	44-144

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Surrogate Recovery Report

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Water

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
240-18735-3	070-0056-0001-SOURCE WATER	87	76	71	69
240-18735-4	070-0057-0001-SOURCE WATER	90	77	70	67
MB 240-68553/4-A		89	78	76	73
LCS 240-68553/5-A		90	79	70	67

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

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Surrogate Recovery Report

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Water

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
MRL 240-69119/4		116	132	95	99
MRL 240-69119/11		112	146Q	101	106

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

Client: Environmental Chemical Corp.

Job Number: 240-18735-2

Surrogate Recovery Report

8151/DOD Herbicides (GC)

Client Matrix: Solid TCLP

Lab Sample ID	Client Sample ID	DCPA1 %Rec	DCPA2 %Rec
240-18735-5	070-0058-0001-IDW	74	84
MB 240-70010/4-A		79	86
LCS 240-70010/5-A		78	73
240-18735-5 MS	070-0058-0001-IDW MS	70	76

Surrogate	Acceptance Limits
DCPA = 2,4-Dichlorophenylacetic acid	37-116

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Surrogate Recovery Report

8151/DOD Herbicides (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCPA1 %Rec	DCPA2 %Rec
240-18735-3	070-0056-0001-SOURCE WATER	66	79
240-18735-4	070-0057-0001-SOURCE WATER	70	79
MB 240-69372/21-A		74	86
LCS 240-69372/22-A		87	93
MRL 240-70037/7		121Q	122Q
MRL 240-70037/32		128Q	126Q

Surrogate	Acceptance Limits
DCPA = 2,4-Dichlorophenylacetic acid	32-112

Client: Environmental Chemical Corp.

Job Number: 240-18735-2

Surrogate Recovery Report

8151/DOD Herbicides (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCPA1 %Rec	DCPA2 %Rec
MRL 240-70766/23		107	105
MRL 240-70766/42		123Q	120Q

Surrogate	Acceptance Limits
DCPA = 2,4-Dichlorophenylacetic acid	37-116

Client: Environmental Chemical Corp.

Job Number: 240-18735-2

Surrogate Recovery Report

8151/DOD Herbicides (GC)

Client Matrix: Water TCLP

Lab Sample ID	Client Sample ID	DCPA1 %Rec	DCPA2 %Rec
240-18735-6	070-0059-0001-IDW	66	77

Surrogate	Acceptance Limits
DCPA = 2,4-Dichlorophenylacetic acid	37-116

Client: Environmental Chemical Corp.

Job Number: 240-18735-2

Surrogate Recovery Report

8330B Nitroaromatics and Nitramines (HPLC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DNT1 %Rec
240-18735-3	070-0056-0001-SOURCE WATER	91
240-18735-4	070-0057-0001-SOURCE WATER	93
MB 320-7404/1-A		97
LCS 320-7404/2-A		97

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

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Method Blank - Batch: 240-69591

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	MB 240-69591/6	Analysis Batch:	240-69591	Instrument ID:	A3UX10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXX1590.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/20/2012 1305	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/20/2012 1305				
Leach Date:	N/A				

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

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	95	85 - 120
1,2-Dichloroethane-d4 (Surr)	91	70 - 120
4-Bromofluorobenzene (Surr)	91	75 - 120
Dibromofluoromethane (Surr)	99	85 - 115

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Lab Control Sample - Batch: 240-69591

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	LCS 240-69591/4	Analysis Batch:	240-69591	Instrument ID:	A3UX10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXX1588.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/20/2012 1221	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/20/2012 1221				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	10.0	9.73	97	65 - 130	
1,1,2,2-Tetrachloroethane	10.0	8.20	82	65 - 130	
1,1,2-Trichloroethane	10.0	9.41	94	75 - 125	
1,1-Dichloroethane	10.0	9.80	98	70 - 135	
1,1-Dichloroethene	10.0	9.70	97	70 - 130	
1,2-Dichloroethane	10.0	9.38	94	70 - 130	
1,2-Dichloropropane	10.0	9.91	99	75 - 125	
2-Butanone (MEK)	20.0	18.0	90	30 - 150	
2-Hexanone	20.0	17.6	88	55 - 130	
4-Methyl-2-pentanone (MIBK)	20.0	19.8	99	60 - 135	
Acetone	20.0	20.6	103	40 - 140	
Benzene	10.0	9.74	97	80 - 120	
Bromoform	10.0	8.65	86	70 - 130	
Bromomethane	10.0	8.59	86	30 - 145	
Carbon disulfide	10.0	10.2	102	35 - 160	
Carbon tetrachloride	10.0	9.96	100	65 - 140	
Chlorobenzene	10.0	9.56	96	80 - 120	
Chloromethane	10.0	8.62	86	40 - 125	
cis-1,3-Dichloropropene	10.0	9.52	95	70 - 130	
Dibromochloromethane	10.0	9.25	92	60 - 135	
Bromodichloromethane	10.0	9.81	98	75 - 120	
Ethylbenzene	10.0	9.95	100	75 - 125	
Methyl tert-butyl ether	10.0	9.55	96	65 - 125	
Methylene Chloride	10.0	9.92	99	55 - 140	
Styrene	10.0	10.1	101	65 - 135	
Tetrachloroethene	10.0	9.89	99	45 - 150	
Toluene	10.0	9.48	95	75 - 120	
trans-1,3-Dichloropropene	10.0	8.78	88	55 - 140	
Trichloroethene	10.0	10.2	102	70 - 125	
Vinyl chloride	10.0	8.84	88	50 - 145	
Xylenes, Total	30.0	30.2	101	75 - 130	
Chloroform	10.0	9.19	92	65 - 135	
Bromochloromethane	10.0	9.74	97	65 - 130	
Chloroethane	10.0	9.33	93	60 - 135	

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	98	85 - 120
1,2-Dichloroethane-d4 (Surr)	90	70 - 120
4-Bromofluorobenzene (Surr)	107	75 - 120
Dibromofluoromethane (Surr)	98	85 - 115

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Method Reporting Limit Check - Batch: 240-69591

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	MRL 240-69591/5	Analysis Batch:	240-69591	Instrument ID:	A3UX10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXX1589.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/20/2012 1243	Units:	ng/uL	Final Weight/Volume:	5 mL
Prep Date:	12/20/2012 1243				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	0.00100	0.000965	97	70 - 130	J
1,1,2,2-Tetrachloroethane	0.00100	0.000928	93	70 - 130	J
1,1,2-Trichloroethane	0.00100	0.000894	89	70 - 130	J
1,1-Dichloroethane	0.00100	0.000865	86	70 - 130	J
1,1-Dichloroethene	0.00100	0.000938	94	70 - 130	J
1,2-Dichloroethane	0.00100	0.000901	90	70 - 130	J
1,2-Dichloropropane	0.00100	0.000908	91	70 - 130	J
2-Butanone (MEK)	0.0100	0.00922	92	70 - 130	J
2-Hexanone	0.0100	0.00828	83	70 - 130	J
4-Methyl-2-pentanone (MIBK)	0.0100	0.00899	90	70 - 130	J
Acetone	0.0100	0.00910	91	70 - 130	J
Benzene	0.00100	0.000979	98	70 - 130	J
Bromoform	0.00100	0.000679	68	70 - 130	J ^
Bromomethane	0.00100	0.00103	103	70 - 130	
Carbon disulfide	0.00100	0.00102	102	70 - 130	
Carbon tetrachloride	0.00100	0.000896	90	70 - 130	J
Chlorobenzene	0.00100	0.000910	91	70 - 130	J
Chloromethane	0.00100	0.000961	96	70 - 130	J
cis-1,3-Dichloropropene	0.00100	0.000779	78	70 - 130	J
Dibromochloromethane	0.00100	0.000754	75	70 - 130	J
Bromodichloromethane	0.00100	0.000865	86	70 - 130	J
Ethylbenzene	0.00100	0.000799	80	70 - 130	J
Methyl tert-butyl ether	0.00100	0.000889	89	70 - 130	J
Methylene Chloride	0.00100	0.00105	105	70 - 130	
Styrene	0.00100	0.000737	74	70 - 130	J
Tetrachloroethene	0.00100	0.000980	98	70 - 130	J
Toluene	0.00100	0.000959	96	70 - 130	J
trans-1,3-Dichloropropene	0.00100	0.000696	70	70 - 130	J
Trichloroethene	0.00100	0.000960	96	70 - 130	J
Vinyl chloride	0.00100	0.000959	96	70 - 130	J
Xylenes, Total	0.00300	0.00253	84	70 - 130	
Chloroform	0.00100	0.000918	92	70 - 130	J
Bromochloromethane	0.00100	0.000922	92	70 - 130	J
Chloroethane	0.00100	0.000981	98	70 - 130	J

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	97	50 - 150
1,2-Dichloroethane-d4 (Surr)	88	50 - 150
4-Bromofluorobenzene (Surr)	97	50 - 150
Dibromofluoromethane (Surr)	99	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Method Reporting Limit Check - Batch: 240-69591

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	MRL 240-69591/18	Analysis Batch:	240-69591	Instrument ID:	A3UX10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXX1602.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/20/2012 1742	Units:	ng/uL	Final Weight/Volume:	5 mL
Prep Date:	12/20/2012 1742				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	0.00100	0.000975	98	70 - 130	J
1,1,2,2-Tetrachloroethane	0.00100	0.000914	91	70 - 130	J
1,1,2-Trichloroethane	0.00100	0.000955	96	70 - 130	J
1,1-Dichloroethane	0.00100	0.000967	97	70 - 130	J
1,1-Dichloroethene	0.00100	0.000977	98	70 - 130	J
1,2-Dichloroethane	0.00100	0.00101	101	70 - 130	
1,2-Dichloropropane	0.00100	0.000992	99	70 - 130	J
2-Butanone (MEK)	0.0100	0.00903	90	70 - 130	J
2-Hexanone	0.0100	0.00856	86	70 - 130	J
4-Methyl-2-pentanone (MIBK)	0.0100	0.00853	85	70 - 130	J
Acetone	0.0100	0.00944	94	70 - 130	J
Benzene	0.00100	0.00101	101	70 - 130	
Bromoform	0.00100	0.000816	82	70 - 130	J
Bromomethane	0.00100	0.00119	119	70 - 130	
Carbon disulfide	0.00100	0.00103	103	70 - 130	
Carbon tetrachloride	0.00100	0.000881	88	70 - 130	J
Chlorobenzene	0.00100	0.000975	98	70 - 130	J
Chloromethane	0.00100	0.00109	109	70 - 130	
cis-1,3-Dichloropropene	0.00100	0.000806	81	70 - 130	J
Dibromochloromethane	0.00100	0.000871	87	70 - 130	J
Bromodichloromethane	0.00100	0.000940	94	70 - 130	J
Ethylbenzene	0.00100	0.000912	91	70 - 130	J
Methyl tert-butyl ether	0.00100	0.000923	92	70 - 130	J
Methylene Chloride	0.00100	0.000617	62	70 - 130	J ^
Styrene	0.00100	0.000787	79	70 - 130	J
Tetrachloroethene	0.00100	0.000921	92	70 - 130	J
Toluene	0.00100	0.00100	100	70 - 130	
trans-1,3-Dichloropropene	0.00100	0.000735	74	70 - 130	J
Trichloroethene	0.00100	0.00104	104	70 - 130	
Vinyl chloride	0.00100	0.00107	107	70 - 130	
Xylenes, Total	0.00300	0.00250	83	70 - 130	
Chloroform	0.00100	0.000952	95	70 - 130	J
Bromochloromethane	0.00100	0.00106	106	70 - 130	
Chloroethane	0.00100	0.00118	118	70 - 130	

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	99	50 - 150
1,2-Dichloroethane-d4 (Surr)	92	50 - 150
4-Bromofluorobenzene (Surr)	101	50 - 150
Dibromofluoromethane (Surr)	98	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Method Blank - Batch: 240-70888

Method: 8260B/DoD
Preparation: 5030B
TCLP

Lab Sample ID:	LB 240-69292/1-A	Analysis Batch:	240-70888	Instrument ID:	A3UX10
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	UXX1987.D
Dilution:	1.0	Leach Batch:	240-69292	Initial Weight/Volume:	0.2 mL
Analysis Date:	01/02/2013 1520	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	01/02/2013 1520				
Leach Date:	12/18/2012 1925				

Analyte	Result	Qual	DL	LOQ
1,1-Dichloroethene	0.013	U	0.0095	0.025
1,2-Dichloroethane	0.013	U	0.011	0.025
2-Butanone (MEK)	0.025	U	0.029	0.25
Benzene	0.013	U	0.0065	0.025
Carbon tetrachloride	0.013	U	0.0065	0.025
Chlorobenzene	0.013	U	0.0075	0.025
Tetrachloroethene	0.025	U	0.015	0.025
Trichloroethene	0.013	U	0.0085	0.025
Vinyl chloride	0.013	U	0.011	0.025
Chloroform	0.013	U	0.0080	0.025

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	90	90 - 115
1,2-Dichloroethane-d4 (Surr)	98	80 - 121
4-Bromofluorobenzene (Surr)	88	70 - 124
Dibromofluoromethane (Surr)	104	84 - 128

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Lab Control Sample - Batch: 240-70888

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	LCS 240-70888/3	Analysis Batch:	240-70888	Instrument ID:	A3UX10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXX1985.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.2 mL
Analysis Date:	01/02/2013 1436	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	01/02/2013 1436				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethene	0.250	0.257	103	71 - 133	
1,2-Dichloroethane	0.250	0.265	106	81 - 114	
2-Butanone (MEK)	0.500	0.487	97	49 - 120	
Benzene	0.250	0.262	105	84 - 120	
Carbon tetrachloride	0.250	0.268	107	54 - 122	
Chlorobenzene	0.250	0.250	100	86 - 111	
Tetrachloroethene	0.250	0.251	100	79 - 134	
Trichloroethene	0.250	0.270	108	78 - 130	
Vinyl chloride	0.250	0.240	96	56 - 111	
Chloroform	0.250	0.252	101	87 - 123	

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	99	90 - 115
1,2-Dichloroethane-d4 (Surr)	99	80 - 121
4-Bromofluorobenzene (Surr)	97	70 - 124
Dibromofluoromethane (Surr)	102	84 - 128

Method Reporting Limit Check - Batch: 240-70888

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	MRL 240-70888/4	Analysis Batch:	240-70888	Instrument ID:	A3UX10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXX1986.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.2 mL
Analysis Date:	01/02/2013 1458	Units:	ng/uL	Final Weight/Volume:	5 mL
Prep Date:	01/02/2013 1458				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethene	0.0250	0.0254	102	70 - 130	
1,2-Dichloroethane	0.0250	0.0250	100	70 - 130	
2-Butanone (MEK)	0.250	0.239	96	70 - 130	J
Benzene	0.0250	0.0253	101	70 - 130	
Carbon tetrachloride	0.0250	0.0243	97	70 - 130	J
Chlorobenzene	0.0250	0.0239	96	70 - 130	J
Tetrachloroethene	0.0250	0.0257	103	70 - 130	
Trichloroethene	0.0250	0.0257	103	70 - 130	
Vinyl chloride	0.0250	0.0372	149	70 - 130	^
Chloroform	0.0250	0.0262	105	70 - 130	

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	96	50 - 150
1,2-Dichloroethane-d4 (Surr)	97	50 - 150
4-Bromofluorobenzene (Surr)	91	50 - 150
Dibromofluoromethane (Surr)	103	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Method Reporting Limit Check - Batch: 240-70888

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	MRL 240-70888/10	Analysis Batch:	240-70888	Instrument ID:	A3UX10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXX1992.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.2 mL
Analysis Date:	01/02/2013 1707	Units:	ng/uL	Final Weight/Volume:	5 mL
Prep Date:	01/02/2013 1707				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethene	0.0250	0.0265	106	70 - 130	
1,2-Dichloroethane	0.0250	0.0279	111	70 - 130	
2-Butanone (MEK)	0.250	0.226	90	70 - 130	J
Benzene	0.0250	0.0276	110	70 - 130	
Carbon tetrachloride	0.0250	0.0285	114	70 - 130	
Chlorobenzene	0.0250	0.0278	111	70 - 130	
Tetrachloroethene	0.0250	0.0281	112	70 - 130	
Trichloroethene	0.0250	0.0281	112	70 - 130	
Vinyl chloride	0.0250	0.0293	117	70 - 130	
Chloroform	0.0250	0.0282	113	70 - 130	

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	101	50 - 150
1,2-Dichloroethane-d4 (Surr)	96	50 - 150
4-Bromofluorobenzene (Surr)	96	50 - 150
Dibromofluoromethane (Surr)	103	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-70888

Method: 8260B/DoD
Preparation: 5030B
TCLP

MS Lab Sample ID:	240-18735-5	Analysis Batch:	240-70888	Instrument ID:	A3UX10
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	UXX1990.D
Dilution:	1.0	Leach Batch:	240-69292	Initial Weight/Volume:	0.2 mL
Analysis Date:	01/02/2013 1624			Final Weight/Volume:	5 mL
Prep Date:	01/02/2013 1624				
Leach Date:	12/18/2012 1925				

MSD Lab Sample ID:	240-18735-5	Analysis Batch:	240-70888	Instrument ID:	A3UX10
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	UXX1991.D
Dilution:	1.0	Leach Batch:	240-69292	Initial Weight/Volume:	0.2 mL
Analysis Date:	01/02/2013 1646			Final Weight/Volume:	5 mL
Prep Date:	01/02/2013 1646				
Leach Date:	12/18/2012 1925				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1-Dichloroethene	103	105	67 - 139	2	30		
1,2-Dichloroethane	102	103	80 - 115	1	30		
2-Butanone (MEK)	99	97	49 - 117	2	30		
Benzene	103	102	85 - 119	0	30		
Carbon tetrachloride	106	110	60 - 110	3	30		
Chlorobenzene	99	99	85 - 113	0	30		
Tetrachloroethene	99	102	74 - 138	3	30		
Trichloroethene	109	108	75 - 134	0	30		
Vinyl chloride	95	93	51 - 118	2	30		
Chloroform	102	100	86 - 124	2	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	99	98	90 - 115
1,2-Dichloroethane-d4 (Surr)	100	94	80 - 121
4-Bromofluorobenzene (Surr)	103	100	70 - 124
Dibromofluoromethane (Surr)	103	101	84 - 128

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-70888

Method: 8260B/DoD
Preparation: 5030B
TCLP

MS Lab Sample ID:	240-18735-5	Units:	mg/L
Client Matrix:	Solid		
Dilution:	1.0		
Analysis Date:	01/02/2013 1624		
Prep Date:	01/02/2013 1624		
Leach Date:	12/18/2012 1925		

MSD Lab Sample ID:	240-18735-5
Client Matrix:	Solid
Dilution:	1.0
Analysis Date:	01/02/2013 1646
Prep Date:	01/02/2013 1646
Leach Date:	12/18/2012 1925

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1,1-Dichloroethene	0.013	U	0.250	0.250	0.259	0.263
1,2-Dichloroethane	0.013	U	0.250	0.250	0.255	0.257
2-Butanone (MEK)	0.025	U	0.500	0.500	0.496	0.486
Benzene	0.013	U	0.250	0.250	0.257	0.256
Carbon tetrachloride	0.013	U	0.250	0.250	0.265	0.274
Chlorobenzene	0.013	U	0.250	0.250	0.247	0.248
Tetrachloroethene	0.025	U	0.250	0.250	0.248	0.255
Trichloroethene	0.013	U	0.250	0.250	0.271	0.270
Vinyl chloride	0.013	U	0.250	0.250	0.238	0.233
Chloroform	0.013	U	0.250	0.250	0.256	0.250

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Method Blank - Batch: 240-68547

Method: 8270C/DoD
Preparation: 3520C

Lab Sample ID:	MB 240-68547/18-A	Analysis Batch:	240-68962	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	240-68547	Lab File ID:	21217004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	12/17/2012 1118	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	12/13/2012 1121			Injection Volume:	1 uL
Leach Date:	N/A				

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

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Method Blank - Batch: 240-68547

Method: 8270C/DoD
Preparation: 3520C

Lab Sample ID:	MB 240-68547/18-A	Analysis Batch:	240-68962	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	240-68547	Lab File ID:	21217004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	12/17/2012 1118	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	12/13/2012 1121			Injection Volume:	1 uL
Leach Date:	N/A				

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

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	77	50 - 110
2-Fluorophenol (Surr)	68	20 - 110
Nitrobenzene-d5 (Surr)	76	40 - 110
Phenol-d5 (Surr)	69	10 - 115
Terphenyl-d14 (Surr)	84	50 - 135
2,4,6-Tribromophenol (Surr)	77	40 - 125

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Lab Control Sample - Batch: 240-68547

Method: 8270C/DoD
Preparation: 3520C

Lab Sample ID:	LCS 240-68547/19-A	Analysis Batch:	240-68962	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	240-68547	Lab File ID:	21217005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	12/17/2012 1141	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	12/13/2012 1121			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	20.0	15.4	77	45 - 110	
Acenaphthylene	20.0	15.4	77	50 - 105	
Anthracene	20.0	15.8	79	55 - 110	
Benzo[a]anthracene	20.0	15.8	79	55 - 110	
Benzo[a]pyrene	20.0	14.0	70	55 - 110	
Benzo[b]fluoranthene	20.0	16.9	84	45 - 120	
Benzo[g,h,i]perylene	20.0	18.3	91	40 - 125	
Benzoic acid	20.0	10	36	0 - 125	U
Benzo[k]fluoranthene	20.0	16.7	84	45 - 125	
Benzyl alcohol	20.0	16.0	80	30 - 110	
Bis(2-chloroethoxy)methane	20.0	14.7	73	45 - 105	
Bis(2-chloroethyl)ether	20.0	15.3	76	35 - 110	
bis (2-chloroisopropyl) ether	20.0	14.1	71	25 - 130	
Bis(2-ethylhexyl) phthalate	20.0	15.3	76	40 - 125	
4-Bromophenyl phenyl ether	20.0	16.8	84	50 - 115	
Butyl benzyl phthalate	20.0	15.5	78	45 - 115	
Carbazole	20.0	15.7	79	50 - 115	
4-Chloroaniline	20.0	14.0	70	15 - 110	
4-Chloro-3-methylphenol	20.0	16.3	81	45 - 110	
2-Chloronaphthalene	20.0	15.0	75	50 - 105	
2-Chlorophenol	20.0	15.7	79	35 - 105	
4-Chlorophenyl phenyl ether	20.0	16.3	81	50 - 110	
Chrysene	20.0	16.4	82	55 - 110	
Dibenz(a,h)anthracene	20.0	16.8	84	40 - 125	
Dibenzofuran	20.0	15.4	77	55 - 105	
1,2-Dichlorobenzene	20.0	14.6	73	35 - 100	
1,3-Dichlorobenzene	20.0	14.2	71	30 - 100	
1,4-Dichlorobenzene	20.0	14.6	73	30 - 100	
3,3'-Dichlorobenzidine	20.0	10.1	50	20 - 110	
2,4-Dichlorophenol	20.0	16.3	82	50 - 105	
Diethyl phthalate	20.0	16.9	85	40 - 120	
2,4-Dimethylphenol	20.0	11.7	58	30 - 110	
Dimethyl phthalate	20.0	17.1	85	25 - 125	
Di-n-butyl phthalate	20.0	16.9	85	55 - 115	
4,6-Dinitro-2-methylphenol	20.0	14.8	74	40 - 130	
2,4-Dinitrophenol	20.0	12.5	63	15 - 140	
2,4-Dinitrotoluene	20.0	16.9	84	50 - 120	
2,6-Dinitrotoluene	20.0	16.7	84	50 - 115	
Di-n-octyl phthalate	20.0	15.6	78	35 - 135	
Fluoranthene	20.0	16.5	83	55 - 115	
Fluorene	20.0	15.8	79	50 - 110	
Hexachlorobenzene	20.0	16.2	81	50 - 110	
Hexachlorobutadiene	20.0	15.3	77	25 - 105	
Hexachloroethane	20.0	14.0	70	30 - 95	
Indeno[1,2,3-cd]pyrene	20.0	16.7	83	45 - 125	
Isophorone	20.0	16.5	82	50 - 110	

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Lab Control Sample - Batch: 240-68547

Method: 8270C/DoD
Preparation: 3520C

Lab Sample ID:	LCS 240-68547/19-A	Analysis Batch:	240-68962	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	240-68547	Lab File ID:	21217005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	12/17/2012 1141	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	12/13/2012 1121			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Methylnaphthalene	20.0	15.5	78	45 - 105	
2-Methylphenol	20.0	14.2	71	40 - 110	
3 & 4 Methylphenol	40.0	29.1	73	30 - 110	
Naphthalene	20.0	15.3	76	40 - 100	
2-Nitroaniline	20.0	16.6	83	50 - 115	
3-Nitroaniline	20.0	16.2	81	20 - 125	
4-Nitroaniline	20.0	15.0	75	35 - 120	
Nitrobenzene	20.0	16.1	81	45 - 110	
2-Nitrophenol	20.0	16.2	81	40 - 115	
4-Nitrophenol	20.0	19.1	95	0 - 125	
N-Nitrosodi-n-propylamine	20.0	16.0	80	35 - 130	
N-Nitrosodiphenylamine	20.0	15.3	77	50 - 110	
Pentachlorophenol	20.0	12.7	63	40 - 115	
Phenanthrene	20.0	15.8	79	50 - 115	
Phenol	20.0	15.0	75	0 - 115	
Pyrene	20.0	14.9	75	50 - 130	
1,2,4-Trichlorobenzene	20.0	14.8	74	35 - 105	
2,4,5-Trichlorophenol	20.0	16.2	81	50 - 110	
2,4,6-Trichlorophenol	20.0	17.0	85	50 - 115	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	74	50 - 110
2-Fluorophenol (Surr)	72	20 - 110
Nitrobenzene-d5 (Surr)	78	40 - 110
Phenol-d5 (Surr)	73	10 - 115
Terphenyl-d14 (Surr)	83	50 - 135
2,4,6-Tribromophenol (Surr)	83	40 - 125

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Method Reporting Limit Check - Batch: 240-68962 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-68962/3	Analysis Batch:	240-68962	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21217003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/17/2012 1054	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	5.00	5.49	110	70 - 130	
Acenaphthylene	5.00	5.55	111	70 - 130	
Anthracene	5.00	5.67	113	70 - 130	
Benzo[a]anthracene	5.00	5.61	112	70 - 130	
Benzo[a]pyrene	5.00	5.48	110	70 - 130	
Benzo[b]fluoranthene	5.00	5.92	118	70 - 130	
Benzo[g,h,i]perylene	5.00	6.10	122	70 - 130	
Benzoic acid	10.0	11.4	114	70 - 130	
Benzo[k]fluoranthene	5.00	5.57	111	70 - 130	
Benzyl alcohol	5.00	5.33	107	70 - 130	
Bis(2-chloroethoxy)methane	5.00	5.11	102	70 - 130	
Bis(2-chloroethyl)ether	5.00	5.09	102	70 - 130	
bis (2-chloroisopropyl) ether	5.00	4.92	98	70 - 130	
Bis(2-ethylhexyl) phthalate	5.00	5.45	109	70 - 130	
4-Bromophenyl phenyl ether	5.00	5.81	116	70 - 130	
Butyl benzyl phthalate	5.00	5.23	105	70 - 130	
Carbazole	5.00	5.59	112	70 - 130	
4-Chloroaniline	5.00	5.30	106	70 - 130	
4-Chloro-3-methylphenol	5.00	5.76	115	70 - 130	
2-Chloronaphthalene	5.00	5.38	108	70 - 130	
2-Chlorophenol	5.00	5.33	107	70 - 130	
4-Chlorophenyl phenyl ether	5.00	5.66	113	70 - 130	
Chrysene	5.00	5.59	112	70 - 130	
Dibenz(a,h)anthracene	5.00	5.79	116	70 - 130	
Dibenzofuran	5.00	5.31	106	70 - 130	
1,2-Dichlorobenzene	5.00	5.28	106	70 - 130	
1,3-Dichlorobenzene	5.00	5.35	107	70 - 130	
1,4-Dichlorobenzene	5.00	5.46	109	70 - 130	
3,3'-Dichlorobenzidine	5.00	5.44	109	70 - 130	
2,4-Dichlorophenol	5.00	5.88	118	70 - 130	
Diethyl phthalate	5.00	5.77	115	70 - 130	
2,4-Dimethylphenol	5.00	5.97	119	70 - 130	
Dimethyl phthalate	5.00	5.66	113	70 - 130	
Di-n-butyl phthalate	5.00	5.70	114	70 - 130	
4,6-Dinitro-2-methylphenol	5.00	5.40	108	70 - 130	
2,4-Dinitrophenol	10.0	11.5	115	70 - 130	
2,4-Dinitrotoluene	5.00	5.56	111	70 - 130	
2,6-Dinitrotoluene	5.00	5.50	110	70 - 130	
Di-n-octyl phthalate	5.00	5.47	109	70 - 130	
Fluoranthene	5.00	5.83	117	70 - 130	
Fluorene	5.00	5.56	111	70 - 130	
Hexachlorobenzene	5.00	5.56	111	70 - 130	
Hexachlorobutadiene	5.00	6.16	123	70 - 130	
Hexachloroethane	5.00	5.28	106	70 - 130	
Indeno[1,2,3-cd]pyrene	5.00	5.69	114	70 - 130	
Isophorone	5.00	5.51	110	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Method Reporting Limit Check - Batch: 240-68962 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-68962/3	Analysis Batch:	240-68962	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21217003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/17/2012 1054	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Methylnaphthalene	5.00	5.59	112	70 - 130	
2-Methylphenol	5.00	5.30	106	70 - 130	
3 & 4 Methylphenol	5.00	5.15	103	70 - 130	
Naphthalene	5.00	5.44	109	70 - 130	
2-Nitroaniline	5.00	5.53	111	70 - 130	
3-Nitroaniline	5.00	5.56	111	70 - 130	
4-Nitroaniline	5.00	5.38	108	70 - 130	
Nitrobenzene	5.00	5.49	110	70 - 130	
2-Nitrophenol	5.00	5.65	113	70 - 130	
4-Nitrophenol	5.00	6.43	129	70 - 130	
N-Nitrosodi-n-propylamine	5.00	5.32	106	70 - 130	
N-Nitrosodiphenylamine	5.00	5.43	109	70 - 130	
Pentachlorophenol	10.0	11.8	118	70 - 130	
Phenanthrene	5.00	5.40	108	70 - 130	
Phenol	5.00	5.21	104	70 - 130	
Pyrene	5.00	5.53	111	70 - 130	
1,2,4-Trichlorobenzene	5.00	5.62	112	70 - 130	
2,4,5-Trichlorophenol	5.00	5.68	114	70 - 130	
2,4,6-Trichlorophenol	5.00	5.79	116	70 - 130	

Surrogate	% Rec		Acceptance Limits
2-Fluorobiphenyl (Surr)	112	Q	70 - 130
2-Fluorophenol (Surr)	105		50 - 150
Nitrobenzene-d5 (Surr)	108		50 - 150
Phenol-d5 (Surr)	105		50 - 150
Terphenyl-d14 (Surr)	107		50 - 150
2,4,6-Tribromophenol (Surr)	119		50 - 150

Method Reporting Limit Check - Batch: 240-68962 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-68962/10	Analysis Batch:	240-68962	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21217010.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/17/2012 1315	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	5.00	5.58	112	70 - 130	
Acenaphthylene	5.00	5.61	112	70 - 130	
Anthracene	5.00	5.64	113	70 - 130	
Benzo[a]anthracene	5.00	5.74	115	70 - 130	
Benzo[a]pyrene	5.00	5.39	108	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Method Reporting Limit Check - Batch: 240-68962 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-68962/10	Analysis Batch:	240-68962	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21217010.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/17/2012 1315	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzo[b]fluoranthene	5.00	5.39	108	70 - 130	
Benzo[g,h,i]perylene	5.00	5.84	117	70 - 130	
Benzoic acid	10.0	10.6	106	70 - 130	
Benzo[k]fluoranthene	5.00	5.91	118	70 - 130	
Benzyl alcohol	5.00	5.35	107	70 - 130	
Bis(2-chloroethoxy)methane	5.00	5.02	100	70 - 130	
Bis(2-chloroethyl)ether	5.00	5.13	103	70 - 130	
bis (2-chloroisopropyl) ether	5.00	4.83	97	70 - 130	
Bis(2-ethylhexyl) phthalate	5.00	5.61	112	70 - 130	
4-Bromophenyl phenyl ether	5.00	5.73	115	70 - 130	
Butyl benzyl phthalate	5.00	5.45	109	70 - 130	
Carbazole	5.00	5.45	109	70 - 130	
4-Chloroaniline	5.00	5.40	108	70 - 130	
4-Chloro-3-methylphenol	5.00	5.82	116	70 - 130	
2-Chloronaphthalene	5.00	5.39	108	70 - 130	
2-Chlorophenol	5.00	5.44	109	70 - 130	
4-Chlorophenyl phenyl ether	5.00	5.81	116	70 - 130	
Chrysene	5.00	5.73	115	70 - 130	
Dibenz(a,h)anthracene	5.00	5.38	108	70 - 130	
Dibenzofuran	5.00	5.61	112	70 - 130	
1,2-Dichlorobenzene	5.00	5.38	108	70 - 130	
1,3-Dichlorobenzene	5.00	5.25	105	70 - 130	
1,4-Dichlorobenzene	5.00	5.38	108	70 - 130	
3,3'-Dichlorobenzidine	5.00	5.58	112	70 - 130	
2,4-Dichlorophenol	5.00	5.90	118	70 - 130	
Diethyl phthalate	5.00	5.83	117	70 - 130	
2,4-Dimethylphenol	5.00	5.71	114	70 - 130	
Dimethyl phthalate	5.00	5.85	117	70 - 130	
Di-n-butyl phthalate	5.00	5.61	112	70 - 130	
4,6-Dinitro-2-methylphenol	5.00	5.40	108	70 - 130	
2,4-Dinitrophenol	10.0	11.6	116	70 - 130	
2,4-Dinitrotoluene	5.00	5.75	115	70 - 130	
2,6-Dinitrotoluene	5.00	5.61	112	70 - 130	
Di-n-octyl phthalate	5.00	5.24	105	70 - 130	
Fluoranthene	5.00	5.74	115	70 - 130	
Fluorene	5.00	5.75	115	70 - 130	
Hexachlorobenzene	5.00	5.55	111	70 - 130	
Hexachlorobutadiene	5.00	6.00	120	70 - 130	
Hexachloroethane	5.00	5.14	103	70 - 130	
Indeno[1,2,3-cd]pyrene	5.00	5.51	110	70 - 130	
Isophorone	5.00	5.49	110	70 - 130	
2-Methylnaphthalene	5.00	5.63	113	70 - 130	
2-Methylphenol	5.00	5.32	106	70 - 130	
3 & 4 Methylphenol	5.00	5.23	105	70 - 130	
Naphthalene	5.00	5.51	110	70 - 130	
2-Nitroaniline	5.00	5.78	116	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Method Reporting Limit Check - Batch: 240-68962 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-68962/10	Analysis Batch:	240-68962	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21217010.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/17/2012 1315	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
3-Nitroaniline	5.00	5.83	117	70 - 130	
4-Nitroaniline	5.00	5.43	109	70 - 130	
Nitrobenzene	5.00	5.46	109	70 - 130	
2-Nitrophenol	5.00	5.55	111	70 - 130	
4-Nitrophenol	5.00	6.65	133	70 - 130	^
N-Nitrosodi-n-propylamine	5.00	5.26	105	70 - 130	
N-Nitrosodiphenylamine	5.00	5.36	107	70 - 130	
Pentachlorophenol	10.0	11.6	116	70 - 130	
Phenanthrene	5.00	5.46	109	70 - 130	
Phenol	5.00	5.29	106	70 - 130	
Pyrene	5.00	5.48	110	70 - 130	
1,2,4-Trichlorobenzene	5.00	5.64	113	70 - 130	
2,4,5-Trichlorophenol	5.00	5.98	120	70 - 130	
2,4,6-Trichlorophenol	5.00	5.96	119	70 - 130	

Surrogate	% Rec		Acceptance Limits
2-Fluorobiphenyl (Surr)	110		70 - 130
2-Fluorophenol (Surr)	102		50 - 150
Nitrobenzene-d5 (Surr)	109		50 - 150
Phenol-d5 (Surr)	105		50 - 150
Terphenyl-d14 (Surr)	110		50 - 150
2,4,6-Tribromophenol (Surr)	127	Q	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Method Blank - Batch: 240-70003

Method: 8270C/DoD
Preparation: 3520C

Lab Sample ID:	MB 240-70003/22-A	Analysis Batch:	240-70566	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	240-70003	Lab File ID:	21229004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	12/29/2012 1215	Units:	mg/L	Final Weight/Volume:	2 mL
Prep Date:	12/24/2012 1026			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Pyridine	0.00080	U	0.00035	0.020
1,4-Dichlorobenzene	0.00080	U	0.00034	0.0040
2,4-Dinitrotoluene	0.00080	U	0.00027	0.020
Hexachlorobenzene	0.00010	U	0.00010	0.020
Hexachlorobutadiene	0.00080	U	0.00027	0.020
Hexachloroethane	0.00080	U	0.00080	0.020
2-Methylphenol	0.00080	U	0.00080	0.0040
3 & 4 Methylphenol	0.00080	U	0.00075	0.040
Nitrobenzene	0.00010	U	0.000040	0.0040
Pentachlorophenol	0.0024	U	0.0024	0.040
2,4,5-Trichlorophenol	0.00080	U	0.00030	0.020
2,4,6-Trichlorophenol	0.00080	U	0.00080	0.020

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	58	22 - 110
2-Fluorophenol (Surr)	29	10 - 110
Nitrobenzene-d5 (Surr)	69	29 - 111
Phenol-d5 (Surr)	67	10 - 110
Terphenyl-d14 (Surr)	72	40 - 119
2,4,6-Tribromophenol (Surr)	76	17 - 117

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Lab Control Sample - Batch: 240-70003

Method: 8270C/DoD
Preparation: 3520C

Lab Sample ID:	LCS 240-70003/23-A	Analysis Batch:	240-70566	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	240-70003	Lab File ID:	21229005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	12/29/2012 1239	Units:	mg/L	Final Weight/Volume:	2 mL
Prep Date:	12/24/2012 1026			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Pyridine	0.0800	0.0608	76	10 - 110	M
1,4-Dichlorobenzene	0.0800	0.0565	71	16 - 110	
2,4-Dinitrotoluene	0.0800	0.0554	69	45 - 126	
Hexachlorobenzene	0.0800	0.0519	65	47 - 116	
Hexachlorobutadiene	0.0800	0.0416	52	10 - 110	
Hexachloroethane	0.0800	0.0455	57	10 - 110	
2-Methylphenol	0.0800	0.0635	79	24 - 110	
3 & 4 Methylphenol	0.160	0.133	83	27 - 110	
Nitrobenzene	0.0800	0.0550	69	35 - 117	
Pentachlorophenol	0.0800	0.0522	65	12 - 110	
2,4,5-Trichlorophenol	0.0800	0.0633	79	35 - 111	
2,4,6-Trichlorophenol	0.0800	0.0636	79	32 - 110	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	58	22 - 110
2-Fluorophenol (Surr)	49	10 - 110
Nitrobenzene-d5 (Surr)	69	29 - 111
Phenol-d5 (Surr)	74	10 - 110
Terphenyl-d14 (Surr)	69	40 - 119
2,4,6-Tribromophenol (Surr)	77	17 - 117

Method Reporting Limit Check - Batch: 240-70566 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-70566/3	Analysis Batch:	240-70566	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21229003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/29/2012 1150	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Pyridine	5.00	5.39	108	70 - 130	M
1,4-Dichlorobenzene	5.00	5.14	103	70 - 130	
2,4-Dinitrotoluene	5.00	5.52	110	70 - 130	
Hexachlorobenzene	5.00	4.91	98	70 - 130	
Hexachlorobutadiene	5.00	5.11	102	70 - 130	
Hexachloroethane	5.00	5.35	107	70 - 130	
2-Methylphenol	5.00	5.29	106	70 - 130	
3 & 4 Methylphenol	5.00	5.14	103	70 - 130	
Nitrobenzene	5.00	5.18	104	70 - 130	
Pentachlorophenol	10.0	8.72	87	70 - 130	
2,4,5-Trichlorophenol	5.00	5.01	100	70 - 130	
2,4,6-Trichlorophenol	5.00	5.42	108	70 - 130	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	95	50 - 150
2-Fluorophenol (Surr)	103	50 - 150
Nitrobenzene-d5 (Surr)	107	50 - 150
Phenol-d5 (Surr)	106	50 - 150
Terphenyl-d14 (Surr)	100	50 - 150
2,4,6-Tribromophenol (Surr)	109	50 - 150

Method Reporting Limit Check - Batch: 240-70566 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-70566/13	Analysis Batch:	240-70566	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21229013.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/29/2012 1645	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Pyridine	5.00	5.56	111	70 - 130	M
1,4-Dichlorobenzene	5.00	5.25	105	70 - 130	
2,4-Dinitrotoluene	5.00	5.10	102	70 - 130	
Hexachlorobenzene	5.00	4.90	98	70 - 130	
Hexachlorobutadiene	5.00	4.96	99	70 - 130	
Hexachloroethane	5.00	5.83	117	70 - 130	
2-Methylphenol	5.00	5.70	114	70 - 130	
3 & 4 Methylphenol	5.00	5.43	109	70 - 130	
Nitrobenzene	5.00	4.92	98	70 - 130	
Pentachlorophenol	10.0	4.10	41	70 - 130	^
2,4,5-Trichlorophenol	5.00	4.86	97	70 - 130	
2,4,6-Trichlorophenol	5.00	5.03	101	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Method Reporting Limit Check - Batch: 240-70566

Method: 8270C/DoD
Preparation: N/A

Lab Sample ID:	MRL 240-70566/13	Analysis Batch:	240-70566	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21229013.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/29/2012 1645	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual

Surrogate	% Rec		Acceptance Limits
2-Fluorobiphenyl (Surr)	99		50 - 150
2-Fluorophenol (Surr)	112	Q	50 - 150
Nitrobenzene-d5 (Surr)	98		50 - 150
Phenol-d5 (Surr)	109		50 - 150
Terphenyl-d14 (Surr)	99		50 - 150
2,4,6-Tribromophenol (Surr)	112		50 - 150

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Method Blank - Batch: 240-69738

Method: 8015B
Preparation: 5030B

Lab Sample ID:	MB 240-69738/36	Analysis Batch:	240-69738	Instrument ID:	YPID
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	YF122136.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/22/2012 0846	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/22/2012 0846			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
C6-C12	50	U	25	100

Surrogate	% Rec	Acceptance Limits
Trifluorotoluene (Surr)	76	10 - 150

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Method Reporting Limit Check - Batch: 240-69738

Method: 8015B
Preparation: 5030B

Lab Sample ID:	MRL 240-69738/35	Analysis Batch:	240-69738	Instrument ID:	YPID
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	YF122135.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/22/2012 0808	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/22/2012 0808			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
C6-C12	100	78.6	79	70 - 130	J

Surrogate	% Rec	Acceptance Limits
Trifluorotoluene (Surr)	85	70 - 130

Lab Control Sample - Batch: 240-69738

Method: 8015B
Preparation: 5030B

Lab Sample ID:	LCS 240-69738/37	Analysis Batch:	240-69738	Instrument ID:	YPID
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	YF122137.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/22/2012 0924	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/22/2012 0924			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
C6-C12	800	830	104	72 - 140	

Surrogate	% Rec	Acceptance Limits
Trifluorotoluene (Surr)	92	10 - 150

Method Reporting Limit Check - Batch: 240-69738

Method: 8015B
Preparation: 5030B

Lab Sample ID:	MRL 240-69738/51	Analysis Batch:	240-69738	Instrument ID:	YPID
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	YF122151.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/22/2012 1814	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/22/2012 1814			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
C6-C12	100	115	115	70 - 130	

Surrogate	% Rec	Acceptance Limits
Trifluorotoluene (Surr)	85	70 - 130

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Method Blank - Batch: 240-68549

Method: 8015B_DRO/DOD
Preparation: 3520C

Lab Sample ID:	MB 240-68549/15-A	Analysis Batch:	240-68949	Instrument ID:	A2HP5F
Client Matrix:	Water	Prep Batch:	240-68549	Lab File ID:	P5F10006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	12/17/2012 1433	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/13/2012 1126			Injection Volume:	1 uL
Leach Date:	N/A				

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

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

Lab Control Sample - Batch: 240-68549

Method: 8015B_DRO/DOD
Preparation: 3520C

Lab Sample ID:	LCS 240-68549/16-A	Analysis Batch:	240-68949	Instrument ID:	A2HP5F
Client Matrix:	Water	Prep Batch:	240-68549	Lab File ID:	P5F10007.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	12/17/2012 1503	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/13/2012 1126			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Diesel	2500	2320	93	36 - 124	

Surrogate	% Rec	Acceptance Limits
n-Nonane	74	10 - 110

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Method Reporting Limit Check - Batch: 240-68949

Method: 8015B_DRO/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-68949/4	Analysis Batch:	240-68949	Instrument ID:	A2HP5F
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P5F10004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/17/2012 1332	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Diesel	100	98.5	99	70 - 130	J

Surrogate	% Rec	Acceptance Limits
n-Nonane	74	70 - 130

Method Reporting Limit Check - Batch: 240-68949

Method: 8015B_DRO/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-68949/23	Analysis Batch:	240-68949	Instrument ID:	A2HP5F
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P5F10023.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/17/2012 2305	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Diesel	100	108	108	70 - 130	

Surrogate	% Rec	Acceptance Limits
n-Nonane	78	70 - 130

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Method Blank - Batch: 240-68554

Method: 8081/DOD
Preparation: 3520C

Lab Sample ID:	MB 240-68554/4-A	Analysis Batch:	240-69152	Instrument ID:	A2HP9
Client Matrix:	Water	Prep Batch:	240-68554	Lab File ID:	P9121813.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	12/18/2012 1409	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/13/2012 1140			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

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

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	77	30 - 135
Tetrachloro-m-xylene	82	25 - 140

Surrogate	% Rec		Acceptance Limits
DCB Decachlorobiphenyl	75	M	30 - 135
Tetrachloro-m-xylene	77		25 - 140

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Lab Control Sample - Batch: 240-68554

Method: 8081/DOD
Preparation: 3520C

Lab Sample ID:	LCS 240-68554/5-A	Analysis Batch:	240-69152	Instrument ID:	A2HP9
Client Matrix:	Water	Prep Batch:	240-68554	Lab File ID:	P9121809.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	12/18/2012 1218	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/13/2012 1140			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.500	0.409	82	25 - 150	
4,4'-DDE	0.500	0.378	76	35 - 140	
4,4'-DDT	0.500	0.391	78	45 - 140	
Aldrin	0.500	0.362	72	25 - 140	
alpha-BHC	0.500	0.373	75	60 - 130	
alpha-Chlordane	0.500	0.363	73	65 - 125	
beta-BHC	0.500	0.369	74	65 - 125	
delta-BHC	0.500	0.382	76	45 - 135	
Dieldrin	0.500	0.388	78	60 - 130	
Endosulfan I	0.500	0.330	66	50 - 110	
Endosulfan II	0.500	0.347	69	30 - 130	
Endosulfan sulfate	0.500	0.378	76	55 - 135	
Endrin	0.500	0.389	78	55 - 135	
Endrin aldehyde	0.500	0.380	76	55 - 135	
Endrin ketone	0.500	0.391	78	75 - 125	
gamma-BHC (Lindane)	0.500	0.378	76	25 - 135	
gamma-Chlordane	0.500	0.380	76	60 - 125	
Heptachlor	0.500	0.381	76	40 - 130	
Heptachlor epoxide	0.500	0.384	77	60 - 130	
Methoxychlor	0.500	0.377	75	55 - 150	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	39	30 - 135
Tetrachloro-m-xylene	76	25 - 140

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	41	30 - 135
Tetrachloro-m-xylene	79	25 - 140

Method Reporting Limit Check - Batch: 240-69152 **Method: 8081/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-69152/8	Analysis Batch:	240-69152	Instrument ID:	A2HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P9121808.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/18/2012 1151	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.00500	0.00581	116	70 - 130	
4,4'-DDE	0.00500	0.00545	109	70 - 130	
4,4'-DDT	0.00500	0.00506	101	70 - 130	
Aldrin	0.00500	0.00539	108	70 - 130	
alpha-BHC	0.00500	0.00519	104	70 - 130	
alpha-Chlordane	0.00500	0.00565	113	70 - 130	
beta-BHC	0.00500	0.00589	118	70 - 130	
delta-BHC	0.00500	0.00528	106	70 - 130	
Dieldrin	0.00500	0.00577	115	70 - 130	
Endosulfan I	0.00500	0.00609	122	70 - 130	
Endosulfan II	0.00500	0.00597	119	70 - 130	
Endosulfan sulfate	0.00500	0.00585	117	70 - 130	
Endrin	0.00500	0.00614	123	70 - 130	
Endrin aldehyde	0.00500	0.00595	119	70 - 130	
Endrin ketone	0.00500	0.00593	119	70 - 130	
gamma-BHC (Lindane)	0.00500	0.00546	109	70 - 130	
gamma-Chlordane	0.00500	0.00566	113	70 - 130	
Heptachlor	0.00500	0.00599	120	70 - 130	
Heptachlor epoxide	0.00500	0.00592	118	70 - 130	
Methoxychlor	0.00500	0.00558	112	70 - 130	J

Method Reporting Limit Check - Batch: 240-69152 **Method: 8081/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-69152/8	Analysis Batch:	240-69152	Instrument ID:	A2HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P9121808.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/18/2012 1151	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.00500	0.00634	127	70 - 130	
4,4'-DDE	0.00500	0.00597	119	70 - 130	
4,4'-DDT	0.00500	0.00505	101	70 - 130	
Aldrin	0.00500	0.00579	116	70 - 130	
alpha-BHC	0.00500	0.00531	106	70 - 130	
alpha-Chlordane	0.00500	0.00641	128	70 - 130	
beta-BHC	0.00500	0.00677	135	70 - 130	^
delta-BHC	0.00500	0.00568	114	70 - 130	
Dieldrin	0.00500	0.00638	128	70 - 130	
Endosulfan I	0.00500	0.00685	137	70 - 130	^
Endosulfan II	0.00500	0.00625	125	70 - 130	
Endosulfan sulfate	0.00500	0.00611	122	70 - 130	

Method Reporting Limit Check - Batch: 240-69152 **Method: 8081/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-69152/8	Analysis Batch:	240-69152	Instrument ID:	A2HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P9121808.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/18/2012 1151	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Endrin	0.00500	0.00648	130	70 - 130	
Endrin aldehyde	0.00500	0.00646	129	70 - 130	
Endrin ketone	0.00500	0.00589	118	70 - 130	
gamma-BHC (Lindane)	0.00500	0.00591	118	70 - 130	
gamma-Chlordane	0.00500	0.00637	127	70 - 130	
Heptachlor	0.00500	0.00669	134	70 - 130	^
Heptachlor epoxide	0.00500	0.00655	131	70 - 130	^
Methoxychlor	0.00500	0.00529	106	70 - 130	J

Method Reporting Limit Check - Batch: 240-69152 **Method: 8081/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-69152/22	Analysis Batch:	240-69152	Instrument ID:	A2HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P9121822.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/18/2012 1817	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.00500	0.00506	101	70 - 130	
4,4'-DDE	0.00500	0.00492	98	70 - 130	J
4,4'-DDT	0.00500	0.00437	87	70 - 130	J
Aldrin	0.00500	0.00481	96	70 - 130	J
alpha-BHC	0.00500	0.00463	93	70 - 130	J
alpha-Chlordane	0.00500	0.00491	98	70 - 130	J
beta-BHC	0.00500	0.00513	103	70 - 130	
delta-BHC	0.00500	0.00465	93	70 - 130	J
Dieldrin	0.00500	0.00499	100	70 - 130	J
Endosulfan I	0.00500	0.00533	107	70 - 130	
Endosulfan II	0.00500	0.00514	103	70 - 130	
Endosulfan sulfate	0.00500	0.00503	101	70 - 130	
Endrin	0.00500	0.00530	106	70 - 130	
Endrin aldehyde	0.00500	0.00519	104	70 - 130	
Endrin ketone	0.00500	0.00512	102	70 - 130	
gamma-BHC (Lindane)	0.00500	0.00480	96	70 - 130	J
gamma-Chlordane	0.00500	0.00492	98	70 - 130	J
Heptachlor	0.00500	0.00526	105	70 - 130	
Heptachlor epoxide	0.00500	0.00510	102	70 - 130	
Methoxychlor	0.00500	0.00467	93	70 - 130	J

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Method Reporting Limit Check - Batch: 240-69152

Method: 8081/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-69152/22	Analysis Batch:	240-69152	Instrument ID:	A2HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P9121822.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/18/2012 1817	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.00500	0.00530	106	70 - 130	
4,4'-DDE	0.00500	0.00520	104	70 - 130	
4,4'-DDT	0.00500	0.00420	84	70 - 130	J
Aldrin	0.00500	0.00496	99	70 - 130	J
alpha-BHC	0.00500	0.00457	91	70 - 130	J
alpha-Chlordane	0.00500	0.00540	108	70 - 130	
beta-BHC	0.00500	0.00564	113	70 - 130	
delta-BHC	0.00500	0.00484	97	70 - 130	J
Dieldrin	0.00500	0.00537	107	70 - 130	
Endosulfan I	0.00500	0.00582	116	70 - 130	
Endosulfan II	0.00500	0.00522	104	70 - 130	
Endosulfan sulfate	0.00500	0.00505	101	70 - 130	
Endrin	0.00500	0.00543	109	70 - 130	
Endrin aldehyde	0.00500	0.00541	108	70 - 130	
Endrin ketone	0.00500	0.00477	95	70 - 130	J
gamma-BHC (Lindane)	0.00500	0.00499	100	70 - 130	J
gamma-Chlordane	0.00500	0.00534	107	70 - 130	
Heptachlor	0.00500	0.00566	113	70 - 130	
Heptachlor epoxide	0.00500	0.00550	110	70 - 130	
Methoxychlor	0.00500	0.00438	88	70 - 130	J

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Method Blank - Batch: 240-70005

Method: 8081/DOD
Preparation: 3520C

Lab Sample ID:	MB 240-70005/5-A	Analysis Batch:	240-71174	Instrument ID:	A2HP9
Client Matrix:	Water	Prep Batch:	240-70005	Lab File ID:	P9010612.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	01/06/2013 2049	Units:	mg/L	Final Weight/Volume:	3 mL
Prep Date:	12/24/2012 1033			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
Chlordane (technical)	0.000079	U	0.000079	0.030
Endrin	0.000026	U	0.000026	0.010
gamma-BHC (Lindane)	0.000024	U	0.000015	0.010
Heptachlor	0.000024	U	0.000019	0.010
Heptachlor epoxide	0.000024	U	0.000017	0.010
Methoxychlor	0.000077	U	0.000077	0.030

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	74	44 - 144
Tetrachloro-m-xylene	65	44 - 127

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	70	44 - 144
Tetrachloro-m-xylene	65	44 - 127

Lab Control Sample - Batch: 240-70005

Method: 8081/DOD
Preparation: 3520C

Lab Sample ID:	LCS 240-70005/4-A	Analysis Batch:	240-71174	Instrument ID:	A2HP9
Client Matrix:	Water	Prep Batch:	240-70005	Lab File ID:	P9010613.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	01/06/2013 2116	Units:	mg/L	Final Weight/Volume:	3 mL
Prep Date:	12/24/2012 1033			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Endrin	0.00200	0.00182	91	56 - 144	J D
gamma-BHC (Lindane)	0.00200	0.00170	85	60 - 139	J D
Heptachlor	0.00200	0.00170	85	65 - 123	J D
Heptachlor epoxide	0.00200	0.00203	102	62 - 141	J D
Methoxychlor	0.00400	0.00323	81	52 - 138	J D

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	72	44 - 144
Tetrachloro-m-xylene	78	44 - 127

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	69	44 - 144
Tetrachloro-m-xylene	77	44 - 127

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Matrix Spike - Batch: 240-70005

Method: 8081/DOD
Preparation: 3520C
TCLP

Lab Sample ID:	240-18735-6	Analysis Batch:	240-71174	Instrument ID:	A2HP9
Client Matrix:	Solid	Prep Batch:	240-70005	Lab File ID:	P9010611.D
Dilution:	5.0	Leach Batch:	240-69294	Initial Weight/Volume:	250 mL
Analysis Date:	01/06/2013 2023	Units:	mg/L	Final Weight/Volume:	3 mL
Prep Date:	12/24/2012 1033			Injection Volume:	1 uL
Leach Date:	12/18/2012 1910			Column ID:	PRIMARY

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Endrin	0.000026	U	0.00200	0.00178	89	50 - 150	J D
gamma-BHC (Lindane)	0.000024	U	0.00200	0.00160	80	50 - 150	J D
Heptachlor	0.000024	U	0.00200	0.00174	87	50 - 150	J D
Heptachlor epoxide	0.000024	U	0.00200	0.00195	98	50 - 150	J D
Methoxychlor	0.000077	U	0.00400	0.00310	77	50 - 150	J D

Surrogate	% Rec		Acceptance Limits
DCB Decachlorobiphenyl	18	Q	44 - 144
Tetrachloro-m-xylene	88		44 - 127

Surrogate	% Rec		Acceptance Limits
DCB Decachlorobiphenyl	18	Q	44 - 144
Tetrachloro-m-xylene	82		44 - 127

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Method Reporting Limit Check - Batch: 240-71174 **Method: 8081/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-71174/8	Analysis Batch:	240-71174	Instrument ID:	A2HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P9010608.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	01/06/2013 1907	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Endrin	0.00500	0.00565	113	70 - 130	
gamma-BHC (Lindane)	0.00500	0.00497	99	70 - 130	
Heptachlor	0.00500	0.00557	111	70 - 130	
Heptachlor epoxide	0.00500	0.00550	110	70 - 130	
Methoxychlor	0.00500	0.00362	72	70 - 130	

Method Reporting Limit Check - Batch: 240-71174 **Method: 8081/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-71174/8	Analysis Batch:	240-71174	Instrument ID:	A2HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P9010608.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	01/06/2013 1907	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Endrin	0.00500	0.00557	111	70 - 130	
gamma-BHC (Lindane)	0.00500	0.00485	97	70 - 130	
Heptachlor	0.00500	0.00592	118	70 - 130	
Heptachlor epoxide	0.00500	0.00559	112	70 - 130	
Methoxychlor	0.00500	0.00413	83	70 - 130	

Method Reporting Limit Check - Batch: 240-71174 **Method: 8081/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-71174/21	Analysis Batch:	240-71174	Instrument ID:	A2HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P9010621.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	01/07/2013 0052	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Endrin	0.00500	0.00556	111	70 - 130	
gamma-BHC (Lindane)	0.00500	0.00430	86	70 - 130	
Heptachlor	0.00500	0.00573	115	70 - 130	
Heptachlor epoxide	0.00500	0.00584	117	70 - 130	
Methoxychlor	0.00500	0.00460	92	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Method Reporting Limit Check - Batch: 240-71174

Method: 8081/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-71174/21	Analysis Batch:	240-71174	Instrument ID:	A2HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P9010621.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	01/07/2013 0052	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Endrin	0.00500	0.00547	109	70 - 130	
gamma-BHC (Lindane)	0.00500	0.00417	83	70 - 130	
Heptachlor	0.00500	0.00599	120	70 - 130	
Heptachlor epoxide	0.00500	0.00572	114	70 - 130	
Methoxychlor	0.00500	0.00421	84	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Method Blank - Batch: 240-68553

Method: 8082/DOD
Preparation: 3520C

Lab Sample ID:	MB 240-68553/4-A	Analysis Batch:	240-69119	Instrument ID:	A2HP13
Client Matrix:	Water	Prep Batch:	240-68553	Lab File ID:	P1300008.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	12/18/2012 0941	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/13/2012 1137			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
Aroclor-1221	0.20	U	0.13	0.50
Aroclor-1016	0.20	U	0.17	0.50
Aroclor-1232	0.20	U	0.16	0.50
Aroclor-1242	0.40	U	0.22	0.50
Aroclor-1248	0.20	U	0.10	0.50
Aroclor-1254	0.20	U	0.16	0.50
Aroclor-1260	0.20	U	0.17	0.50

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	89	40 - 140
DCB Decachlorobiphenyl	76	40 - 135

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	78	40 - 140
DCB Decachlorobiphenyl	73	40 - 135

Lab Control Sample - Batch: 240-68553

Method: 8082/DOD
Preparation: 3520C

Lab Sample ID:	LCS 240-68553/5-A	Analysis Batch:	240-69119	Instrument ID:	A2HP13
Client Matrix:	Water	Prep Batch:	240-68553	Lab File ID:	P1300009.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	12/18/2012 0956	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/13/2012 1137			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	5.00	4.56	91	25 - 145	
Aroclor-1260	5.00	4.06	81	30 - 145	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	90	40 - 140
DCB Decachlorobiphenyl	70	40 - 135

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	79	40 - 140
DCB Decachlorobiphenyl	67	40 - 135

Method Reporting Limit Check - Batch: 240-69119 **Method: 8082/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-69119/4	Analysis Batch:	240-69119	Instrument ID:	A2HP13
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P1300004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/18/2012 0841	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	0.0500	0.0630	126	70 - 130	
Aroclor-1260	0.0500	0.0440	88	70 - 130	J

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	116	50 - 150
DCB Decachlorobiphenyl	95	50 - 150

Method Reporting Limit Check - Batch: 240-69119 **Method: 8082/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-69119/4	Analysis Batch:	240-69119	Instrument ID:	A2HP13
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P1300004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/18/2012 0841	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	0.0500	0.0579	116	70 - 130	
Aroclor-1260	0.0500	0.0514	103	70 - 130	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	132	50 - 150
DCB Decachlorobiphenyl	99	50 - 150

Method Reporting Limit Check - Batch: 240-69119 **Method: 8082/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-69119/11	Analysis Batch:	240-69119	Instrument ID:	A2HP13
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P1300011.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/18/2012 1026	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	0.0500	0.0567	113	70 - 130	
Aroclor-1260	0.0500	0.0457	91	70 - 130	J

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	112	50 - 150
DCB Decachlorobiphenyl	101	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Method Reporting Limit Check - Batch: 240-69119

Method: 8082/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-69119/11	Analysis Batch:	240-69119	Instrument ID:	A2HP13
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P1300011.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/18/2012 1026	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	0.0500	0.0565	113	70 - 130	
Aroclor-1260	0.0500	0.0504	101	70 - 130	

Surrogate	% Rec		Acceptance Limits
Tetrachloro-m-xylene	146	Q	50 - 150
DCB Decachlorobiphenyl	106		50 - 150

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Method Blank - Batch: 240-69372

Method: 8151/DOD
Preparation: 8151A

Lab Sample ID:	MB 240-69372/21-A	Analysis Batch:	240-70037	Instrument ID:	A2HP1
Client Matrix:	Water	Prep Batch:	240-69372	Lab File ID:	P1000017.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	500 mL
Analysis Date:	12/24/2012 2111	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	12/19/2012 0951			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
2,4-D	0.50	U	0.41	4.0
Dalapon	0.20	U	0.17	2.0
2,4-DB	1.0	U	0.69	4.0
Dicamba	1.0	U	0.52	2.0
Dichlorprop	1.0	U	0.86	4.0
Dinoseb	0.20	U	0.087	0.60
MCPA	400	U	390	400
MCPP	400	U	400	400
Pentachlorophenol	0.040	U	0.024	0.10
Silvex (2,4,5-TP)	0.20	U	0.20	1.0
2,4,5-T	0.50	U	0.30	1.0

Surrogate	% Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	74	32 - 112

Surrogate	% Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	86	32 - 112

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Lab Control Sample - Batch: 240-69372

Method: 8151/DOD
Preparation: 8151A

Lab Sample ID:	LCS 240-69372/22-A	Analysis Batch:	240-70037	Instrument ID:	A2HP1
Client Matrix:	Water	Prep Batch:	240-69372	Lab File ID:	P1000029.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	500 mL
Analysis Date:	12/25/2012 0153	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	12/19/2012 0951			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2,4-D	40.0	36.7	92	35 - 115	
Dalapon	20.0	13.7	68	40 - 110	
2,4-DB	40.0	35.1	88	45 - 130	
Dicamba	20.0	17.6	88	60 - 110	
Dichlorprop	40.0	43.9	110	70 - 120	
Dinoseb	6.00	4.33	72	20 - 110	
MCPA	4000	3570	89	60 - 145	
Silvex (2,4,5-TP)	10.0	8.89	89	50 - 115	
2,4,5-T	10.0	8.89	89	35 - 110	

Surrogate	% Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	87	32 - 112

Surrogate	% Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	93	32 - 112

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Method Blank - Batch: 240-70010

Method: 8151/DOD
Preparation: 8151A

Lab Sample ID:	MB 240-70010/4-A	Analysis Batch:	240-70766	Instrument ID:	A2HP1
Client Matrix:	Water	Prep Batch:	240-70010	Lab File ID:	P1000032.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	01/01/2013 0127	Units:	mg/L	Final Weight/Volume:	10 mL
Prep Date:	12/24/2012 1038			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
2,4-D	0.00025	U	0.00021	0.25
Silvex (2,4,5-TP)	0.00010	U	0.00010	0.050

Surrogate	% Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	86	37 - 116

Surrogate	% Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	79	37 - 116

Lab Control Sample - Batch: 240-70010

Method: 8151/DOD
Preparation: 8151A

Lab Sample ID:	LCS 240-70010/5-A	Analysis Batch:	240-70766	Instrument ID:	A2HP1
Client Matrix:	Water	Prep Batch:	240-70010	Lab File ID:	P1000033.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	01/01/2013 0151	Units:	mg/L	Final Weight/Volume:	10 mL
Prep Date:	12/24/2012 1038			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2,4-D	0.0200	0.0154	77	35 - 136	J
Silvex (2,4,5-TP)	0.00500	0.00464	93	46 - 112	J

Surrogate	% Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	73	37 - 116

Surrogate	% Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	78	37 - 116

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Matrix Spike - Batch: 240-70010

Method: 8151/DOD
Preparation: 8151A
TCLP

Lab Sample ID:	240-18735-5	Analysis Batch:	240-70766	Instrument ID:	A2HP1
Client Matrix:	Solid	Prep Batch:	240-70010	Lab File ID:	P1000030.D
Dilution:	1.0	Leach Batch:	240-69294	Initial Weight/Volume:	100 mL
Analysis Date:	01/01/2013 0041	Units:	mg/L	Final Weight/Volume:	10 mL
Prep Date:	12/24/2012 1038			Injection Volume:	1 uL
Leach Date:	12/18/2012 1910			Column ID:	PRIMARY

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
2,4-D	0.00025	U	0.0200	0.0148	74	54 - 114	J
Silvex (2,4,5-TP)	0.00010	U	0.00500	0.00429	86	52 - 124	J

Surrogate	% Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	76	37 - 116

Surrogate	% Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	70	37 - 116

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Method Reporting Limit Check - Batch: 240-70037

Method: 8151/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-70037/7	Analysis Batch:	240-70037	Instrument ID:	A2HP1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P1000007.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/24/2012 1716	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2,4-D	0.0200	0.0211	106	70 - 130	
Dalapon	0.0100	0.0115	115	70 - 130	
2,4-DB	0.0200	0.0190	95	70 - 130	
Dicamba	0.0100	0.0120	120	70 - 130	
Dichlorprop	0.0200	0.0254	127	70 - 130	
Dinoseb	0.00300	0.00328	109	70 - 130	
MCPA	2.00	1.08	54	70 - 130	^
Silvex (2,4,5-TP)	0.00500	0.00530	106	70 - 130	
2,4,5-T	0.00500	0.00469	94	70 - 130	

Surrogate	% Rec		Acceptance Limits
2,4-Dichlorophenylacetic acid	121	Q	32 - 112

Method Reporting Limit Check - Batch: 240-70037

Method: 8151/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-70037/7	Analysis Batch:	240-70037	Instrument ID:	A2HP1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P1000007.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/24/2012 1716	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2,4-D	0.0200	0.0212	106	70 - 130	
Dalapon	0.0100	0.0120	120	70 - 130	
2,4-DB	0.0200	0.00331	17	70 - 130	J ^
Dicamba	0.0100	0.0116	116	70 - 130	
Dichlorprop	0.0200	0.0239	119	70 - 130	
Dinoseb	0.00300	0.00324	108	70 - 130	M
MCPA	2.00	1.06	53	70 - 130	^
Silvex (2,4,5-TP)	0.00500	0.00536	107	70 - 130	
2,4,5-T	0.00500	0.00516	103	70 - 130	

Surrogate	% Rec		Acceptance Limits
2,4-Dichlorophenylacetic acid	122	Q	32 - 112

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Method Reporting Limit Check - Batch: 240-70037

Method: 8151/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-70037/32	Analysis Batch:	240-70037	Instrument ID:	A2HP1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P1000032.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/25/2012 0304	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2,4-D	0.0200	0.0219	110	70 - 130	
Dalapon	0.0100	0.0114	114	70 - 130	
2,4-DB	0.0200	0.0202	101	70 - 130	
Dicamba	0.0100	0.0124	124	70 - 130	
Dichlorprop	0.0200	0.0262	131	70 - 130	^
Dinoseb	0.00300	0.00358	119	70 - 130	
MCPA	2.00	1.30	65	70 - 130	^
Silvex (2,4,5-TP)	0.00500	0.00547	109	70 - 130	
2,4,5-T	0.00500	0.00495	99	70 - 130	

Surrogate	% Rec		Acceptance Limits
2,4-Dichlorophenylacetic acid	128	Q	32 - 112

Method Reporting Limit Check - Batch: 240-70037

Method: 8151/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-70037/32	Analysis Batch:	240-70037	Instrument ID:	A2HP1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P1000032.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/25/2012 0304	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2,4-D	0.0200	0.0235	117	70 - 130	
Dalapon	0.0100	0.0127	127	70 - 130	
2,4-DB	0.0200	0.0220	110	70 - 130	
Dicamba	0.0100	0.0118	118	70 - 130	
Dichlorprop	0.0200	0.0255	128	70 - 130	
Dinoseb	0.00300	0.00351	117	70 - 130	M
MCPA	2.00	1.33	67	70 - 130	^
Silvex (2,4,5-TP)	0.00500	0.00565	113	70 - 130	
2,4,5-T	0.00500	0.00545	109	70 - 130	

Surrogate	% Rec		Acceptance Limits
2,4-Dichlorophenylacetic acid	126	Q	32 - 112

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Method Reporting Limit Check - Batch: 240-70766 **Method: 8151/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-70766/23	Analysis Batch:	240-70766	Instrument ID:	A2HP1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P1000023.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/31/2012 2156	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2,4-D	0.0200	0.0187	93	70 - 130	J
Silvex (2,4,5-TP)	0.00500	0.00470	94	70 - 130	J

Surrogate	% Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	105	37 - 116

Method Reporting Limit Check - Batch: 240-70766 **Method: 8151/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-70766/23	Analysis Batch:	240-70766	Instrument ID:	A2HP1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P1000023.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/31/2012 2156	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2,4-D	0.0200	0.0177	88	70 - 130	J
Silvex (2,4,5-TP)	0.00500	0.00474	95	70 - 130	J

Surrogate	% Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	107	37 - 116

Method Reporting Limit Check - Batch: 240-70766 **Method: 8151/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-70766/42	Analysis Batch:	240-70766	Instrument ID:	A2HP1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P1000042.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	01/01/2013 0522	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2,4-D	0.0200	0.0217	109	70 - 130	J
Silvex (2,4,5-TP)	0.00500	0.00530	106	70 - 130	J

Surrogate	% Rec		Acceptance Limits
2,4-Dichlorophenylacetic acid	120	Q	37 - 116

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Method Reporting Limit Check - Batch: 240-70766

Method: 8151/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-70766/42	Analysis Batch:	240-70766	Instrument ID:	A2HP1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P1000042.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	01/01/2013 0522	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2,4-D	0.0200	0.0218	109	70 - 130	J
Silvex (2,4,5-TP)	0.00500	0.00550	110	70 - 130	J

Surrogate	% Rec		Acceptance Limits
2,4-Dichlorophenylacetic acid	123	Q	37 - 116

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Method Blank - Batch: 320-7807

Method: 8330 Modified
Preparation: Filtration

Lab Sample ID:	MB 320-7807/1-A	Analysis Batch:	320-7855	Instrument ID:	PDA1
Client Matrix:	Water	Prep Batch:	320-7807	Lab File ID:	320-0001969-050-1.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	12/27/2012 0325	Units:	ug/L	Final Weight/Volume:	10 mL
Prep Date:	12/24/2012 1240			Injection Volume:	50 uL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Nitroguanidine	6.0	U	2.4	20

Lab Control Sample - Batch: 320-7807

Method: 8330 Modified
Preparation: Filtration

Lab Sample ID:	LCS 320-7807/2-A	Analysis Batch:	320-7855	Instrument ID:	PDA1
Client Matrix:	Water	Prep Batch:	320-7807	Lab File ID:	320-0001969-052-1.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	12/27/2012 0354	Units:	ug/L	Final Weight/Volume:	10 mL
Prep Date:	12/24/2012 1240			Injection Volume:	50 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitroguanidine	250	255	102	73 - 117	

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Method Blank - Batch: 320-7404

Method: 8330B
Preparation: 8330-Prep

Lab Sample ID:	MB 320-7404/1-A	Analysis Batch:	320-7620	Instrument ID:	LC10
Client Matrix:	Water	Prep Batch:	320-7404	Lab File ID:	S000068.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	12/21/2012 1322	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	12/14/2012 1107			Injection Volume:	500 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
1,3,5-Trinitrobenzene	0.050	U	0.031	0.10
1,3-Dinitrobenzene	0.10	U	0.050	0.10
2,4,6-Trinitrotoluene	0.10	U	0.050	0.10
2,4-Dinitrotoluene	0.10	U	0.050	0.10
2,6-Dinitrotoluene	0.10	U	0.050	0.10
2-Amino-4,6-dinitrotoluene	0.10	U	0.015	0.20
2-Nitrotoluene	0.10	U	0.088	0.50
3-Nitrotoluene	0.10	U	0.057	0.50
4-Nitrotoluene	0.10	U	0.088	0.50
4-Amino-2,6-dinitrotoluene	0.10	U	0.050	0.10
HMX	0.050	U	0.036	0.10
RDX	0.050	U	0.036	0.10
Nitrobenzene	0.10	U	0.050	0.10
Tetryl	0.10	U	0.050	0.10
Nitroglycerin	0.50	U	0.33	0.65
PETN	0.50	U	0.30	0.65

Surrogate	% Rec	Acceptance Limits
3,4-Dinitrotoluene	97	79 - 111

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Lab Control Sample - Batch: 320-7404

Method: 8330B
Preparation: 8330-Prep

Lab Sample ID:	LCS 320-7404/2-A	Analysis Batch:	320-7620	Instrument ID:	LC10
Client Matrix:	Water	Prep Batch:	320-7404	Lab File ID:	S000069.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	12/21/2012 1402	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	12/14/2012 1107			Injection Volume:	500 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,3,5-Trinitrobenzene	1.00	1.05	105	74 - 120	
1,3-Dinitrobenzene	1.00	1.08	108	72 - 123	
2,4,6-Trinitrotoluene	1.00	0.993	99	69 - 111	
2,4-Dinitrotoluene	1.00	1.02	102	70 - 119	
2,6-Dinitrotoluene	1.00	1.01	101	71 - 119	
2-Amino-4,6-dinitrotoluene	1.00	1.04	104	77 - 123	
2-Nitrotoluene	1.00	0.936	94	64 - 120	
3-Nitrotoluene	1.00	0.981	98	67 - 114	
4-Nitrotoluene	1.00	0.982	98	67 - 115	
4-Amino-2,6-dinitrotoluene	1.00	1.05	105	68 - 113	
HMX	1.00	1.04	104	67 - 115	
RDX	1.00	1.10	110	68 - 122	
Nitrobenzene	1.00	1.06	106	69 - 119	
Tetryl	1.00	0.969	97	66 - 105	
Nitroglycerin	5.00	4.97	99	85 - 115	
PETN	5.00	4.53	91	84 - 117	

Surrogate	% Rec	Acceptance Limits
3,4-Dinitrotoluene	97	79 - 111

Client: Environmental Chemical Corp. Job Number: 240-18735-2

TCLP SPLPE Leachate Blank - Batch: 240-69405

Method: 6010B/DOD
Preparation: 3010A
TCLP

Lab Sample ID:	LB 240-69294/1-D	Analysis Batch:	240-71033	Instrument ID:	I9
Client Matrix:	Solid	Prep Batch:	240-69405	Lab File ID:	I9010312A.asc
Dilution:	1.0	Leach Batch:	240-69294	Initial Weight/Volume:	50 mL
Analysis Date:	01/03/2013 1240	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	12/19/2012 1205				
Leach Date:	12/18/2012 1910				

Analyte	Result	Qual	DL	LOQ
Silver	0.0050	U	0.0017	0.50
Arsenic	0.010	U	0.0033	0.50
Barium	0.0050	U	0.0028	10
Cadmium	0.0010	U	0.00039	0.10
Chromium	0.0040	U	0.0014	0.50
Lead	0.0050	U	0.0017	0.50
Selenium	0.00689	J	0.0040	0.25

Method Blank - Batch: 240-69405

Method: 6010B/DOD
Preparation: 3010A

Lab Sample ID:	MB 240-69405/2-A	Analysis Batch:	240-71033	Instrument ID:	I9
Client Matrix:	Water	Prep Batch:	240-69405	Lab File ID:	I9010312A.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	01/03/2013 1245	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	12/19/2012 1205				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Silver	0.0050	U	0.0017	0.50
Arsenic	0.010	U	0.0033	0.50
Barium	0.0050	U	0.0028	10
Cadmium	0.0010	U	0.00039	0.10
Chromium	0.0040	U	0.0014	0.50
Lead	0.0050	U	0.0017	0.50
Selenium	0.010	U	0.0040	0.25

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Lab Control Sample - Batch: 240-69405

Method: 6010B/DOD
Preparation: 3010A

Lab Sample ID:	LCS 240-69405/3-A	Analysis Batch:	240-71033	Instrument ID:	I9
Client Matrix:	Water	Prep Batch:	240-69405	Lab File ID:	I9010312A.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	01/03/2013 1249	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	12/19/2012 1205				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Silver	0.0500	0.0505	101	80 - 120	J
Arsenic	2.00	2.10	105	80 - 120	
Barium	2.00	1.95	98	80 - 120	J
Cadmium	0.0500	0.0499	100	80 - 120	J
Chromium	0.200	0.199	100	80 - 120	J
Lead	0.500	0.469	94	80 - 120	J
Selenium	2.00	2.07	104	80 - 120	

Post Digestion Spike - Batch: 240-69405

Method: 6010B/DOD
Preparation: 3010A
TCLP

Lab Sample ID:	240-18735-5	Analysis Batch:	240-71033	Instrument ID:	I9
Client Matrix:	Solid	Prep Batch:	240-69405	Lab File ID:	I9010312A.asc
Dilution:	1.0	Leach Batch:	240-69294	Initial Weight/Volume:	50 mL
Analysis Date:	01/03/2013 1332	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	12/19/2012 1205				
Leach Date:	12/18/2012 1910				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Silver	0.0050	U	0.100	0.111	111	75 - 125	J
Arsenic	0.0044	J	0.300	0.329	108	75 - 125	J
Barium	0.29	J	0.0500	0.340	102	75 - 125	J
Cadmium	0.0016	J	0.350	0.370	105	75 - 125	
Chromium	0.0024	J	0.200	0.209	103	75 - 125	J
Lead	0.0090	J	0.150	0.151	95	75 - 125	J
Selenium	0.0066	J	0.400	0.438	108	75 - 125	

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-69405

Method: 6010B/DOD
Preparation: 3010A
TCLP

MS Lab Sample ID:	240-18735-5	Analysis Batch:	240-71033	Instrument ID:	I9
Client Matrix:	Solid	Prep Batch:	240-69405	Lab File ID:	I9010312A.asc
Dilution:	5.0	Leach Batch:	240-69294	Initial Weight/Volume:	50 mL
Analysis Date:	01/03/2013 1311			Final Weight/Volume:	50 mL
Prep Date:	12/19/2012 1205				
Leach Date:	12/18/2012 1910				

MSD Lab Sample ID:	240-18735-5	Analysis Batch:	240-71033	Instrument ID:	I9
Client Matrix:	Solid	Prep Batch:	240-69405	Lab File ID:	I9010312A.asc
Dilution:	5.0	Leach Batch:	240-69294	Initial Weight/Volume:	50 mL
Analysis Date:	01/03/2013 1315			Final Weight/Volume:	50 mL
Prep Date:	12/19/2012 1205				
Leach Date:	12/18/2012 1910				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Silver	102	102	80 - 120	1	20	J D	J D
Arsenic	104	103	80 - 120	0	20	D	D
Barium	99	99	80 - 120	0	20	J D	J D
Cadmium	103	102	80 - 120	0	20	D	D
Chromium	101	101	80 - 120	1	20	D	D
Lead	101	101	80 - 120	0	20	D	D
Selenium	103	103	80 - 120	0	20	J D	J D

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-69405

Method: 6010B/DOD
Preparation: 3010A
TCLP

MS Lab Sample ID:	240-18735-5	Units:	mg/L
Client Matrix:	Solid		
Dilution:	5.0		
Analysis Date:	01/03/2013 1311		
Prep Date:	12/19/2012 1205		
Leach Date:	12/18/2012 1910		

MSD Lab Sample ID:	240-18735-5	
Client Matrix:	Solid	
Dilution:	5.0	
Analysis Date:	01/03/2013 1315	
Prep Date:	12/19/2012 1205	
Leach Date:	12/18/2012 1910	

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Silver	0.0050	U	1.00	1.00	1.02	J D	1.02	J D
Arsenic	0.0044	J	5.00	5.00	5.19	D	5.18	D
Barium	0.29	J	50.0	50.0	49.9	J D	49.6	J D
Cadmium	0.0016	J	1.00	1.00	1.03	D	1.03	D
Chromium	0.0024	J	5.00	5.00	5.04	D	5.06	D
Lead	0.0090	J	5.00	5.00	5.05	D	5.04	D
Selenium	0.0066	J	1.00	1.00	1.03	J D	1.03	J D

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Serial Dilution - Batch: 240-69405

Method: 6010B/DOD
Preparation: 3010A
TCLP

Lab Sample ID:	240-18735-5	Analysis Batch:	240-71033	Instrument ID:	I9
Client Matrix:	Solid	Prep Batch:	240-69405	Lab File ID:	I9010312A.asc
Dilution:	5.0	Leach Batch:	240-69294	Initial Weight/Volume:	50 mL
Analysis Date:	01/03/2013 1257	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	12/19/2012 1205				
Leach Date:	12/18/2012 1910				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Silver	0.0050	U	0.025	NC	10	U
Arsenic	0.0044	J	0.050	NC	10	U
Barium	0.29	J	0.289	NC	10	J D
Cadmium	0.0016	J	0.0050	NC	10	U
Chromium	0.0024	J	0.020	NC	10	U
Lead	0.0090	J	0.025	NC	10	U
Selenium	0.0066	J	0.050	NC	10	U

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Method Blank - Batch: 180-59308

Method: 6020/DOD
Preparation: 3005A
Total Recoverable

Lab Sample ID:	MB 180-59308/1-A	Analysis Batch:	180-59694	Instrument ID:	M
Client Matrix:	Water	Prep Batch:	180-59308	Lab File ID:	M21228A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	12/29/2012 0345	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	12/24/2012 1024				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Silver	0.20	U	0.11	1.0
Aluminum	6.47	J	2.6	30
Arsenic	0.50	U	0.29	1.0
Barium	0.15	U Q	0.098	10
Beryllium	0.090	U	0.045	1.0
Calcium	20	U	9.4	100
Cadmium	0.30	U	0.13	1.0
Chromium	1.0	U	0.54	2.0
Cobalt	0.050	U Q	0.026	0.50
Copper	0.50	U Q	0.24	2.0
Iron	19.2	J	11	50
Magnesium	22	U	11	100
Manganese	0.30	U	0.16	5.0
Sodium	55	U	27	100
Nickel	0.35	U	0.17	1.0
Lead	0.30	U	0.15	1.0
Antimony	0.90	U	0.46	2.0
Thallium	0.20	U	0.10	1.0
Vanadium	0.60	U	0.30	1.0
Zinc	2.0	U Q	0.96	5.0
Potassium	60	U	32	100
Selenium	1.0	U Q	0.51	5.0

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 180-59308

Method: 6020/DOD
Preparation: 3005A
Total Recoverable

LCS Lab Sample ID:	LCS 180-59308/2-A	Analysis Batch:	180-59694	Instrument ID:	M
Client Matrix:	Water	Prep Batch:	180-59308	Lab File ID:	M21228A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	12/29/2012 0350	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	12/24/2012 1024				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 180-59308/3-A	Analysis Batch:	180-59694	Instrument ID:	M
Client Matrix:	Water	Prep Batch:	180-59308	Lab File ID:	M21228A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	12/29/2012 0354	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	12/24/2012 1024				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Silver	92	93	80 - 120	1	20		
Aluminum	92	91	80 - 120	1	20		
Arsenic	93	92	80 - 120	1	20		
Barium	88	88	80 - 120	0	20	Q	Q
Beryllium	89	89	80 - 120	0	20		
Calcium	94	95	80 - 120	1	20		
Cadmium	93	92	80 - 120	0	20		
Chromium	91	92	80 - 120	1	20		
Cobalt	89	90	80 - 120	2	20	Q	Q
Copper	92	93	80 - 120	1	20	Q	Q
Iron	99	100	80 - 120	1	20		
Magnesium	90	91	80 - 120	1	20		
Manganese	92	93	80 - 120	1	20		
Sodium	84	86	80 - 120	3	20		
Nickel	90	91	80 - 120	2	20		
Lead	88	89	80 - 120	2	20		
Antimony	88	88	80 - 120	1	20		
Thallium	86	87	80 - 120	2	20		
Vanadium	92	93	80 - 120	1	20		
Zinc	93	93	80 - 120	0	20	Q	Q
Potassium	91	93	80 - 120	1	20		
Selenium	102	101	80 - 120	1	20	Q	Q

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 180-59308

Method: 6020/DOD
Preparation: 3005A
Total Recoverable

LCS Lab Sample ID:	LCS 180-59308/2-A	Units:	ug/L	LCSD Lab Sample ID:	LCSD 180-59308/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/29/2012 0350			Analysis Date:	12/29/2012 0354
Prep Date:	12/24/2012 1024			Prep Date:	12/24/2012 1024
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
Silver	50.0	50.0	45.9		46.3	
Aluminum	2000	2000	1830		1820	
Arsenic	40.0	40.0	37.4		36.9	
Barium	2000	2000	1760	Q	1770	Q
Beryllium	50.0	50.0	44.7		44.5	
Calcium	50000	50000	47000		47300	
Cadmium	50.0	50.0	46.3		46.2	
Chromium	200	200	182		184	
Cobalt	500	500	445	Q	452	Q
Copper	250	250	230	Q	233	Q
Iron	1000	1000	989		997	
Magnesium	50000	50000	44900		45500	
Manganese	500	500	460		463	
Sodium	50000	50000	41900		43200	
Nickel	500	500	448		456	
Lead	20.0	20.0	17.6		17.9	
Antimony	500	500	442		438	
Thallium	50.0	50.0	43.0		43.7	
Vanadium	500	500	460		464	
Zinc	500	500	464	Q	463	Q
Potassium	50000	50000	45700		46300	
Selenium	10.0	10.0	10.2	Q	10.1	Q

Client: Environmental Chemical Corp. Job Number: 240-18735-2

TCLP SPLPE Leachate Blank - Batch: 240-69409

Method: 7470A/DOD
Preparation: 7470A
TCLP

Lab Sample ID:	LB 240-69294/1-E	Analysis Batch:	240-69665	Instrument ID:	H4
Client Matrix:	Solid	Prep Batch:	240-69409	Lab File ID:	122012A-HG4.PRN
Dilution:	1.0	Leach Batch:	240-69294	Initial Weight/Volume:	100 mL
Analysis Date:	12/20/2012 1443	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	12/20/2012 1120				
Leach Date:	12/18/2012 1910				

Analyte	Result	Qual	DL	LOQ
Hg	0.00020	U	0.00012	0.0020

Method Blank - Batch: 240-69409

Method: 7470A/DOD
Preparation: 7470A

Lab Sample ID:	MB 240-69409/2-A	Analysis Batch:	240-69665	Instrument ID:	H4
Client Matrix:	Water	Prep Batch:	240-69409	Lab File ID:	122012A-HG4.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	12/20/2012 1445	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	12/20/2012 1120				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Hg	0.00020	U	0.00012	0.0020

Lab Control Sample - Batch: 240-69409

Method: 7470A/DOD
Preparation: 7470A

Lab Sample ID:	LCS 240-69409/3-A	Analysis Batch:	240-69665	Instrument ID:	H4
Client Matrix:	Water	Prep Batch:	240-69409	Lab File ID:	122012A-HG4.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	12/20/2012 1452	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	12/20/2012 1120				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Hg	0.00500	0.00579	116	50 - 150	

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-69409

Method: 7470A/DOD
Preparation: 7470A
TCLP

MS Lab Sample ID:	240-18735-5	Analysis Batch:	240-69665	Instrument ID:	H4
Client Matrix:	Solid	Prep Batch:	240-69409	Lab File ID:	122012A-HG4.PRN
Dilution:	1.0	Leach Batch:	240-69294	Initial Weight/Volume:	100 mL
Analysis Date:	12/20/2012 1456			Final Weight/Volume:	100 mL
Prep Date:	12/20/2012 1120				
Leach Date:	12/18/2012 1910				

MSD Lab Sample ID:	240-18735-5	Analysis Batch:	240-69665	Instrument ID:	H4
Client Matrix:	Solid	Prep Batch:	240-69409	Lab File ID:	122012A-HG4.PRN
Dilution:	1.0	Leach Batch:	240-69294	Initial Weight/Volume:	100 mL
Analysis Date:	12/20/2012 1457			Final Weight/Volume:	100 mL
Prep Date:	12/20/2012 1120				
Leach Date:	12/18/2012 1910				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Hg	105	109	50 - 150	3	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-69409

Method: 7470A/DOD
Preparation: 7470A
TCLP

MS Lab Sample ID:	240-18735-5	Units:	mg/L	MSD Lab Sample ID:	240-18735-5
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/20/2012 1456			Analysis Date:	12/20/2012 1457
Prep Date:	12/20/2012 1120			Prep Date:	12/20/2012 1120
Leach Date:	12/18/2012 1910			Leach Date:	12/18/2012 1910

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Hg	0.00020	U	0.00500	0.00500	0.00526	0.00544

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Method Blank - Batch: 240-70255

Method: 7470A/DOD
Preparation: 7470A

Lab Sample ID:	MB 240-70255/1-A	Analysis Batch:	240-70694	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-70255	Lab File ID:	122912A-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	12/29/2012 1159	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	12/27/2012 1600				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Mercury	0.20	U	0.12	0.20

Lab Control Sample - Batch: 240-70255

Method: 7470A/DOD
Preparation: 7470A

Lab Sample ID:	LCS 240-70255/2-A	Analysis Batch:	240-70694	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-70255	Lab File ID:	122912A-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	12/29/2012 1200	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	12/27/2012 1600				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	5.00	4.89	98	80 - 120	

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Lab Control Sample - Batch: 240-68806

Method: 1010
Preparation: N/A

Lab Sample ID:	LCS 240-68806/1	Analysis Batch:	240-68806	Instrument ID:	WHITEY
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	12/14/2012 0930	Units:	Degrees F	Final Weight/Volume:	70 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Flashpoint	81.0	83.00	102	97 - 103	

Duplicate - Batch: 240-68806

Method: 1010
Preparation: N/A

Lab Sample ID:	240-18735-5	Analysis Batch:	240-68806	Instrument ID:	WHITEY
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	12/14/2012 1008	Units:	Degrees F	Final Weight/Volume:	70 g
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Flashpoint	>180	>180	NC	20	

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Lab Control Sample - Batch: 240-69660

Method: 1010
Preparation: N/A

Lab Sample ID:	LCS 240-69660/1	Analysis Batch:	240-69660	Instrument ID:	WHITEY
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	12/20/2012 0700	Units:	Degrees F	Final Weight/Volume:	70 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Flashpoint	81.0	80.00	99	97 - 103	

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Method Blank - Batch: 240-69525

Method: 9012A/DoD
Preparation: 9012A

Lab Sample ID:	MB 240-69525/3-A	Analysis Batch:	240-69587	Instrument ID:	SAURON
Client Matrix:	Solid	Prep Batch:	240-69525	Lab File ID:	122012CNa.xls
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.99 g
Analysis Date:	12/20/2012 0955	Units:	mg/Kg	Final Weight/Volume:	25 mL
Prep Date:	12/20/2012 0825				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Cyanide, Total	0.25	U	0.10	0.51

Lab Control Sample - Batch: 240-69525

Method: 9012A/DoD
Preparation: 9012A

Lab Sample ID:	LCS 240-69525/4-A	Analysis Batch:	240-69587	Instrument ID:	SAURON
Client Matrix:	Solid	Prep Batch:	240-69525	Lab File ID:	122012CNa.xls
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	12/20/2012 0955	Units:	mg/Kg	Final Weight/Volume:	25 mL
Prep Date:	12/20/2012 0825				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	2.49	2.14	86	68 - 123	

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Method Reporting Limit Check - Batch: 240-69587 **Method: 9012A/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-69587/6	Analysis Batch:	240-69587	Instrument ID:	SAURON
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	122012CNa.xls
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2 mL
Analysis Date:	12/20/2012 0910	Units:	mg/L	Final Weight/Volume:	2 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	0.0100	0.00945	95	70 - 130	J

Method Reporting Limit Check - Batch: 240-69587 **Method: 9012A/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-69587/29	Analysis Batch:	240-69587	Instrument ID:	SAURON
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	122012CNa.xls
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2 mL
Analysis Date:	12/20/2012 1017	Units:	mg/L	Final Weight/Volume:	2 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	0.0100	0.0103	103	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Method Blank - Batch: 240-69982

Method: 9012A/DoD
Preparation: 9012A

Lab Sample ID:	MB 240-69982/1-A	Analysis Batch:	240-70054	Instrument ID:	SAURON
Client Matrix:	Water	Prep Batch:	240-69982	Lab File ID:	122412cnA.xls
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	12/24/2012 1311	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	12/24/2012 0916				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Cyanide, Total	0.010	U	0.0050	0.010

Lab Control Sample - Batch: 240-69982

Method: 9012A/DoD
Preparation: 9012A

Lab Sample ID:	LCS 240-69982/2-A	Analysis Batch:	240-70054	Instrument ID:	SAURON
Client Matrix:	Water	Prep Batch:	240-69982	Lab File ID:	122412cnA.xls
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	12/24/2012 1347	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	12/24/2012 0916				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	0.0498	0.0423	85	69 - 118	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-69982

Method: 9012A/DoD
Preparation: 9012A

MS Lab Sample ID:	240-18735-6	Analysis Batch:	240-70054	Instrument ID:	SAURON
Client Matrix:	Water	Prep Batch:	240-69982	Lab File ID:	122412cnA.xls
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	12/24/2012 1311			Final Weight/Volume:	25 mL
Prep Date:	12/24/2012 0916				
Leach Date:	N/A				

MSD Lab Sample ID:	240-18735-6	Analysis Batch:	240-70054	Instrument ID:	SAURON
Client Matrix:	Water	Prep Batch:	240-69982	Lab File ID:	122412cnA.xls
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	12/24/2012 1406			Final Weight/Volume:	25 mL
Prep Date:	12/24/2012 0916				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cyanide, Total	79	81	42 - 140	2	20		

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-69982

Method: 9012A/DoD
Preparation: 9012A

MS Lab Sample ID:	240-18735-6	Units:	mg/L	MSD Lab Sample ID:	240-18735-6
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/24/2012 1311			Analysis Date:	12/24/2012 1406
Prep Date:	12/24/2012 0916			Prep Date:	12/24/2012 0916
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Cyanide, Total	0.010	U	0.0400	0.0400	0.0316	0.0323

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Method Reporting Limit Check - Batch: 240-70054

Method: 9012A/DoD
Preparation: N/A

Lab Sample ID:	MRL 240-70054/6	Analysis Batch:	240-70054	Instrument ID:	SAURON
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	122412cnA.xls
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2 mL
Analysis Date:	12/24/2012 1120	Units:	mg/L	Final Weight/Volume:	2 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	0.0100	0.00952	95	70 - 130	J

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Method Blank - Batch: 240-68931

Method: 9034
Preparation: 9030B

Lab Sample ID:	MB 240-68931/1-A	Analysis Batch:	240-69009	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	240-68931	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	4.99 g
Analysis Date:	12/17/2012 1232	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	12/17/2012 0828				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Sulfide	27	U	22	30

Lab Control Sample - Batch: 240-68931

Method: 9034
Preparation: 9030B

Lab Sample ID:	LCS 240-68931/2-A	Analysis Batch:	240-69009	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	240-68931	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	4.95 g
Analysis Date:	12/17/2012 1236	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	12/17/2012 0828				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Sulfide	82.8	61.1	74	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Method Blank - Batch: 240-68955

Method: 9034
Preparation: 9030B

Lab Sample ID:	MB 240-68955/1-A	Analysis Batch:	240-69010	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	240-68955	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	12/17/2012 0931	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	12/17/2012 0931				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Sulfide	2.5	U	0.94	3.0

Lab Control Sample - Batch: 240-68955

Method: 9034
Preparation: 9030B

Lab Sample ID:	LCS 240-68955/2-A	Analysis Batch:	240-69010	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	240-68955	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	12/17/2012 0931	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	12/17/2012 0931				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Sulfide	8.20	7.66	93	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Lab Control Sample - Batch: 240-68653

Method: 9040C
Preparation: N/A

Lab Sample ID:	LCS 240-68653/2	Analysis Batch:	240-68653	Instrument ID:	Randolph
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	12/13/2012 1833	Units:	SU	Final Weight/Volume:	10 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Corrosivity	5.52	5.520	100	97 - 103	

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Lab Control Sample - Batch: 240-68809

Method: 9045C
Preparation: N/A

Lab Sample ID:	LCS 240-68809/42	Analysis Batch:	240-68809	Instrument ID:	Randolph
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	12/14/2012 1708	Units:	SU	Final Weight/Volume:	10 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Corrosivity	5.52	5.460	99	97 - 103	

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Method Blank - Batch: 320-7878

Method: WS-WC-0050
Preparation: 353 (NCell-Hyd)

Lab Sample ID:	MB 320-7816/1-B	Analysis Batch:	320-8009	Instrument ID:	FS4
Client Matrix:	Water	Prep Batch:	320-7878	Lab File ID:	122712A.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	45 mL
Analysis Date:	12/27/2012 1333	Units:	mg/L	Final Weight/Volume:	40 mL
Prep Date:	12/27/2012 0607				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Nitrocellulose	1.0	U	0.48	2.0

Lab Control Sample - Batch: 320-7878

Method: WS-WC-0050
Preparation: 353 (NCell-Hyd)

Lab Sample ID:	LCS 320-7816/2-B	Analysis Batch:	320-8009	Instrument ID:	FS4
Client Matrix:	Water	Prep Batch:	320-7878	Lab File ID:	122712A.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	45 mL
Analysis Date:	12/27/2012 1335	Units:	mg/L	Final Weight/Volume:	40 mL
Prep Date:	12/27/2012 0607				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrocellulose	5.10	5.13	101	26 - 144	

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Method Blank - Batch: 320-8009

Method: WS-WC-0050
Preparation: N/A

Lab Sample ID:	MB 320-8009/26	Analysis Batch:	320-8009	Instrument ID:	FS4
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	122712A.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	12/27/2012 1355	Units:	mg/L	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Nitrocellulose	2.5	U	1.2	5.0

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Method Reporting Limit Check - Batch: 320-8009 **Method: WS-WC-0050**
Preparation: N/A

Lab Sample ID:	MRL 320-8009/10	Analysis Batch:	320-8009	Instrument ID:	FS4
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	122712A.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	12/27/2012 1323	Units:	mg/L	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrocellulose	0.420	1.0	94	70 - 130	U

Method Reporting Limit Check - Batch: 320-8009 **Method: WS-WC-0050**
Preparation: N/A

Lab Sample ID:	MRL 320-8009/20	Analysis Batch:	320-8009	Instrument ID:	FS4
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	122712A.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	12/27/2012 1343	Units:	mg/L	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrocellulose	0.420	1.0	104	70 - 130	U

Lab Control Sample - Batch: 320-8009 **Method: WS-WC-0050**
Preparation: N/A

Lab Sample ID:	LCS 320-8009/27	Analysis Batch:	320-8009	Instrument ID:	FS4
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	122712A.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	12/27/2012 1357	Units:	mg/L	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrocellulose	8.40	8.33	99	26 - 144	

Method Reporting Limit Check - Batch: 320-8009 **Method: WS-WC-0050**
Preparation: N/A

Lab Sample ID:	MRL 320-8009/31	Analysis Batch:	320-8009	Instrument ID:	FS4
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	122712A.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	12/27/2012 1405	Units:	mg/L	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrocellulose	0.420	1.0	94	70 - 130	U

DATA REPORTING QUALIFIERS

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Lab Section	Qualifier	Description
GC/MS VOA		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	^	Instrument related QC exceeds the control limits
	U	Undetected at the Limit of Detection.
GC/MS Semi VOA		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	^	Instrument related QC exceeds the control limits
	M	Manual integrated compound.
	Q	One or more quality control criteria failed.
	U	Undetected at the Limit of Detection.
GC VOA		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	M	Manual integrated compound.
	U	Undetected at the Limit of Detection.
GC Semi VOA		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	^	Instrument related QC exceeds the control limits
	M	Manual integrated compound.
	Q	One or more quality control criteria failed.
	D	The reported value is from a dilution.
	U	Undetected at the Limit of Detection.

DATA REPORTING QUALIFIERS

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Lab Section	Qualifier	Description
HPLC/IC		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	M	Manual integrated compound.
	U	Undetected at the Limit of Detection.
Metals		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	Q	One or more quality control criteria failed.
	D	The reported value is from a dilution.
	U	Undetected at the Limit of Detection.
General Chemistry		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	H	Sample was prepped or analyzed beyond the specified holding time
	U	Undetected at the Limit of Detection.

Client: Environmental Chemical Corp. Job Number: 240-18735-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 240-69292					
LB 240-69292/1-A	Method Blank	P	Solid	1311	
240-18735-5	070-0058-0001-IDW	P	Solid	1311	
240-18735-5MS	Matrix Spike	P	Solid	1311	
240-18735-5MSD	Matrix Spike Duplicate	P	Solid	1311	
240-18735-6	070-0059-0001-IDW	P	Water	1311	
Analysis Batch:240-69591					
LCS 240-69591/4	Lab Control Sample	T	Water	8260B/DoD	
MB 240-69591/6	Method Blank	T	Water	8260B/DoD	
240-18735-3	070-0056-0001-SOURCE WATER	T	Water	8260B/DoD	
240-18735-4	070-0057-0001-SOURCE WATER	T	Water	8260B/DoD	
Analysis Batch:240-70888					
LB 240-69292/1-A	Method Blank	P	Solid	8260B/DoD	
LCS 240-70888/3	Lab Control Sample	T	Water	8260B/DoD	
240-18735-5	070-0058-0001-IDW	P	Solid	8260B/DoD	
240-18735-5MS	Matrix Spike	P	Solid	8260B/DoD	
240-18735-5MSD	Matrix Spike Duplicate	P	Solid	8260B/DoD	
240-18735-6	070-0059-0001-IDW	P	Water	8260B/DoD	

Report Basis

P = TCLP

T = Total

Client: Environmental Chemical Corp. Job Number: 240-18735-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 240-68547					
LCS 240-68547/19-A	Lab Control Sample	T	Water	3520C	
MB 240-68547/18-A	Method Blank	T	Water	3520C	
240-18735-3	070-0056-0001-SOURCE WATER	T	Water	3520C	
240-18735-4	070-0057-0001-SOURCE WATER	T	Water	3520C	
Analysis Batch:240-68962					
LCS 240-68547/19-A	Lab Control Sample	T	Water	8270C/DoD	240-68547
MB 240-68547/18-A	Method Blank	T	Water	8270C/DoD	240-68547
240-18735-3	070-0056-0001-SOURCE WATER	T	Water	8270C/DoD	240-68547
240-18735-4	070-0057-0001-SOURCE WATER	T	Water	8270C/DoD	240-68547
Prep Batch: 240-69294					
240-18735-5	070-0058-0001-IDW	P	Solid	1311	
240-18735-6	070-0059-0001-IDW	P	Water	1311	
Prep Batch: 240-70003					
LCS 240-70003/23-A	Lab Control Sample	T	Water	3520C	
MB 240-70003/22-A	Method Blank	T	Water	3520C	
240-18735-5	070-0058-0001-IDW	P	Solid	3520C	240-69294
240-18735-6	070-0059-0001-IDW	P	Water	3520C	240-69294
Analysis Batch:240-70566					
LCS 240-70003/23-A	Lab Control Sample	T	Water	8270C/DoD	240-70003
MB 240-70003/22-A	Method Blank	T	Water	8270C/DoD	240-70003
240-18735-5	070-0058-0001-IDW	P	Solid	8270C/DoD	240-70003
240-18735-6	070-0059-0001-IDW	P	Water	8270C/DoD	240-70003

Report Basis
P = TCLP
T = Total

GC VOA

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Analysis Batch:240-69738					
LCS 240-69738/37	Lab Control Sample	T	Water	8015B	
MB 240-69738/36	Method Blank	T	Water	8015B	
240-18735-3	070-0056-0001-SOURCE WATER	T	Water	8015B	
240-18735-4	070-0057-0001-SOURCE WATER	T	Water	8015B	

Report Basis
T = Total

Client: Environmental Chemical Corp. Job Number: 240-18735-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-68549					
LCS 240-68549/16-A	Lab Control Sample	T	Water	3520C	
MB 240-68549/15-A	Method Blank	T	Water	3520C	
240-18735-3	070-0056-0001-SOURCE WATER	T	Water	3520C	
240-18735-4	070-0057-0001-SOURCE WATER	T	Water	3520C	
Prep Batch: 240-68553					
LCS 240-68553/5-A	Lab Control Sample	T	Water	3520C	
MB 240-68553/4-A	Method Blank	T	Water	3520C	
240-18735-3	070-0056-0001-SOURCE WATER	T	Water	3520C	
240-18735-4	070-0057-0001-SOURCE WATER	T	Water	3520C	
Prep Batch: 240-68554					
LCS 240-68554/5-A	Lab Control Sample	T	Water	3520C	
MB 240-68554/4-A	Method Blank	T	Water	3520C	
240-18735-3	070-0056-0001-SOURCE WATER	T	Water	3520C	
240-18735-4	070-0057-0001-SOURCE WATER	T	Water	3520C	
Analysis Batch:240-68949					
LCS 240-68549/16-A	Lab Control Sample	T	Water	8015B_DRO/DO	240-68549
MB 240-68549/15-A	Method Blank	T	Water	8015B_DRO/DO	240-68549
240-18735-3	070-0056-0001-SOURCE WATER	T	Water	8015B_DRO/DO	240-68549
240-18735-4	070-0057-0001-SOURCE WATER	T	Water	8015B_DRO/DO	240-68549
Analysis Batch:240-69119					
LCS 240-68553/5-A	Lab Control Sample	T	Water	8082/DOD	240-68553
MB 240-68553/4-A	Method Blank	T	Water	8082/DOD	240-68553
240-18735-3	070-0056-0001-SOURCE WATER	T	Water	8082/DOD	240-68553
240-18735-4	070-0057-0001-SOURCE WATER	T	Water	8082/DOD	240-68553
Analysis Batch:240-69152					
LCS 240-68554/5-A	Lab Control Sample	T	Water	8081/DOD	240-68554
MB 240-68554/4-A	Method Blank	T	Water	8081/DOD	240-68554
240-18735-3	070-0056-0001-SOURCE WATER	T	Water	8081/DOD	240-68554
240-18735-4	070-0057-0001-SOURCE WATER	T	Water	8081/DOD	240-68554
Prep Batch: 240-69294					
240-18735-5	070-0058-0001-IDW	P	Solid	1311	
240-18735-5MS	Matrix Spike	P	Solid	1311	
240-18735-6MS	Matrix Spike	P	Solid	1311	
240-18735-6	070-0059-0001-IDW	P	Water	1311	

Client: Environmental Chemical Corp. Job Number: 240-18735-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-69372					
LCS 240-69372/22-A	Lab Control Sample	T	Water	8151A	
MB 240-69372/21-A	Method Blank	T	Water	8151A	
240-18735-3	070-0056-0001-SOURCE WATER	T	Water	8151A	
240-18735-4	070-0057-0001-SOURCE WATER	T	Water	8151A	
Prep Batch: 240-70005					
LCS 240-70005/4-A	Lab Control Sample	T	Water	3520C	
MB 240-70005/5-A	Method Blank	T	Water	3520C	
240-18735-5	070-0058-0001-IDW	P	Solid	3520C	240-69294
240-18735-6MS	Matrix Spike	P	Solid	3520C	240-69294
240-18735-6	070-0059-0001-IDW	P	Water	3520C	240-69294
Prep Batch: 240-70010					
LCS 240-70010/5-A	Lab Control Sample	T	Water	8151A	
MB 240-70010/4-A	Method Blank	T	Water	8151A	
240-18735-5	070-0058-0001-IDW	P	Solid	8151A	240-69294
240-18735-5MS	Matrix Spike	P	Solid	8151A	240-69294
240-18735-6	070-0059-0001-IDW	P	Water	8151A	240-69294
Analysis Batch:240-70037					
LCS 240-69372/22-A	Lab Control Sample	T	Water	8151/DOD	240-69372
MB 240-69372/21-A	Method Blank	T	Water	8151/DOD	240-69372
240-18735-3	070-0056-0001-SOURCE WATER	T	Water	8151/DOD	240-69372
240-18735-4	070-0057-0001-SOURCE WATER	T	Water	8151/DOD	240-69372
Analysis Batch:240-70766					
LCS 240-70010/5-A	Lab Control Sample	T	Water	8151/DOD	240-70010
MB 240-70010/4-A	Method Blank	T	Water	8151/DOD	240-70010
240-18735-5	070-0058-0001-IDW	P	Solid	8151/DOD	240-70010
240-18735-5MS	Matrix Spike	P	Solid	8151/DOD	240-70010
240-18735-6	070-0059-0001-IDW	P	Water	8151/DOD	240-70010
Analysis Batch:240-71174					
LCS 240-70005/4-A	Lab Control Sample	T	Water	8081/DOD	240-70005
MB 240-70005/5-A	Method Blank	T	Water	8081/DOD	240-70005
240-18735-5	070-0058-0001-IDW	P	Solid	8081/DOD	240-70005
240-18735-6MS	Matrix Spike	P	Solid	8081/DOD	240-70005
240-18735-6	070-0059-0001-IDW	P	Water	8081/DOD	240-70005

Report Basis

P = TCLP

T = Total

Client: Environmental Chemical Corp. Job Number: 240-18735-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 180-59308					
LCS 180-59308/2-A	Lab Control Sample	R	Water	3005A	
LCSD 180-59308/3-A	Lab Control Sample Duplicate	R	Water	3005A	
MB 180-59308/1-A	Method Blank	R	Water	3005A	
240-18735-3	070-0056-0001-SOURCE WATER	R	Water	3005A	
240-18735-4	070-0057-0001-SOURCE WATER	R	Water	3005A	
Analysis Batch:180-59694					
LCS 180-59308/2-A	Lab Control Sample	R	Water	6020/DOD	180-59308
LCSD 180-59308/3-A	Lab Control Sample Duplicate	R	Water	6020/DOD	180-59308
MB 180-59308/1-A	Method Blank	R	Water	6020/DOD	180-59308
240-18735-3	070-0056-0001-SOURCE WATER	R	Water	6020/DOD	180-59308
240-18735-4	070-0057-0001-SOURCE WATER	R	Water	6020/DOD	180-59308
Prep Batch: 240-69294					
LB 240-69294/1-D	TCLP SPLPE Leachate Blank	P	Solid	1311	
LB 240-69294/1-E	TCLP SPLPE Leachate Blank	P	Solid	1311	
240-18735-5	070-0058-0001-IDW	P	Solid	1311	
240-18735-5MS	Matrix Spike	P	Solid	1311	
240-18735-5MSD	Matrix Spike Duplicate	P	Solid	1311	
240-18735-6	070-0059-0001-IDW	P	Water	1311	
Prep Batch: 240-69405					
LCS 240-69405/3-A	Lab Control Sample	T	Water	3010A	
MB 240-69405/2-A	Method Blank	T	Water	3010A	
LB 240-69294/1-D	TCLP SPLPE Leachate Blank	P	Solid	3010A	240-69294
240-18735-5	070-0058-0001-IDW	P	Solid	3010A	240-69294
240-18735-5MS	Matrix Spike	P	Solid	3010A	240-69294
240-18735-5MSD	Matrix Spike Duplicate	P	Solid	3010A	240-69294
240-18735-6	070-0059-0001-IDW	P	Water	3010A	240-69294
Prep Batch: 240-69409					
LCS 240-69409/3-A	Lab Control Sample	T	Water	7470A	
MB 240-69409/2-A	Method Blank	T	Water	7470A	
LB 240-69294/1-E	TCLP SPLPE Leachate Blank	P	Solid	7470A	240-69294
240-18735-5	070-0058-0001-IDW	P	Solid	7470A	240-69294
240-18735-5MS	Matrix Spike	P	Solid	7470A	240-69294
240-18735-5MSD	Matrix Spike Duplicate	P	Solid	7470A	240-69294
240-18735-6	070-0059-0001-IDW	P	Water	7470A	240-69294

Client: Environmental Chemical Corp. Job Number: 240-18735-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:240-69665					
LB 240-69294/1-E	TCLP SPLPE Leachate Blank	P	Solid	7470A/DOD	240-69409
LCS 240-69409/3-A	Lab Control Sample	T	Water	7470A/DOD	240-69409
MB 240-69409/2-A	Method Blank	T	Water	7470A/DOD	240-69409
240-18735-5	070-0058-0001-IDW	P	Solid	7470A/DOD	240-69409
240-18735-5MS	Matrix Spike	P	Solid	7470A/DOD	240-69409
240-18735-5MSD	Matrix Spike Duplicate	P	Solid	7470A/DOD	240-69409
240-18735-6	070-0059-0001-IDW	P	Water	7470A/DOD	240-69409
Prep Batch: 240-70255					
LCS 240-70255/2-A	Lab Control Sample	T	Water	7470A	
MB 240-70255/1-A	Method Blank	T	Water	7470A	
240-18735-3	070-0056-0001-SOURCE WATER	T	Water	7470A	
240-18735-4	070-0057-0001-SOURCE WATER	T	Water	7470A	
Analysis Batch:240-70694					
LCS 240-70255/2-A	Lab Control Sample	T	Water	7470A/DOD	240-70255
MB 240-70255/1-A	Method Blank	T	Water	7470A/DOD	240-70255
240-18735-3	070-0056-0001-SOURCE WATER	T	Water	7470A/DOD	240-70255
240-18735-4	070-0057-0001-SOURCE WATER	T	Water	7470A/DOD	240-70255
Analysis Batch:240-71033					
LB 240-69294/1-D	TCLP SPLPE Leachate Blank	P	Solid	6010B/DOD	240-69405
LCS 240-69405/3-A	Lab Control Sample	T	Water	6010B/DOD	240-69405
MB 240-69405/2-A	Method Blank	T	Water	6010B/DOD	240-69405
240-18735-5	070-0058-0001-IDW	P	Solid	6010B/DOD	240-69405
240-18735-5MS	Matrix Spike	P	Solid	6010B/DOD	240-69405
240-18735-5MSD	Matrix Spike Duplicate	P	Solid	6010B/DOD	240-69405
240-18735-6	070-0059-0001-IDW	P	Water	6010B/DOD	240-69405

Report Basis

P = TCLP

R = Total Recoverable

T = Total

Client: Environmental Chemical Corp. Job Number: 240-18735-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 320-7878					
LCS 320-7816/2-B	Lab Control Sample	T	Water	353 (NCell-Hyd)	
MB 320-7816/1-B	Method Blank	T	Water	353 (NCell-Hyd)	
240-18735-3	070-0056-0001-SOURCE WATER	T	Water	353 (NCell-Hyd)	
240-18735-4	070-0057-0001-SOURCE WATER	T	Water	353 (NCell-Hyd)	
Analysis Batch:320-8009					
LCS 320-8009/27	Lab Control Sample	T	Water	WS-WC-0050	
MB 320-8009/26	Method Blank	T	Water	WS-WC-0050	
LCS 320-7816/2-B	Lab Control Sample	T	Water	WS-WC-0050	320-7878
MB 320-7816/1-B	Method Blank	T	Water	WS-WC-0050	320-7878
240-18735-3	070-0056-0001-SOURCE WATER	T	Water	WS-WC-0050	320-7878
240-18735-4	070-0057-0001-SOURCE WATER	T	Water	WS-WC-0050	320-7878
Analysis Batch:240-68573					
240-18735-5	070-0058-0001-IDW	T	Solid	Moisture	
Analysis Batch:240-68653					
LCS 240-68653/2	Lab Control Sample	T	Water	9040C	
240-18735-6	070-0059-0001-IDW	T	Water	9040C	
Analysis Batch:240-68806					
LCS 240-68806/1	Lab Control Sample	T	Solid	1010	
240-18735-5	070-0058-0001-IDW	T	Solid	1010	
240-18735-5DU	Duplicate	T	Solid	1010	
Analysis Batch:240-68809					
LCS 240-68809/42	Lab Control Sample	T	Solid	9045C	
240-18735-5	070-0058-0001-IDW	T	Solid	9045C	
Prep Batch: 240-68931					
LCS 240-68931/2-A	Lab Control Sample	T	Solid	9030B	
MB 240-68931/1-A	Method Blank	T	Solid	9030B	
240-18735-5	070-0058-0001-IDW	T	Solid	9030B	
Prep Batch: 240-68955					
LCS 240-68955/2-A	Lab Control Sample	T	Water	9030B	
MB 240-68955/1-A	Method Blank	T	Water	9030B	
240-18735-6	070-0059-0001-IDW	T	Water	9030B	
Analysis Batch:240-69009					
LCS 240-68931/2-A	Lab Control Sample	T	Solid	9034	240-68931
MB 240-68931/1-A	Method Blank	T	Solid	9034	240-68931
240-18735-5	070-0058-0001-IDW	T	Solid	9034	240-68931

Client: Environmental Chemical Corp. Job Number: 240-18735-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:240-69010					
LCS 240-68955/2-A	Lab Control Sample	T	Water	9034	240-68955
MB 240-68955/1-A	Method Blank	T	Water	9034	240-68955
240-18735-6	070-0059-0001-IDW	T	Water	9034	240-68955
Prep Batch: 240-69525					
LCS 240-69525/4-A	Lab Control Sample	T	Solid	9012A	
MB 240-69525/3-A	Method Blank	T	Solid	9012A	
240-18735-5	070-0058-0001-IDW	T	Solid	9012A	
Analysis Batch:240-69587					
LCS 240-69525/4-A	Lab Control Sample	T	Solid	9012A/DoD	240-69525
MB 240-69525/3-A	Method Blank	T	Solid	9012A/DoD	240-69525
240-18735-5	070-0058-0001-IDW	T	Solid	9012A/DoD	240-69525
Analysis Batch:240-69660					
LCS 240-69660/1	Lab Control Sample	T	Water	1010	
240-18735-6	070-0059-0001-IDW	T	Water	1010	
Prep Batch: 240-69982					
LCS 240-69982/2-A	Lab Control Sample	T	Water	9012A	
MB 240-69982/1-A	Method Blank	T	Water	9012A	
240-18735-6	070-0059-0001-IDW	T	Water	9012A	
240-18735-6MS	Matrix Spike	T	Water	9012A	
240-18735-6MSD	Matrix Spike Duplicate	T	Water	9012A	
Analysis Batch:240-70054					
LCS 240-69982/2-A	Lab Control Sample	T	Water	9012A/DoD	240-69982
MB 240-69982/1-A	Method Blank	T	Water	9012A/DoD	240-69982
240-18735-6	070-0059-0001-IDW	T	Water	9012A/DoD	240-69982
240-18735-6MS	Matrix Spike	T	Water	9012A/DoD	240-69982
240-18735-6MSD	Matrix Spike Duplicate	T	Water	9012A/DoD	240-69982

Report Basis
T = Total

Client: Environmental Chemical Corp. Job Number: 240-18735-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
HPLC/IC					
Prep Batch: 320-7404					
LCS 320-7404/2-A	Lab Control Sample	T	Water	8330-Prep	
MB 320-7404/1-A	Method Blank	T	Water	8330-Prep	
240-18735-3	070-0056-0001-SOURCE WATER	T	Water	8330-Prep	
240-18735-4	070-0057-0001-SOURCE WATER	T	Water	8330-Prep	
Analysis Batch:320-7620					
LCS 320-7404/2-A	Lab Control Sample	T	Water	8330B	320-7404
MB 320-7404/1-A	Method Blank	T	Water	8330B	320-7404
240-18735-3	070-0056-0001-SOURCE WATER	T	Water	8330B	320-7404
240-18735-4	070-0057-0001-SOURCE WATER	T	Water	8330B	320-7404
Prep Batch: 320-7807					
LCS 320-7807/2-A	Lab Control Sample	T	Water	Filtration	
MB 320-7807/1-A	Method Blank	T	Water	Filtration	
240-18735-3	070-0056-0001-SOURCE WATER	T	Water	Filtration	
240-18735-4	070-0057-0001-SOURCE WATER	T	Water	Filtration	
Analysis Batch:320-7855					
LCS 320-7807/2-A	Lab Control Sample	T	Water	8330 Modified	320-7807
MB 320-7807/1-A	Method Blank	T	Water	8330 Modified	320-7807
240-18735-3	070-0056-0001-SOURCE WATER	T	Water	8330 Modified	320-7807
240-18735-4	070-0057-0001-SOURCE WATER	T	Water	8330 Modified	320-7807

Report Basis
T = Total

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Laboratory Chronicle

Lab ID: 240-18735-3 **Client ID:** 070-0056-0001-SOURCE WATER

Sample Date/Time: 12/12/2012 13:00 Received Date/Time: 12/12/2012 17:07

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	240-18735-B-3		240-69591		12/20/2012 14:04	1	TAL NC	RQ
A:8260B/DoD	240-18735-B-3		240-69591		12/20/2012 14:04	1	TAL NC	RQ
P:3520C	240-18735-H-3-A		240-68962	240-68547	12/13/2012 11:21	1	TAL NC	CC
A:8270C/DoD	240-18735-H-3-A		240-68962	240-68547	12/17/2012 12:28	1	TAL NC	JG
P:5030B	240-18735-B-3		240-69738		12/22/2012 16:18	1	TAL NC	HMB
A:8015B	240-18735-B-3		240-69738		12/22/2012 16:18	1	TAL NC	HMB
P:3520C	240-18735-N-3-A		240-68949	240-68549	12/13/2012 11:26	1	TAL NC	CC
A:8015B_DRO/DOD	240-18735-N-3-A		240-68949	240-68549	12/17/2012 21:35	1	TAL NC	DB
P:3520C	240-18735-O-3-B		240-69152	240-68554	12/13/2012 11:40	1	TAL NC	CC
A:8081/DOD	240-18735-O-3-B		240-69152	240-68554	12/18/2012 13:14	1	TAL NC	CV
P:3520C	240-18735-O-3-A		240-69119	240-68553	12/13/2012 11:37	1	TAL NC	CC
A:8082/DOD	240-18735-O-3-A		240-69119	240-68553	12/18/2012 09:11	1	TAL NC	LH
P:8151A	240-18735-L-3-A		240-70037	240-69372	12/19/2012 09:51	1	TAL NC	SE
A:8151/DOD	240-18735-L-3-A		240-70037	240-69372	12/24/2012 17:40	1	TAL NC	DB
P:Filtration	240-18735-Q-3-A		320-7855	320-7807	12/24/2012 12:40	1	TAL WSC	TP
A:8330 Modified	240-18735-Q-3-A		320-7855	320-7807	12/27/2012 04:51	1	TAL WSC	RN
P:8330-Prep	240-18735-R-3-B		320-7620	320-7404	12/14/2012 11:07	1	TAL WSC	HA
A:8330B	240-18735-R-3-B		320-7620	320-7404	12/21/2012 15:22	1	TAL WSC	RN
P:3005A	240-18735-G-3-A		180-59694	180-59308	12/24/2012 10:24	1	TAL PIT	CH
A:6020/DOD	240-18735-G-3-A		180-59694	180-59308	12/29/2012 04:07	1	TAL PIT	BR
P:7470A	240-18735-S-3-A		240-70694	240-70255	12/27/2012 16:00	1	TAL NC	LM
A:7470A/DOD	240-18735-S-3-A		240-70694	240-70255	12/29/2012 12:10	1	TAL NC	DH
P:353 (NCell-Hyd)	240-18735-Q-3-C		320-8009	320-7878	12/27/2012 06:07	1	TAL WSC	TP
A:WS-WC-0050	240-18735-Q-3-C		320-8009	320-7878	12/27/2012 13:51	1	TAL WSC	JB

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Laboratory Chronicle

Lab ID: 240-18735-4 **Client ID:** 070-0057-0001-SOURCE WATER

Sample Date/Time: 12/12/2012 13:15 Received Date/Time: 12/12/2012 17:07

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	240-18735-B-4		240-69591		12/20/2012 14:26	1	TAL NC	RQ
A:8260B/DoD	240-18735-B-4		240-69591		12/20/2012 14:26	1	TAL NC	RQ
P:3520C	240-18735-O-4-A		240-68962	240-68547	12/13/2012 11:21	1	TAL NC	CC
A:8270C/DoD	240-18735-O-4-A		240-68962	240-68547	12/17/2012 12:51	1	TAL NC	JG
P:5030B	240-18735-B-4		240-69738		12/22/2012 16:56	1	TAL NC	HMB
A:8015B	240-18735-B-4		240-69738		12/22/2012 16:56	1	TAL NC	HMB
P:3520C	240-18735-M-4-A		240-68949	240-68549	12/13/2012 11:26	1	TAL NC	CC
A:8015B_DRO/DOD	240-18735-M-4-A		240-68949	240-68549	12/17/2012 22:05	1	TAL NC	DB
P:3520C	240-18735-L-4-B		240-69152	240-68554	12/13/2012 11:40	1	TAL NC	CC
A:8081/DOD	240-18735-L-4-B		240-69152	240-68554	12/18/2012 13:42	1	TAL NC	CV
P:3520C	240-18735-L-4-A		240-69119	240-68553	12/13/2012 11:37	1	TAL NC	CC
A:8082/DOD	240-18735-L-4-A		240-69119	240-68553	12/18/2012 09:26	1	TAL NC	LH
P:8151A	240-18735-J-4-A		240-70037	240-69372	12/19/2012 09:51	1	TAL NC	SE
A:8151/DOD	240-18735-J-4-A		240-70037	240-69372	12/24/2012 18:03	1	TAL NC	DB
P:Filtration	240-18735-Q-4-A		320-7855	320-7807	12/24/2012 12:40	1	TAL WSC	TP
A:8330 Modified	240-18735-Q-4-A		320-7855	320-7807	12/27/2012 05:06	1	TAL WSC	RN
P:8330-Prep	240-18735-R-4-B		320-7620	320-7404	12/14/2012 11:07	1	TAL WSC	HA
A:8330B	240-18735-R-4-B		320-7620	320-7404	12/21/2012 16:02	1	TAL WSC	RN
P:3005A	240-18735-G-4-A		180-59694	180-59308	12/24/2012 10:24	1	TAL PIT	CH
A:6020/DOD	240-18735-G-4-A		180-59694	180-59308	12/29/2012 04:11	1	TAL PIT	BR
P:7470A	240-18735-S-4-A		240-70694	240-70255	12/27/2012 16:00	1	TAL NC	LM
A:7470A/DOD	240-18735-S-4-A		240-70694	240-70255	12/29/2012 12:08	1	TAL NC	DH
P:353 (NCell-Hyd)	240-18735-Q-4-C		320-8009	320-7878	12/27/2012 06:07	1	TAL WSC	TP
A:WS-WC-0050	240-18735-Q-4-C		320-8009	320-7878	12/27/2012 13:53	1	TAL WSC	JB

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Laboratory Chronicle

Lab ID: 240-18735-5 **Client ID: 070-0058-0001-IDW**

Sample Date/Time: 12/12/2012 13:30 Received Date/Time: 12/12/2012 17:07

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	240-18735-C-5-A		240-70888		01/02/2013 15:41	1	TAL NC	RQ
A:8260B/DoD	240-18735-C-5-A		240-70888		01/02/2013 15:41	1	TAL NC	RQ
P:3520C	240-18735-C-5-J		240-70566	240-70003	12/24/2012 10:26	1	TAL NC	BM
A:8270C/DoD	240-18735-C-5-J		240-70566	240-70003	12/29/2012 15:32	1	TAL NC	MU
P:3520C	240-18735-C-5-K		240-71174	240-70005	12/24/2012 10:33	1	TAL NC	BM
A:8081/DOD	240-18735-C-5-K		240-71174	240-70005	01/06/2013 19:32	1	TAL NC	CV
P:8151A	240-18735-C-5-L		240-70766	240-70010	12/24/2012 10:38	1	TAL NC	BM
A:8151/DOD	240-18735-C-5-L		240-70766	240-70010	01/01/2013 00:17	1	TAL NC	DB
P:3010A	240-18735-C-5-D		240-71033	240-69405	12/19/2012 12:05	1	TAL NC	LM
A:6010B/DOD	240-18735-C-5-D		240-71033	240-69405	01/03/2013 12:52	1	TAL NC	RT
P:7470A	240-18735-C-5-G		240-69665	240-69409	12/20/2012 11:20	1	TAL NC	LM
A:7470A/DOD	240-18735-C-5-G		240-69665	240-69409	12/20/2012 14:54	1	TAL NC	DH
A:1010	240-18735-C-5		240-68806		12/14/2012 10:47	1	TAL NC	TH
P:9012A	240-18735-B-5-B		240-69587	240-69525	12/20/2012 08:25	1	TAL NC	CN
A:9012A/DoD	240-18735-B-5-B		240-69587	240-69525	12/20/2012 09:59	1	TAL NC	CN
P:9030B	240-18735-B-5-A		240-69009	240-68931	12/17/2012 13:42	1	TAL NC	BW
A:9034	240-18735-B-5-A		240-69009	240-68931	12/17/2012 16:33	1	TAL NC	BW
A:9045C	240-18735-C-5		240-68809		12/14/2012 17:46	1	TAL NC	LG
A:Moisture	240-18735-A-5		240-68573		12/13/2012 12:13	1	TAL NC	TH

Lab ID: 240-18735-5 MS **Client ID: 070-0058-0001-IDW**

Sample Date/Time: 12/12/2012 13:30 Received Date/Time: 12/12/2012 17:07

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	240-18735-C-5-A MS		240-70888		01/02/2013 16:24	1	TAL NC	RQ
A:8260B/DoD	240-18735-C-5-A MS		240-70888		01/02/2013 16:24	1	TAL NC	RQ
P:8151A	240-18735-C-5-M MS		240-70766	240-70010	12/24/2012 10:38	1	TAL NC	BM
A:8151/DOD	240-18735-C-5-M MS		240-70766	240-70010	01/01/2013 00:41	1	TAL NC	DB
P:3010A	240-18735-C-5-E MS ^5		240-71033	240-69405	12/19/2012 12:05	5	TAL NC	LM
A:6010B/DOD	240-18735-C-5-E MS ^5		240-71033	240-69405	01/03/2013 13:11	5	TAL NC	RT
P:7470A	240-18735-C-5-H MS		240-69665	240-69409	12/20/2012 11:20	1	TAL NC	LM
A:7470A/DOD	240-18735-C-5-H MS		240-69665	240-69409	12/20/2012 14:56	1	TAL NC	DH

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Laboratory Chronicle

Lab ID: 240-18735-5 MSD **Client ID: 070-0058-0001-IDW**

Sample Date/Time: 12/12/2012 13:30 Received Date/Time: 12/12/2012 17:07

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	240-18735-C-5-A MSD		240-70888		01/02/2013 16:46	1	TAL NC	RQ
A:8260B/DoD	240-18735-C-5-A MSD		240-70888		01/02/2013 16:46	1	TAL NC	RQ
P:3010A	240-18735-C-5-F MSD ^5		240-71033	240-69405	12/19/2012 12:05	5	TAL NC	LM
A:6010B/DOD	240-18735-C-5-F MSD ^5		240-71033	240-69405	01/03/2013 13:15	5	TAL NC	RT
P:7470A	240-18735-C-5-I MSD		240-69665	240-69409	12/20/2012 11:20	1	TAL NC	LM
A:7470A/DOD	240-18735-C-5-I MSD		240-69665	240-69409	12/20/2012 14:57	1	TAL NC	DH

Lab ID: 240-18735-5 DU **Client ID: 070-0058-0001-IDW**

Sample Date/Time: 12/12/2012 13:30 Received Date/Time: 12/12/2012 17:07

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:1010	240-18735-C-5 DU		240-68806		12/14/2012 10:08	1	TAL NC	TH

Lab ID: 240-18735-5 SD **Client ID: 070-0058-0001-IDW**

Sample Date/Time: 12/12/2012 13:30 Received Date/Time: 12/12/2012 17:07

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	240-18735-C-5-D SD ^5		240-71033	240-69405	12/19/2012 12:05	5	TAL NC	LM
A:6010B/DOD	240-18735-C-5-D SD ^5		240-71033	240-69405	01/03/2013 12:57	5	TAL NC	RT
P:3010A	240-18735-C-5-D PDS		240-71033	240-69405	12/19/2012 12:05	1	TAL NC	LM
A:6010B/DOD	240-18735-C-5-D PDS		240-71033	240-69405	01/03/2013 13:32	1	TAL NC	RT

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Laboratory Chronicle

Lab ID: 240-18735-6 **Client ID:** 070-0059-0001-IDW

Sample Date/Time: 12/12/2012 13:30 Received Date/Time: 12/12/2012 17:07

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	240-18735-F-6-A		240-70888		01/02/2013 16:03	2	TAL NC	RQ
A:8260B/DoD	240-18735-F-6-A		240-70888		01/02/2013 16:03	2	TAL NC	RQ
P:3520C	240-18735-F-6-F		240-70566	240-70003	12/24/2012 10:26	1	TAL NC	BM
A:8270C/DoD	240-18735-F-6-F		240-70566	240-70003	12/29/2012 15:56	1	TAL NC	MU
P:3520C	240-18735-F-6-G		240-71174	240-70005	12/24/2012 10:33	1	TAL NC	BM
A:8081/DOD	240-18735-F-6-G		240-71174	240-70005	01/06/2013 19:57	1	TAL NC	CV
P:8151A	240-18735-F-6-I		240-70766	240-70010	12/24/2012 10:38	1	TAL NC	BM
A:8151/DOD	240-18735-F-6-I		240-70766	240-70010	01/01/2013 01:04	1	TAL NC	DB
P:3010A	240-18735-F-6-D		240-71033	240-69405	12/19/2012 12:05	1	TAL NC	LM
A:6010B/DOD	240-18735-F-6-D		240-71033	240-69405	01/03/2013 13:44	1	TAL NC	RT
P:7470A	240-18735-F-6-E		240-69665	240-69409	12/20/2012 11:20	1	TAL NC	LM
A:7470A/DOD	240-18735-F-6-E		240-69665	240-69409	12/20/2012 15:00	1	TAL NC	DH
A:1010	240-18735-G-6		240-69660		12/20/2012 14:25	1	TAL NC	TH
P:9012A	240-18735-A-6-A		240-70054	240-69982	12/24/2012 09:16	1	TAL NC	AM
A:9012A/DoD	240-18735-A-6-A		240-70054	240-69982	12/24/2012 13:11	1	TAL NC	AM
P:9030B	240-18735-B-6-A		240-69010	240-68955	12/17/2012 09:31	1	TAL NC	BW
A:9034	240-18735-B-6-A		240-69010	240-68955	12/17/2012 16:55	1	TAL NC	BW
A:9040C	240-18735-H-6		240-68653		12/13/2012 18:44	1	TAL NC	LG

Lab ID: 240-18735-6 MS **Client ID:** 070-0059-0001-IDW

Sample Date/Time: 12/12/2012 13:30 Received Date/Time: 12/12/2012 17:07

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3520C	240-18735-F-6-H MS		240-71174	240-70005	12/24/2012 10:33	5	TAL NC	BM
A:8081/DOD	240-18735-F-6-H MS		240-71174	240-70005	01/06/2013 20:23	5	TAL NC	CV
P:9012A	240-18735-A-6-B MS		240-70054	240-69982	12/24/2012 09:16	1	TAL NC	AM
A:9012A/DoD	240-18735-A-6-B MS		240-70054	240-69982	12/24/2012 13:11	1	TAL NC	AM

Lab ID: 240-18735-6 MSD **Client ID:** 070-0059-0001-IDW

Sample Date/Time: 12/12/2012 13:30 Received Date/Time: 12/12/2012 17:07

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:9012A	240-18735-A-6-C MSD		240-70054	240-69982	12/24/2012 09:16	1	TAL NC	AM
A:9012A/DoD	240-18735-A-6-C MSD		240-70054	240-69982	12/24/2012 14:06	1	TAL NC	AM

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Laboratory Chronicle

Lab ID: MB **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MB 240-69591/6		240-69591		12/20/2012 13:05	1	TAL NC	RQ
A:8260B/DoD	MB 240-69591/6		240-69591		12/20/2012 13:05	1	TAL NC	RQ
P:5030B	LB 240-69292/1-A		240-70888		01/02/2013 15:20	1	TAL NC	RQ
A:8260B/DoD	LB 240-69292/1-A		240-70888		01/02/2013 15:20	1	TAL NC	RQ
P:3520C	MB 240-68547/18-A		240-68962	240-68547	12/13/2012 11:21	1	TAL NC	CC
A:8270C/DoD	MB 240-68547/18-A		240-68962	240-68547	12/17/2012 11:18	1	TAL NC	JG
P:3520C	MB 240-70003/22-A		240-70566	240-70003	12/24/2012 10:26	1	TAL NC	BM
A:8270C/DoD	MB 240-70003/22-A		240-70566	240-70003	12/29/2012 12:15	1	TAL NC	MU
P:5030B	MB 240-69738/36		240-69738		12/22/2012 08:46	1	TAL NC	HMB
A:8015B	MB 240-69738/36		240-69738		12/22/2012 08:46	1	TAL NC	HMB
P:3520C	MB 240-68549/15-A		240-68949	240-68549	12/13/2012 11:26	1	TAL NC	CC
A:8015B_DRO/DOD	MB 240-68549/15-A		240-68949	240-68549	12/17/2012 14:33	1	TAL NC	DB
P:3520C	MB 240-68554/4-A		240-69152	240-68554	12/13/2012 11:40	1	TAL NC	CC
A:8081/DOD	MB 240-68554/4-A		240-69152	240-68554	12/18/2012 14:09	1	TAL NC	CV
P:3520C	MB 240-70005/5-A		240-71174	240-70005	12/24/2012 10:33	1	TAL NC	BM
A:8081/DOD	MB 240-70005/5-A		240-71174	240-70005	01/06/2013 20:49	1	TAL NC	CV
P:3520C	MB 240-68553/4-A		240-69119	240-68553	12/13/2012 11:37	1	TAL NC	CC
A:8082/DOD	MB 240-68553/4-A		240-69119	240-68553	12/18/2012 09:41	1	TAL NC	LH
P:8151A	MB 240-69372/21-A		240-70037	240-69372	12/19/2012 09:51	1	TAL NC	SE
A:8151/DOD	MB 240-69372/21-A		240-70037	240-69372	12/24/2012 21:11	1	TAL NC	DB
P:8151A	MB 240-70010/4-A		240-70766	240-70010	12/24/2012 10:38	1	TAL NC	BM
A:8151/DOD	MB 240-70010/4-A		240-70766	240-70010	01/01/2013 01:27	1	TAL NC	DB
P:Filtration	MB 320-7807/1-A		320-7855	320-7807	12/24/2012 12:40	1	TAL WSC	TP
A:8330 Modified	MB 320-7807/1-A		320-7855	320-7807	12/27/2012 03:25	1	TAL WSC	RN
P:8330-Prep	MB 320-7404/1-A		320-7620	320-7404	12/14/2012 11:07	1	TAL WSC	HA
A:8330B	MB 320-7404/1-A		320-7620	320-7404	12/21/2012 13:22	1	TAL WSC	RN
P:3010A	MB 240-69405/2-A		240-71033	240-69405	12/19/2012 12:05	1	TAL NC	LM
A:6010B/DOD	MB 240-69405/2-A		240-71033	240-69405	01/03/2013 12:45	1	TAL NC	RT
P:3005A	MB 180-59308/1-A		180-59694	180-59308	12/24/2012 10:24	1	TAL PIT	CH
A:6020/DOD	MB 180-59308/1-A		180-59694	180-59308	12/29/2012 03:45	1	TAL PIT	BR
P:7470A	MB 240-69409/2-A		240-69665	240-69409	12/20/2012 11:20	1	TAL NC	LM
A:7470A/DOD	MB 240-69409/2-A		240-69665	240-69409	12/20/2012 14:45	1	TAL NC	DH
P:7470A	MB 240-70255/1-A		240-70694	240-70255	12/27/2012 16:00	1	TAL NC	LM
A:7470A/DOD	MB 240-70255/1-A		240-70694	240-70255	12/29/2012 11:59	1	TAL NC	DH
P:9012A	MB 240-69525/3-A		240-69587	240-69525	12/20/2012 08:25	1	TAL NC	CN
A:9012A/DoD	MB 240-69525/3-A		240-69587	240-69525	12/20/2012 09:55	1	TAL NC	CN
P:9012A	MB 240-69982/1-A		240-70054	240-69982	12/24/2012 09:16	1	TAL NC	AM
A:9012A/DoD	MB 240-69982/1-A		240-70054	240-69982	12/24/2012 13:11	1	TAL NC	AM
P:9030B	MB 240-68955/1-A		240-69010	240-68955	12/17/2012 09:31	1	TAL NC	BW
A:9034	MB 240-68955/1-A		240-69010	240-68955	12/17/2012 09:31	1	TAL NC	BW
P:9030B	MB 240-68931/1-A		240-69009	240-68931	12/17/2012 08:28	1	TAL NC	BW
A:9034	MB 240-68931/1-A		240-69009	240-68931	12/17/2012 12:32	1	TAL NC	BW

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Laboratory Chronicle

Lab ID: MB **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:353 (NCell-Hyd)	MB 320-7816/1-B		320-8009	320-7878	12/27/2012 06:07	1	TAL WSC	TP
A:WS-WC-0050	MB 320-7816/1-B		320-8009	320-7878	12/27/2012 13:33	1	TAL WSC	JB
A:WS-WC-0050	MB 320-8009/26		320-8009		12/27/2012 13:55	1	TAL WSC	JB

Lab ID: LB **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	LB 240-69294/1-D		240-71033	240-69405	12/19/2012 12:05	1	TAL NC	LM
A:6010B/DOD	LB 240-69294/1-D		240-71033	240-69405	01/03/2013 12:40	1	TAL NC	RT
P:7470A	LB 240-69294/1-E		240-69665	240-69409	12/20/2012 11:20	1	TAL NC	LM
A:7470A/DOD	LB 240-69294/1-E		240-69665	240-69409	12/20/2012 14:43	1	TAL NC	DH

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Laboratory Chronicle

Lab ID: LCS **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCS 240-69591/4		240-69591		12/20/2012 12:21	1	TAL NC	RQ
A:8260B/DoD	LCS 240-69591/4		240-69591		12/20/2012 12:21	1	TAL NC	RQ
P:5030B	LCS 240-70888/3		240-70888		01/02/2013 14:36	1	TAL NC	RQ
A:8260B/DoD	LCS 240-70888/3		240-70888		01/02/2013 14:36	1	TAL NC	RQ
P:3520C	LCS 240-68547/19-A		240-68962	240-68547	12/13/2012 11:21	1	TAL NC	CC
A:8270C/DoD	LCS 240-68547/19-A		240-68962	240-68547	12/17/2012 11:41	1	TAL NC	JG
P:3520C	LCS 240-70003/23-A		240-70566	240-70003	12/24/2012 10:26	1	TAL NC	BM
A:8270C/DoD	LCS 240-70003/23-A		240-70566	240-70003	12/29/2012 12:39	1	TAL NC	MU
P:5030B	LCS 240-69738/37		240-69738		12/22/2012 09:24	1	TAL NC	HMB
A:8015B	LCS 240-69738/37		240-69738		12/22/2012 09:24	1	TAL NC	HMB
P:3520C	LCS 240-68549/16-A		240-68949	240-68549	12/13/2012 11:26	1	TAL NC	CC
A:8015B_DRO/DOD	LCS 240-68549/16-A		240-68949	240-68549	12/17/2012 15:03	1	TAL NC	DB
P:3520C	LCS 240-68554/5-A		240-69152	240-68554	12/13/2012 11:40	1	TAL NC	CC
A:8081/DOD	LCS 240-68554/5-A		240-69152	240-68554	12/18/2012 12:18	1	TAL NC	CV
P:3520C	LCS 240-70005/4-A		240-71174	240-70005	12/24/2012 10:33	5	TAL NC	BM
A:8081/DOD	LCS 240-70005/4-A		240-71174	240-70005	01/06/2013 21:16	5	TAL NC	CV
P:3520C	LCS 240-68553/5-A		240-69119	240-68553	12/13/2012 11:37	1	TAL NC	CC
A:8082/DOD	LCS 240-68553/5-A		240-69119	240-68553	12/18/2012 09:56	1	TAL NC	LH
P:8151A	LCS 240-69372/22-A		240-70037	240-69372	12/19/2012 09:51	1	TAL NC	SE
A:8151/DOD	LCS 240-69372/22-A		240-70037	240-69372	12/25/2012 01:53	1	TAL NC	DB
P:8151A	LCS 240-70010/5-A		240-70766	240-70010	12/24/2012 10:38	1	TAL NC	BM
A:8151/DOD	LCS 240-70010/5-A		240-70766	240-70010	01/01/2013 01:51	1	TAL NC	DB
P:Filtration	LCS 320-7807/2-A		320-7855	320-7807	12/24/2012 12:40	1	TAL WSC	TP
A:8330 Modified	LCS 320-7807/2-A		320-7855	320-7807	12/27/2012 03:54	1	TAL WSC	RN
P:8330-Prep	LCS 320-7404/2-A		320-7620	320-7404	12/14/2012 11:07	1	TAL WSC	HA
A:8330B	LCS 320-7404/2-A		320-7620	320-7404	12/21/2012 14:02	1	TAL WSC	RN
P:3010A	LCS 240-69405/3-A		240-71033	240-69405	12/19/2012 12:05	1	TAL NC	LM
A:6010B/DOD	LCS 240-69405/3-A		240-71033	240-69405	01/03/2013 12:49	1	TAL NC	RT
P:3005A	LCS 180-59308/2-A		180-59694	180-59308	12/24/2012 10:24	1	TAL PIT	CH
A:6020/DOD	LCS 180-59308/2-A		180-59694	180-59308	12/29/2012 03:50	1	TAL PIT	BR
P:7470A	LCS 240-69409/3-A		240-69665	240-69409	12/20/2012 11:20	1	TAL NC	LM
A:7470A/DOD	LCS 240-69409/3-A		240-69665	240-69409	12/20/2012 14:52	1	TAL NC	DH
P:7470A	LCS 240-70255/2-A		240-70694	240-70255	12/27/2012 16:00	1	TAL NC	LM
A:7470A/DOD	LCS 240-70255/2-A		240-70694	240-70255	12/29/2012 12:00	1	TAL NC	DH
A:1010	LCS 240-68806/1		240-68806		12/14/2012 09:30	1	TAL NC	TH
A:1010	LCS 240-69660/1		240-69660		12/20/2012 07:00	1	TAL NC	TH
P:9012A	LCS 240-69525/4-A		240-69587	240-69525	12/20/2012 08:25	1	TAL NC	CN
A:9012A/DoD	LCS 240-69525/4-A		240-69587	240-69525	12/20/2012 09:55	1	TAL NC	CN
P:9012A	LCS 240-69982/2-A		240-70054	240-69982	12/24/2012 09:16	2	TAL NC	AM
A:9012A/DoD	LCS 240-69982/2-A		240-70054	240-69982	12/24/2012 13:47	2	TAL NC	AM
P:9030B	LCS 240-68955/2-A		240-69010	240-68955	12/17/2012 09:31	1	TAL NC	BW
A:9034	LCS 240-68955/2-A		240-69010	240-68955	12/17/2012 09:31	1	TAL NC	BW
P:9030B	LCS 240-68931/2-A		240-69009	240-68931	12/17/2012 08:28	1	TAL NC	BW

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Laboratory Chronicle

Lab ID: LCS **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9034	LCS 240-68931/2-A		240-69009	240-68931	12/17/2012 12:36	1	TAL NC	BW
A:9040C	LCS 240-68653/2		240-68653		12/13/2012 18:33	1	TAL NC	LG
A:9045C	LCS 240-68809/42		240-68809		12/14/2012 17:08	1	TAL NC	LG
P:353 (NCell-Hyd)	LCS 320-7816/2-B		320-8009	320-7878	12/27/2012 06:07	1	TAL WSC	TP
A:WS-WC-0050	LCS 320-7816/2-B		320-8009	320-7878	12/27/2012 13:35	1	TAL WSC	JB
A:WS-WC-0050	LCS 320-8009/27		320-8009		12/27/2012 13:57	1	TAL WSC	JB

Lab ID: LCSD **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	LCSD 180-59308/3-A		180-59694	180-59308	12/24/2012 10:24	1	TAL PIT	CH
A:6020/DOD	LCSD 180-59308/3-A		180-59694	180-59308	12/29/2012 03:54	1	TAL PIT	BR

Client: Environmental Chemical Corp. Job Number: 240-18735-2

Laboratory Chronicle

Lab ID: MRL **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MRL 240-69591/5		240-69591		12/20/2012 12:43	1	TAL NC	RQ
A:8260B/DoD	MRL 240-69591/5		240-69591		12/20/2012 12:43	1	TAL NC	RQ
P:5030B	MRL 240-69591/18		240-69591		12/20/2012 17:42	1	TAL NC	RQ
A:8260B/DoD	MRL 240-69591/18		240-69591		12/20/2012 17:42	1	TAL NC	RQ
P:5030B	MRL 240-70888/4		240-70888		01/02/2013 14:58	1	TAL NC	RQ
A:8260B/DoD	MRL 240-70888/4		240-70888		01/02/2013 14:58	1	TAL NC	RQ
P:5030B	MRL 240-70888/10		240-70888		01/02/2013 17:07	1	TAL NC	RQ
A:8260B/DoD	MRL 240-70888/10		240-70888		01/02/2013 17:07	1	TAL NC	RQ
A:8270C/DoD	MRL 240-68962/3		240-68962		12/17/2012 10:54	1	TAL NC	JG
A:8270C/DoD	MRL 240-68962/10		240-68962		12/17/2012 13:15	1	TAL NC	JG
A:8270C/DoD	MRL 240-70566/3		240-70566		12/29/2012 11:50	1	TAL NC	MU
A:8270C/DoD	MRL 240-70566/13		240-70566		12/29/2012 16:45	1	TAL NC	MU
P:5030B	MRL 240-69738/35		240-69738		12/22/2012 08:08	1	TAL NC	HMB
A:8015B	MRL 240-69738/35		240-69738		12/22/2012 08:08	1	TAL NC	HMB
P:5030B	MRL 240-69738/51		240-69738		12/22/2012 18:14	1	TAL NC	HMB
A:8015B	MRL 240-69738/51		240-69738		12/22/2012 18:14	1	TAL NC	HMB
A:8015B_DRO/DOD	MRL 240-68949/4		240-68949		12/17/2012 13:32	1	TAL NC	DB
A:8015B_DRO/DOD	MRL 240-68949/23		240-68949		12/17/2012 23:05	1	TAL NC	DB
A:8081/DOD	MRL 240-69152/8		240-69152		12/18/2012 11:51	1	TAL NC	CV
A:8081/DOD	MRL 240-69152/22		240-69152		12/18/2012 18:17	1	TAL NC	CV
A:8081/DOD	MRL 240-71174/8		240-71174		01/06/2013 19:07	1	TAL NC	CV
A:8081/DOD	MRL 240-71174/21		240-71174		01/07/2013 00:52	1	TAL NC	CV
A:8082/DOD	MRL 240-69119/4		240-69119		12/18/2012 08:41	1	TAL NC	LH
A:8082/DOD	MRL 240-69119/11		240-69119		12/18/2012 10:26	1	TAL NC	LH
A:8151/DOD	MRL 240-70037/7		240-70037		12/24/2012 17:16	1	TAL NC	DB
A:8151/DOD	MRL 240-70037/32		240-70037		12/25/2012 03:04	1	TAL NC	DB
A:8151/DOD	MRL 240-70766/23		240-70766		12/31/2012 21:56	1	TAL NC	DB
A:8151/DOD	MRL 240-70766/42		240-70766		01/01/2013 05:22	1	TAL NC	DB
A:9012A/DoD	MRL 240-69587/6		240-69587		12/20/2012 09:10	1	TAL NC	CN
A:9012A/DoD	MRL 240-69587/29		240-69587		12/20/2012 10:17	1	TAL NC	CN
A:9012A/DoD	MRL 240-70054/6		240-70054		12/24/2012 11:20	1	TAL NC	AM
A:WS-WC-0050	MRL 320-8009/10		320-8009		12/27/2012 13:23	1	TAL WSC	JB
A:WS-WC-0050	MRL 320-8009/20		320-8009		12/27/2012 13:43	1	TAL WSC	JB
A:WS-WC-0050	MRL 320-8009/31		320-8009		12/27/2012 14:05	1	TAL WSC	JB

Lab References:

TAL NC = TestAmerica Canton

TAL PIT = TestAmerica Pittsburgh

TAL WSC = TestAmerica Sacramento

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
EX10PPMSPK_00006	01/25/13	07/25/12	MEOH, Lot 117046	1000 mL	EXPCB1016_00004	2 mL	Aroclor-1016	10 ug/mL
					EXPCB1260_00004	2 mL	Aroclor-1260	10 ug/mL
.EXPCB1016_00004	12/06/15	AccuStandard, Inc., Lot B5120059			(Purchased Reagent)		Aroclor-1016	5000 ug/mL
.EXPCB1260_00004	06/25/13	AccuStandard, Lot B3060258			(Purchased Reagent)		Aroclor-1260	5000 ug/mL
EX2/.2SURRW_00020	05/28/13	11/28/12	MEOH, Lot 123279	2000 mL	EX2/.2SURR_00002	2 mL	DCB Decachlorobiphenyl	0.2 ug/mL
							Tetrachloro-m-xylene	0.2 ug/mL
.EX2/.2SURR_00002	10/01/13	Ultra Scientific, Lot CG-3165			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
EXBNALCS1_00031	06/30/13	12/05/12	MEOH, Lot 123279	200 mL	EXBNALCS_00009	40 mL	1,2,4-Trichlorobenzene	20 ug/mL
							1,2-Dichlorobenzene	20 ug/mL
							1,2-Dinitrobenzene	20 ug/mL
							1,2-Diphenylhydrazine	20 ug/mL
							1,3-Dichlorobenzene	20 ug/mL
							1,3-Dinitrobenzene	20 ug/mL
							1,4-Dichlorobenzene	20 ug/mL
							1,4-Dinitrobenzene	20 ug/mL
							1-Methylnaphthalene	20 ug/mL
							2,3,4,6-Tetrachlorophenol	20 ug/mL
							2,3,5,6-Tetrachlorophenol	20 ug/mL
							2,4,5-Trichlorophenol	20 ug/mL
							2,4,6-Trichlorophenol	20 ug/mL
							2,4-Dichlorophenol	20 ug/mL
							2,4-Dimethylphenol	20 ug/mL
							2,4-Dinitrophenol	20 ug/mL
							2,4-Dinitrotoluene	20 ug/mL
							2,6-Dinitrotoluene	20 ug/mL
							2-Chloronaphthalene	20 ug/mL
							2-Chlorophenol	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							2-Methylphenol	20 ug/mL
							2-Nitroaniline	20 ug/mL
							2-Nitrophenol	20 ug/mL
							3 & 4 Methylphenol	40 ug/mL
							3,3'-Dichlorobenzidine	20 ug/mL
							3-Nitroaniline	20 ug/mL
							4,6-Dinitro-2-methylphenol	20 ug/mL
							4-Bromophenyl phenyl ether	20 ug/mL
							4-Chloro-3-methylphenol	20 ug/mL
							4-Chloroaniline	20 ug/mL
							4-Chlorophenyl phenyl ether	20 ug/mL
							4-Nitroaniline	20 ug/mL
							4-Nitrophenol	20 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Aniline	20.02 ug/mL
							Anthracene	20 ug/mL
							Azobenzene	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Benzoic acid	20 ug/mL
							Benzyl alcohol	20 ug/mL
							bis (2-chloroisopropyl) ether	20 ug/mL
							Bis(2-chloroethoxy)methane	20 ug/mL
							Bis(2-chloroethyl)ether	20 ug/mL
							Bis(2-ethylhexyl) phthalate	20 ug/mL
							Butyl benzyl phthalate	20 ug/mL
							Carbazole	20 ug/mL
							Chrysene	20 ug/mL
							Di(2-ethylhexyl)adipate	20 ug/mL
							Di-n-butyl phthalate	20 ug/mL
							Di-n-octyl phthalate	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Dibenzofuran	20 ug/mL
							Diethyl phthalate	20 ug/mL
							Dimethyl phthalate	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Hexachlorobenzene	20 ug/mL
							Hexachlorobutadiene	20 ug/mL
							Hexachlorocyclopentadiene	20 ug/mL
							Hexachloroethane	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Isophorone	20 ug/mL
							N-Nitrosodi-n-propylamine	20 ug/mL
							N-Nitrosodimethylamine	20.02 ug/mL
							N-Nitrosodiphenylamine	20 ug/mL
							Naphthalene	20 ug/mL
							Nitrobenzene	20 ug/mL
							Pentachlorophenol	20 ug/mL
							Phenanthrene	20 ug/mL
							Phenol	20 ug/mL
							Pyrene	20 ug/mL
							Pyridine	20 ug/mL
.EXBNALCS_00009	06/30/13		SUPELCO, Lot LB93716		(Purchased Reagent)		1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Dinitrobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dinitrobenzene	100 ug/mL
							1-Methylnaphthalene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,3,5,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	100 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3,3'-Dichlorobenzidine	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Aniline	100.1 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzoic acid	100 ug/mL
							Benzyl alcohol	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di(2-ethylhexyl)adipate	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100.1 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	100 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	100 ug/mL
EXBNASURRW_00021	07/31/15	11/26/12	MEOH, Lot 123279	2000 mL	EXBNASURR_00007	400 mL	2,4,6-Tribromophenol (Surr)	30 ug/mL
							2-Fluorobiphenyl (Surr)	20 ug/mL
							2-Fluorophenol (Surr)	30 ug/mL
							Nitrobenzene-d5 (Surr)	20 ug/mL
							Phenol-d5 (Surr)	30 ug/mL
							Terphenyl-d14 (Surr)	20 ug/mL
.EXBNASURR_00007	07/31/15		SUPELCO, Lot lb88729		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	150 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	150 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	150 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
EXDIESELSPKW_00021	04/30/13	10/31/12	MECL2, Lot 0000018722	100 mL	EXDIESELSPK_00005	5 mL	Diesel	2500 ug/mL
.EXDIESELSPK_00005	02/28/15		ULTRA, Lot CH-0185		(Purchased Reagent)		Diesel	50000 ug/mL
EXHEASPIKEW_00007	05/28/13	11/28/12	MEOH, Lot 123279	100 mL	EXHERBEASPIKE_00017	10 mL	2,4,5-T	5 ug/mL
							2,4-D	20 ug/mL
							2,4-DB	20 ug/mL
							Dalapon	10 ug/mL
							Dicamba	10 ug/mL
							Dichlorprop	20 ug/mL
							Dinoseb	3 ug/mL
							MCPA	2000 ug/mL
							MCPP	2000 ug/mL
							Pentachlorophenol	2.5 ug/mL
							Silvex (2,4,5-TP)	5 ug/mL
.EXHERBEASPIKE_00017	11/30/13		ULTRA SCIENTIFIC, Lot CG-1351		(Purchased Reagent)		2,4,5-T	50 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-D	200 ug/mL
							2,4-DB	200 ug/mL
							Dalapon	100 ug/mL
							Dicamba	100 ug/mL
							Dichlorprop	200 ug/mL
							Dinoseb	30 ug/mL
							MCPA	20000 ug/mL
							MCPP	20000 ug/mL
							Pentachlorophenol	25 ug/mL
							Silvex (2,4,5-TP)	50 ug/mL
EXHERBSURR_00012	05/28/13	08/28/12	MEOH, Lot 123279	500 mL	EXHERBSOILSUR_00010	2 mL	2,4-Dichlorophenylacetic acid	20 ug/mL
.EXHERBSOILSUR_00010	08/31/13		Ultra scientific, Lot CH-1733		(Purchased Reagent)		2,4-Dichlorophenylacetic acid	5000 ug/mL
EXHERBTSPIKEW_00007	02/28/13	01/20/11	ACETONE, Lot K42E14	250 mL	EXTCLPHERBSPK_00002	25 mL	2,4-D	2 ug/mL
							Silvex (2,4,5-TP)	0.5 ug/mL
.EXTCLPHERBSPK_00002	08/28/13	08/28/12	ACETONE, Lot K42E14	100 mL	EXHERBTCLPSPK_00006	1 mL	2,4-D	20 ug/mL
							Silvex (2,4,5-TP)	5 ug/mL
..EXHERBTCLPSPK_00006	08/31/14		ULTRA SCIENTIFIC, Lot CJ-2949		(Purchased Reagent)		2,4-D	2000 ug/mL
							Silvex (2,4,5-TP)	500 ug/mL
EXPSTNPDESSPW_00011	02/01/13	08/01/12	MEOH, Lot 117046	200 mL	EXPELCSSTOCK_00002	20 mL	4,4'-DDD	1 ug/mL
							4,4'-DDE	1 ug/mL
							4,4'-DDT	1 ug/mL
							Aldrin	1 ug/mL
							alpha-BHC	1 ug/mL
							alpha-Chlordane	1 ug/mL
							beta-BHC	1 ug/mL
							delta-BHC	1 ug/mL
							Dieldrin	1 ug/mL
							Endosulfan I	1 ug/mL
							Endosulfan II	1 ug/mL
							Endosulfan sulfate	1 ug/mL
							Endrin	1 ug/mL
							Endrin aldehyde	1 ug/mL
							Endrin ketone	1 ug/mL
							gamma-BHC (Lindane)	1 ug/mL
							gamma-Chlordane	1 ug/mL
							Heptachlor	1 ug/mL
							Heptachlor epoxide	1 ug/mL
							Methoxychlor	1 ug/mL
.EXPELCSSTOCK_00002	04/30/13	08/02/11	MEOH, Lot 117046	100 mL	EXPESTSTOCK_00005	1 mL	4,4'-DDD	10 ug/mL
							4,4'-DDE	10 ug/mL
							4,4'-DDT	10 ug/mL
							Aldrin	10 ug/mL
							alpha-BHC	10 ug/mL
							alpha-Chlordane	10 ug/mL
							beta-BHC	10 ug/mL
							delta-BHC	10 ug/mL
							Dieldrin	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Endosulfan I	10 ug/mL
							Endosulfan II	10 ug/mL
							Endosulfan sulfate	10 ug/mL
							Endrin	10 ug/mL
							Endrin aldehyde	10 ug/mL
							Endrin ketone	10 ug/mL
							gamma-BHC (Lindane)	10 ug/mL
							gamma-Chlordane	10 ug/mL
							Heptachlor	10 ug/mL
							Heptachlor epoxide	10 ug/mL
							Methoxychlor	10 ug/mL
..EXPESTSTOCK_00005	04/30/13		ULTRA, Lot CH-0689		(Purchased Reagent)		4,4'-DDD	1000 ug/mL
							4,4'-DDE	1000 ug/mL
							4,4'-DDT	1000 ug/mL
							Aldrin	1000 ug/mL
							alpha-BHC	1000 ug/mL
							alpha-Chlordane	1000 ug/mL
							beta-BHC	1000 ug/mL
							delta-BHC	1000 ug/mL
							Dieldrin	1000 ug/mL
							Endosulfan I	1000 ug/mL
							Endosulfan II	1000 ug/mL
							Endosulfan sulfate	1000 ug/mL
							Endrin	1000 ug/mL
							Endrin aldehyde	1000 ug/mL
							Endrin ketone	1000 ug/mL
							gamma-BHC (Lindane)	1000 ug/mL
							gamma-Chlordane	1000 ug/mL
							Heptachlor	1000 ug/mL
							Heptachlor epoxide	1000 ug/mL
							Methoxychlor	1000 ug/mL
EXRESTEKSPKW_00017	12/20/12	12/04/12	MEOH, Lot 123279	200 mL	EXBNARESSPK_00006	40 mL	1,1'-Biphenyl	20 ug/mL
							1,4-Dioxane	20 ug/mL
							2-Picoline	20 ug/mL
							Acetophenone	20 ug/mL
							Atrazine	20 ug/mL
							Benzaldehyde	20 ug/mL
							Caprolactam	20 ug/mL
							Chloroacetophenone	20 ug/mL
							Chlorobenzilate	20 ug/mL
							Ethyl methanesulfonate	20 ug/mL
							Phenacetin	20 ug/mL
							Phorate	20 ug/mL
							Pronamide	20 ug/mL
							Quinoline	20 ug/mL
							Safrole, Total	20 ug/mL
.EXBNARESSPK_00006	12/13/13		Restek, Lot A089172		(Purchased Reagent)		1,1'-Biphenyl	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dioxane	100 ug/mL
							2-Picoline	100 ug/mL
							Acetophenone	100 ug/mL
							Atrazine	100 ug/mL
							Benzaldehyde	100 ug/mL
							Caprolactam	100 ug/mL
							Chloroacetophenone	100 ug/mL
							Chlorobenzilate	100 ug/mL
							Ethyl methanesulfonate	100 ug/mL
							Phenacetin	100 ug/mL
							Phorate	100 ug/mL
							Pronamide	100 ug/mL
							Quinoline	100 ug/mL
							Safrole, Total	100 ug/mL
EXTCLPACETIC_00005	08/11/13	Mallinckrodt, Lot K25A17			(Purchased Reagent)		Acetic acid	1 g/g
EXTCLPBNALCSW_00027	06/30/13	12/05/12	MEOH, Lot 123279	200 mL	EXTCLPBNALCS_00007	40 mL	1,4-Dichlorobenzene	20 ug/mL
							2,4,5-Trichlorophenol	20 ug/mL
							2,4,6-Trichlorophenol	20 ug/mL
							2,4-Dinitrotoluene	20 ug/mL
							2-Methylphenol	20 ug/mL
							3 & 4 Methylphenol	40 ug/mL
							Hexachlorobenzene	20 ug/mL
							Hexachlorobutadiene	20 ug/mL
							Hexachloroethane	20 ug/mL
							Nitrobenzene	20 ug/mL
							Pentachlorophenol	20 ug/mL
							Pyridine	20 ug/mL
.EXTCLPBNALCS_00007	06/30/13	SUPELCO, Lot LB93716			(Purchased Reagent)		1,4-Dichlorobenzene	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2-Methylphenol	100 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	100 ug/mL
							Pyridine	100 ug/mL
EXTCLPFILTERS_00012	11/08/14	Whatman, Lot 9198630			(Purchased Reagent)		Prep Analyte	100 No Unit
EXTCLPHCLW_00018	11/19/13	11/19/12	DIWATER, Lot 11/19/2012	1000 mL	MTHCL_00047	83 mL	Hydrogen Chloride	83 mol/L
.MTHCL_00047	11/12/14	Macron Chemical, Lot 0000013500			(Purchased Reagent)		Hydrogen Chloride	100 %
EXTCLPHERBSUR_00012	11/30/12	10/22/12	MEOH, Lot 123279	250 mL	EXHERBSURR_00011	25 mL	2,4-Dichlorophenylacetic acid	2 ug/mL
.EXHERBSURR_00011	11/30/12	08/28/12	MEOH, Lot 117046	500 mL	EXHERBSOILSUR_00009	2 mL	2,4-Dichlorophenylacetic acid	20 ug/mL
..EXHERBSOILSUR_00009	11/30/12	Ultra scientific, Lot CH-3249			(Purchased Reagent)		2,4-Dichlorophenylacetic acid	5000 ug/mL
EXTCLPNAOH_00010	03/11/13	Macron, Lot 0000010679			(Purchased Reagent)		Sodium Hydroxide	1 g/g

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
EXTCLPPESTSPW_00009	12/31/12	11/28/12	MEOH, Lot 123279	200 mL	EXTCLPPEST_00005	1 mL	Endrin	0.5 ug/mL
							gamma-BHC (Lindane)	0.5 ug/mL
							Heptachlor	0.5 ug/mL
							Heptachlor epoxide	0.5 ug/mL
							Methoxychlor	1 ug/mL
.EXTCLPPEST_00005	12/31/11	Ultra Scientific, Lot CG-4108			(Purchased Reagent)		Endrin	100 ug/mL
							gamma-BHC (Lindane)	100 ug/mL
							Heptachlor	100 ug/mL
							Heptachlor epoxide	100 ug/mL
							Methoxychlor	200 ug/mL
EXTPHSURR_00016	04/30/13	10/31/12	MECL2, Lot 0000018772	1000 mL	EXTPHSTOCK_00006	5 mL	n-Nonane	500 ug/mL
.EXTPHSTOCK_00006	06/05/13	06/05/12	MECL2, Lot L12E15	50 mL	EXNONANE_00002	5 g	n-Nonane	100000 ug/g
..EXNONANE_00002	06/04/14	Sigma-Aldrich, Lot STBC5938V			(Purchased Reagent)		n-Nonane	1000000 ug/g
EXZHEFILTERS_00001	09/16/13	Environmental, Lot 9440501			(Purchased Reagent)		Prep Analyte	100 No Unit
MT1to1HCL_00019	11/05/14	11/13/12	DIWATER, Lot DIWATER	2500 mL	MTHCL_00046	1250 mL	Hydrogen Chloride	0.5 mL/mL
.MTHCL_00046	11/05/14	Macron Chemical, Lot 0000013500			(Purchased Reagent)		Hydrogen Chloride	100 %
MT6500CCV_00021	03/21/13	12/06/12	DIWATER, Lot DIWATER	2000 mL	MTTRCAL3_00003	1 mL	Arsenic	500 ug/L
							Cadmium	500 ug/L
							Lead	500 ug/L
							Selenium	500 ug/L
					MTTRCAL4_00007	4 mL	Barium	2000 ug/L
							Chromium	2000 ug/L
					MTTRCAL5_00006	10 mL	Silver	1000 ug/L
.MTTRCAL3_00003	03/21/13	HIGH PURITY STANDARDS, Lot 1207637			(Purchased Reagent)		Arsenic	1000 mg/L
							Cadmium	1000 mg/L
							Lead	1000 mg/L
							Selenium	1000 mg/L
.MTTRCAL4_00007	07/30/13	HIGH PURITY STANDARDS, Lot 1220911			(Purchased Reagent)		Barium	1000 ug/mL
							Chromium	1000 ug/mL
.MTTRCAL5_00006	07/19/13	high purity, Lot 1219933			(Purchased Reagent)		Silver	200 ug/mL
MT6500CRIW_00006	02/01/13	08/01/12	DIWATER, Lot DIWATER	1000 mL	MTTRCRI_00004	10 mL	Arsenic	15 ug/L
							Barium	10 ug/L
							Cadmium	5 ug/L
							Chromium	5 ug/L
							Lead	10 ug/L
							Selenium	20 ug/L
							Silver	5 ug/L
.MTTRCRI_00004	07/30/13	HIGH PURITY STANDARDS, Lot 1220822			(Purchased Reagent)		Arsenic	1.5 ug/mL
							Barium	1 ug/mL
							Cadmium	0.5 ug/mL
							Chromium	0.5 ug/mL
							Lead	1 ug/mL
							Selenium	2 ug/mL
							Silver	0.5 ug/mL
MT6500ICSAB2W_00005	06/06/13	11/06/12	DIWATER, Lot DIWATER	1000 mL	MTTRICSA_00009	100 mL	Aluminum	500000 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Calcium	500000 ug/L
							Iron	200000 ug/L
							Magnesium	500000 ug/L
					MTTRICSAB_00005	100 mL	Antimony	1000 ug/L
							Arsenic	1000 ug/L
							Barium	500 ug/L
							Beryllium	500 ug/L
							Cadmium	1000 ug/L
							Chromium	500 ug/L
							Cobalt	500 ug/L
							Copper	500 ug/L
							Lead	1000 ug/L
							Manganese	500 ug/L
							Mo	1000 ug/L
							Nickel	1000 ug/L
							Potassium	10000 ug/L
							Selenium	1000 ug/L
							Silver	1000 ug/L
							Sodium	10000 ug/L
							Thallium	1000 ug/L
							Vanadium	500 ug/L
							Zinc	1000 ug/L
.MTTRICSA_00009	07/01/13	INORGANIC VENTURES, Lot F2MEB414132			(Purchased Reagent)		Aluminum	5000 ug/mL
							Calcium	5000 ug/mL
							Iron	2000 ug/mL
							Magnesium	5000 ug/mL
.MTTRICSAB_00005	06/15/13	HIGH PURITY STANDARDS, Lot 1216709			(Purchased Reagent)		Antimony	10 ug/mL
							Arsenic	10 ug/mL
							Barium	5 ug/mL
							Beryllium	5 ug/mL
							Cadmium	10 ug/mL
							Chromium	5 ug/mL
							Cobalt	5 ug/mL
							Copper	5 ug/mL
							Lead	10 ug/mL
							Manganese	5 ug/mL
							Mo	10 ug/mL
							Nickel	10 ug/mL
							Potassium	100 ug/mL
							Selenium	10 ug/mL
							Silver	10 ug/mL
							Sodium	100 ug/mL
							Thallium	10 ug/mL
							Vanadium	5 ug/mL
							Zinc	10 ug/mL
MT6500ICV_00007	01/22/13	11/05/12	DIWATER, Lot DIWATER	1000 mL	MTTRICV3_00002	6 mL	Barium	1500 ug/L
							Chromium	1500 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MTTRICV5_00007	1.5 mL	Arsenic	375 ug/L
							Cadmium	375 ug/L
							Lead	375 ug/L
							Selenium	375 ug/L
					MTTRICVAG_00003	7.5 mL	Silver	750 ug/L
.MTTRICV3_00002	05/21/13	CPI, Lot 11K181			(Purchased Reagent)		Barium	250 ug/mL
							Chromium	250 ug/mL
.MTTRICV5_00007	01/22/13	CPI, Lot 11G112			(Purchased Reagent)		Arsenic	250 ug/mL
							Cadmium	250 ug/mL
							Lead	250 ug/mL
							Selenium	250 ug/mL
.MTTRICVAG_00003	09/19/13	CPI, Lot 11LI192			(Purchased Reagent)		Silver	100 ug/mL
MTAGSPIKEW_00024	04/05/13	12/12/12	DIWATER, Lot DIWATER	500 mL	MTAGstock_00003	1.25 mL	Silver	2500 ug/L
					MTHNO3_00038	25 mL	Nitric acid	50000000 ug/L
.MTAGstock_00003	04/05/13	High Purity Standards, Lot 1108017			(Purchased Reagent)		Silver	1000 ug/mL
.MTHNO3_00038	11/28/14	Macron Chemicals, Lot L03021			(Purchased Reagent)		Nitric acid	100 %
MTH2S04_00010	10/09/14	Macron, Lot K20042			(Purchased Reagent)		Sulfuric acid	100 %
MTH2S04_00011	12/17/14	Macron, Lot 0000020228			(Purchased Reagent)		Sulfuric acid	100 %
MTHGCALW_00293	12/19/12	12/19/12	DIWATER, Lot DIWATER	100 mL	MTHGCAL_00006	1 mL	Hg	100 ug/L
					MTHNO3_00038	0.15 mL	Nitric acid	1500000 ug/L
.MTHGCAL_00006	08/20/13	High Purity, Lot 1221902			(Purchased Reagent)		Hg	10 ug/mL
.MTHNO3_00038	11/28/14	Macron Chemicals, Lot L03021			(Purchased Reagent)		Nitric acid	100 %
MTHGCALW_00295	12/28/12	12/28/12	DIWATER, Lot DIWATER	100 mL	MTHGCAL_00006	1 mL	Hg	100 ug/L
					MTHNO3_00039	0.15 mL	Nitric acid	1500000 ug/L
.MTHGCAL_00006	08/20/13	High Purity, Lot 1221902			(Purchased Reagent)		Hg	10 ug/mL
.MTHNO3_00039	12/12/14	Macron Chemicals, Lot K47022			(Purchased Reagent)		Nitric acid	100 %
MTHGICVW_00452	12/19/12	12/19/12	DIWATER, Lot DIWATER	100 mL	MTHgStd_00007	1 mL	Hg	500 ug/L
					MTHNO3_00038	0.15 mL	Nitric acid	1500000 ug/L
.MTHgStd_00007	02/16/14	CPI, Lot 10E072			(Purchased Reagent)		Hg	50 ug/mL
.MTHNO3_00038	11/28/14	Macron Chemicals, Lot L03021			(Purchased Reagent)		Nitric acid	100 %
MTHGICVW_00453	12/20/12	12/20/12	DIWATER, Lot DIWATER	100 mL	MTHgStd_00007	1 mL	Hg	500 ug/L
					MTHNO3_00038	0.15 mL	Nitric acid	1500000 ug/L
.MTHgStd_00007	02/16/14	CPI, Lot 10E072			(Purchased Reagent)		Hg	50 ug/mL
.MTHNO3_00038	11/28/14	Macron Chemicals, Lot L03021			(Purchased Reagent)		Nitric acid	100 %
MTHGICVW_00456	12/27/12	12/27/12	DIWATER, Lot DIWATER	100 mL	MTHgStd_00007	1 mL	Hg	500 ug/L
					MTHNO3_00039	0.15 mL	Nitric acid	1500000 ug/L
.MTHgStd_00007	02/16/14	CPI, Lot 10E072			(Purchased Reagent)		Hg	50 ug/mL
.MTHNO3_00039	12/12/14	Macron Chemicals, Lot K47022			(Purchased Reagent)		Nitric acid	100 %
MTHGICVW_00457	12/28/12	12/28/12	DIWATER, Lot DIWATER	100 mL	MTHgStd_00007	1 mL	Hg	500 ug/L
					MTHNO3_00039	0.15 mL	Nitric acid	1500000 ug/L
.MTHgStd_00007	02/16/14	CPI, Lot 10E072			(Purchased Reagent)		Hg	50 ug/mL
.MTHNO3_00039	12/12/14	Macron Chemicals, Lot K47022			(Purchased Reagent)		Nitric acid	100 %
							Nitric acid	100 %
MTICP1_00019	03/04/13	09/04/12	DIWATER, Lot DI WATER	2000 mL	MTHNO3_00032	100 mL	Nitric acid	50000000 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MTICPSPIKE1A_00004	100 mL	Aluminum	100000 ug/L
							Arsenic	100000 ug/L
							B	50000 ug/L
							Barium	100000 ug/L
							Beryllium	2500 ug/L
							Cadmium	2500 ug/L
							Chromium	10000 ug/L
							Cobalt	25000 ug/L
							Copper	12500 ug/L
							Iron	50000 ug/L
							Lead	25000 ug/L
							Manganese	25000 ug/L
							Nickel	25000 ug/L
							Selenium	100000 ug/L
							Thallium	100000 ug/L
							Vanadium	25000 ug/L
							Zinc	25000 ug/L
					MTICPSPIKEB_00004	100 mL	Antimony	25000 ug/L
							Mo	50000 ug/L
							Sn	100000 ug/L
							Ti	50000 ug/L
					MTICPSpikeOdd_00001	100 mL	Li	50000 ug/L
							Si	50000 ug/L
							SiO2	107000 ug/L
							Sr	50000 ug/L
.MTHNO3_00032	08/17/14		Macron Chemicals, Lot L03021		(Purchased Reagent)		Nitric acid	100 %
.MTICPSPIKE1A_00004	03/06/13		High Purity Standards, Lot 1206114		(Purchased Reagent)		Aluminum	2000 ug/mL
							Arsenic	2000 ug/mL
							B	1000 ug/mL
							Barium	2000 ug/mL
							Beryllium	50 ug/mL
							Cadmium	50 ug/mL
							Chromium	200 ug/mL
							Cobalt	500 ug/mL
							Copper	250 ug/mL
							Iron	1000 ug/mL
							Lead	500 ug/mL
							Manganese	500 ug/mL
							Nickel	500 ug/mL
							Selenium	2000 ug/mL
							Thallium	2000 ug/mL
							Vanadium	500 ug/mL
							Zinc	500 ug/mL
.MTICPSPIKEB_00004	03/06/13		High Purity Standards, Lot 1206115		(Purchased Reagent)		Antimony	500 ug/mL
							Mo	1000 ug/mL
							Sn	2000 ug/mL
							Ti	1000 ug/mL
.MTICPSpikeOdd_00001	04/12/13		High Purity Standards, Lot 1210111		(Purchased Reagent)		Li	1000 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Si	1000 ug/mL
							SiO2	2140 ug/mL
							Sr	1000 ug/mL
MTK2S208RGNT_00031	12/17/14	12/17/12	DIWATER, Lot 117411	2 L	MTK2S208_00008	100 g	Potassium persulfate	0.05 g/g
.MTK2S208_00008	10/03/17	Fisher, Lot 117411			(Purchased Reagent)		Potassium persulfate	1 g/g
MTK2S2O8Liq_00017	10/31/13	Ricca Chemical, Lot 2211033			(Purchased Reagent)		Potassium persulfate	1 g
MTKMnO4Liq_00010	11/30/14	Ricca Chemical Company, Lot 2212081			(Purchased Reagent)		Potassium Permanganate	1 g
MTNONRCRA_00005	07/19/13	High Purity Standards, Lot 1219916			(Purchased Reagent)		Aluminum	100 ug/mL
							Antimony	25 ug/mL
							B	50 ug/mL
							Beryllium	2.5 ug/mL
							Cobalt	25 ug/mL
							Copper	12.5 ug/mL
							Iron	50 ug/mL
							Manganese	25 ug/mL
							Mo	50 ug/mL
							Nickel	25 ug/mL
							Sn	100 ug/mL
							Thallium	100 ug/mL
							Vanadium	25 ug/mL
							Zinc	25 ug/mL
MTRCRA_00005	07/19/13	High Purity Standards, Lot 1219932			(Purchased Reagent)		Arsenic	500 mg/L
							Barium	5000 mg/L
							Cadmium	100 mg/L
							Chromium	500 mg/L
							Lead	500 mg/L
							Selenium	100 mg/L
							Silver	100 mg/L
MTTRICSAW_00014	04/01/13	07/12/12	DIWATER, Lot DIWATER	1000 mL	MTTRICSA_00008	100 mL	Aluminum	500000 ug/L
							Calcium	500000 ug/L
							Iron	200000 ug/L
							Magnesium	500000 ug/L
.MTTRICSA_00008	04/01/13	INORGANIC VENTURES, Lot E2-MEB348035			(Purchased Reagent)		Aluminum	5000 ug/mL
							Calcium	5000 ug/mL
							Iron	2000 ug/mL
							Magnesium	5000 ug/mL
MTTRQSMASPIKE_00005	08/20/13	HIGH PURITY STANDARDS, Lot 1222912			(Purchased Reagent)		Arsenic	30 mg/L
							Barium	5 mg/L
							Cadmium	35 mg/L
							Chromium	20 mg/L
							Lead	15 mg/L
							Selenium	40 mg/L
							Silver	10 mg/L
SG 1660 ICV_00003	07/03/13	07/03/12	HEXANE, Lot K42e19	10 mL	SG 1016 ICV_00004	1 mL	Aroclor-1016	10 ug/mL
					SG 1260 ICV_00005	1 mL	Aroclor-1260	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.SG 1016 ICV_00004	03/31/17	ULTRA, Lot CF-0785			(Purchased Reagent)		Aroclor-1016	100 ug/mL
.SG 1260 ICV_00005	12/31/14	ULTRA, Lot CC-3829			(Purchased Reagent)		Aroclor-1260	100 ug/mL
SG1221ICV_00006	08/27/13	08/27/12	HEXANE, Lot L03E01	10 mL	SG 1221 ICV_00003	1 mL	Aroclor-1221	10000 ug/L
.SG 1221 ICV_00003	12/31/14	Ultra Scientific, Lot CB-1791z			(Purchased Reagent)		Aroclor-1221	100 ug/mL
SG1232@0.05PP_00005	12/05/12	06/05/12	HEXANE, Lot J42E19	100 mL	SG1232@10ppm_00002	0.5 mL	PCB-1232 Peak 1	0.05 ug/mL
							PCB-1232 Peak 2	0.05 ug/mL
							PCB-1232 Peak 3	0.05 ug/mL
							PCB-1232 Peak 4	0.05 ug/mL
							PCB-1232 Peak 5	0.05 ug/mL
.SG1232@10ppm_00002	12/08/12	12/08/11	HEXANE, Lot K14e23	100 mL	SGPCB1232STD_00004	1 mL	PCB-1232 Peak 1	10 ug/mL
							PCB-1232 Peak 2	10 ug/mL
							PCB-1232 Peak 3	10 ug/mL
							PCB-1232 Peak 4	10 ug/mL
							PCB-1232 Peak 5	10 ug/mL
..SGPCB1232STD_00004	06/09/14	restek, Lot a052599			(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
SG1232@0.1PPM_00004	12/05/12	06/05/12	HEXANE, Lot K42E19	100 mL	SG1232@10ppm_00002	1 mL	PCB-1232 Peak 1	0.1 ug/mL
							PCB-1232 Peak 2	0.1 ug/mL
							PCB-1232 Peak 3	0.1 ug/mL
							PCB-1232 Peak 4	0.1 ug/mL
							PCB-1232 Peak 5	0.1 ug/mL
.SG1232@10ppm_00002	12/08/12	12/08/11	HEXANE, Lot K14e23	100 mL	SGPCB1232STD_00004	1 mL	PCB-1232 Peak 1	10 ug/mL
							PCB-1232 Peak 2	10 ug/mL
							PCB-1232 Peak 3	10 ug/mL
							PCB-1232 Peak 4	10 ug/mL
							PCB-1232 Peak 5	10 ug/mL
..SGPCB1232STD_00004	06/09/14	restek, Lot a052599			(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
SG1232@0.2PPM_00004	12/05/12	06/05/12	HEXANE, Lot K42e19	100 mL	SG1232@10ppm_00002	2 mL	PCB-1232 Peak 1	0.2 ug/mL
							PCB-1232 Peak 2	0.2 ug/mL
							PCB-1232 Peak 3	0.2 ug/mL
							PCB-1232 Peak 4	0.2 ug/mL
							PCB-1232 Peak 5	0.2 ug/mL
.SG1232@10ppm_00002	12/08/12	12/08/11	HEXANE, Lot K14e23	100 mL	SGPCB1232STD_00004	1 mL	PCB-1232 Peak 1	10 ug/mL
							PCB-1232 Peak 2	10 ug/mL
							PCB-1232 Peak 3	10 ug/mL
							PCB-1232 Peak 4	10 ug/mL
							PCB-1232 Peak 5	10 ug/mL
..SGPCB1232STD_00004	06/09/14	restek, Lot a052599			(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
SG1232@0.5PPM_00008	12/08/12	07/12/12	HEXANE, Lot K42e19	100 mL	SG1232@10ppm_00002	5 mL	PCB-1232 Peak 1	0.5 ug/mL
							PCB-1232 Peak 2	0.5 ug/mL
							PCB-1232 Peak 3	0.5 ug/mL
							PCB-1232 Peak 4	0.5 ug/mL
							PCB-1232 Peak 5	0.5 ug/mL
.SG1232@10ppm_00002	12/08/12	12/08/11	HEXANE, Lot K14e23	100 mL	SGPCB1232STD_00004	1 mL	PCB-1232 Peak 1	10 ug/mL
							PCB-1232 Peak 2	10 ug/mL
							PCB-1232 Peak 3	10 ug/mL
							PCB-1232 Peak 4	10 ug/mL
							PCB-1232 Peak 5	10 ug/mL
..SGPCB1232STD_00004	06/09/14		restek, Lot a052599		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
SG1232@1.0PPM_00004	12/05/12	06/05/12	HEXANE, Lot K42E19	100 mL	SG1232@10ppm_00002	10 mL	PCB-1232 Peak 1	1 ug/mL
							PCB-1232 Peak 2	1 ug/mL
							PCB-1232 Peak 3	1 ug/mL
							PCB-1232 Peak 4	1 ug/mL
							PCB-1232 Peak 5	1 ug/mL
.SG1232@10ppm_00002	12/08/12	12/08/11	HEXANE, Lot K14e23	100 mL	SGPCB1232STD_00004	1 mL	PCB-1232 Peak 1	10 ug/mL
							PCB-1232 Peak 2	10 ug/mL
							PCB-1232 Peak 3	10 ug/mL
							PCB-1232 Peak 4	10 ug/mL
							PCB-1232 Peak 5	10 ug/mL
..SGPCB1232STD_00004	06/09/14		restek, Lot a052599		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
SG1232@2.0PPM_00004	12/05/12	06/05/12	HEXANE, Lot K42E19	100 mL	SG1232@10ppm_00002	20 mL	PCB-1232 Peak 1	2 ug/mL
							PCB-1232 Peak 2	2 ug/mL
							PCB-1232 Peak 3	2 ug/mL
							PCB-1232 Peak 4	2 ug/mL
							PCB-1232 Peak 5	2 ug/mL
.SG1232@10ppm_00002	12/08/12	12/08/11	HEXANE, Lot K14e23	100 mL	SGPCB1232STD_00004	1 mL	PCB-1232 Peak 1	10 ug/mL
							PCB-1232 Peak 2	10 ug/mL
							PCB-1232 Peak 3	10 ug/mL
							PCB-1232 Peak 4	10 ug/mL
							PCB-1232 Peak 5	10 ug/mL
..SGPCB1232STD_00004	06/09/14		restek, Lot a052599		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1232 Peak 5	1000 ug/mL
SG1232ICV_00003	05/16/13	05/16/12	HEXANE, Lot K42E19	10 mL	SG 1232 ICV_00003	1 mL	Aroclor-1232	10 ug/mL
.SG 1232 ICV_00003	10/31/14	Ultra Scientific, Lot CG-3213			(Purchased Reagent)		Aroclor-1232	100 ug/mL
SG1242@.05ppm_00004	01/03/13	07/03/12	HEXANE, Lot k142e19	100 mL	SG1242@10ppm_00002	0.5 mL	PCB-1242 Peak 1	0.05 ug/mL
							PCB-1242 Peak 2	0.05 ug/mL
							PCB-1242 Peak 3	0.05 ug/mL
							PCB-1242 Peak 4	0.05 ug/mL
							PCB-1242 Peak 5	0.05 ug/mL
.SG1242@10ppm_00002	01/05/13	01/05/12	HEXANE, Lot K14e23	100 mL	SG1242_00002	1 mL	PCB-1242 Peak 1	10 ug/mL
							PCB-1242 Peak 2	10 ug/mL
							PCB-1242 Peak 3	10 ug/mL
							PCB-1242 Peak 4	10 ug/mL
							PCB-1242 Peak 5	10 ug/mL
..SG1242_00002	07/31/16	Restek, Lot A068369			(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
SG1242@0.1ppm_00004	01/03/13	07/03/12	HEXANE, Lot K42e19	100 mL	SG1242@10ppm_00002	1 mL	PCB-1242 Peak 1	0.1 ug/mL
							PCB-1242 Peak 2	0.1 ug/mL
							PCB-1242 Peak 3	0.1 ug/mL
							PCB-1242 Peak 4	0.1 ug/mL
							PCB-1242 Peak 5	0.1 ug/mL
.SG1242@10ppm_00002	01/05/13	01/05/12	HEXANE, Lot K14e23	100 mL	SG1242_00002	1 mL	PCB-1242 Peak 1	10 ug/mL
							PCB-1242 Peak 2	10 ug/mL
							PCB-1242 Peak 3	10 ug/mL
							PCB-1242 Peak 4	10 ug/mL
							PCB-1242 Peak 5	10 ug/mL
..SG1242_00002	07/31/16	Restek, Lot A068369			(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
SG1242@0.2ppm_00004	01/03/13	07/03/12	HEXANE, Lot K42e19	100 mL	SG1242@10ppm_00002	2 mL	PCB-1242 Peak 1	0.2 ug/mL
							PCB-1242 Peak 2	0.2 ug/mL
							PCB-1242 Peak 3	0.2 ug/mL
							PCB-1242 Peak 4	0.2 ug/mL
							PCB-1242 Peak 5	0.2 ug/mL
.SG1242@10ppm_00002	01/05/13	01/05/12	HEXANE, Lot K14e23	100 mL	SG1242_00002	1 mL	PCB-1242 Peak 1	10 ug/mL
							PCB-1242 Peak 2	10 ug/mL
							PCB-1242 Peak 3	10 ug/mL
							PCB-1242 Peak 4	10 ug/mL
							PCB-1242 Peak 5	10 ug/mL
..SG1242_00002	07/31/16	Restek, Lot A068369			(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
SG1242@0.5ppm_00006	01/03/13	07/03/12	HEXANE, Lot K42e19	100 mL	SG1242@10ppm_00002	5 mL	PCB-1242 Peak 1	0.5 ug/mL
							PCB-1242 Peak 2	0.5 ug/mL
							PCB-1242 Peak 3	0.5 ug/mL
							PCB-1242 Peak 4	0.5 ug/mL
							PCB-1242 Peak 5	0.5 ug/mL
.SG1242@10ppm_00002	01/05/13	01/05/12	HEXANE, Lot K14e23	100 mL	SG1242_00002	1 mL	PCB-1242 Peak 1	10 ug/mL
							PCB-1242 Peak 2	10 ug/mL
							PCB-1242 Peak 3	10 ug/mL
							PCB-1242 Peak 4	10 ug/mL
							PCB-1242 Peak 5	10 ug/mL
..SG1242_00002	07/31/16		Restek, Lot A068369		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
SG1242@1.0ppm_00004	01/03/13	07/03/12	HEXANE, Lot K42e19	100 mL	SG1242@10ppm_00002	10 mL	PCB-1242 Peak 1	1 ug/mL
							PCB-1242 Peak 2	1 ug/mL
							PCB-1242 Peak 3	1 ug/mL
							PCB-1242 Peak 4	1 ug/mL
							PCB-1242 Peak 5	1 ug/mL
.SG1242@10ppm_00002	01/05/13	01/05/12	HEXANE, Lot K14e23	100 mL	SG1242_00002	1 mL	PCB-1242 Peak 1	10 ug/mL
							PCB-1242 Peak 2	10 ug/mL
							PCB-1242 Peak 3	10 ug/mL
							PCB-1242 Peak 4	10 ug/mL
							PCB-1242 Peak 5	10 ug/mL
..SG1242_00002	07/31/16		Restek, Lot A068369		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
SG1242@2.0ppm_00004	01/03/13	07/03/12	HEXANE, Lot K42e19	100 mL	SG1242@10ppm_00002	20 mL	PCB-1242 Peak 1	2 ug/mL
							PCB-1242 Peak 2	2 ug/mL
							PCB-1242 Peak 3	2 ug/mL
							PCB-1242 Peak 4	2 ug/mL
							PCB-1242 Peak 5	2 ug/mL
.SG1242@10ppm_00002	01/05/13	01/05/12	HEXANE, Lot K14e23	100 mL	SG1242_00002	1 mL	PCB-1242 Peak 1	10 ug/mL
							PCB-1242 Peak 2	10 ug/mL
							PCB-1242 Peak 3	10 ug/mL
							PCB-1242 Peak 4	10 ug/mL
							PCB-1242 Peak 5	10 ug/mL
..SG1242_00002	07/31/16		Restek, Lot A068369		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
SG1242ICV_00003	08/09/13	08/09/12	HEXANE, Lot L08E17	10 mL	SG 1242 ICV_00003	1 mL	Aroclor-1242	10 ug/mL
.SG 1242 ICV_00003	09/30/19	Ultra Scientific, Lot CH-2711			(Purchased Reagent)		Aroclor-1242	100 ug/mL
SG1248@.05ppm_00006	01/04/13	07/04/12	HEXANE, Lot K42E19	100 mL	SG1248@10ppm_00003	0.5 mL	PCB-1248 Peak 1	0.05 ug/mL
							PCB-1248 Peak 2	0.05 ug/mL
							PCB-1248 Peak 3	0.05 ug/mL
							PCB-1248 Peak 4	0.05 ug/mL
							PCB-1248 Peak 5	0.05 ug/mL
.SG1248@10ppm_00003	01/05/13	01/05/12	Hexane, Lot K14e23	100 mL	SG1248_00001	1 mL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
..SG1248_00001	04/20/15	Restek, Lot A059172			(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
SG1248@0.1PPM_00005	01/04/13	07/04/12	HEXANE, Lot k42E19	100 mL	SG1248@10ppm_00003	1 mL	PCB-1248 Peak 1	0.1 ug/mL
							PCB-1248 Peak 2	0.1 ug/mL
							PCB-1248 Peak 3	0.1 ug/mL
							PCB-1248 Peak 4	0.1 ug/mL
							PCB-1248 Peak 5	0.1 ug/mL
.SG1248@10ppm_00003	01/05/13	01/05/12	Hexane, Lot K14e23	100 mL	SG1248_00001	1 mL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
..SG1248_00001	04/20/15	Restek, Lot A059172			(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
SG1248@0.2ppm_00005	01/04/13	07/04/12	HEXANE, Lot K42E19	100 mL	SG1248@10ppm_00003	2 mL	PCB-1248 Peak 1	0.2 ug/mL
							PCB-1248 Peak 2	0.2 ug/mL
							PCB-1248 Peak 3	0.2 ug/mL
							PCB-1248 Peak 4	0.2 ug/mL
							PCB-1248 Peak 5	0.2 ug/mL
.SG1248@10ppm_00003	01/05/13	01/05/12	Hexane, Lot K14e23	100 mL	SG1248_00001	1 mL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
..SG1248_00001	04/20/15	Restek, Lot A059172			(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1248 Peak 5	1000 ug/mL
SG1248@0.5ppm_00006	01/04/13	07/04/12	HEXANE, Lot K42e19	100 mL	SG1248@10ppm_00003	5 mL	PCB-1248 Peak 1	0.5 ug/mL
							PCB-1248 Peak 2	0.5 ug/mL
							PCB-1248 Peak 3	0.5 ug/mL
							PCB-1248 Peak 4	0.5 ug/mL
							PCB-1248 Peak 5	0.5 ug/mL
.SG1248@10ppm_00003	01/05/13	01/05/12	Hexane, Lot K14e23	100 mL	SG1248_00001	1 mL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
..SG1248_00001	04/20/15	Restek, Lot A059172			(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
SG1248@1.0ppm_00004	01/04/13	07/04/12	HEXANE, Lot K42e19	100 mL	SG1248@10ppm_00003	10 mL	PCB-1248 Peak 1	1 ug/mL
							PCB-1248 Peak 2	1 ug/mL
							PCB-1248 Peak 3	1 ug/mL
							PCB-1248 Peak 4	1 ug/mL
							PCB-1248 Peak 5	1 ug/mL
.SG1248@10ppm_00003	01/05/13	01/05/12	Hexane, Lot K14e23	100 mL	SG1248_00001	1 mL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
..SG1248_00001	04/20/15	Restek, Lot A059172			(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
SG1248@2.0ppm_00004	01/04/13	07/04/12	HEXANE, Lot K42e19	100 mL	SG1248@10ppm_00003	20 mL	PCB-1248 Peak 1	2 ug/mL
							PCB-1248 Peak 2	2 ug/mL
							PCB-1248 Peak 3	2 ug/mL
							PCB-1248 Peak 4	2 ug/mL
							PCB-1248 Peak 5	2 ug/mL
.SG1248@10ppm_00003	01/05/13	01/05/12	Hexane, Lot K14e23	100 mL	SG1248_00001	1 mL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
..SG1248_00001	04/20/15	Restek, Lot A059172			(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
SG1248ICV_00005	02/20/13	02/20/12	HEXANE, Lot K29E03	10 mL	SG 1248 ICV_00003	1 mL	Aroclor-1248	10 ug/mL
.SG 1248 ICV_00003	11/30/19	Ultra Scientific, Lot CH-3256			(Purchased Reagent)		Aroclor-1248	100 ug/mL
SG1254ICV_00004	02/22/13	02/22/12	HEXANE, Lot K29e03	10 mL	SG 1254 ICV_00003	1 mL	Aroclor-1254	10 ug/mL
.SG 1254 ICV_00003	05/31/17	Ultra Scientific, Lot CF-1469			(Purchased Reagent)		Aroclor-1254	100 ug/mL
SG1660@.05PPM_00005	03/03/13	09/03/12	HEXANE, Lot 0000013019	100 mL	SG1016/1260_00005	0.5 mL	Aroclor-1016	0.05 ug/mL
							Aroclor-1260	0.05 ug/mL
							PCB-1016 Peak 1	0.05 ug/mL
							PCB-1016 Peak 2	0.05 ug/mL
							PCB-1016 Peak 3	0.05 ug/mL
							PCB-1016 Peak 4	0.05 ug/mL
							PCB-1016 Peak 5	0.05 ug/mL
							PCB-1260 Peak 1	0.05 ug/mL
							PCB-1260 Peak 2	0.05 ug/mL
							PCB-1260 Peak 3	0.05 ug/mL
							PCB-1260 Peak 4	0.05 ug/mL
							PCB-1260 Peak 5	0.05 ug/mL
					SGPCGSURRSTK_00003	0.125 mL	DCB Decachlorobiphenyl	0.0025 ug/mL
							Tetrachloro-m-xylene	0.0025 ug/mL
.SG1016/1260_00005	05/30/13	05/30/12	HEXANE, Lot K42e19	100 mL	SG1016/1260MX_00004	1 mL	Aroclor-1016	10 ug/mL
							Aroclor-1260	10 ug/mL
							PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..SG1016/1260MX_00004	08/31/18	Restek, Lot a082781			(Purchased Reagent)		Aroclor-1016	1000 ug/mL
							Aroclor-1260	1000 ug/mL
							PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.SGPCGSURRSTK_00003	08/31/13	08/31/12	HEXANE, Lot L03E01	100 mL	SGPCBSURRMX_00004	1 mL	DCB Decachlorobiphenyl	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
..SGPCBSURRMX_00004	07/31/16	restek, Lot a065184			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SG1660@0.2ppm_00005	03/03/13	09/03/12	HEXANE, Lot 0000013019	100 mL	SG1016/1260_00005	2 mL	PCB-1016 Peak 1	0.2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1016 Peak 2	0.2 ug/mL
							PCB-1016 Peak 3	0.2 ug/mL
							PCB-1016 Peak 4	0.2 ug/mL
							PCB-1016 Peak 5	0.2 ug/mL
							PCB-1260 Peak 1	0.2 ug/mL
							PCB-1260 Peak 2	0.2 ug/mL
							PCB-1260 Peak 3	0.2 ug/mL
							PCB-1260 Peak 4	0.2 ug/mL
							PCB-1260 Peak 5	0.2 ug/mL
					SGPCGSURRSTK_00003	0.5 mL	DCB Decachlorobiphenyl	0.01 ug/mL
							Tetrachloro-m-xylene	0.01 ug/mL
.SG1016/1260_00005	05/30/13	05/30/12	HEXANE, Lot K42e19	100 mL	SG1016/1260MX_00004	1 mL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..SG1016/1260MX_00004	08/31/18	Restek, Lot a082781			(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.SGPCGSURRSTK_00003	08/31/13	08/31/12	HEXANE, Lot L03E01	100 mL	SGPCBSURRMX_00004	1 mL	DCB Decachlorobiphenyl	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
..SGPCBSURRMX_00004	07/31/16	restek, Lot a065184			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SG1660@0.5PPM_00012	03/03/13	09/03/12	HEXANE, Lot 0000013019	200 mL	SG1016/1260_00005	10 mL	PCB-1016 Peak 1	0.5 ug/mL
							PCB-1016 Peak 2	0.5 ug/mL
							PCB-1016 Peak 3	0.5 ug/mL
							PCB-1016 Peak 4	0.5 ug/mL
							PCB-1016 Peak 5	0.5 ug/mL
							PCB-1260 Peak 1	0.5 ug/mL
							PCB-1260 Peak 2	0.5 ug/mL
							PCB-1260 Peak 3	0.5 ug/mL
							PCB-1260 Peak 4	0.5 ug/mL
							PCB-1260 Peak 5	0.5 ug/mL
					SGPCGSURRSTK_00003	2.5 mL	DCB Decachlorobiphenyl	0.025 ug/mL
							Tetrachloro-m-xylene	0.025 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.SG1016/1260_00005	05/30/13	05/30/12	HEXANE, Lot K42e19	100 mL	SG1016/1260MX_00004	1 mL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..SG1016/1260MX_00004	08/31/18		Restek, Lot a082781		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.SGPCGSURRSTK_00003	08/31/13	08/31/12	HEXANE, Lot L03E01	100 mL	SGPCBSURRMX_00004	1 mL	DCB Decachlorobiphenyl	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
..SGPCBSURRMX_00004	07/31/16		restek, Lot a065184		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SG1660@0.5PPM_00014	05/30/13	12/09/12	HEXANE, Lot 0000017861	200 mL	SG1016/1260_00005	10 mL	Aroclor-1016	0.5 ug/mL
							Aroclor-1260	0.5 ug/mL
							PCB-1016 Peak 1	0.5 ug/mL
							PCB-1016 Peak 2	0.5 ug/mL
							PCB-1016 Peak 3	0.5 ug/mL
							PCB-1016 Peak 4	0.5 ug/mL
							PCB-1016 Peak 5	0.5 ug/mL
							PCB-1260 Peak 1	0.5 ug/mL
							PCB-1260 Peak 2	0.5 ug/mL
							PCB-1260 Peak 3	0.5 ug/mL
							PCB-1260 Peak 4	0.5 ug/mL
							PCB-1260 Peak 5	0.5 ug/mL
					SGPCGSURRSTK_00003	2.5 mL	DCB Decachlorobiphenyl	0.025 ug/mL
							Tetrachloro-m-xylene	0.025 ug/mL
.SG1016/1260_00005	05/30/13	05/30/12	HEXANE, Lot K42e19	100 mL	SG1016/1260MX_00004	1 mL	Aroclor-1016	10 ug/mL
							Aroclor-1260	10 ug/mL
							PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..SG1016/1260MX_00004	08/31/18		Restek, Lot a082781		(Purchased Reagent)		Aroclor-1016	1000 ug/mL
							Aroclor-1260	1000 ug/mL
							PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.SGPCGSURRSTK_00003	08/31/13	08/31/12	HEXANE, Lot L03E01	100 mL	SGPCBSURRMX_00004	1 mL	DCB Decachlorobiphenyl	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
..SGPCBSURRMX_00004	07/31/16		restek, Lot a065184		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SG1660@1.0PPM_00005	03/03/13	09/03/12	HEXANE, Lot 0000013019	100 mL	SG1016/1260_00005	10 mL	PCB-1016 Peak 1	1 ug/mL
							PCB-1016 Peak 2	1 ug/mL
							PCB-1016 Peak 3	1 ug/mL
							PCB-1016 Peak 4	1 ug/mL
							PCB-1016 Peak 5	1 ug/mL
							PCB-1260 Peak 1	1 ug/mL
							PCB-1260 Peak 2	1 ug/mL
							PCB-1260 Peak 3	1 ug/mL
							PCB-1260 Peak 4	1 ug/mL
							PCB-1260 Peak 5	1 ug/mL
					SGPCGSURRSTK_00003	2.5 mL	DCB Decachlorobiphenyl	0.05 ug/mL
							Tetrachloro-m-xylene	0.05 ug/mL
.SG1016/1260_00005	05/30/13	05/30/12	HEXANE, Lot K42e19	100 mL	SG1016/1260MX_00004	1 mL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..SG1016/1260MX_00004	08/31/18		Restek, Lot a082781		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.SGPCGSURRSTK_00003	08/31/13	08/31/12	HEXANE, Lot L03E01	100 mL	SGPCBSURRMX_00004	1 mL	DCB Decachlorobiphenyl	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
..SGPCBSURRMX_00004	07/31/16		restek, Lot a065184		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SG1660@2.0PPM_00005	03/03/13	09/03/12	HEXANE, Lot 0000013019	100 mL	SG1016/1260_00005	20 mL	PCB-1016 Peak 1	2 ug/mL
							PCB-1016 Peak 2	2 ug/mL
							PCB-1016 Peak 3	2 ug/mL
							PCB-1016 Peak 4	2 ug/mL
							PCB-1016 Peak 5	2 ug/mL
							PCB-1260 Peak 1	2 ug/mL
							PCB-1260 Peak 2	2 ug/mL
							PCB-1260 Peak 3	2 ug/mL
							PCB-1260 Peak 4	2 ug/mL
							PCB-1260 Peak 5	2 ug/mL
					SGPCGSURRSTK_00003	5 mL	DCB Decachlorobiphenyl	0.1 ug/mL
							Tetrachloro-m-xylene	0.1 ug/mL
.SG1016/1260_00005	05/30/13	05/30/12	HEXANE, Lot K42e19	100 mL	SG1016/1260MX_00004	1 mL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..SG1016/1260MX_00004	08/31/18		Restek, Lot a082781		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.SGPCGSURRSTK_00003	08/31/13	08/31/12	HEXANE, Lot L03E01	100 mL	SGPCBSURRMX_00004	1 mL	DCB Decachlorobiphenyl	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
..SGPCBSURRMX_00004	07/31/16		restek, Lot a065184		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SG1660STD@0.1_00005	03/03/13	09/03/12	HEXANE, Lot 0000013019	100 mL	SG1016/1260_00005	1 mL	PCB-1016 Peak 1	0.1 ug/mL
							PCB-1016 Peak 2	0.1 ug/mL
							PCB-1016 Peak 3	0.1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1016 Peak 4	0.1 ug/mL
							PCB-1016 Peak 5	0.1 ug/mL
							PCB-1260 Peak 1	0.1 ug/mL
							PCB-1260 Peak 2	0.1 ug/mL
							PCB-1260 Peak 3	0.1 ug/mL
							PCB-1260 Peak 4	0.1 ug/mL
							PCB-1260 Peak 5	0.1 ug/mL
					SGPCGSURRSTK_00003	0.25 mL	DCB Decachlorobiphenyl	0.005 ug/mL
							Tetrachloro-m-xylene	0.005 ug/mL
.SG1016/1260_00005	05/30/13	05/30/12	HEXANE, Lot K42e19	100 mL	SG1016/1260MX_00004	1 mL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..SG1016/1260MX_00004	08/31/18	Restek, Lot a082781			(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.SGPCGSURRSTK_00003	08/31/13	08/31/12	HEXANE, Lot L03E01	100 mL	SGPCBSURRMX_00004	1 mL	DCB Decachlorobiphenyl	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
..SGPCBSURRMX_00004	07/31/16	restek, Lot a065184			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SG2154@0.05PP_00003	01/31/13	08/02/12	HEXANE, Lot L08E17	100 mL	SG2154@10ppm_00002	0.5 mL	PCB-1221 Peak 1	0.05 ug/mL
							PCB-1221 Peak 2	0.05 ug/mL
							PCB-1221 Peak 3	0.05 ug/mL
							PCB-1254 Peak 1	0.05 ug/mL
							PCB-1254 Peak 2	0.05 ug/mL
							PCB-1254 Peak 3	0.05 ug/mL
							PCB-1254 Peak 4	0.05 ug/mL
							PCB-1254 Peak 5	0.05 ug/mL
.SG2154@10ppm_00002	01/31/13	01/31/12	HEXANE, Lot K29E03	100 mL	SGPCB1221_00002	1 mL	PCB-1221 Peak 1	10 ug/mL
							PCB-1221 Peak 2	10 ug/mL
							PCB-1221 Peak 3	10 ug/mL
					SGPCB1254_00005	1 mL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL
..SGPCB1221_00002	06/17/16		RESTEK, Lot a074947		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..SGPCB1254_00005	09/30/17		restek, Lot A076437		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
SG2154@0.2PPM_00004	01/31/13	08/02/12	HEXANE, Lot L08e17	100 mL	SG2154@10ppm_00002	2 mL	PCB-1221 Peak 1	0.2 ug/mL
							PCB-1221 Peak 2	0.2 ug/mL
							PCB-1221 Peak 3	0.2 ug/mL
							PCB-1254 Peak 1	0.2 ug/mL
							PCB-1254 Peak 2	0.2 ug/mL
							PCB-1254 Peak 3	0.2 ug/mL
							PCB-1254 Peak 4	0.2 ug/mL
							PCB-1254 Peak 5	0.2 ug/mL
.SG2154@10ppm_00002	01/31/13	01/31/12	HEXANE, Lot K29E03	100 mL	SGPCB1221_00002	1 mL	PCB-1221 Peak 1	10 ug/mL
							PCB-1221 Peak 2	10 ug/mL
							PCB-1221 Peak 3	10 ug/mL
					SGPCB1254_00005	1 mL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL
..SGPCB1221_00002	06/17/16		RESTEK, Lot a074947		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..SGPCB1254_00005	09/30/17		restek, Lot A076437		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
SG2154@0.5PPM_00006	01/31/13	08/02/12	HEXANE, Lot L08e17	100 mL	SG2154@10ppm_00002	5 mL	PCB-1221 Peak 1	0.5 ug/mL
							PCB-1221 Peak 2	0.5 ug/mL
							PCB-1221 Peak 3	0.5 ug/mL
							PCB-1254 Peak 1	0.5 ug/mL
							PCB-1254 Peak 2	0.5 ug/mL
							PCB-1254 Peak 3	0.5 ug/mL
							PCB-1254 Peak 4	0.5 ug/mL
							PCB-1254 Peak 5	0.5 ug/mL
.SG2154@10ppm_00002	01/31/13	01/31/12	HEXANE, Lot K29E03	100 mL	SGPCB1221_00002	1 mL	PCB-1221 Peak 1	10 ug/mL
							PCB-1221 Peak 2	10 ug/mL
							PCB-1221 Peak 3	10 ug/mL
					SGPCB1254_00005	1 mL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL
..SGPCB1221_00002	06/17/16		RESTEK, Lot a074947		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..SGPCB1254_00005	09/30/17		restek, Lot A076437		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
SG2154@1.0PPM_00004	01/31/13	08/02/12	HEXANE, Lot L08E17	100 mL	SG2154@10ppm_00002	10 mL	PCB-1221 Peak 1	1 ug/mL
							PCB-1221 Peak 2	1 ug/mL
							PCB-1221 Peak 3	1 ug/mL
							PCB-1254 Peak 1	1 ug/mL
							PCB-1254 Peak 2	1 ug/mL
							PCB-1254 Peak 3	1 ug/mL
							PCB-1254 Peak 4	1 ug/mL
							PCB-1254 Peak 5	1 ug/mL
.SG2154@10ppm_00002	01/31/13	01/31/12	HEXANE, Lot K29E03	100 mL	SGPCB1221_00002	1 mL	PCB-1221 Peak 1	10 ug/mL
							PCB-1221 Peak 2	10 ug/mL
							PCB-1221 Peak 3	10 ug/mL
					SGPCB1254_00005	1 mL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL
..SGPCB1221_00002	06/17/16		RESTEK, Lot a074947		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..SGPCB1254_00005	09/30/17		restek, Lot A076437		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
SG2154@2.0PPM_00004	01/31/13	08/02/12	HEXANE, Lot L08E17	100 mL	SG2154@10ppm_00002	20 mL	PCB-1221 Peak 1	2 ug/mL
							PCB-1221 Peak 2	2 ug/mL
							PCB-1221 Peak 3	2 ug/mL
							PCB-1254 Peak 1	2 ug/mL
							PCB-1254 Peak 2	2 ug/mL
							PCB-1254 Peak 3	2 ug/mL
							PCB-1254 Peak 4	2 ug/mL
							PCB-1254 Peak 5	2 ug/mL
.SG2154@10ppm_00002	01/31/13	01/31/12	HEXANE, Lot K29E03	100 mL	SGPCB1221_00002	1 mL	PCB-1221 Peak 1	10 ug/mL
							PCB-1221 Peak 2	10 ug/mL
							PCB-1221 Peak 3	10 ug/mL
					SGPCB1254_00005	1 mL	PCB-1254 Peak 1	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL
..SGPCB1221_00002	06/17/16		RESTEK, Lot a074947		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..SGPCB1254_00005	09/30/17		restek, Lot A076437		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
SG2154@0.1PPM_00004	01/31/13	08/02/12	HEXANE, Lot L08E17	100 mL	SG2154@10ppm_00002	1 mL	PCB-1221 Peak 1	0.1 ug/mL
							PCB-1221 Peak 2	0.1 ug/mL
							PCB-1221 Peak 3	0.1 ug/mL
							PCB-1254 Peak 1	0.1 ug/mL
							PCB-1254 Peak 2	0.1 ug/mL
							PCB-1254 Peak 3	0.1 ug/mL
							PCB-1254 Peak 4	0.1 ug/mL
							PCB-1254 Peak 5	0.1 ug/mL
.SG2154@10ppm_00002	01/31/13	01/31/12	HEXANE, Lot K29E03	100 mL	SGPCB1221_00002	1 mL	PCB-1221 Peak 1	10 ug/mL
							PCB-1221 Peak 2	10 ug/mL
							PCB-1221 Peak 3	10 ug/mL
					SGPCB1254_00005	1 mL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL
..SGPCB1221_00002	06/17/16		RESTEK, Lot a074947		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..SGPCB1254_00005	09/30/17		restek, Lot A076437		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
sgdiesel icv_00002	09/26/12	09/26/11	MECL2, Lot K29J00	100 mL	sgdeisel Icv_00002	1 g	Diesel	10000 ug/mL
.sgdeisel Icv_00002	09/26/12		sheets, Lot sheets		(Purchased Reagent)		Diesel	1000000 g
SGDIESELNON_00007	02/14/13	02/14/12	MECL2, Lot K48E14	100 mL	SGDIESELNONAN_00001	1 mL	n-Nonane	1000 ug/mL
					SGTPHDIESEL_00004	1 g	Diesel	10000 ug/mL
.SGDIESELNONAN_00001	08/16/12	08/16/11	MECL2, Lot K24J00	10 mL	SGTPHNONANE_00003	1 mL	n-Nonane	100000 ug/mL
..SGTPHNONANE_00003	08/16/12		sigma aldrich, Lot TBc0210v		(Purchased Reagent)		n-Nonane	1000000 ug/mL
.SGTPHDIESEL_00004	02/14/13		SCFN, Lot 021412		(Purchased Reagent)		Diesel	1000000 ug/mL
SGDROCAL_00001	02/14/13	10/12/12	MECL2, Lot 0000010059	100 mL	SGDROCALSTK_00001	1 g	Diesel	10000 ug/mL
					SGDROSURR_00001	1 mL	n-Nonane	1000 ug/mL
.SGDROCALSTK_00001	02/14/13		SCFN, Lot 021412		(Purchased Reagent)		Diesel	1000000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.SGDROSURR_00001	04/12/13	10/12/12	MECL2, Lot 0000010059	10 mL	SGDROSURRSTK_00001	1 mL	n-Nonane	100000 ug/mL
..SGDROSURRSTK_00001	08/20/13	sigma aldrich, Lot TBC5938V			(Purchased Reagent)		n-Nonane	1000000 ug/mL
sgherbicv_00015	02/03/13	08/03/12	hexane, Lot L08E17	100 mL	SGHERBICV_00012	1 mL	2,4,5-T	0.02 ug/mL
							2,4-D	0.08 ug/mL
							2,4-DB	0.08 ug/mL
							2,4-Dichlorophenylacetic acid	0.08 ug/mL
							Dalapon	0.0399 ug/mL
							Dicamba	0.04 ug/mL
							Dichlorprop	0.08 ug/mL
							Dinoseb	0.012 ug/mL
							MCPA	8 ug/mL
							MCPP	8 ug/mL
							Silvex (2,4,5-TP)	0.02 ug/mL
.SGHERBICV_00012	07/31/13	RESTEK, Lot A083000			(Purchased Reagent)		2,4,5-T	2 ug/mL
							2,4-D	8 ug/mL
							2,4-DB	8 ug/mL
							2,4-Dichlorophenylacetic acid	8 ug/mL
							Dalapon	3.99 ug/mL
							Dicamba	4 ug/mL
							Dichlorprop	8 ug/mL
							Dinoseb	1.2 ug/mL
							MCPA	800 ug/mL
							MCPP	800 ug/mL
							Silvex (2,4,5-TP)	2 ug/mL
SGHERBL1_00009	05/31/13	11/24/12	HEXANE, Lot 00000014962	100 mL	SGHERBST_00009	100 uL	2,4,5-T	0.005 ug/mL
							2,4-D	0.02 ug/mL
							2,4-DB	0.02 ug/mL
							2,4-Dichlorophenylacetic acid	0.02 ug/mL
							Dalapon	0.01 ug/mL
							Dicamba	0.01 ug/mL
							Dichlorprop	0.02 ug/mL
							Dinoseb	0.003 ug/mL
							MCPA	2 ug/mL
							MCPP	2 ug/mL
							Silvex (2,4,5-TP)	0.005 ug/mL
.SGHERBST_00009	05/31/13	08/23/12	HEXANE, Lot L03E01	10 mL	SGHERB_00015	1 mL	2,4,5-T	5 ug/mL
							2,4-D	20 ug/mL
							2,4-DB	20 ug/mL
							2,4-Dichlorophenylacetic acid	20 ug/mL
							Dalapon	10 ug/mL
							Dicamba	10 ug/mL
							Dichlorprop	20 ug/mL
							Dinoseb	3 ug/mL
							MCPA	2000 ug/mL
							MCPP	2000 ug/mL
							Silvex (2,4,5-TP)	5 ug/mL
..SGHERB_00015	05/31/13	Ultra Scientific, Lot CH-1342			(Purchased Reagent)		2,4,5-T	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-D	200 ug/mL
							2,4-DB	200 ug/mL
							2,4-Dichlorophenylacetic acid	200 ug/mL
							Dalapon	100 ug/mL
							Dicamba	100 ug/mL
							Dichlorprop	200 ug/mL
							Dinoseb	30 ug/mL
							MCPA	20000 ug/mL
							MCPP	20000 ug/mL
							Silvex (2,4,5-TP)	50 ug/mL
SGHERBL2_00006	05/31/13	11/24/12	HEXANE, Lot 00000014962	100 mL	SGHERBST_00009	200 uL	2,4,5-T	0.01 ug/mL
							2,4-D	0.04 ug/mL
							2,4-DB	0.04 ug/mL
							2,4-Dichlorophenylacetic acid	0.04 ug/mL
							Dalapon	0.02 ug/mL
							Dicamba	0.02 ug/mL
							Dichlorprop	0.04 ug/mL
							Dinoseb	0.006 ug/mL
							MCPA	4 ug/mL
							MCPP	4 ug/mL
							Silvex (2,4,5-TP)	0.01 ug/mL
.SGHERBST_00009	05/31/13	08/23/12	HEXANE, Lot L03E01	10 mL	SGHERB_00015	1 mL	2,4,5-T	5 ug/mL
							2,4-D	20 ug/mL
							2,4-DB	20 ug/mL
							2,4-Dichlorophenylacetic acid	20 ug/mL
							Dalapon	10 ug/mL
							Dicamba	10 ug/mL
							Dichlorprop	20 ug/mL
							Dinoseb	3 ug/mL
							MCPA	2000 ug/mL
							MCPP	2000 ug/mL
							Silvex (2,4,5-TP)	5 ug/mL
..SGHERB_00015	05/31/13		Ultra Scientific, Lot CH-1342		(Purchased Reagent)		2,4,5-T	50 ug/mL
							2,4-D	200 ug/mL
							2,4-DB	200 ug/mL
							2,4-Dichlorophenylacetic acid	200 ug/mL
							Dalapon	100 ug/mL
							Dicamba	100 ug/mL
							Dichlorprop	200 ug/mL
							Dinoseb	30 ug/mL
							MCPA	20000 ug/mL
							MCPP	20000 ug/mL
							Silvex (2,4,5-TP)	50 ug/mL
SGHERBL3_00008	02/23/13	08/23/12	HEXANE, Lot L03E01	100 mL	SGHERBST_00009	400 uL	2,4,5-T	0.02 ug/mL
							2,4-D	0.08 ug/mL
							2,4-DB	0.08 ug/mL
							2,4-Dichlorophenylacetic acid	0.08 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dalapon	0.04 ug/mL
							Dicamba	0.04 ug/mL
							Dichlorprop	0.08 ug/mL
							Dinoseb	0.012 ug/mL
							MCPA	8 ug/mL
							MCPP	8 ug/mL
							Silvex (2,4,5-TP)	0.02 ug/mL
.SGHERBST_00009	05/31/13	08/23/12	HEXANE, Lot L03E01	10 mL	SGHERB_00015	1 mL	2,4,5-T	5 ug/mL
							2,4-D	20 ug/mL
							2,4-DB	20 ug/mL
							2,4-Dichlorophenylacetic acid	20 ug/mL
							Dalapon	10 ug/mL
							Dicamba	10 ug/mL
							Dichlorprop	20 ug/mL
							Dinoseb	3 ug/mL
							MCPA	2000 ug/mL
							MCPP	2000 ug/mL
							Silvex (2,4,5-TP)	5 ug/mL
..SGHERB_00015	05/31/13	Ultra Scientific, Lot CH-1342			(Purchased Reagent)		2,4,5-T	50 ug/mL
							2,4-D	200 ug/mL
							2,4-DB	200 ug/mL
							2,4-Dichlorophenylacetic acid	200 ug/mL
							Dalapon	100 ug/mL
							Dicamba	100 ug/mL
							Dichlorprop	200 ug/mL
							Dinoseb	30 ug/mL
							MCPA	20000 ug/mL
							MCPP	20000 ug/mL
							Silvex (2,4,5-TP)	50 ug/mL
SGHERBL4_00006	05/31/13	11/24/12	HEXANE, Lot 00000014962	100 mL	SGHERBST_00009	800 uL	2,4,5-T	0.04 ug/mL
							2,4-D	0.16 ug/mL
							2,4-DB	0.16 ug/mL
							2,4-Dichlorophenylacetic acid	0.16 ug/mL
							Dalapon	0.08 ug/mL
							Dicamba	0.08 ug/mL
							Dichlorprop	0.16 ug/mL
							Dinoseb	0.024 ug/mL
							MCPA	16 ug/mL
							MCPP	16 ug/mL
							Silvex (2,4,5-TP)	0.04 ug/mL
.SGHERBST_00009	05/31/13	08/23/12	HEXANE, Lot L03E01	10 mL	SGHERB_00015	1 mL	2,4,5-T	5 ug/mL
							2,4-D	20 ug/mL
							2,4-DB	20 ug/mL
							2,4-Dichlorophenylacetic acid	20 ug/mL
							Dalapon	10 ug/mL
							Dicamba	10 ug/mL
							Dichlorprop	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dinoseb	3 ug/mL
							MCPA	2000 ug/mL
							MCPP	2000 ug/mL
							Silvex (2,4,5-TP)	5 ug/mL
..SGHERB_00015	05/31/13	Ultra Scientific, Lot CH-1342			(Purchased Reagent)		2,4,5-T	50 ug/mL
							2,4-D	200 ug/mL
							2,4-DB	200 ug/mL
							2,4-Dichlorophenylacetic acid	200 ug/mL
							Dalapon	100 ug/mL
							Dicamba	100 ug/mL
							Dichlorprop	200 ug/mL
							Dinoseb	30 ug/mL
							MCPA	20000 ug/mL
							MCPP	20000 ug/mL
							Silvex (2,4,5-TP)	50 ug/mL
SGHERBL5_00006	05/31/13	11/24/12	HEXANE, Lot 00000014962	100 mL	SGHERBST_00009	1.6 mL	2,4,5-T	0.08 ug/mL
							2,4-D	0.32 ug/mL
							2,4-DB	0.32 ug/mL
							2,4-Dichlorophenylacetic acid	0.32 ug/mL
							Dalapon	0.16 ug/mL
							Dicamba	0.16 ug/mL
							Dichlorprop	0.32 ug/mL
							Dinoseb	0.048 ug/mL
							MCPA	32 ug/mL
							MCPP	32 ug/mL
							Silvex (2,4,5-TP)	0.08 ug/mL
.SGHERBST_00009	05/31/13	08/23/12	HEXANE, Lot L03E01	10 mL	SGHERB_00015	1 mL	2,4,5-T	5 ug/mL
							2,4-D	20 ug/mL
							2,4-DB	20 ug/mL
							2,4-Dichlorophenylacetic acid	20 ug/mL
							Dalapon	10 ug/mL
							Dicamba	10 ug/mL
							Dichlorprop	20 ug/mL
							Dinoseb	3 ug/mL
							MCPA	2000 ug/mL
							MCPP	2000 ug/mL
							Silvex (2,4,5-TP)	5 ug/mL
..SGHERB_00015	05/31/13	Ultra Scientific, Lot CH-1342			(Purchased Reagent)		2,4,5-T	50 ug/mL
							2,4-D	200 ug/mL
							2,4-DB	200 ug/mL
							2,4-Dichlorophenylacetic acid	200 ug/mL
							Dalapon	100 ug/mL
							Dicamba	100 ug/mL
							Dichlorprop	200 ug/mL
							Dinoseb	30 ug/mL
							MCPA	20000 ug/mL
							MCPP	20000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Silvex (2,4,5-TP)	50 ug/mL
SGHERBL6_00006	05/31/13	11/24/12	HEXANE, Lot 00000014962	100 mL	SGHERBST_00009	3.2 mL	2,4,5-T	0.16 ug/mL
							2,4-D	0.64 ug/mL
							2,4-DB	0.64 ug/mL
							2,4-Dichlorophenylacetic acid	0.64 ug/mL
							Dalapon	0.32 ug/mL
							Dicamba	0.32 ug/mL
							Dichlorprop	0.64 ug/mL
							Dinoseb	0.096 ug/mL
							MCPA	64 ug/mL
							MCPP	64 ug/mL
							Silvex (2,4,5-TP)	0.16 ug/mL
.SGHERBST_00009	05/31/13	08/23/12	HEXANE, Lot L03E01	10 mL	SGHERB_00015	1 mL	2,4,5-T	5 ug/mL
							2,4-D	20 ug/mL
							2,4-DB	20 ug/mL
							2,4-Dichlorophenylacetic acid	20 ug/mL
							Dalapon	10 ug/mL
							Dicamba	10 ug/mL
							Dichlorprop	20 ug/mL
							Dinoseb	3 ug/mL
							MCPA	2000 ug/mL
							MCPP	2000 ug/mL
							Silvex (2,4,5-TP)	5 ug/mL
..SGHERB_00015	05/31/13	Ultra Scientific, Lot CH-1342			(Purchased Reagent)		2,4,5-T	50 ug/mL
							2,4-D	200 ug/mL
							2,4-DB	200 ug/mL
							2,4-Dichlorophenylacetic acid	200 ug/mL
							Dalapon	100 ug/mL
							Dicamba	100 ug/mL
							Dichlorprop	200 ug/mL
							Dinoseb	30 ug/mL
							MCPA	20000 ug/mL
							MCPP	20000 ug/mL
							Silvex (2,4,5-TP)	50 ug/mL
SGHerbPCP2_00007	01/31/13	09/18/12	HEXANE, Lot 0000013019	100 mL	SGHERBPCPST_00006	50 uL	Pentachlorophenol	0.005 ug/mL
.SGHERBPCPST_00006	01/31/13	09/18/12	HEXANE, Lot 00000103019	100 mL	SGHERBPCP_00006	1 mL	Pentachlorophenol	10 ug/mL
..SGHERBPCP_00006	01/31/13	Restek, Lot A079471			(Purchased Reagent)		Pentachlorophenol	1000 ug/mL
SGHerbPCP3_00005	01/31/13	09/18/12	HEXANE, Lot 0000013019	100 mL	SGHERBPCPST_00006	100 uL	Pentachlorophenol	0.01 ug/mL
.SGHERBPCPST_00006	01/31/13	09/18/12	HEXANE, Lot 00000103019	100 mL	SGHERBPCP_00006	1 mL	Pentachlorophenol	10 ug/mL
..SGHERBPCP_00006	01/31/13	Restek, Lot A079471			(Purchased Reagent)		Pentachlorophenol	1000 ug/mL
SGHerbPCP4_00005	01/31/13	09/18/12	HEXANE, Lot 0000013019	100 mL	SGHERBPCPST_00006	200 uL	Pentachlorophenol	0.02 ug/mL
.SGHERBPCPST_00006	01/31/13	09/18/12	HEXANE, Lot 00000103019	100 mL	SGHERBPCP_00006	1 mL	Pentachlorophenol	10 ug/mL
..SGHERBPCP_00006	01/31/13	Restek, Lot A079471			(Purchased Reagent)		Pentachlorophenol	1000 ug/mL
SGHerbPCP5_00005	01/31/13	09/18/12	HEXANE, Lot 0000013019	100 mL	SGHERBPCPST_00006	400 uL	Pentachlorophenol	0.04 ug/mL
.SGHERBPCPST_00006	01/31/13	09/18/12	HEXANE, Lot 00000103019	100 mL	SGHERBPCP_00006	1 mL	Pentachlorophenol	10 ug/mL
..SGHERBPCP_00006	01/31/13	Restek, Lot A079471			(Purchased Reagent)		Pentachlorophenol	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
SGHerbPCP6_00005	01/31/13	09/18/12	HEXANE, Lot 0000013019	100 mL	SGHERBPCPST_00006	800 uL	Pentachlorophenol	0.08 ug/mL
.SGHERBPCPST_00006	01/31/13	09/18/12	HEXANE, Lot 00000103019	100 mL	SGHERBPCP_00006	1 mL	Pentachlorophenol	10 ug/mL
..SGHERBPCP_00006	01/31/13	Restek, Lot A079471			(Purchased Reagent)		Pentachlorophenol	1000 ug/mL
SGHerbPCPICV_00001	09/27/12	03/27/12	HEXANE, Lot K34E37	100 mL	SGHerbPCPIVST_00002	100 uL	Pentachlorophenol	0.01003 ug/mL
.SGHerbPCPIVST_00002	03/27/13	03/27/12	HEXANE, Lot K34E37	10 mL	SGHerbPCPIVST_00001	1 mL	Pentachlorophenol	10.03 ug/mL
..SGHerbPCPIVST_00001	01/15/14	AccuStandard, Lot B4010036			(Purchased Reagent)		Pentachlorophenol	100.3 ug/mL
SGHerbPCPICV_00003	03/27/13	03/27/12	HEXANE, Lot K34E37	100 mL	SGHerbPCPIVST_00002	100 uL	Pentachlorophenol	0.01003 ug/mL
.SGHerbPCPIVST_00002	03/27/13	03/27/12	HEXANE, Lot K34E37	10 mL	SGHerbPCPIVST_00001	1 mL	Pentachlorophenol	10.03 ug/mL
..SGHerbPCPIVST_00001	01/15/14	AccuStandard, Lot B4010036			(Purchased Reagent)		Pentachlorophenol	100.3 ug/mL
SGPestAB1_00003	03/08/13	09/07/12	HEXANE, Lot 0000013019	100 mL	SGPESTABST_00004	25 uL	4,4'-DDD	0.005 ug/mL
							4,4'-DDE	0.005 ug/mL
							4,4'-DDT	0.005 ug/mL
							Aldrin	0.005 ug/mL
							alpha-BHC	0.005 ug/mL
							alpha-Chlordane	0.005 ug/mL
							beta-BHC	0.005 ug/mL
							delta-BHC	0.005 ug/mL
							Dieldrin	0.005 ug/mL
							Endosulfan I	0.005 ug/mL
							Endosulfan II	0.005 ug/mL
							Endosulfan sulfate	0.005 ug/mL
							Endrin	0.005 ug/mL
							Endrin aldehyde	0.005 ug/mL
							Endrin ketone	0.005 ug/mL
							gamma-BHC (Lindane)	0.005 ug/mL
							gamma-Chlordane	0.005 ug/mL
							Heptachlor	0.005 ug/mL
							Heptachlor epoxide	0.005 ug/mL
							Methoxychlor	0.005 ug/mL
							DCB Decachlorobiphenyl	0.005 ug/mL
							Tetrachloro-m-xylene	0.005 ug/mL
.SGPESTABST_00004	09/07/13	09/07/12	HEXANE, Lot 0000013019	10 mL	SGPESTAB_00006	1 mL	4,4'-DDD	20 ug/mL
							4,4'-DDE	20 ug/mL
							4,4'-DDT	20 ug/mL
							Aldrin	20 ug/mL
							alpha-BHC	20 ug/mL
							alpha-Chlordane	20 ug/mL
							beta-BHC	20 ug/mL
							delta-BHC	20 ug/mL
							Dieldrin	20 ug/mL
							Endosulfan I	20 ug/mL
							Endosulfan II	20 ug/mL
							Endosulfan sulfate	20 ug/mL
							Endrin	20 ug/mL
							Endrin aldehyde	20 ug/mL
							Endrin ketone	20 ug/mL
							gamma-BHC (Lindane)	20 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							gamma-Chlordane	20 ug/mL
							Heptachlor	20 ug/mL
							Heptachlor epoxide	20 ug/mL
							Methoxychlor	20 ug/mL
					SGPESTSURR_00003	1 mL	DCB Decachlorobiphenyl	20 ug/mL
							Tetrachloro-m-xylene	20 ug/mL
..SGPESTAB_00006	08/31/14		Restek, Lot A076528		(Purchased Reagent)		4,4'-DDD	200 ug/mL
							4,4'-DDE	200 ug/mL
							4,4'-DDT	200 ug/mL
							Aldrin	200 ug/mL
							alpha-BHC	200 ug/mL
							alpha-Chlordane	200 ug/mL
							beta-BHC	200 ug/mL
							delta-BHC	200 ug/mL
							Dieldrin	200 ug/mL
							Endosulfan I	200 ug/mL
							Endosulfan II	200 ug/mL
							Endosulfan sulfate	200 ug/mL
							Endrin	200 ug/mL
							Endrin aldehyde	200 ug/mL
							Endrin ketone	200 ug/mL
							gamma-BHC (Lindane)	200 ug/mL
							gamma-Chlordane	200 ug/mL
							Heptachlor	200 ug/mL
							Heptachlor epoxide	200 ug/mL
							Methoxychlor	200 ug/mL
..SGPESTSURR_00003	04/30/19		Restek, Lot A084532		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SGPestAB2_00003	03/07/13	03/07/12	HEXANE, Lot 0000013019	100 mL	SGPESTABST_00004	50 uL	4,4'-DDD	0.01 ug/mL
							4,4'-DDE	0.01 ug/mL
							4,4'-DDT	0.01 ug/mL
							Aldrin	0.01 ug/mL
							alpha-BHC	0.01 ug/mL
							alpha-Chlordane	0.01 ug/mL
							beta-BHC	0.01 ug/mL
							delta-BHC	0.01 ug/mL
							Dieldrin	0.01 ug/mL
							Endosulfan I	0.01 ug/mL
							Endosulfan II	0.01 ug/mL
							Endosulfan sulfate	0.01 ug/mL
							Endrin	0.01 ug/mL
							Endrin aldehyde	0.01 ug/mL
							Endrin ketone	0.01 ug/mL
							gamma-BHC (Lindane)	0.01 ug/mL
							gamma-Chlordane	0.01 ug/mL
							Heptachlor	0.01 ug/mL
							Heptachlor epoxide	0.01 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methoxychlor	0.01 ug/mL
							DCB Decachlorobiphenyl	0.01 ug/mL
							Tetrachloro-m-xylene	0.01 ug/mL
.SGPESTABST_00004	09/07/13	09/07/12	HEXANE, Lot 0000013019	10 mL	SGPESTAB_00006	1 mL	4,4'-DDD	20 ug/mL
							4,4'-DDE	20 ug/mL
							4,4'-DDT	20 ug/mL
							Aldrin	20 ug/mL
							alpha-BHC	20 ug/mL
							alpha-Chlordane	20 ug/mL
							beta-BHC	20 ug/mL
							delta-BHC	20 ug/mL
							Dieldrin	20 ug/mL
							Endosulfan I	20 ug/mL
							Endosulfan II	20 ug/mL
							Endosulfan sulfate	20 ug/mL
							Endrin	20 ug/mL
							Endrin aldehyde	20 ug/mL
							Endrin ketone	20 ug/mL
							gamma-BHC (Lindane)	20 ug/mL
							gamma-Chlordane	20 ug/mL
							Heptachlor	20 ug/mL
							Heptachlor epoxide	20 ug/mL
							Methoxychlor	20 ug/mL
					SGPESTSURR_00003	1 mL	DCB Decachlorobiphenyl	20 ug/mL
							Tetrachloro-m-xylene	20 ug/mL
..SGPESTAB_00006	08/31/14		Restek, Lot A076528		(Purchased Reagent)		4,4'-DDD	200 ug/mL
							4,4'-DDE	200 ug/mL
							4,4'-DDT	200 ug/mL
							Aldrin	200 ug/mL
							alpha-BHC	200 ug/mL
							alpha-Chlordane	200 ug/mL
							beta-BHC	200 ug/mL
							delta-BHC	200 ug/mL
							Dieldrin	200 ug/mL
							Endosulfan I	200 ug/mL
							Endosulfan II	200 ug/mL
							Endosulfan sulfate	200 ug/mL
							Endrin	200 ug/mL
							Endrin aldehyde	200 ug/mL
							Endrin ketone	200 ug/mL
							gamma-BHC (Lindane)	200 ug/mL
							gamma-Chlordane	200 ug/mL
							Heptachlor	200 ug/mL
							Heptachlor epoxide	200 ug/mL
							Methoxychlor	200 ug/mL
..SGPESTSURR_00003	04/30/19		Restek, Lot A084532		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
SGPestAB3_00004	02/03/13	08/03/12	HEXANE, Lot L08E17	200 mL	SGPESTABST_00003	0.25 mL	4,4'-DDD	0.025 ug/mL
							4,4'-DDE	0.025 ug/mL
							4,4'-DDT	0.025 ug/mL
							Aldrin	0.025 ug/mL
							alpha-BHC	0.025 ug/mL
							alpha-Chlordane	0.025 ug/mL
							beta-BHC	0.025 ug/mL
							delta-BHC	0.025 ug/mL
							Dieldrin	0.025 ug/mL
							Endosulfan I	0.025 ug/mL
							Endosulfan II	0.025 ug/mL
							Endosulfan sulfate	0.025 ug/mL
							Endrin	0.025 ug/mL
							Endrin aldehyde	0.025 ug/mL
							Endrin ketone	0.025 ug/mL
							gamma-BHC (Lindane)	0.025 ug/mL
							gamma-Chlordane	0.025 ug/mL
							Heptachlor	0.025 ug/mL
							Heptachlor epoxide	0.025 ug/mL
							Methoxychlor	0.025 ug/mL
							DCB Decachlorobiphenyl	0.025 ug/mL
							Tetrachloro-m-xylene	0.025 ug/mL
.SGPESTABST_00003	03/08/13	03/07/12	HEXANE, Lot K29E03	10 mL	SGPESTAB_00004	1 mL	4,4'-DDD	20 ug/mL
							4,4'-DDE	20 ug/mL
							4,4'-DDT	20 ug/mL
							Aldrin	20 ug/mL
							alpha-BHC	20 ug/mL
							alpha-Chlordane	20 ug/mL
							beta-BHC	20 ug/mL
							delta-BHC	20 ug/mL
							Dieldrin	20 ug/mL
							Endosulfan I	20 ug/mL
							Endosulfan II	20 ug/mL
							Endosulfan sulfate	20 ug/mL
							Endrin	20 ug/mL
							Endrin aldehyde	20 ug/mL
							Endrin ketone	20 ug/mL
							gamma-BHC (Lindane)	20 ug/mL
							gamma-Chlordane	20 ug/mL
							Heptachlor	20 ug/mL
							Heptachlor epoxide	20 ug/mL
							Methoxychlor	20 ug/mL
					SGPESTSURR_00004	1 mL	DCB Decachlorobiphenyl	20 ug/mL
							Tetrachloro-m-xylene	20 ug/mL
..SGPESTAB_00004	08/31/14		Restek, Lot A076528		(Purchased Reagent)		4,4'-DDD	200 ug/mL
							4,4'-DDE	200 ug/mL
							4,4'-DDT	200 ug/mL
							Aldrin	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							alpha-BHC	200 ug/mL
							alpha-Chlordane	200 ug/mL
							beta-BHC	200 ug/mL
							delta-BHC	200 ug/mL
							Dieldrin	200 ug/mL
							Endosulfan I	200 ug/mL
							Endosulfan II	200 ug/mL
							Endosulfan sulfate	200 ug/mL
							Endrin	200 ug/mL
							Endrin aldehyde	200 ug/mL
							Endrin ketone	200 ug/mL
							gamma-BHC (Lindane)	200 ug/mL
							gamma-Chlordane	200 ug/mL
							Heptachlor	200 ug/mL
							Heptachlor epoxide	200 ug/mL
							Methoxychlor	200 ug/mL
..SGPESTSURR_00004	04/30/19		Restek, Lot A084532		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SGPestAB3_00005	03/07/13	08/03/12	HEXANE, Lot 0000013019	200 mL	SGPESTABST_00004	250 uL	4,4'-DDD	0.025 ug/mL
							4,4'-DDE	0.025 ug/mL
							4,4'-DDT	0.025 ug/mL
							Aldrin	0.025 ug/mL
							alpha-BHC	0.025 ug/mL
							alpha-Chlordane	0.025 ug/mL
							beta-BHC	0.025 ug/mL
							delta-BHC	0.025 ug/mL
							Dieldrin	0.025 ug/mL
							Endosulfan I	0.025 ug/mL
							Endosulfan II	0.025 ug/mL
							Endosulfan sulfate	0.025 ug/mL
							Endrin	0.025 ug/mL
							Endrin aldehyde	0.025 ug/mL
							Endrin ketone	0.025 ug/mL
							gamma-BHC (Lindane)	0.025 ug/mL
							gamma-Chlordane	0.025 ug/mL
							Heptachlor	0.025 ug/mL
							Heptachlor epoxide	0.025 ug/mL
							Methoxychlor	0.025 ug/mL
							DCB Decachlorobiphenyl	0.025 ug/mL
							Tetrachloro-m-xylene	0.025 ug/mL
.SGPESTABST_00004	09/07/13	09/07/12	HEXANE, Lot 0000013019	10 mL	SGPESTAB_00006	1 mL	4,4'-DDD	20 ug/mL
							4,4'-DDE	20 ug/mL
							4,4'-DDT	20 ug/mL
							Aldrin	20 ug/mL
							alpha-BHC	20 ug/mL
							alpha-Chlordane	20 ug/mL
							beta-BHC	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							delta-BHC	20 ug/mL
							Dieldrin	20 ug/mL
							Endosulfan I	20 ug/mL
							Endosulfan II	20 ug/mL
							Endosulfan sulfate	20 ug/mL
							Endrin	20 ug/mL
							Endrin aldehyde	20 ug/mL
							Endrin ketone	20 ug/mL
							gamma-BHC (Lindane)	20 ug/mL
							gamma-Chlordane	20 ug/mL
							Heptachlor	20 ug/mL
							Heptachlor epoxide	20 ug/mL
							Methoxychlor	20 ug/mL
					SGPESTSURR_00003	1 mL	DCB Decachlorobiphenyl	20 ug/mL
							Tetrachloro-m-xylene	20 ug/mL
..SGPESTAB_00006	08/31/14		Restek, Lot A076528		(Purchased Reagent)		4,4'-DDD	200 ug/mL
							4,4'-DDE	200 ug/mL
							4,4'-DDT	200 ug/mL
							Aldrin	200 ug/mL
							alpha-BHC	200 ug/mL
							alpha-Chlordane	200 ug/mL
							beta-BHC	200 ug/mL
							delta-BHC	200 ug/mL
							Dieldrin	200 ug/mL
							Endosulfan I	200 ug/mL
							Endosulfan II	200 ug/mL
							Endosulfan sulfate	200 ug/mL
							Endrin	200 ug/mL
							Endrin aldehyde	200 ug/mL
							Endrin ketone	200 ug/mL
							gamma-BHC (Lindane)	200 ug/mL
							gamma-Chlordane	200 ug/mL
							Heptachlor	200 ug/mL
							Heptachlor epoxide	200 ug/mL
							Methoxychlor	200 ug/mL
..SGPESTSURR_00003	04/30/19		Restek, Lot A084532		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SGPestAB4_00003	03/07/13	03/07/12	HEXANE, Lot 0000013019	100 mL	SGPESTABST_00004	250 uL	4,4'-DDD	0.05 ug/mL
							4,4'-DDE	0.05 ug/mL
							4,4'-DDT	0.05 ug/mL
							Aldrin	0.05 ug/mL
							alpha-BHC	0.05 ug/mL
							alpha-Chlordane	0.05 ug/mL
							beta-BHC	0.05 ug/mL
							delta-BHC	0.05 ug/mL
							Dieldrin	0.05 ug/mL
							Endosulfan I	0.05 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Endosulfan II	0.05 ug/mL
							Endosulfan sulfate	0.05 ug/mL
							Endrin	0.05 ug/mL
							Endrin aldehyde	0.05 ug/mL
							Endrin ketone	0.05 ug/mL
							gamma-BHC (Lindane)	0.05 ug/mL
							gamma-Chlordane	0.05 ug/mL
							Heptachlor	0.05 ug/mL
							Heptachlor epoxide	0.05 ug/mL
							Methoxychlor	0.05 ug/mL
							DCB Decachlorobiphenyl	0.05 ug/mL
							Tetrachloro-m-xylene	0.05 ug/mL
.SGPESTABST_00004	09/07/13	09/07/12	HEXANE, Lot 0000013019	10 mL	SGPESTAB_00006	1 mL	4,4'-DDD	20 ug/mL
							4,4'-DDE	20 ug/mL
							4,4'-DDT	20 ug/mL
							Aldrin	20 ug/mL
							alpha-BHC	20 ug/mL
							alpha-Chlordane	20 ug/mL
							beta-BHC	20 ug/mL
							delta-BHC	20 ug/mL
							Dieldrin	20 ug/mL
							Endosulfan I	20 ug/mL
							Endosulfan II	20 ug/mL
							Endosulfan sulfate	20 ug/mL
							Endrin	20 ug/mL
							Endrin aldehyde	20 ug/mL
							Endrin ketone	20 ug/mL
							gamma-BHC (Lindane)	20 ug/mL
							gamma-Chlordane	20 ug/mL
							Heptachlor	20 ug/mL
							Heptachlor epoxide	20 ug/mL
							Methoxychlor	20 ug/mL
					SGPESTSURR_00003	1 mL	DCB Decachlorobiphenyl	20 ug/mL
							Tetrachloro-m-xylene	20 ug/mL
..SGPESTAB_00006	08/31/14		Restek, Lot A076528		(Purchased Reagent)		4,4'-DDD	200 ug/mL
							4,4'-DDE	200 ug/mL
							4,4'-DDT	200 ug/mL
							Aldrin	200 ug/mL
							alpha-BHC	200 ug/mL
							alpha-Chlordane	200 ug/mL
							beta-BHC	200 ug/mL
							delta-BHC	200 ug/mL
							Dieldrin	200 ug/mL
							Endosulfan I	200 ug/mL
							Endosulfan II	200 ug/mL
							Endosulfan sulfate	200 ug/mL
							Endrin	200 ug/mL
							Endrin aldehyde	200 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Endrin ketone	200 ug/mL
							gamma-BHC (Lindane)	200 ug/mL
							gamma-Chlordane	200 ug/mL
							Heptachlor	200 ug/mL
							Heptachlor epoxide	200 ug/mL
							Methoxychlor	200 ug/mL
..SGPESTSURR_00003	04/30/19		Restek, Lot A084532		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SGPestAB5_00003	03/07/13	03/07/12	HEXANE, Lot 0000013019	100 mL	SGPESTABST_00004	500 uL	4,4'-DDD	0.1 ug/mL
							4,4'-DDE	0.1 ug/mL
							4,4'-DDT	0.1 ug/mL
							Aldrin	0.1 ug/mL
							alpha-BHC	0.1 ug/mL
							alpha-Chlordane	0.1 ug/mL
							beta-BHC	0.1 ug/mL
							delta-BHC	0.1 ug/mL
							Dieldrin	0.1 ug/mL
							Endosulfan I	0.1 ug/mL
							Endosulfan II	0.1 ug/mL
							Endosulfan sulfate	0.1 ug/mL
							Endrin	0.1 ug/mL
							Endrin aldehyde	0.1 ug/mL
							Endrin ketone	0.1 ug/mL
							gamma-BHC (Lindane)	0.1 ug/mL
							gamma-Chlordane	0.1 ug/mL
							Heptachlor	0.1 ug/mL
							Heptachlor epoxide	0.1 ug/mL
							Methoxychlor	0.1 ug/mL
							DCB Decachlorobiphenyl	0.1 ug/mL
							Tetrachloro-m-xylene	0.1 ug/mL
.SGPESTABST_00004	09/07/13	09/07/12	HEXANE, Lot 0000013019	10 mL	SGPESTAB_00006	1 mL	4,4'-DDD	20 ug/mL
							4,4'-DDE	20 ug/mL
							4,4'-DDT	20 ug/mL
							Aldrin	20 ug/mL
							alpha-BHC	20 ug/mL
							alpha-Chlordane	20 ug/mL
							beta-BHC	20 ug/mL
							delta-BHC	20 ug/mL
							Dieldrin	20 ug/mL
							Endosulfan I	20 ug/mL
							Endosulfan II	20 ug/mL
							Endosulfan sulfate	20 ug/mL
							Endrin	20 ug/mL
							Endrin aldehyde	20 ug/mL
							Endrin ketone	20 ug/mL
							gamma-BHC (Lindane)	20 ug/mL
							gamma-Chlordane	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Heptachlor	20 ug/mL
							Heptachlor epoxide	20 ug/mL
							Methoxychlor	20 ug/mL
					SGPESTSURR_00003	1 mL	DCB Decachlorobiphenyl	20 ug/mL
							Tetrachloro-m-xylene	20 ug/mL
..SGPESTAB_00006	08/31/14		Restek, Lot A076528		(Purchased Reagent)		4,4'-DDD	200 ug/mL
							4,4'-DDE	200 ug/mL
							4,4'-DDT	200 ug/mL
							Aldrin	200 ug/mL
							alpha-BHC	200 ug/mL
							alpha-Chlordane	200 ug/mL
							beta-BHC	200 ug/mL
							delta-BHC	200 ug/mL
							Dieldrin	200 ug/mL
							Endosulfan I	200 ug/mL
							Endosulfan II	200 ug/mL
							Endosulfan sulfate	200 ug/mL
							Endrin	200 ug/mL
							Endrin aldehyde	200 ug/mL
							Endrin ketone	200 ug/mL
							gamma-BHC (Lindane)	200 ug/mL
							gamma-Chlordane	200 ug/mL
							Heptachlor	200 ug/mL
							Heptachlor epoxide	200 ug/mL
							Methoxychlor	200 ug/mL
..SGPESTSURR_00003	04/30/19		Restek, Lot A084532		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SGPestAB6_00003	03/07/13	03/07/12	HEXANE, Lot 0000013019	100 mL	SGPESTABST_00004	1 mL	4,4'-DDD	0.2 ug/mL
							4,4'-DDE	0.2 ug/mL
							4,4'-DDT	0.2 ug/mL
							Aldrin	0.2 ug/mL
							alpha-BHC	0.2 ug/mL
							alpha-Chlordane	0.2 ug/mL
							beta-BHC	0.2 ug/mL
							delta-BHC	0.2 ug/mL
							Dieldrin	0.2 ug/mL
							Endosulfan I	0.2 ug/mL
							Endosulfan II	0.2 ug/mL
							Endosulfan sulfate	0.2 ug/mL
							Endrin	0.2 ug/mL
							Endrin aldehyde	0.2 ug/mL
							Endrin ketone	0.2 ug/mL
							gamma-BHC (Lindane)	0.2 ug/mL
							gamma-Chlordane	0.2 ug/mL
							Heptachlor	0.2 ug/mL
							Heptachlor epoxide	0.2 ug/mL
							Methoxychlor	0.2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							DCB Decachlorobiphenyl	0.2 ug/mL
							Tetrachloro-m-xylene	0.2 ug/mL
.SGPESTABST_00004	09/07/13	09/07/12	HEXANE, Lot 0000013019	10 mL	SGPESTAB_00006	1 mL	4,4'-DDD	20 ug/mL
							4,4'-DDE	20 ug/mL
							4,4'-DDT	20 ug/mL
							Aldrin	20 ug/mL
							alpha-BHC	20 ug/mL
							alpha-Chlordane	20 ug/mL
							beta-BHC	20 ug/mL
							delta-BHC	20 ug/mL
							Dieldrin	20 ug/mL
							Endosulfan I	20 ug/mL
							Endosulfan II	20 ug/mL
							Endosulfan sulfate	20 ug/mL
							Endrin	20 ug/mL
							Endrin aldehyde	20 ug/mL
							Endrin ketone	20 ug/mL
							gamma-BHC (Lindane)	20 ug/mL
							gamma-Chlordane	20 ug/mL
							Heptachlor	20 ug/mL
							Heptachlor epoxide	20 ug/mL
							Methoxychlor	20 ug/mL
					SGPESTSURR_00003	1 mL	DCB Decachlorobiphenyl	20 ug/mL
							Tetrachloro-m-xylene	20 ug/mL
..SGPESTAB_00006	08/31/14		Restek, Lot A076528		(Purchased Reagent)		4,4'-DDD	200 ug/mL
							4,4'-DDE	200 ug/mL
							4,4'-DDT	200 ug/mL
							Aldrin	200 ug/mL
							alpha-BHC	200 ug/mL
							alpha-Chlordane	200 ug/mL
							beta-BHC	200 ug/mL
							delta-BHC	200 ug/mL
							Dieldrin	200 ug/mL
							Endosulfan I	200 ug/mL
							Endosulfan II	200 ug/mL
							Endosulfan sulfate	200 ug/mL
							Endrin	200 ug/mL
							Endrin aldehyde	200 ug/mL
							Endrin ketone	200 ug/mL
							gamma-BHC (Lindane)	200 ug/mL
							gamma-Chlordane	200 ug/mL
							Heptachlor	200 ug/mL
							Heptachlor epoxide	200 ug/mL
							Methoxychlor	200 ug/mL
..SGPESTSURR_00003	04/30/19		Restek, Lot A084532		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SGPESTABCV_00010	01/27/13	08/02/12	HEXANE, Lot L08E19	100 mL	SGPESTABIC_00004	250 uL	4,4'-DDD	0.025 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4,4'-DDE	0.025 ug/mL
							4,4'-DDT	0.025 ug/mL
							Aldrin	0.025 ug/mL
							alpha-BHC	0.025 ug/mL
							alpha-Chlordane	0.025 ug/mL
							beta-BHC	0.025 ug/mL
							delta-BHC	0.025 ug/mL
							Dieldrin	0.025 ug/mL
							Endosulfan I	0.025 ug/mL
							Endosulfan II	0.025 ug/mL
							Endosulfan sulfate	0.025 ug/mL
							Endrin	0.025 ug/mL
							Endrin aldehyde	0.025 ug/mL
							Endrin ketone	0.025 ug/mL
							gamma-BHC (Lindane)	0.025 ug/mL
							gamma-Chlordane	0.025 ug/mL
							Heptachlor	0.025 ug/mL
							Heptachlor epoxide	0.025 ug/mL
							Methoxychlor	0.025 ug/mL
.SGPESTABIC_00004	07/27/13	07/27/12	HEXANE, Lot L08E17	100 mL	SGPESTABIV_00007	1 mL	4,4'-DDD	10 ug/mL
							4,4'-DDE	10 ug/mL
							4,4'-DDT	10 ug/mL
							Aldrin	10 ug/mL
							alpha-BHC	10 ug/mL
							alpha-Chlordane	10 ug/mL
							beta-BHC	10 ug/mL
							delta-BHC	10 ug/mL
							Dieldrin	10 ug/mL
							Endosulfan I	10 ug/mL
							Endosulfan II	10 ug/mL
							Endosulfan sulfate	10 ug/mL
							Endrin	10 ug/mL
							Endrin aldehyde	10 ug/mL
							Endrin ketone	10 ug/mL
							gamma-BHC (Lindane)	10 ug/mL
							gamma-Chlordane	10 ug/mL
							Heptachlor	10 ug/mL
							Heptachlor epoxide	10 ug/mL
							Methoxychlor	10 ug/mL
..SGPESTABIV_00007	12/31/13		Ultra Scientific, Lot CH-3658		(Purchased Reagent)		4,4'-DDD	1000 ug/mL
							4,4'-DDE	1000 ug/mL
							4,4'-DDT	1000 ug/mL
							Aldrin	1000 ug/mL
							alpha-BHC	1000 ug/mL
							alpha-Chlordane	1000 ug/mL
							beta-BHC	1000 ug/mL
							delta-BHC	1000 ug/mL
							Dieldrin	1000 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Endosulfan I	1000 ug/mL
							Endosulfan II	1000 ug/mL
							Endosulfan sulfate	1000 ug/mL
							Endrin	1000 ug/mL
							Endrin aldehyde	1000 ug/mL
							Endrin ketone	1000 ug/mL
							gamma-BHC (Lindane)	1000 ug/mL
							gamma-Chlordane	1000 ug/mL
							Heptachlor	1000 ug/mL
							Heptachlor epoxide	1000 ug/mL
							Methoxychlor	1000 ug/mL
SGPESTPEM_00007	01/11/13	07/14/11	HEXANE, Lot K42E19	100 mL	SGPESTPEMS_00006	1 mL	4,4'-DDT	0.1 ug/mL
							alpha-BHC	0.01 ug/mL
							beta-BHC	0.01 ug/mL
							Endrin	0.05 ug/mL
							gamma-BHC (Lindane)	0.01 ug/mL
							Methoxychlor	0.25 ug/mL
							Tetrachloro-m-xylene	0.01 ug/mL
.SGPESTPEMS_00006	02/28/14		Restek, Lot A073209		(Purchased Reagent)		4,4'-DDT	10 ug/mL
							alpha-BHC	1 ug/mL
							beta-BHC	1 ug/mL
							Endrin	5 ug/mL
							gamma-BHC (Lindane)	1 ug/mL
							Methoxychlor	25 ug/mL
							Tetrachloro-m-xylene	1 ug/mL
SGPESTTCIV_00002	01/17/13	01/31/11	HEXANE, Lot K14E23	100 mL	SGPESTTCCV_00002	1 mL	Chlordane (technical)	10 ug/mL
							Chlordane (technical) Peak 1	10 ug/mL
							Chlordane (technical) Peak 2	10 ug/mL
							Chlordane (technical) Peak 3	10 ug/mL
							Chlordane (technical) Peak 4	10 ug/mL
.SGPESTTCCV_00002	09/06/21		AccuStandard, Lot 211091041		(Purchased Reagent)		Chlordane (technical)	1000 ug/mL
							Chlordane (technical) Peak 1	1000 ug/mL
							Chlordane (technical) Peak 2	1000 ug/mL
							Chlordane (technical) Peak 3	1000 ug/mL
							Chlordane (technical) Peak 4	1000 ug/mL
SGPESTTCST_00002	01/17/13	01/17/12	HEXANE, Lot K14E23	100 mL	SGPESTTC_00002	1 mL	Chlordane (technical)	10 ug/mL
							Chlordane (technical) Peak 1	10 ug/mL
							Chlordane (technical) Peak 2	10 ug/mL
							Chlordane (technical) Peak 3	10 ug/mL
							Chlordane (technical) Peak 4	10 ug/mL
.SGPESTTC_00002	11/30/16		Restek, Lot A072897		(Purchased Reagent)		Chlordane (technical)	1000 ug/mL
							Chlordane (technical) Peak 1	1000 ug/mL
							Chlordane (technical) Peak 2	1000 ug/mL
							Chlordane (technical) Peak 3	1000 ug/mL
							Chlordane (technical) Peak 4	1000 ug/mL
SGPESTTOXI_00003	02/02/13	01/10/12	HEXANE, Lot K12E23	100 mL	SGPESTTOX_00011	1 mL	Toxaphene	10 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Toxaphene Peak 1	10 ug/mL
							Toxaphene Peak 2	10 ug/mL
							Toxaphene Peak 3	10 ug/mL
							Toxaphene Peak 4	10 ug/mL
							Toxaphene Peak 5	10 ug/mL
.SGPESTTOX_00011	02/28/14		SUPELCO, Lot LB82082		(Purchased Reagent)		Toxaphene	1000 ug/mL
							Toxaphene Peak 1	1000 ug/mL
							Toxaphene Peak 2	1000 ug/mL
							Toxaphene Peak 3	1000 ug/mL
							Toxaphene Peak 4	1000 ug/mL
							Toxaphene Peak 5	1000 ug/mL
SGPESTTOXS_00005	04/02/13	04/02/12	HEXANE, Lot K34E37	100 mL	SGPESTTOX_00013	1 mL	Toxaphene	10 ug/mL
							Toxaphene Peak 1	10 ug/mL
							Toxaphene Peak 2	10 ug/mL
							Toxaphene Peak 3	10 ug/mL
							Toxaphene Peak 4	10 ug/mL
							Toxaphene Peak 5	10 ug/mL
.SGPESTTOX_00013	04/02/13		Restek, Lot A080394		(Purchased Reagent)		Toxaphene	1000 ug/mL
							Toxaphene Peak 1	1000 ug/mL
							Toxaphene Peak 2	1000 ug/mL
							Toxaphene Peak 3	1000 ug/mL
							Toxaphene Peak 4	1000 ug/mL
							Toxaphene Peak 5	1000 ug/mL
SGPESTTOXS_00006	07/27/13	07/31/12	HEXANE, Lot L08E17	100 mL	SGPESTTOX_00012	1 mL	Toxaphene	10 ug/mL
							Toxaphene Peak 1	10 ug/mL
							Toxaphene Peak 2	10 ug/mL
							Toxaphene Peak 3	10 ug/mL
							Toxaphene Peak 4	10 ug/mL
							Toxaphene Peak 5	10 ug/mL
.SGPESTTOX_00012	06/30/15		Restek, Lot A080394		(Purchased Reagent)		Toxaphene	1000 ug/mL
							Toxaphene Peak 1	1000 ug/mL
							Toxaphene Peak 2	1000 ug/mL
							Toxaphene Peak 3	1000 ug/mL
							Toxaphene Peak 4	1000 ug/mL
							Toxaphene Peak 5	1000 ug/mL
SMDoDSS Ind W_00001	08/31/13	02/16/12	MECL2, Lot K48E14	10 mL	SMDoDSSInd ST_00001	1 mL	1,2,4-Trichlorobenzene	10 ug/mL
							1,2-Dichlorobenzene	10 ug/mL
							1,3-Dichlorobenzene	10 ug/mL
							1,4-Dichlorobenzene	10 ug/mL
							2,4,5-Trichlorophenol	10 ug/mL
							2,4,6-Trichlorophenol	10 ug/mL
							2,4-Dichlorophenol	10 ug/mL
							2,4-Dimethylphenol	10 ug/mL
							2,4-Dinitrophenol	20 ug/mL
							2,4-Dinitrotoluene	10 ug/mL
							2,6-Dinitrotoluene	10 ug/mL
							2-Chloronaphthalene	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chlorophenol	10 ug/mL
							2-Methylnaphthalene	10 ug/mL
							2-Methylphenol	10 ug/mL
							2-Nitroaniline	10 ug/mL
							2-Nitrophenol	10 ug/mL
							3 & 4 Methylphenol	10 ug/mL
							3,3'-Dichlorobenzidine	10 ug/mL
							3-Nitroaniline	10 ug/mL
							4,6-Dinitro-2-methylphenol	10 ug/mL
							4-Bromophenyl phenyl ether	10 ug/mL
							4-Chloro-3-methylphenol	10 ug/mL
							4-Chloroaniline	10 ug/mL
							4-Chlorophenyl phenyl ether	10 ug/mL
							4-Nitroaniline	10 ug/mL
							4-Nitrophenol	10 ug/mL
							Acenaphthene	10 ug/mL
							Acenaphthylene	10 ug/mL
							Anthracene	10 ug/mL
							Benzo[a]anthracene	10 ug/mL
							Benzo[a]pyrene	10 ug/mL
							Benzo[b]fluoranthene	10 ug/mL
							Benzo[g,h,i]perylene	10 ug/mL
							Benzo[k]fluoranthene	10 ug/mL
							Benzoic acid	20 ug/mL
							Benzyl alcohol	10 ug/mL
							bis (2-chloroisopropyl) ether	10 ug/mL
							Bis(2-chloroethoxy)methane	10 ug/mL
							Bis(2-chloroethyl)ether	10 ug/mL
							Bis(2-ethylhexyl) phthalate	10 ug/mL
							Butyl benzyl phthalate	10 ug/mL
							Carbazole	10 ug/mL
							Chrysene	10 ug/mL
							Di-n-butyl phthalate	10 ug/mL
							Di-n-octyl phthalate	10 ug/mL
							Dibenz(a,h)anthracene	10 ug/mL
							Dibenzofuran	10 ug/mL
							Diethyl phthalate	10 ug/mL
							Dimethyl phthalate	10 ug/mL
							Fluoranthene	10 ug/mL
							Fluorene	10 ug/mL
							Hexachlorobenzene	10 ug/mL
							Hexachlorobutadiene	10 ug/mL
							Hexachlorocyclopentadiene	10 ug/mL
							Hexachloroethane	10 ug/mL
							Indeno[1,2,3-cd]pyrene	10 ug/mL
							Isophorone	10 ug/mL
							N-Nitrosodi-n-propylamine	10 ug/mL
							N-Nitrosodiphenylamine	10 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene	10 ug/mL
							Nitrobenzene	10 ug/mL
							Pentachlorophenol	20 ug/mL
							Phenanthrene	10 ug/mL
							Phenol	10 ug/mL
							Pyrene	10 ug/mL
.SMDoDSSInd ST_00001	08/31/13	02/16/12	MECL2, Lot K48E14	10 mL	SMDoD IND SS_00001	1 mL	1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3,3'-Dichlorobenzidine	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Anthracene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzoic acid	200 ug/mL
							Benzyl alcohol	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
..SMDoD IND SS_00001	08/31/13		Sigma-Aldrich, Lot LB90764		(Purchased Reagent)		1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3,3'-Dichlorobenzidine	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	1000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzoic acid	2000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
SMTCL L1 W_00007	04/30/13	09/10/12	MECL2, Lot 0000001289	2 mL	SMIS80PPMW_00006	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	4 ug/mL
					SMSUP ST_00003	2 uL	Pentachlorophenol	0.2 ug/mL
					SMTCL DPH ST_00003	2 uL	1,4-Dichlorobenzene	0.1 ug/mL
							2,4,5-Trichlorophenol	0.1 ug/mL
							2,4,6-Tribromophenol (Surr)	0.1 ug/mL
							2,4,6-Trichlorophenol	0.1 ug/mL
							2-Fluorophenol (Surr)	0.1 ug/mL
							2-Methylphenol	0.1 ug/mL
							3 & 4 Methylphenol	0.1 ug/mL
							Pentachlorophenol	0.2 ug/mL
							Phenol-d5 (Surr)	0.1 ug/mL
							Pyridine	0.1 ug/mL
							1,1'-Biphenyl	0.1 ug/mL
							1-Methylnaphthalene	0.1 ug/mL
							2-Methylnaphthalene	0.1 ug/mL
							Acenaphthene	0.1 ug/mL
							Acenaphthylene	0.1 ug/mL
							Anthracene	0.1 ug/mL
							Benzo[a]anthracene	0.1 ug/mL
							Benzo[a]pyrene	0.1 ug/mL
							Benzo[b]fluoranthene	0.1 ug/mL
							Benzo[g,h,i]perylene	0.1 ug/mL
							Benzo[k]fluoranthene	0.1 ug/mL
							Chrysene	0.1 ug/mL
							Dibenz(a,h)anthracene	0.1 ug/mL
							Dibenzofuran	0.1 ug/mL
							Fluoranthene	0.1 ug/mL
							Fluorene	0.1 ug/mL
							Indeno[1,2,3-cd]pyrene	0.1 ug/mL
							Naphthalene	0.1 ug/mL
							Phenanthrene	0.1 ug/mL
							Pyrene	0.1 ug/mL
							2,4-Dinitrotoluene	0.1 ug/mL
							2-Chloronaphthalene	0.1 ug/mL
							2-Fluorobiphenyl (Surr)	0.1 ug/mL
							Benzaldehyde	0.1 ug/mL
							Hexachlorobenzene	0.1 ug/mL
							Hexachlorobutadiene	0.1 ug/mL
							Hexachloroethane	0.1 ug/mL
							Nitrobenzene	0.1 ug/mL
							Nitrobenzene-d5 (Surr)	0.1 ug/mL
							Terphenyl-d14 (Surr)	0.1 ug/mL
.SMIS80PPMW_00006	09/11/13	09/10/12	MECL2, Lot 0000001289	50 mL	SMIS_00004	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..SMIS_00004	06/30/14	UltraScientific, Lot CH-1761			(Purchased Reagent)		1,4-Dichlorobenzene-d4	4000 ug/mL
							Acenaphthene-d10	4000 ug/mL
							Chrysene-d12	4000 ug/mL
							Naphthalene-d8	4000 ug/mL
							Perylene-d12	4000 ug/mL
							Phenanthrene-d10	4000 ug/mL
.SMSUP ST_00003	09/10/13	09/10/12	MECL2, Lot 0000001289	10 mL	SMACIDSUP3_00003	500 uL	Pentachlorophenol	100 ug/mL
..SMACIDSUP3_00003	04/01/21	Absolute Standards, Lot 211041014			(Purchased Reagent)		Pentachlorophenol	2000 ug/mL
.SMTCL DPH ST_00003	04/30/13	09/10/12	MECL2, Lot 0000001289	8 mL	SM8270TCL1_00003	2 mL	1,4-Dichlorobenzene	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							2-Methylphenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							Pentachlorophenol	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
					SM8270TCL2_00003	2 mL	Pyridine	100 ug/mL
					SM8270TCL3DPH_00002	2 mL	1,1'-Biphenyl	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Anthracene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Chrysene	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Naphthalene	100 ug/mL
							Phenanthrene	100 ug/mL
							Pyrene	100 ug/mL
					SM8270TCL4_00004	2 mL	2,4-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							Benzaldehyde	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Nitrobenzene	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..SM8270TCL1_00003	05/31/16		RESTEK, Lot A081795		(Purchased Reagent)		1,4-Dichlorobenzene	400 ug/mL
							2,4,5-Trichlorophenol	400 ug/mL
							2,4,6-Tribromophenol (Surr)	400 ug/mL
							2,4,6-Trichlorophenol	400 ug/mL
							2-Fluorophenol (Surr)	400 ug/mL
							2-Methylphenol	400 ug/mL
							3 & 4 Methylphenol	400 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenol-d5 (Surr)	400 ug/mL
..SM8270TCL2_00003	04/30/13		RESTEK, Lot A081245		(Purchased Reagent)		Pyridine	400 ug/mL
..SM8270TCL3DPH_00002	12/31/14		Restek, Lot A083779		(Purchased Reagent)		1,1'-Biphenyl	400 ug/mL
							1-Methylnaphthalene	400 ug/mL
							2-Methylnaphthalene	400 ug/mL
							Acenaphthene	400 ug/mL
							Acenaphthylene	400 ug/mL
							Anthracene	400 ug/mL
							Benzo[a]anthracene	400 ug/mL
							Benzo[a]pyrene	400 ug/mL
							Benzo[b]fluoranthene	400 ug/mL
							Benzo[g,h,i]perylene	400 ug/mL
							Benzo[k]fluoranthene	400 ug/mL
							Chrysene	400 ug/mL
							Dibenz(a,h)anthracene	400 ug/mL
							Dibenzofuran	400 ug/mL
							Fluoranthene	400 ug/mL
							Fluorene	400 ug/mL
							Indeno[1,2,3-cd]pyrene	400 ug/mL
							Naphthalene	400 ug/mL
							Phenanthrene	400 ug/mL
							Pyrene	400 ug/mL
..SM8270TCL4_00004	05/31/14		Restek, Lot A081933		(Purchased Reagent)		2,4-Dinitrotoluene	400 ug/mL
							2-Chloronaphthalene	400 ug/mL
							2-Fluorobiphenyl (Surr)	400 ug/mL
							Benzaldehyde	400 ug/mL
							Hexachlorobenzene	400 ug/mL
							Hexachlorobutadiene	400 ug/mL
							Hexachloroethane	400 ug/mL
							Nitrobenzene	400 ug/mL
							Nitrobenzene-d5 (Surr)	400 ug/mL
							Terphenyl-d14 (Surr)	400 ug/mL
SMTCL L2 W_00007	04/30/13	09/10/12	MECL2, Lot 0000001289	2 mL	SMIS80PPMW_00006	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMSUP ST_00003	10 uL	2,4-Dinitrophenol	1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzoic acid	1 ug/mL
							Pentachlorophenol	1 ug/mL
					SMTCL DPH ST_00003	10 uL	1,4-Dichlorobenzene	0.5 ug/mL
							1,4-Dioxane	0.5 ug/mL
							2,3,5,6-Tetrachlorophenol	0.5 ug/mL
							2,4,5-Trichlorophenol	0.5 ug/mL
							2,4,6-Tribromophenol (Surr)	0.5 ug/mL
							2,4,6-Trichlorophenol	0.5 ug/mL
							2,4-Dichlorophenol	0.5 ug/mL
							2,4-Dimethylphenol	0.5 ug/mL
							2,4-Dinitrophenol	1 ug/mL
							2-Chlorophenol	0.5 ug/mL
							2-Fluorophenol (Surr)	0.5 ug/mL
							2-Methylphenol	0.5 ug/mL
							2-Nitrophenol	0.5 ug/mL
							3 & 4 Methylphenol	0.5 ug/mL
							4,6-Dinitro-2-methylphenol	0.5 ug/mL
							4-Chloro-3-methylphenol	0.5 ug/mL
							4-Nitrophenol	0.5 ug/mL
							Benzoic acid	1 ug/mL
							Benzyl alcohol	0.5 ug/mL
							Pentachlorophenol	1 ug/mL
							Phenol	0.5 ug/mL
							Phenol-d5 (Surr)	0.5 ug/mL
							2,4-Toluene diamine	0.5 ug/mL
							2-Nitroaniline	0.5 ug/mL
							3,3'-Dichlorobenzidine	0.5 ug/mL
							3,3'-Dimethoxybenzidine	0.5 ug/mL
							3-Nitroaniline	0.5 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	0.5 ug/mL
							4-Chloroaniline	0.5 ug/mL
							4-Nitroaniline	0.5 ug/mL
							Aniline	0.5 ug/mL
							Atrazine	0.5 ug/mL
							Benzidine	0.5 ug/mL
							N-Nitrosodi-n-propylamine	0.5 ug/mL
							N-Nitrosodimethylamine	0.5 ug/mL
							N-Nitrosodiphenylamine	0.5 ug/mL
							Pyridine	0.5 ug/mL
							1,1'-Biphenyl	0.5 ug/mL
							1,2-Diphenylhydrazine	0.5 ug/mL
							1-Methylnaphthalene	0.5 ug/mL
							2-Methylnaphthalene	0.5 ug/mL
							Acenaphthene	0.5 ug/mL
							Acenaphthylene	0.5 ug/mL
							Acetophenone	0.5 ug/mL
							Anthracene	0.5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Azobenzene	0.5 ug/mL
							Benzo[a]anthracene	0.5 ug/mL
							Benzo[a]pyrene	0.5 ug/mL
							Benzo[b]fluoranthene	0.5 ug/mL
							Benzo[g,h,i]perylene	0.5 ug/mL
							Benzo[k]fluoranthene	0.5 ug/mL
							Bis(2-ethylhexyl) phthalate	0.5 ug/mL
							Butyl benzyl phthalate	0.5 ug/mL
							Caprolactam	0.5 ug/mL
							Carbazole	0.5 ug/mL
							Chrysene	0.5 ug/mL
							Di-n-butyl phthalate	0.5 ug/mL
							Di-n-octyl phthalate	0.5 ug/mL
							Dibenz(a,h)anthracene	0.5 ug/mL
							Dibenzofuran	0.5 ug/mL
							Diethyl phthalate	0.5 ug/mL
							Dimethyl phthalate	0.5 ug/mL
							Ethyl methacrylate	0.5 ug/mL
							Fluoranthene	0.5 ug/mL
							Fluorene	0.5 ug/mL
							Indeno[1,2,3-cd]pyrene	0.5 ug/mL
							Isophorone	0.5 ug/mL
							Naphthalene	0.5 ug/mL
							Phenanthrene	0.5 ug/mL
							Pyrene	0.5 ug/mL
							1,2,3,5-Tetrachlorobenzene	0.5 ug/mL
							1,2,4-Trichlorobenzene	0.5 ug/mL
							1,2-Dichlorobenzene	0.5 ug/mL
							1,2-Dinitrobenzene	0.5 ug/mL
							1,3,5-Trichlorobenzene	0.5 ug/mL
							1,3-Dichlorobenzene	0.5 ug/mL
							2,4-Dinitrotoluene	0.5 ug/mL
							2,6-Dinitrotoluene	0.5 ug/mL
							2-Chloronaphthalene	0.5 ug/mL
							2-Fluorobiphenyl (Surr)	0.5 ug/mL
							3-Chloropropionitrile	0.5 ug/mL
							4-Bromophenyl phenyl ether	0.5 ug/mL
							4-Chlorophenyl phenyl ether	0.5 ug/mL
							Benzaldehyde	0.5 ug/mL
							bis (2-chloroisopropyl) ether	0.5 ug/mL
							Bis(2-chloroethoxy)methane	0.5 ug/mL
							Bis(2-chloroethyl)ether	0.5 ug/mL
							Hexachlorobenzene	0.5 ug/mL
							Hexachlorobutadiene	0.5 ug/mL
							Hexachlorocyclopentadiene	0.5 ug/mL
							Hexachloroethane	0.5 ug/mL
							Malononitrile	0.5 ug/mL
							Nitrobenzene	0.5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nitrobenzene-d5 (Surr)	0.5 ug/mL
							Terphenyl-d14 (Surr)	0.5 ug/mL
.SMIS80PPMW_00006	09/11/13	09/10/12	MECL2, Lot 0000001289	50 mL	SMIS_00004	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS_00004	06/30/14	UltraScientific, Lot CH-1761			(Purchased Reagent)		1,4-Dichlorobenzene-d4	4000 ug/mL
							Acenaphthene-d10	4000 ug/mL
							Chrysene-d12	4000 ug/mL
							Naphthalene-d8	4000 ug/mL
							Perylene-d12	4000 ug/mL
							Phenanthrene-d10	4000 ug/mL
.SMSUP ST_00003	09/10/13	09/10/12	MECL2, Lot 0000001289	10 mL	SMACIDSUP1_00003	200 uL	2,4-Dinitrophenol	100 ug/mL
					SMACIDSUP2_00003	500 uL	Benzoic acid	100 ug/mL
					SMACIDSUP3_00003	500 uL	Pentachlorophenol	100 ug/mL
..SMACIDSUP1_00003	04/10/17	Absolute Standard, Lot B7040078			(Purchased Reagent)		2,4-Dinitrophenol	5000 ug/mL
..SMACIDSUP2_00003	06/07/21	Absolute Standards, Lot 211061093			(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SMACIDSUP3_00003	04/01/21	Absolute Standards, Lot 211041014			(Purchased Reagent)		Pentachlorophenol	2000 ug/mL
.SMTCL DPH ST_00003	04/30/13	09/10/12	MECL2, Lot 0000001289	8 mL	SM8270TCL1_00003	2 mL	1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							2,3,5,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Nitrophenol	100 ug/mL
							Benzoic acid	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Pentachlorophenol	100 ug/mL
							Phenol	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
					SM8270TCL2_00003	2 mL	2,4-Toluene diamine	100 ug/mL
							2-Nitroaniline	100 ug/mL
							3,3'-Dichlorobenzidine	100 ug/mL
							3,3'-Dimethoxybenzidine	100 ug/mL
							3-Nitroaniline	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4,4'-Methylene bis(2-chloroaniline)	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Nitroaniline	100 ug/mL
							Aniline	100 ug/mL
							Atrazine	100 ug/mL
							Benzidine	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							Pyridine	100 ug/mL
					SM8270TCL3DPH_00002	2 mL	1,1'-Biphenyl	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Caprolactam	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Ethyl methacrylate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							Naphthalene	100 ug/mL
							Phenanthrene	100 ug/mL
							Pyrene	100 ug/mL
					SM8270TCL4_00004	2 mL	1,2,3,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Dinitrobenzene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3,5-Trichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							3-Chloropropionitrile	100 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							Benzaldehyde	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Malononitrile	100 ug/mL
							Nitrobenzene	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SM8270TCL1_00003	05/31/16		RESTEK, Lot A081795		(Purchased Reagent)		1,4-Dichlorobenzene	400 ug/mL
							1,4-Dioxane	400 ug/mL
							2,3,5,6-Tetrachlorophenol	400 ug/mL
							2,4,5-Trichlorophenol	400 ug/mL
							2,4,6-Tribromophenol (Surr)	400 ug/mL
							2,4,6-Trichlorophenol	400 ug/mL
							2,4-Dichlorophenol	400 ug/mL
							2,4-Dimethylphenol	400 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2-Chlorophenol	400 ug/mL
							2-Fluorophenol (Surr)	400 ug/mL
							2-Methylphenol	400 ug/mL
							2-Nitrophenol	400 ug/mL
							3 & 4 Methylphenol	400 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Chloro-3-methylphenol	400 ug/mL
							4-Nitrophenol	400 ug/mL
							Benzoic acid	400 ug/mL
							Benzyl alcohol	400 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenol	400 ug/mL
							Phenol-d5 (Surr)	400 ug/mL
..SM8270TCL2_00003	04/30/13		RESTEK, Lot A081245		(Purchased Reagent)		2,4-Toluene diamine	400 ug/mL
							2-Nitroaniline	400 ug/mL
							3,3'-Dichlorobenzidine	400 ug/mL
							3,3'-Dimethoxybenzidine	400 ug/mL
							3-Nitroaniline	400 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4,4'-Methylene bis(2-chloroaniline)	400 ug/mL
							4-Chloroaniline	400 ug/mL
							4-Nitroaniline	400 ug/mL
							Aniline	400 ug/mL
							Atrazine	400 ug/mL
							Benzidine	400 ug/mL
							N-Nitrosodi-n-propylamine	400 ug/mL
							N-Nitrosodimethylamine	400 ug/mL
							N-Nitrosodiphenylamine	400 ug/mL
							Pyridine	400 ug/mL
..SM8270TCL3DPH_00002	12/31/14		Restek, Lot A083779		(Purchased Reagent)		1,1'-Biphenyl	400 ug/mL
							1,2-Diphenylhydrazine	400 ug/mL
							1-Methylnaphthalene	400 ug/mL
							2-Methylnaphthalene	400 ug/mL
							Acenaphthene	400 ug/mL
							Acenaphthylene	400 ug/mL
							Acetophenone	400 ug/mL
							Anthracene	400 ug/mL
							Azobenzene	400 ug/mL
							Benzo[a]anthracene	400 ug/mL
							Benzo[a]pyrene	400 ug/mL
							Benzo[b]fluoranthene	400 ug/mL
							Benzo[g,h,i]perylene	400 ug/mL
							Benzo[k]fluoranthene	400 ug/mL
							Bis(2-ethylhexyl) phthalate	400 ug/mL
							Butyl benzyl phthalate	400 ug/mL
							Caprolactam	400 ug/mL
							Carbazole	400 ug/mL
							Chrysene	400 ug/mL
							Di-n-butyl phthalate	400 ug/mL
							Di-n-octyl phthalate	400 ug/mL
							Dibenz(a,h)anthracene	400 ug/mL
							Dibenzofuran	400 ug/mL
							Diethyl phthalate	400 ug/mL
							Dimethyl phthalate	400 ug/mL
							Ethyl methacrylate	400 ug/mL
							Fluoranthene	400 ug/mL
							Fluorene	400 ug/mL
							Indeno[1,2,3-cd]pyrene	400 ug/mL
							Isophorone	400 ug/mL
							Naphthalene	400 ug/mL
							Phenanthrene	400 ug/mL
							Pyrene	400 ug/mL
..SM8270TCL4_00004	05/31/14		Restek, Lot A081933		(Purchased Reagent)		1,2,3,5-Tetrachlorobenzene	400 ug/mL
							1,2,4-Trichlorobenzene	400 ug/mL
							1,2-Dichlorobenzene	400 ug/mL
							1,2-Dinitrobenzene	400 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3,5-Trichlorobenzene	400 ug/mL
							1,3-Dichlorobenzene	400 ug/mL
							2,4-Dinitrotoluene	400 ug/mL
							2,6-Dinitrotoluene	400 ug/mL
							2-Chloronaphthalene	400 ug/mL
							2-Fluorobiphenyl (Surr)	400 ug/mL
							3-Chloropropionitrile	400 ug/mL
							4-Bromophenyl phenyl ether	400 ug/mL
							4-Chlorophenyl phenyl ether	400 ug/mL
							Benzaldehyde	400 ug/mL
							bis (2-chloroisopropyl) ether	400 ug/mL
							Bis(2-chloroethoxy)methane	400 ug/mL
							Bis(2-chloroethyl)ether	400 ug/mL
							Hexachlorobenzene	400 ug/mL
							Hexachlorobutadiene	400 ug/mL
							Hexachlorocyclopentadiene	400 ug/mL
							Hexachloroethane	400 ug/mL
							Malononitrile	400 ug/mL
							Nitrobenzene	400 ug/mL
							Nitrobenzene-d5 (Surr)	400 ug/mL
							Terphenyl-d14 (Surr)	400 ug/mL
SMTCL L3 W_00007	04/30/13	09/10/12	MECL2, Lot 0000001289	2 mL	SMIS80PPMW_00006	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMSUP ST_00003	20 uL	2,4-Dinitrophenol	2 ug/mL
							Benzoic acid	2 ug/mL
							Pentachlorophenol	2 ug/mL
					SMTCL DPH ST_00003	20 uL	1,4-Dichlorobenzene	1 ug/mL
							1,4-Dioxane	1 ug/mL
							2,3,5,6-Tetrachlorophenol	1 ug/mL
							2,4,5-Trichlorophenol	1 ug/mL
							2,4,6-Tribromophenol (Surr)	1 ug/mL
							2,4,6-Trichlorophenol	1 ug/mL
							2,4-Dichlorophenol	1 ug/mL
							2,4-Dimethylphenol	1 ug/mL
							2,4-Dinitrophenol	2 ug/mL
							2-Chlorophenol	1 ug/mL
							2-Fluorophenol (Surr)	1 ug/mL
							2-Methylphenol	1 ug/mL
							2-Nitrophenol	1 ug/mL
							3 & 4 Methylphenol	1 ug/mL
							4,6-Dinitro-2-methylphenol	1 ug/mL
							4-Chloro-3-methylphenol	1 ug/mL
							4-Nitrophenol	1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzoic acid	2 ug/mL
							Benzyl alcohol	1 ug/mL
							Pentachlorophenol	2 ug/mL
							Phenol	1 ug/mL
							Phenol-d5 (Surr)	1 ug/mL
							2,4-Toluene diamine	1 ug/mL
							2-Nitroaniline	1 ug/mL
							3,3'-Dichlorobenzidine	1 ug/mL
							3,3'-Dimethoxybenzidine	1 ug/mL
							3-Nitroaniline	1 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1 ug/mL
							4-Chloroaniline	1 ug/mL
							4-Nitroaniline	1 ug/mL
							Aniline	1 ug/mL
							Atrazine	1 ug/mL
							Benzidine	1 ug/mL
							N-Nitrosodi-n-propylamine	1 ug/mL
							N-Nitrosodimethylamine	1 ug/mL
							N-Nitrosodiphenylamine	1 ug/mL
							Pyridine	1 ug/mL
							1,1'-Biphenyl	1 ug/mL
							1,2-Diphenylhydrazine	1 ug/mL
							1-Methylnaphthalene	1 ug/mL
							2-Methylnaphthalene	1 ug/mL
							Acenaphthene	1 ug/mL
							Acenaphthylene	1 ug/mL
							Acetophenone	1 ug/mL
							Anthracene	1 ug/mL
							Azobenzene	1 ug/mL
							Benzo[a]anthracene	1 ug/mL
							Benzo[a]pyrene	1 ug/mL
							Benzo[b]fluoranthene	1 ug/mL
							Benzo[g,h,i]perylene	1 ug/mL
							Benzo[k]fluoranthene	1 ug/mL
							Bis(2-ethylhexyl) phthalate	1 ug/mL
							Butyl benzyl phthalate	1 ug/mL
							Caprolactam	1 ug/mL
							Carbazole	1 ug/mL
							Chrysene	1 ug/mL
							Di-n-butyl phthalate	1 ug/mL
							Di-n-octyl phthalate	1 ug/mL
							Dibenz(a,h)anthracene	1 ug/mL
							Dibenzofuran	1 ug/mL
							Diethyl phthalate	1 ug/mL
							Dimethyl phthalate	1 ug/mL
							Ethyl methacrylate	1 ug/mL
							Fluoranthene	1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluorene	1 ug/mL
							Indeno[1,2,3-cd]pyrene	1 ug/mL
							Isophorone	1 ug/mL
							Naphthalene	1 ug/mL
							Phenanthrene	1 ug/mL
							Pyrene	1 ug/mL
							1,2,3,5-Tetrachlorobenzene	1 ug/mL
							1,2,4-Trichlorobenzene	1 ug/mL
							1,2-Dichlorobenzene	1 ug/mL
							1,2-Dinitrobenzene	1 ug/mL
							1,3,5-Trichlorobenzene	1 ug/mL
							1,3-Dichlorobenzene	1 ug/mL
							2,4-Dinitrotoluene	1 ug/mL
							2,6-Dinitrotoluene	1 ug/mL
							2-Chloronaphthalene	1 ug/mL
							2-Fluorobiphenyl (Surr)	1 ug/mL
							3-Chloropropionitrile	1 ug/mL
							4-Bromophenyl phenyl ether	1 ug/mL
							4-Chlorophenyl phenyl ether	1 ug/mL
							Benzaldehyde	1 ug/mL
							bis (2-chloroisopropyl) ether	1 ug/mL
							Bis(2-chloroethoxy)methane	1 ug/mL
							Bis(2-chloroethyl)ether	1 ug/mL
							Hexachlorobenzene	1 ug/mL
							Hexachlorobutadiene	1 ug/mL
							Hexachlorocyclopentadiene	1 ug/mL
							Hexachloroethane	1 ug/mL
							Malononitrile	1 ug/mL
							Nitrobenzene	1 ug/mL
							Nitrobenzene-d5 (Surr)	1 ug/mL
							Terphenyl-d14 (Surr)	1 ug/mL
.SMIS80PPMW_00006	09/11/13	09/10/12	MECL2, Lot 0000001289	50 mL	SMIS_00004	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS_00004	06/30/14	UltraScientific, Lot CH-1761			(Purchased Reagent)		1,4-Dichlorobenzene-d4	4000 ug/mL
							Acenaphthene-d10	4000 ug/mL
							Chrysene-d12	4000 ug/mL
							Naphthalene-d8	4000 ug/mL
							Perylene-d12	4000 ug/mL
							Phenanthrene-d10	4000 ug/mL
.SMSUP ST_00003	09/10/13	09/10/12	MECL2, Lot 0000001289	10 mL	SMACIDSUP1_00003	200 uL	2,4-Dinitrophenol	100 ug/mL
					SMACIDSUP2_00003	500 uL	Benzoic acid	100 ug/mL
					SMACIDSUP3_00003	500 uL	Pentachlorophenol	100 ug/mL
..SMACIDSUP1_00003	04/10/17	Absolute Standard, Lot B7040078			(Purchased Reagent)		2,4-Dinitrophenol	5000 ug/mL
..SMACIDSUP2_00003	06/07/21	Absolute Standards, Lot 211061093			(Purchased Reagent)		Benzoic acid	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..SMACIDSUP3_00003	04/01/21	Absolute Standards, Lot 211041014			(Purchased Reagent)		Pentachlorophenol	2000 ug/mL
.SMTCL DPH ST_00003	04/30/13	09/10/12	MECL2, Lot 0000001289	8 mL	SM8270TCL1_00003	2 mL	1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							2,3,5,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Nitrophenol	100 ug/mL
							Benzoic acid	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Pentachlorophenol	100 ug/mL
							Phenol	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
					SM8270TCL2_00003	2 mL	2,4-Toluene diamine	100 ug/mL
							2-Nitroaniline	100 ug/mL
							3,3'-Dichlorobenzidine	100 ug/mL
							3,3'-Dimethoxybenzidine	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Nitroaniline	100 ug/mL
							Aniline	100 ug/mL
							Atrazine	100 ug/mL
							Benzidine	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							Pyridine	100 ug/mL
					SM8270TCL3DPH_00002	2 mL	1,1'-Biphenyl	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Caprolactam	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Ethyl methacrylate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							Naphthalene	100 ug/mL
							Phenanthrene	100 ug/mL
							Pyrene	100 ug/mL
					SM8270TCL4_00004	2 mL	1,2,3,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Dinitrobenzene	100 ug/mL
							1,3,5-Trichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							3-Chloropropionitrile	100 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							Benzaldehyde	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Malononitrile	100 ug/mL
							Nitrobenzene	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Terphenyl-d14 (Surr)	100 ug/mL
..SM8270TCL1_00003	05/31/16		RESTEK, Lot A081795		(Purchased Reagent)		1,4-Dichlorobenzene	400 ug/mL
							1,4-Dioxane	400 ug/mL
							2,3,5,6-Tetrachlorophenol	400 ug/mL
							2,4,5-Trichlorophenol	400 ug/mL
							2,4,6-Tribromophenol (Surr)	400 ug/mL
							2,4,6-Trichlorophenol	400 ug/mL
							2,4-Dichlorophenol	400 ug/mL
							2,4-Dimethylphenol	400 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2-Chlorophenol	400 ug/mL
							2-Fluorophenol (Surr)	400 ug/mL
							2-Methylphenol	400 ug/mL
							2-Nitrophenol	400 ug/mL
							3 & 4 Methylphenol	400 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Chloro-3-methylphenol	400 ug/mL
							4-Nitrophenol	400 ug/mL
							Benzoic acid	400 ug/mL
							Benzyl alcohol	400 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenol	400 ug/mL
							Phenol-d5 (Surr)	400 ug/mL
..SM8270TCL2_00003	04/30/13		RESTEK, Lot A081245		(Purchased Reagent)		2,4-Toluene diamine	400 ug/mL
							2-Nitroaniline	400 ug/mL
							3,3'-Dichlorobenzidine	400 ug/mL
							3,3'-Dimethoxybenzidine	400 ug/mL
							3-Nitroaniline	400 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	400 ug/mL
							4-Chloroaniline	400 ug/mL
							4-Nitroaniline	400 ug/mL
							Aniline	400 ug/mL
							Atrazine	400 ug/mL
							Benzidine	400 ug/mL
							N-Nitrosodi-n-propylamine	400 ug/mL
							N-Nitrosodimethylamine	400 ug/mL
							N-Nitrosodiphenylamine	400 ug/mL
							Pyridine	400 ug/mL
..SM8270TCL3DPH_00002	12/31/14		Restek, Lot A083779		(Purchased Reagent)		1,1'-Biphenyl	400 ug/mL
							1,2-Diphenylhydrazine	400 ug/mL
							1-Methylnaphthalene	400 ug/mL
							2-Methylnaphthalene	400 ug/mL
							Acenaphthene	400 ug/mL
							Acenaphthylene	400 ug/mL
							Acetophenone	400 ug/mL
							Anthracene	400 ug/mL
							Azobenzene	400 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]anthracene	400 ug/mL
							Benzo[a]pyrene	400 ug/mL
							Benzo[b]fluoranthene	400 ug/mL
							Benzo[g,h,i]perylene	400 ug/mL
							Benzo[k]fluoranthene	400 ug/mL
							Bis(2-ethylhexyl) phthalate	400 ug/mL
							Butyl benzyl phthalate	400 ug/mL
							Caprolactam	400 ug/mL
							Carbazole	400 ug/mL
							Chrysene	400 ug/mL
							Di-n-butyl phthalate	400 ug/mL
							Di-n-octyl phthalate	400 ug/mL
							Dibenz(a,h)anthracene	400 ug/mL
							Dibenzofuran	400 ug/mL
							Diethyl phthalate	400 ug/mL
							Dimethyl phthalate	400 ug/mL
							Ethyl methacrylate	400 ug/mL
							Fluoranthene	400 ug/mL
							Fluorene	400 ug/mL
							Indeno[1,2,3-cd]pyrene	400 ug/mL
							Isophorone	400 ug/mL
							Naphthalene	400 ug/mL
							Phenanthrene	400 ug/mL
							Pyrene	400 ug/mL
..SM8270TCL4_00004	05/31/14		Restek, Lot A081933		(Purchased Reagent)		1,2,3,5-Tetrachlorobenzene	400 ug/mL
							1,2,4-Trichlorobenzene	400 ug/mL
							1,2-Dichlorobenzene	400 ug/mL
							1,2-Dinitrobenzene	400 ug/mL
							1,3,5-Trichlorobenzene	400 ug/mL
							1,3-Dichlorobenzene	400 ug/mL
							2,4-Dinitrotoluene	400 ug/mL
							2,6-Dinitrotoluene	400 ug/mL
							2-Chloronaphthalene	400 ug/mL
							2-Fluorobiphenyl (Surr)	400 ug/mL
							3-Chloropropionitrile	400 ug/mL
							4-Bromophenyl phenyl ether	400 ug/mL
							4-Chlorophenyl phenyl ether	400 ug/mL
							Benzaldehyde	400 ug/mL
							bis (2-chloroisopropyl) ether	400 ug/mL
							Bis(2-chloroethoxy)methane	400 ug/mL
							Bis(2-chloroethyl)ether	400 ug/mL
							Hexachlorobenzene	400 ug/mL
							Hexachlorobutadiene	400 ug/mL
							Hexachlorocyclopentadiene	400 ug/mL
							Hexachloroethane	400 ug/mL
							Malononitrile	400 ug/mL
							Nitrobenzene	400 ug/mL
							Nitrobenzene-d5 (Surr)	400 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Terphenyl-d14 (Surr)	400 ug/mL
SMTCL L4 W_00007	04/30/13	09/10/12	MECL2, Lot 0000001289	2 mL	SMIS80PPMW_00006	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMSUP ST_00003	40 uL	2,4-Dinitrophenol	4 ug/mL
							Benzoic acid	4 ug/mL
							Pentachlorophenol	4 ug/mL
					SMTCL DPH ST_00003	40 uL	1,4-Dichlorobenzene	2 ug/mL
							1,4-Dioxane	2 ug/mL
							2,3,5,6-Tetrachlorophenol	2 ug/mL
							2,4,5-Trichlorophenol	2 ug/mL
							2,4,6-Tribromophenol (Surr)	2 ug/mL
							2,4,6-Trichlorophenol	2 ug/mL
							2,4-Dichlorophenol	2 ug/mL
							2,4-Dimethylphenol	2 ug/mL
							2,4-Dinitrophenol	4 ug/mL
							2-Chlorophenol	2 ug/mL
							2-Fluorophenol (Surr)	2 ug/mL
							2-Methylphenol	2 ug/mL
							2-Nitrophenol	2 ug/mL
							3 & 4 Methylphenol	2 ug/mL
							4,6-Dinitro-2-methylphenol	2 ug/mL
							4-Chloro-3-methylphenol	2 ug/mL
							4-Nitrophenol	2 ug/mL
							Benzoic acid	4 ug/mL
							Benzyl alcohol	2 ug/mL
							Pentachlorophenol	4 ug/mL
							Phenol	2 ug/mL
							Phenol-d5 (Surr)	2 ug/mL
							2,4-Toluene diamine	2 ug/mL
							2-Nitroaniline	2 ug/mL
							3,3'-Dichlorobenzidine	2 ug/mL
							3,3'-Dimethoxybenzidine	2 ug/mL
							3-Nitroaniline	2 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	2 ug/mL
							4-Chloroaniline	2 ug/mL
							4-Nitroaniline	2 ug/mL
							Aniline	2 ug/mL
							Atrazine	2 ug/mL
							Benzidine	2 ug/mL
							N-Nitrosodi-n-propylamine	2 ug/mL
							N-Nitrosodimethylamine	2 ug/mL
							N-Nitrosodiphenylamine	2 ug/mL
							Pyridine	2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1'-Biphenyl	2 ug/mL
							1,2-Diphenylhydrazine	2 ug/mL
							1-Methylnaphthalene	2 ug/mL
							2-Methylnaphthalene	2 ug/mL
							Acenaphthene	2 ug/mL
							Acenaphthylene	2 ug/mL
							Acetophenone	2 ug/mL
							Anthracene	2 ug/mL
							Azobenzene	2 ug/mL
							Benzo[a]anthracene	2 ug/mL
							Benzo[a]pyrene	2 ug/mL
							Benzo[b]fluoranthene	2 ug/mL
							Benzo[g,h,i]perylene	2 ug/mL
							Benzo[k]fluoranthene	2 ug/mL
							Bis(2-ethylhexyl) phthalate	2 ug/mL
							Butyl benzyl phthalate	2 ug/mL
							Caprolactam	2 ug/mL
							Carbazole	2 ug/mL
							Chrysene	2 ug/mL
							Di-n-butyl phthalate	2 ug/mL
							Di-n-octyl phthalate	2 ug/mL
							Dibenz(a,h)anthracene	2 ug/mL
							Dibenzofuran	2 ug/mL
							Diethyl phthalate	2 ug/mL
							Dimethyl phthalate	2 ug/mL
							Ethyl methacrylate	2 ug/mL
							Fluoranthene	2 ug/mL
							Fluorene	2 ug/mL
							Indeno[1,2,3-cd]pyrene	2 ug/mL
							Isophorone	2 ug/mL
							Naphthalene	2 ug/mL
							Phenanthrene	2 ug/mL
							Pyrene	2 ug/mL
							1,2,3,5-Tetrachlorobenzene	2 ug/mL
							1,2,4-Trichlorobenzene	2 ug/mL
							1,2-Dichlorobenzene	2 ug/mL
							1,2-Dinitrobenzene	2 ug/mL
							1,3,5-Trichlorobenzene	2 ug/mL
							1,3-Dichlorobenzene	2 ug/mL
							2,4-Dinitrotoluene	2 ug/mL
							2,6-Dinitrotoluene	2 ug/mL
							2-Chloronaphthalene	2 ug/mL
							2-Fluorobiphenyl (Surr)	2 ug/mL
							3-Chloropropionitrile	2 ug/mL
							4-Bromophenyl phenyl ether	2 ug/mL
							4-Chlorophenyl phenyl ether	2 ug/mL
							Benzaldehyde	2 ug/mL
							bis (2-chloroisopropyl) ether	2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-chloroethoxy)methane	2 ug/mL
							Bis(2-chloroethyl)ether	2 ug/mL
							Hexachlorobenzene	2 ug/mL
							Hexachlorobutadiene	2 ug/mL
							Hexachlorocyclopentadiene	2 ug/mL
							Hexachloroethane	2 ug/mL
							Malononitrile	2 ug/mL
							Nitrobenzene	2 ug/mL
							Nitrobenzene-d5 (Surr)	2 ug/mL
							Terphenyl-d14 (Surr)	2 ug/mL
.SMIS80PPMW_00006	09/11/13	09/10/12	MECL2, Lot 0000001289	50 mL	SMIS_00004	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS_00004	06/30/14	UltraScientific, Lot CH-1761			(Purchased Reagent)		1,4-Dichlorobenzene-d4	4000 ug/mL
							Acenaphthene-d10	4000 ug/mL
							Chrysene-d12	4000 ug/mL
							Naphthalene-d8	4000 ug/mL
							Perylene-d12	4000 ug/mL
							Phenanthrene-d10	4000 ug/mL
.SMSUP ST_00003	09/10/13	09/10/12	MECL2, Lot 0000001289	10 mL	SMACIDSUP1_00003	200 uL	2,4-Dinitrophenol	100 ug/mL
					SMACIDSUP2_00003	500 uL	Benzoic acid	100 ug/mL
					SMACIDSUP3_00003	500 uL	Pentachlorophenol	100 ug/mL
..SMACIDSUP1_00003	04/10/17	Absolute Standard, Lot B7040078			(Purchased Reagent)		2,4-Dinitrophenol	5000 ug/mL
..SMACIDSUP2_00003	06/07/21	Absolute Standards, Lot 211061093			(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SMACIDSUP3_00003	04/01/21	Absolute Standards, Lot 211041014			(Purchased Reagent)		Pentachlorophenol	2000 ug/mL
.SMTCL DPH ST_00003	04/30/13	09/10/12	MECL2, Lot 0000001289	8 mL	SM8270TCL1_00003	2 mL	1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							2,3,5,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Nitrophenol	100 ug/mL
							Benzoic acid	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Pentachlorophenol	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenol	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
					SM8270TCL2_00003	2 mL	2,4-Toluene diamine	100 ug/mL
							2-Nitroaniline	100 ug/mL
							3,3'-Dichlorobenzidine	100 ug/mL
							3,3'-Dimethoxybenzidine	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Nitroaniline	100 ug/mL
							Aniline	100 ug/mL
							Atrazine	100 ug/mL
							Benzidine	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							Pyridine	100 ug/mL
					SM8270TCL3DPH_00002	2 mL	1,1'-Biphenyl	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Caprolactam	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Ethyl methacrylate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene	100 ug/mL
							Phenanthrene	100 ug/mL
							Pyrene	100 ug/mL
					SM8270TCL4_00004	2 mL	1,2,3,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Dinitrobenzene	100 ug/mL
							1,3,5-Trichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							3-Chloropropionitrile	100 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							Benzaldehyde	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Malononitrile	100 ug/mL
							Nitrobenzene	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SM8270TCL1_00003	05/31/16		RESTEK, Lot A081795		(Purchased Reagent)		1,4-Dichlorobenzene	400 ug/mL
							1,4-Dioxane	400 ug/mL
							2,3,5,6-Tetrachlorophenol	400 ug/mL
							2,4,5-Trichlorophenol	400 ug/mL
							2,4,6-Tribromophenol (Surr)	400 ug/mL
							2,4,6-Trichlorophenol	400 ug/mL
							2,4-Dichlorophenol	400 ug/mL
							2,4-Dimethylphenol	400 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2-Chlorophenol	400 ug/mL
							2-Fluorophenol (Surr)	400 ug/mL
							2-Methylphenol	400 ug/mL
							2-Nitrophenol	400 ug/mL
							3 & 4 Methylphenol	400 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Chloro-3-methylphenol	400 ug/mL
							4-Nitrophenol	400 ug/mL
							Benzoic acid	400 ug/mL
							Benzyl alcohol	400 ug/mL
							Pentachlorophenol	400 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenol	400 ug/mL
							Phenol-d5 (Surr)	400 ug/mL
..SM8270TCL2_00003	04/30/13		RESTEK, Lot A081245		(Purchased Reagent)		2,4-Toluene diamine	400 ug/mL
							2-Nitroaniline	400 ug/mL
							3,3'-Dichlorobenzidine	400 ug/mL
							3,3'-Dimethoxybenzidine	400 ug/mL
							3-Nitroaniline	400 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	400 ug/mL
							4-Chloroaniline	400 ug/mL
							4-Nitroaniline	400 ug/mL
							Aniline	400 ug/mL
							Atrazine	400 ug/mL
							Benzidine	400 ug/mL
							N-Nitrosodi-n-propylamine	400 ug/mL
							N-Nitrosodimethylamine	400 ug/mL
							N-Nitrosodiphenylamine	400 ug/mL
							Pyridine	400 ug/mL
..SM8270TCL3DPH_00002	12/31/14		Restek, Lot A083779		(Purchased Reagent)		1,1'-Biphenyl	400 ug/mL
							1,2-Diphenylhydrazine	400 ug/mL
							1-Methylnaphthalene	400 ug/mL
							2-Methylnaphthalene	400 ug/mL
							Acenaphthene	400 ug/mL
							Acenaphthylene	400 ug/mL
							Acetophenone	400 ug/mL
							Anthracene	400 ug/mL
							Azobenzene	400 ug/mL
							Benzo[a]anthracene	400 ug/mL
							Benzo[a]pyrene	400 ug/mL
							Benzo[b]fluoranthene	400 ug/mL
							Benzo[g,h,i]perylene	400 ug/mL
							Benzo[k]fluoranthene	400 ug/mL
							Bis(2-ethylhexyl) phthalate	400 ug/mL
							Butyl benzyl phthalate	400 ug/mL
							Caprolactam	400 ug/mL
							Carbazole	400 ug/mL
							Chrysene	400 ug/mL
							Di-n-butyl phthalate	400 ug/mL
							Di-n-octyl phthalate	400 ug/mL
							Dibenz(a,h)anthracene	400 ug/mL
							Dibenzofuran	400 ug/mL
							Diethyl phthalate	400 ug/mL
							Dimethyl phthalate	400 ug/mL
							Ethyl methacrylate	400 ug/mL
							Fluoranthene	400 ug/mL
							Fluorene	400 ug/mL
							Indeno[1,2,3-cd]pyrene	400 ug/mL
							Isophorone	400 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene	400 ug/mL
							Phenanthrene	400 ug/mL
							Pyrene	400 ug/mL
..SM8270TCL4_00004	05/31/14		Restek, Lot A081933		(Purchased Reagent)		1,2,3,5-Tetrachlorobenzene	400 ug/mL
							1,2,4-Trichlorobenzene	400 ug/mL
							1,2-Dichlorobenzene	400 ug/mL
							1,2-Dinitrobenzene	400 ug/mL
							1,3,5-Trichlorobenzene	400 ug/mL
							1,3-Dichlorobenzene	400 ug/mL
							2,4-Dinitrotoluene	400 ug/mL
							2,6-Dinitrotoluene	400 ug/mL
							2-Chloronaphthalene	400 ug/mL
							2-Fluorobiphenyl (Surr)	400 ug/mL
							3-Chloropropionitrile	400 ug/mL
							4-Bromophenyl phenyl ether	400 ug/mL
							4-Chlorophenyl phenyl ether	400 ug/mL
							Benzaldehyde	400 ug/mL
							bis (2-chloroisopropyl) ether	400 ug/mL
							Bis(2-chloroethoxy)methane	400 ug/mL
							Bis(2-chloroethyl)ether	400 ug/mL
							Hexachlorobenzene	400 ug/mL
							Hexachlorobutadiene	400 ug/mL
							Hexachlorocyclopentadiene	400 ug/mL
							Hexachloroethane	400 ug/mL
							Malononitrile	400 ug/mL
							Nitrobenzene	400 ug/mL
							Nitrobenzene-d5 (Surr)	400 ug/mL
							Terphenyl-d14 (Surr)	400 ug/mL
SMTCL L5 W_00007	04/30/13	09/10/12	MECL2, Lot 0000001289	2 mL	SMIS80PPMW_00006	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMSUP ST_00003	100 uL	2,4-Dinitrophenol	10 ug/mL
							Benzoic acid	10 ug/mL
							Pentachlorophenol	10 ug/mL
					SMTCL DPH ST_00003	100 uL	1,4-Dichlorobenzene	5 ug/mL
							1,4-Dioxane	5 ug/mL
							2,3,5,6-Tetrachlorophenol	5 ug/mL
							2,4,5-Trichlorophenol	5 ug/mL
							2,4,6-Tribromophenol (Surr)	5 ug/mL
							2,4,6-Trichlorophenol	5 ug/mL
							2,4-Dichlorophenol	5 ug/mL
							2,4-Dimethylphenol	5 ug/mL
							2,4-Dinitrophenol	10 ug/mL
							2-Chlorophenol	5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Fluorophenol (Surr)	5 ug/mL
							2-Methylphenol	5 ug/mL
							2-Nitrophenol	5 ug/mL
							3 & 4 Methylphenol	5 ug/mL
							4,6-Dinitro-2-methylphenol	5 ug/mL
							4-Chloro-3-methylphenol	5 ug/mL
							4-Nitrophenol	5 ug/mL
							Benzoic acid	10 ug/mL
							Benzyl alcohol	5 ug/mL
							Pentachlorophenol	10 ug/mL
							Phenol	5 ug/mL
							Phenol-d5 (Surr)	5 ug/mL
							2,4-Toluene diamine	5 ug/mL
							2-Nitroaniline	5 ug/mL
							3,3'-Dichlorobenzidine	5 ug/mL
							3,3'-Dimethoxybenzidine	5 ug/mL
							3-Nitroaniline	5 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	5 ug/mL
							4-Chloroaniline	5 ug/mL
							4-Nitroaniline	5 ug/mL
							Aniline	5 ug/mL
							Atrazine	5 ug/mL
							Benzidine	5 ug/mL
							N-Nitrosodi-n-propylamine	5 ug/mL
							N-Nitrosodimethylamine	5 ug/mL
							N-Nitrosodiphenylamine	5 ug/mL
							Pyridine	5 ug/mL
							1,1'-Biphenyl	5 ug/mL
							1,2-Diphenylhydrazine	5 ug/mL
							1-Methylnaphthalene	5 ug/mL
							2-Methylnaphthalene	5 ug/mL
							Acenaphthene	5 ug/mL
							Acenaphthylene	5 ug/mL
							Acetophenone	5 ug/mL
							Anthracene	5 ug/mL
							Azobenzene	5 ug/mL
							Benzo[a]anthracene	5 ug/mL
							Benzo[a]pyrene	5 ug/mL
							Benzo[b]fluoranthene	5 ug/mL
							Benzo[g,h,i]perylene	5 ug/mL
							Benzo[k]fluoranthene	5 ug/mL
							Bis(2-ethylhexyl) phthalate	5 ug/mL
							Butyl benzyl phthalate	5 ug/mL
							Caprolactam	5 ug/mL
							Carbazole	5 ug/mL
							Chrysene	5 ug/mL
							Di-n-butyl phthalate	5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Di-n-octyl phthalate	5 ug/mL
							Dibenz(a,h)anthracene	5 ug/mL
							Dibenzofuran	5 ug/mL
							Diethyl phthalate	5 ug/mL
							Dimethyl phthalate	5 ug/mL
							Ethyl methacrylate	5 ug/mL
							Fluoranthene	5 ug/mL
							Fluorene	5 ug/mL
							Indeno[1,2,3-cd]pyrene	5 ug/mL
							Isophorone	5 ug/mL
							Naphthalene	5 ug/mL
							Phenanthrene	5 ug/mL
							Pyrene	5 ug/mL
							1,2,3,5-Tetrachlorobenzene	5 ug/mL
							1,2,4-Trichlorobenzene	5 ug/mL
							1,2-Dichlorobenzene	5 ug/mL
							1,2-Dinitrobenzene	5 ug/mL
							1,3,5-Trichlorobenzene	5 ug/mL
							1,3-Dichlorobenzene	5 ug/mL
							2,4-Dinitrotoluene	5 ug/mL
							2,6-Dinitrotoluene	5 ug/mL
							2-Chloronaphthalene	5 ug/mL
							2-Fluorobiphenyl (Surr)	5 ug/mL
							3-Chloropropionitrile	5 ug/mL
							4-Bromophenyl phenyl ether	5 ug/mL
							4-Chlorophenyl phenyl ether	5 ug/mL
							Benzaldehyde	5 ug/mL
							bis (2-chloroisopropyl) ether	5 ug/mL
							Bis(2-chloroethoxy)methane	5 ug/mL
							Bis(2-chloroethyl)ether	5 ug/mL
							Hexachlorobenzene	5 ug/mL
							Hexachlorobutadiene	5 ug/mL
							Hexachlorocyclopentadiene	5 ug/mL
							Hexachloroethane	5 ug/mL
							Malononitrile	5 ug/mL
							Nitrobenzene	5 ug/mL
							Nitrobenzene-d5 (Surr)	5 ug/mL
							Terphenyl-d14 (Surr)	5 ug/mL
.SMIS80PPMW_00006	09/11/13	09/10/12	MECL2, Lot 0000001289	50 mL	SMIS_00004	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS_00004	06/30/14	UltraScientific, Lot CH-1761			(Purchased Reagent)		1,4-Dichlorobenzene-d4	4000 ug/mL
							Acenaphthene-d10	4000 ug/mL
							Chrysene-d12	4000 ug/mL
							Naphthalene-d8	4000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	4000 ug/mL
							Phenanthrene-d10	4000 ug/mL
.SMSUP ST_00003	09/10/13	09/10/12	MECL2, Lot 0000001289	10 mL	SMACIDSUP1_00003	200 uL	2,4-Dinitrophenol	100 ug/mL
					SMACIDSUP2_00003	500 uL	Benzoic acid	100 ug/mL
					SMACIDSUP3_00003	500 uL	Pentachlorophenol	100 ug/mL
..SMACIDSUP1_00003	04/10/17	Absolute Standard, Lot B7040078			(Purchased Reagent)		2,4-Dinitrophenol	5000 ug/mL
..SMACIDSUP2_00003	06/07/21	Absolute Standards, Lot 211061093			(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SMACIDSUP3_00003	04/01/21	Absolute Standards, Lot 211041014			(Purchased Reagent)		Pentachlorophenol	2000 ug/mL
.SMTCL DPH ST_00003	04/30/13	09/10/12	MECL2, Lot 0000001289	8 mL	SM8270TCL1_00003	2 mL	1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							2,3,5,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Nitrophenol	100 ug/mL
							Benzoic acid	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Pentachlorophenol	100 ug/mL
							Phenol	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
					SM8270TCL2_00003	2 mL	2,4-Toluene diamine	100 ug/mL
							2-Nitroaniline	100 ug/mL
							3,3'-Dichlorobenzidine	100 ug/mL
							3,3'-Dimethoxybenzidine	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Nitroaniline	100 ug/mL
							Aniline	100 ug/mL
							Atrazine	100 ug/mL
							Benzidine	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							Pyridine	100 ug/mL
					SM8270TCL3DPH_00002	2 mL	1,1'-Biphenyl	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1-Methylnaphthalene	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Caprolactam	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Ethyl methacrylate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							Naphthalene	100 ug/mL
							Phenanthrene	100 ug/mL
							Pyrene	100 ug/mL
					SM8270TCL4_00004	2 mL	1,2,3,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Dinitrobenzene	100 ug/mL
							1,3,5-Trichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							3-Chloropropionitrile	100 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							Benzaldehyde	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Malononitrile	100 ug/mL
							Nitrobenzene	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SM8270TCL1_00003	05/31/16		RESTEK, Lot A081795		(Purchased Reagent)		1,4-Dichlorobenzene	400 ug/mL
							1,4-Dioxane	400 ug/mL
							2,3,5,6-Tetrachlorophenol	400 ug/mL
							2,4,5-Trichlorophenol	400 ug/mL
							2,4,6-Tribromophenol (Surr)	400 ug/mL
							2,4,6-Trichlorophenol	400 ug/mL
							2,4-Dichlorophenol	400 ug/mL
							2,4-Dimethylphenol	400 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2-Chlorophenol	400 ug/mL
							2-Fluorophenol (Surr)	400 ug/mL
							2-Methylphenol	400 ug/mL
							2-Nitrophenol	400 ug/mL
							3 & 4 Methylphenol	400 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Chloro-3-methylphenol	400 ug/mL
							4-Nitrophenol	400 ug/mL
							Benzoic acid	400 ug/mL
							Benzyl alcohol	400 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenol	400 ug/mL
							Phenol-d5 (Surr)	400 ug/mL
..SM8270TCL2_00003	04/30/13		RESTEK, Lot A081245		(Purchased Reagent)		2,4-Toluene diamine	400 ug/mL
							2-Nitroaniline	400 ug/mL
							3,3'-Dichlorobenzidine	400 ug/mL
							3,3'-Dimethoxybenzidine	400 ug/mL
							3-Nitroaniline	400 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	400 ug/mL
							4-Chloroaniline	400 ug/mL
							4-Nitroaniline	400 ug/mL
							Aniline	400 ug/mL
							Atrazine	400 ug/mL
							Benzidine	400 ug/mL
							N-Nitrosodi-n-propylamine	400 ug/mL
							N-Nitrosodimethylamine	400 ug/mL
							N-Nitrosodiphenylamine	400 ug/mL
							Pyridine	400 ug/mL
..SM8270TCL3DPH_00002	12/31/14		Restek, Lot A083779		(Purchased Reagent)		1,1'-Biphenyl	400 ug/mL
							1,2-Diphenylhydrazine	400 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1-Methylnaphthalene	400 ug/mL
							2-Methylnaphthalene	400 ug/mL
							Acenaphthene	400 ug/mL
							Acenaphthylene	400 ug/mL
							Acetophenone	400 ug/mL
							Anthracene	400 ug/mL
							Azobenzene	400 ug/mL
							Benzo[a]anthracene	400 ug/mL
							Benzo[a]pyrene	400 ug/mL
							Benzo[b]fluoranthene	400 ug/mL
							Benzo[g,h,i]perylene	400 ug/mL
							Benzo[k]fluoranthene	400 ug/mL
							Bis(2-ethylhexyl) phthalate	400 ug/mL
							Butyl benzyl phthalate	400 ug/mL
							Caprolactam	400 ug/mL
							Carbazole	400 ug/mL
							Chrysene	400 ug/mL
							Di-n-butyl phthalate	400 ug/mL
							Di-n-octyl phthalate	400 ug/mL
							Dibenz(a,h)anthracene	400 ug/mL
							Dibenzofuran	400 ug/mL
							Diethyl phthalate	400 ug/mL
							Dimethyl phthalate	400 ug/mL
							Ethyl methacrylate	400 ug/mL
							Fluoranthene	400 ug/mL
							Fluorene	400 ug/mL
							Indeno[1,2,3-cd]pyrene	400 ug/mL
							Isophorone	400 ug/mL
							Naphthalene	400 ug/mL
							Phenanthrene	400 ug/mL
							Pyrene	400 ug/mL
..SM8270TCL4_00004	05/31/14		Restek, Lot A081933		(Purchased Reagent)		1,2,3,5-Tetrachlorobenzene	400 ug/mL
							1,2,4-Trichlorobenzene	400 ug/mL
							1,2-Dichlorobenzene	400 ug/mL
							1,2-Dinitrobenzene	400 ug/mL
							1,3,5-Trichlorobenzene	400 ug/mL
							1,3-Dichlorobenzene	400 ug/mL
							2,4-Dinitrotoluene	400 ug/mL
							2,6-Dinitrotoluene	400 ug/mL
							2-Chloronaphthalene	400 ug/mL
							2-Fluorobiphenyl (Surr)	400 ug/mL
							3-Chloropropionitrile	400 ug/mL
							4-Bromophenyl phenyl ether	400 ug/mL
							4-Chlorophenyl phenyl ether	400 ug/mL
							Benzaldehyde	400 ug/mL
							bis (2-chloroisopropyl) ether	400 ug/mL
							Bis(2-chloroethoxy)methane	400 ug/mL
							Bis(2-chloroethyl)ether	400 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobenzene	400 ug/mL
							Hexachlorobutadiene	400 ug/mL
							Hexachlorocyclopentadiene	400 ug/mL
							Hexachloroethane	400 ug/mL
							Malononitrile	400 ug/mL
							Nitrobenzene	400 ug/mL
							Nitrobenzene-d5 (Surr)	400 ug/mL
							Terphenyl-d14 (Surr)	400 ug/mL
SMTCL L6 W_00007	04/30/13	09/10/12	MECL2, Lot 0000001289	2 mL	SMIS80PPMW_00006	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMSUP ST_00003	200 uL	2,4-Dinitrophenol	20 ug/mL
							Benzoic acid	20 ug/mL
							Pentachlorophenol	20 ug/mL
					SMTCL DPH ST_00003	200 uL	1,4-Dichlorobenzene	10 ug/mL
							1,4-Dioxane	10 ug/mL
							2,3,5,6-Tetrachlorophenol	10 ug/mL
							2,4,5-Trichlorophenol	10 ug/mL
							2,4,6-Tribromophenol (Surr)	10 ug/mL
							2,4,6-Trichlorophenol	10 ug/mL
							2,4-Dichlorophenol	10 ug/mL
							2,4-Dimethylphenol	10 ug/mL
							2,4-Dinitrophenol	20 ug/mL
							2-Chlorophenol	10 ug/mL
							2-Fluorophenol (Surr)	10 ug/mL
							2-Methylphenol	10 ug/mL
							2-Nitrophenol	10 ug/mL
							3 & 4 Methylphenol	10 ug/mL
							4,6-Dinitro-2-methylphenol	10 ug/mL
							4-Chloro-3-methylphenol	10 ug/mL
							4-Nitrophenol	10 ug/mL
							Benzoic acid	20 ug/mL
							Benzyl alcohol	10 ug/mL
							Pentachlorophenol	20 ug/mL
							Phenol	10 ug/mL
							Phenol-d5 (Surr)	10 ug/mL
							2,4-Toluene diamine	10 ug/mL
							2-Nitroaniline	10 ug/mL
							3,3'-Dichlorobenzidine	10 ug/mL
							3,3'-Dimethoxybenzidine	10 ug/mL
							3-Nitroaniline	10 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	10 ug/mL
							4-Chloroaniline	10 ug/mL
							4-Nitroaniline	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Aniline	10 ug/mL
							Atrazine	10 ug/mL
							Benzidine	10 ug/mL
							N-Nitrosodi-n-propylamine	10 ug/mL
							N-Nitrosodimethylamine	10 ug/mL
							N-Nitrosodiphenylamine	10 ug/mL
							Pyridine	10 ug/mL
							1,1'-Biphenyl	10 ug/mL
							1,2-Diphenylhydrazine	10 ug/mL
							1-Methylnaphthalene	10 ug/mL
							2-Methylnaphthalene	10 ug/mL
							Acenaphthene	10 ug/mL
							Acenaphthylene	10 ug/mL
							Acetophenone	10 ug/mL
							Anthracene	10 ug/mL
							Azobenzene	10 ug/mL
							Benzo[a]anthracene	10 ug/mL
							Benzo[a]pyrene	10 ug/mL
							Benzo[b]fluoranthene	10 ug/mL
							Benzo[g,h,i]perylene	10 ug/mL
							Benzo[k]fluoranthene	10 ug/mL
							Bis(2-ethylhexyl) phthalate	10 ug/mL
							Butyl benzyl phthalate	10 ug/mL
							Caprolactam	10 ug/mL
							Carbazole	10 ug/mL
							Chrysene	10 ug/mL
							Di-n-butyl phthalate	10 ug/mL
							Di-n-octyl phthalate	10 ug/mL
							Dibenz(a,h)anthracene	10 ug/mL
							Dibenzofuran	10 ug/mL
							Diethyl phthalate	10 ug/mL
							Dimethyl phthalate	10 ug/mL
							Ethyl methacrylate	10 ug/mL
							Fluoranthene	10 ug/mL
							Fluorene	10 ug/mL
							Indeno[1,2,3-cd]pyrene	10 ug/mL
							Isophorone	10 ug/mL
							Naphthalene	10 ug/mL
							Phenanthrene	10 ug/mL
							Pyrene	10 ug/mL
							1,2,3,5-Tetrachlorobenzene	10 ug/mL
							1,2,4-Trichlorobenzene	10 ug/mL
							1,2-Dichlorobenzene	10 ug/mL
							1,2-Dinitrobenzene	10 ug/mL
							1,3,5-Trichlorobenzene	10 ug/mL
							1,3-Dichlorobenzene	10 ug/mL
							2,4-Dinitrotoluene	10 ug/mL
							2,6-Dinitrotoluene	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chloronaphthalene	10 ug/mL
							2-Fluorobiphenyl (Surr)	10 ug/mL
							3-Chloropropionitrile	10 ug/mL
							4-Bromophenyl phenyl ether	10 ug/mL
							4-Chlorophenyl phenyl ether	10 ug/mL
							Benzaldehyde	10 ug/mL
							bis (2-chloroisopropyl) ether	10 ug/mL
							Bis(2-chloroethoxy)methane	10 ug/mL
							Bis(2-chloroethyl)ether	10 ug/mL
							Hexachlorobenzene	10 ug/mL
							Hexachlorobutadiene	10 ug/mL
							Hexachlorocyclopentadiene	10 ug/mL
							Hexachloroethane	10 ug/mL
							Malononitrile	10 ug/mL
							Nitrobenzene	10 ug/mL
							Nitrobenzene-d5 (Surr)	10 ug/mL
							Terphenyl-d14 (Surr)	10 ug/mL
.SMIS80PPMW_00006	09/11/13	09/10/12	MECL2, Lot 0000001289	50 mL	SMIS_00004	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS_00004	06/30/14	UltraScientific, Lot CH-1761			(Purchased Reagent)		1,4-Dichlorobenzene-d4	4000 ug/mL
							Acenaphthene-d10	4000 ug/mL
							Chrysene-d12	4000 ug/mL
							Naphthalene-d8	4000 ug/mL
							Perylene-d12	4000 ug/mL
							Phenanthrene-d10	4000 ug/mL
.SMSUP ST_00003	09/10/13	09/10/12	MECL2, Lot 0000001289	10 mL	SMACIDSUP1_00003	200 uL	2,4-Dinitrophenol	100 ug/mL
					SMACIDSUP2_00003	500 uL	Benzoic acid	100 ug/mL
					SMACIDSUP3_00003	500 uL	Pentachlorophenol	100 ug/mL
..SMACIDSUP1_00003	04/10/17	Absolute Standard, Lot B7040078			(Purchased Reagent)		2,4-Dinitrophenol	5000 ug/mL
..SMACIDSUP2_00003	06/07/21	Absolute Standards, Lot 211061093			(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SMACIDSUP3_00003	04/01/21	Absolute Standards, Lot 211041014			(Purchased Reagent)		Pentachlorophenol	2000 ug/mL
.SMTCL DPH ST_00003	04/30/13	09/10/12	MECL2, Lot 0000001289	8 mL	SM8270TCL1_00003	2 mL	1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							2,3,5,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitrophenol	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3 & 4 Methylphenol	100 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Nitrophenol	100 ug/mL
							Benzoic acid	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Pentachlorophenol	100 ug/mL
							Phenol	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
					SM8270TCL2_00003	2 mL	2,4-Toluene diamine	100 ug/mL
							2-Nitroaniline	100 ug/mL
							3,3'-Dichlorobenzidine	100 ug/mL
							3,3'-Dimethoxybenzidine	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Nitroaniline	100 ug/mL
							Aniline	100 ug/mL
							Atrazine	100 ug/mL
							Benzidine	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							Pyridine	100 ug/mL
					SM8270TCL3DPH_00002	2 mL	1,1'-Biphenyl	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Caprolactam	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Ethyl methacrylate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							Naphthalene	100 ug/mL
							Phenanthrene	100 ug/mL
							Pyrene	100 ug/mL
					SM8270TCL4_00004	2 mL	1,2,3,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Dinitrobenzene	100 ug/mL
							1,3,5-Trichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							3-Chloropropionitrile	100 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							Benzaldehyde	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Malononitrile	100 ug/mL
							Nitrobenzene	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SM8270TCL1_00003	05/31/16		RESTEK, Lot A081795		(Purchased Reagent)		1,4-Dichlorobenzene	400 ug/mL
							1,4-Dioxane	400 ug/mL
							2,3,5,6-Tetrachlorophenol	400 ug/mL
							2,4,5-Trichlorophenol	400 ug/mL
							2,4,6-Tribromophenol (Surr)	400 ug/mL
							2,4,6-Trichlorophenol	400 ug/mL
							2,4-Dichlorophenol	400 ug/mL
							2,4-Dimethylphenol	400 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2-Chlorophenol	400 ug/mL
							2-Fluorophenol (Surr)	400 ug/mL
							2-Methylphenol	400 ug/mL
							2-Nitrophenol	400 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3 & 4 Methylphenol	400 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Chloro-3-methylphenol	400 ug/mL
							4-Nitrophenol	400 ug/mL
							Benzoic acid	400 ug/mL
							Benzyl alcohol	400 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenol	400 ug/mL
							Phenol-d5 (Surr)	400 ug/mL
..SM8270TCL2_00003	04/30/13		RESTEK, Lot A081245		(Purchased Reagent)		2,4-Toluene diamine	400 ug/mL
							2-Nitroaniline	400 ug/mL
							3,3'-Dichlorobenzidine	400 ug/mL
							3,3'-Dimethoxybenzidine	400 ug/mL
							3-Nitroaniline	400 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	400 ug/mL
							4-Chloroaniline	400 ug/mL
							4-Nitroaniline	400 ug/mL
							Aniline	400 ug/mL
							Atrazine	400 ug/mL
							Benzidine	400 ug/mL
							N-Nitrosodi-n-propylamine	400 ug/mL
							N-Nitrosodimethylamine	400 ug/mL
							N-Nitrosodiphenylamine	400 ug/mL
							Pyridine	400 ug/mL
..SM8270TCL3DPH_00002	12/31/14		Restek, Lot A083779		(Purchased Reagent)		1,1'-Biphenyl	400 ug/mL
							1,2-Diphenylhydrazine	400 ug/mL
							1-Methylnaphthalene	400 ug/mL
							2-Methylnaphthalene	400 ug/mL
							Acenaphthene	400 ug/mL
							Acenaphthylene	400 ug/mL
							Acetophenone	400 ug/mL
							Anthracene	400 ug/mL
							Azobenzene	400 ug/mL
							Benzo[a]anthracene	400 ug/mL
							Benzo[a]pyrene	400 ug/mL
							Benzo[b]fluoranthene	400 ug/mL
							Benzo[g,h,i]perylene	400 ug/mL
							Benzo[k]fluoranthene	400 ug/mL
							Bis(2-ethylhexyl) phthalate	400 ug/mL
							Butyl benzyl phthalate	400 ug/mL
							Caprolactam	400 ug/mL
							Carbazole	400 ug/mL
							Chrysene	400 ug/mL
							Di-n-butyl phthalate	400 ug/mL
							Di-n-octyl phthalate	400 ug/mL
							Dibenz(a,h)anthracene	400 ug/mL
							Dibenzofuran	400 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Diethyl phthalate	400 ug/mL
							Dimethyl phthalate	400 ug/mL
							Ethyl methacrylate	400 ug/mL
							Fluoranthene	400 ug/mL
							Fluorene	400 ug/mL
							Indeno[1,2,3-cd]pyrene	400 ug/mL
							Isophorone	400 ug/mL
							Naphthalene	400 ug/mL
							Phenanthrene	400 ug/mL
							Pyrene	400 ug/mL
..SM8270TCL4_00004	05/31/14		Restek, Lot A081933		(Purchased Reagent)		1,2,3,5-Tetrachlorobenzene	400 ug/mL
							1,2,4-Trichlorobenzene	400 ug/mL
							1,2-Dichlorobenzene	400 ug/mL
							1,2-Dinitrobenzene	400 ug/mL
							1,3,5-Trichlorobenzene	400 ug/mL
							1,3-Dichlorobenzene	400 ug/mL
							2,4-Dinitrotoluene	400 ug/mL
							2,6-Dinitrotoluene	400 ug/mL
							2-Chloronaphthalene	400 ug/mL
							2-Fluorobiphenyl (Surr)	400 ug/mL
							3-Chloropropionitrile	400 ug/mL
							4-Bromophenyl phenyl ether	400 ug/mL
							4-Chlorophenyl phenyl ether	400 ug/mL
							Benzaldehyde	400 ug/mL
							bis (2-chloroisopropyl) ether	400 ug/mL
							Bis(2-chloroethoxy)methane	400 ug/mL
							Bis(2-chloroethyl)ether	400 ug/mL
							Hexachlorobenzene	400 ug/mL
							Hexachlorobutadiene	400 ug/mL
							Hexachlorocyclopentadiene	400 ug/mL
							Hexachloroethane	400 ug/mL
							Malononitrile	400 ug/mL
							Nitrobenzene	400 ug/mL
							Nitrobenzene-d5 (Surr)	400 ug/mL
							Terphenyl-d14 (Surr)	400 ug/mL
SMTCL L7 W_00007	04/30/13	09/10/12	MECL2, Lot 0000001289	2 mL	SMIS80PPMW_00006	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMSUP ST_00003	300 uL	2,4-Dinitrophenol	30 ug/mL
							Benzoic acid	30 ug/mL
							Pentachlorophenol	30 ug/mL
					SMTCL DPH ST_00003	300 uL	1,4-Dichlorobenzene	15 ug/mL
							1,4-Dioxane	15 ug/mL
							2,3,5,6-Tetrachlorophenol	15 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,5-Trichlorophenol	15 ug/mL
							2,4,6-Tribromophenol (Surr)	15 ug/mL
							2,4,6-Trichlorophenol	15 ug/mL
							2,4-Dichlorophenol	15 ug/mL
							2,4-Dimethylphenol	15 ug/mL
							2,4-Dinitrophenol	30 ug/mL
							2-Chlorophenol	15 ug/mL
							2-Fluorophenol (Surr)	15 ug/mL
							2-Methylphenol	15 ug/mL
							2-Nitrophenol	15 ug/mL
							3 & 4 Methylphenol	15 ug/mL
							4,6-Dinitro-2-methylphenol	15 ug/mL
							4-Chloro-3-methylphenol	15 ug/mL
							4-Nitrophenol	15 ug/mL
							Benzoic acid	30 ug/mL
							Benzyl alcohol	15 ug/mL
							Pentachlorophenol	30 ug/mL
							Phenol	15 ug/mL
							Phenol-d5 (Surr)	15 ug/mL
							2,4-Toluene diamine	15 ug/mL
							2-Nitroaniline	15 ug/mL
							3,3'-Dichlorobenzidine	15 ug/mL
							3,3'-Dimethoxybenzidine	15 ug/mL
							3-Nitroaniline	15 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	15 ug/mL
							4-Chloroaniline	15 ug/mL
							4-Nitroaniline	15 ug/mL
							Aniline	15 ug/mL
							Atrazine	15 ug/mL
							Benzidine	15 ug/mL
							N-Nitrosodi-n-propylamine	15 ug/mL
							N-Nitrosodimethylamine	15 ug/mL
							N-Nitrosodiphenylamine	15 ug/mL
							Pyridine	15 ug/mL
							1,1'-Biphenyl	15 ug/mL
							1,2-Diphenylhydrazine	15 ug/mL
							1-Methylnaphthalene	15 ug/mL
							2-Methylnaphthalene	15 ug/mL
							Acenaphthene	15 ug/mL
							Acenaphthylene	15 ug/mL
							Acetophenone	15 ug/mL
							Anthracene	15 ug/mL
							Azobenzene	15 ug/mL
							Benzo[a]anthracene	15 ug/mL
							Benzo[a]pyrene	15 ug/mL
							Benzo[b]fluoranthene	15 ug/mL
							Benzo[g,h,i]perylene	15 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[k]fluoranthene	15 ug/mL
							Bis(2-ethylhexyl) phthalate	15 ug/mL
							Butyl benzyl phthalate	15 ug/mL
							Caprolactam	15 ug/mL
							Carbazole	15 ug/mL
							Chrysene	15 ug/mL
							Di-n-butyl phthalate	15 ug/mL
							Di-n-octyl phthalate	15 ug/mL
							Dibenz(a,h)anthracene	15 ug/mL
							Dibenzofuran	15 ug/mL
							Diethyl phthalate	15 ug/mL
							Dimethyl phthalate	15 ug/mL
							Ethyl methacrylate	15 ug/mL
							Fluoranthene	15 ug/mL
							Fluorene	15 ug/mL
							Indeno[1,2,3-cd]pyrene	15 ug/mL
							Isophorone	15 ug/mL
							Naphthalene	15 ug/mL
							Phenanthrene	15 ug/mL
							Pyrene	15 ug/mL
							1,2,3,5-Tetrachlorobenzene	15 ug/mL
							1,2,4-Trichlorobenzene	15 ug/mL
							1,2-Dichlorobenzene	15 ug/mL
							1,2-Dinitrobenzene	15 ug/mL
							1,3,5-Trichlorobenzene	15 ug/mL
							1,3-Dichlorobenzene	15 ug/mL
							2,4-Dinitrotoluene	15 ug/mL
							2,6-Dinitrotoluene	15 ug/mL
							2-Chloronaphthalene	15 ug/mL
							2-Fluorobiphenyl (Surr)	15 ug/mL
							3-Chloropropionitrile	15 ug/mL
							4-Bromophenyl phenyl ether	15 ug/mL
							4-Chlorophenyl phenyl ether	15 ug/mL
							Benzaldehyde	15 ug/mL
							bis (2-chloroisopropyl) ether	15 ug/mL
							Bis(2-chloroethoxy)methane	15 ug/mL
							Bis(2-chloroethyl)ether	15 ug/mL
							Hexachlorobenzene	15 ug/mL
							Hexachlorobutadiene	15 ug/mL
							Hexachlorocyclopentadiene	15 ug/mL
							Hexachloroethane	15 ug/mL
							Malononitrile	15 ug/mL
							Nitrobenzene	15 ug/mL
							Nitrobenzene-d5 (Surr)	15 ug/mL
							Terphenyl-d14 (Surr)	15 ug/mL
.SMIS80PPMW_00006	09/11/13	09/10/12	MECL2, Lot 0000001289	50 mL	SMIS_00004	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS_00004	06/30/14	UltraScientific, Lot CH-1761			(Purchased Reagent)		1,4-Dichlorobenzene-d4	4000 ug/mL
							Acenaphthene-d10	4000 ug/mL
							Chrysene-d12	4000 ug/mL
							Naphthalene-d8	4000 ug/mL
							Perylene-d12	4000 ug/mL
							Phenanthrene-d10	4000 ug/mL
.SMSUP ST_00003	09/10/13	09/10/12	MECL2, Lot 0000001289	10 mL	SMACIDSUP1_00003	200 uL	2,4-Dinitrophenol	100 ug/mL
					SMACIDSUP2_00003	500 uL	Benzoic acid	100 ug/mL
					SMACIDSUP3_00003	500 uL	Pentachlorophenol	100 ug/mL
..SMACIDSUP1_00003	04/10/17	Absolute Standard, Lot B7040078			(Purchased Reagent)		2,4-Dinitrophenol	5000 ug/mL
..SMACIDSUP2_00003	06/07/21	Absolute Standards, Lot 211061093			(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SMACIDSUP3_00003	04/01/21	Absolute Standards, Lot 211041014			(Purchased Reagent)		Pentachlorophenol	2000 ug/mL
.SMTCL DPH ST_00003	04/30/13	09/10/12	MECL2, Lot 0000001289	8 mL	SM8270TCL1_00003	2 mL	1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							2,3,5,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Nitrophenol	100 ug/mL
							Benzoic acid	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Pentachlorophenol	100 ug/mL
							Phenol	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
					SM8270TCL2_00003	2 mL	2,4-Toluene diamine	100 ug/mL
							2-Nitroaniline	100 ug/mL
							3,3'-Dichlorobenzidine	100 ug/mL
							3,3'-Dimethoxybenzidine	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Nitroaniline	100 ug/mL
							Aniline	100 ug/mL
							Atrazine	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzidine	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							Pyridine	100 ug/mL
					SM8270TCL3DPH_00002	2 mL	1,1'-Biphenyl	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Caprolactam	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Ethyl methacrylate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							Naphthalene	100 ug/mL
							Phenanthrene	100 ug/mL
							Pyrene	100 ug/mL
					SM8270TCL4_00004	2 mL	1,2,3,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Dinitrobenzene	100 ug/mL
							1,3,5-Trichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Chloropropionitrile	100 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							Benzaldehyde	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Malononitrile	100 ug/mL
							Nitrobenzene	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SM8270TCL1_00003	05/31/16		RESTEK, Lot A081795		(Purchased Reagent)		1,4-Dichlorobenzene	400 ug/mL
							1,4-Dioxane	400 ug/mL
							2,3,5,6-Tetrachlorophenol	400 ug/mL
							2,4,5-Trichlorophenol	400 ug/mL
							2,4,6-Tribromophenol (Surr)	400 ug/mL
							2,4,6-Trichlorophenol	400 ug/mL
							2,4-Dichlorophenol	400 ug/mL
							2,4-Dimethylphenol	400 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2-Chlorophenol	400 ug/mL
							2-Fluorophenol (Surr)	400 ug/mL
							2-Methylphenol	400 ug/mL
							2-Nitrophenol	400 ug/mL
							3 & 4 Methylphenol	400 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Chloro-3-methylphenol	400 ug/mL
							4-Nitrophenol	400 ug/mL
							Benzoic acid	400 ug/mL
							Benzyl alcohol	400 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenol	400 ug/mL
							Phenol-d5 (Surr)	400 ug/mL
..SM8270TCL2_00003	04/30/13		RESTEK, Lot A081245		(Purchased Reagent)		2,4-Toluene diamine	400 ug/mL
							2-Nitroaniline	400 ug/mL
							3,3'-Dichlorobenzidine	400 ug/mL
							3,3'-Dimethoxybenzidine	400 ug/mL
							3-Nitroaniline	400 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	400 ug/mL
							4-Chloroaniline	400 ug/mL
							4-Nitroaniline	400 ug/mL
							Aniline	400 ug/mL
							Atrazine	400 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzidine	400 ug/mL
							N-Nitrosodi-n-propylamine	400 ug/mL
							N-Nitrosodimethylamine	400 ug/mL
							N-Nitrosodiphenylamine	400 ug/mL
							Pyridine	400 ug/mL
..SM8270TCL3DPH_00002	12/31/14		Restek, Lot A083779		(Purchased Reagent)		1,1'-Biphenyl	400 ug/mL
							1,2-Diphenylhydrazine	400 ug/mL
							1-Methylnaphthalene	400 ug/mL
							2-Methylnaphthalene	400 ug/mL
							Acenaphthene	400 ug/mL
							Acenaphthylene	400 ug/mL
							Acetophenone	400 ug/mL
							Anthracene	400 ug/mL
							Azobenzene	400 ug/mL
							Benzo[a]anthracene	400 ug/mL
							Benzo[a]pyrene	400 ug/mL
							Benzo[b]fluoranthene	400 ug/mL
							Benzo[g,h,i]perylene	400 ug/mL
							Benzo[k]fluoranthene	400 ug/mL
							Bis(2-ethylhexyl) phthalate	400 ug/mL
							Butyl benzyl phthalate	400 ug/mL
							Caprolactam	400 ug/mL
							Carbazole	400 ug/mL
							Chrysene	400 ug/mL
							Di-n-butyl phthalate	400 ug/mL
							Di-n-octyl phthalate	400 ug/mL
							Dibenz(a,h)anthracene	400 ug/mL
							Dibenzofuran	400 ug/mL
							Diethyl phthalate	400 ug/mL
							Dimethyl phthalate	400 ug/mL
							Ethyl methacrylate	400 ug/mL
							Fluoranthene	400 ug/mL
							Fluorene	400 ug/mL
							Indeno[1,2,3-cd]pyrene	400 ug/mL
							Isophorone	400 ug/mL
							Naphthalene	400 ug/mL
							Phenanthrene	400 ug/mL
							Pyrene	400 ug/mL
..SM8270TCL4_00004	05/31/14		Restek, Lot A081933		(Purchased Reagent)		1,2,3,5-Tetrachlorobenzene	400 ug/mL
							1,2,4-Trichlorobenzene	400 ug/mL
							1,2-Dichlorobenzene	400 ug/mL
							1,2-Dinitrobenzene	400 ug/mL
							1,3,5-Trichlorobenzene	400 ug/mL
							1,3-Dichlorobenzene	400 ug/mL
							2,4-Dinitrotoluene	400 ug/mL
							2,6-Dinitrotoluene	400 ug/mL
							2-Chloronaphthalene	400 ug/mL
							2-Fluorobiphenyl (Surr)	400 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Chloropropionitrile	400 ug/mL
							4-Bromophenyl phenyl ether	400 ug/mL
							4-Chlorophenyl phenyl ether	400 ug/mL
							Benzaldehyde	400 ug/mL
							bis (2-chloroisopropyl) ether	400 ug/mL
							Bis(2-chloroethoxy)methane	400 ug/mL
							Bis(2-chloroethyl)ether	400 ug/mL
							Hexachlorobenzene	400 ug/mL
							Hexachlorobutadiene	400 ug/mL
							Hexachlorocyclopentadiene	400 ug/mL
							Hexachloroethane	400 ug/mL
							Malononitrile	400 ug/mL
							Nitrobenzene	400 ug/mL
							Nitrobenzene-d5 (Surr)	400 ug/mL
							Terphenyl-d14 (Surr)	400 ug/mL
SMTCL L8 W_00007	04/30/13	09/10/12	MECL2, Lot 0000001289	2 mL	SMIS80PPMW_00006	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMSUP ST_00003	400 uL	2,4-Dinitrophenol	40 ug/mL
							Benzoic acid	40 ug/mL
							Pentachlorophenol	40 ug/mL
					SMTCL DPH ST_00003	400 uL	1,4-Dichlorobenzene	20 ug/mL
							1,4-Dioxane	20 ug/mL
							2,3,5,6-Tetrachlorophenol	20 ug/mL
							2,4,5-Trichlorophenol	20 ug/mL
							2,4,6-Tribromophenol (Surr)	20 ug/mL
							2,4,6-Trichlorophenol	20 ug/mL
							2,4-Dichlorophenol	20 ug/mL
							2,4-Dimethylphenol	20 ug/mL
							2,4-Dinitrophenol	40 ug/mL
							2-Chlorophenol	20 ug/mL
							2-Fluorophenol (Surr)	20 ug/mL
							2-Methylphenol	20 ug/mL
							2-Nitrophenol	20 ug/mL
							3 & 4 Methylphenol	20 ug/mL
							4,6-Dinitro-2-methylphenol	20 ug/mL
							4-Chloro-3-methylphenol	20 ug/mL
							4-Nitrophenol	20 ug/mL
							Benzoic acid	40 ug/mL
							Benzyl alcohol	20 ug/mL
							Pentachlorophenol	40 ug/mL
							Phenol	20 ug/mL
							Phenol-d5 (Surr)	20 ug/mL
							2,4-Toluene diamine	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Nitroaniline	20 ug/mL
							3,3'-Dichlorobenzidine	20 ug/mL
							3,3'-Dimethoxybenzidine	20 ug/mL
							3-Nitroaniline	20 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	20 ug/mL
							4-Chloroaniline	20 ug/mL
							4-Nitroaniline	20 ug/mL
							Aniline	20 ug/mL
							Atrazine	20 ug/mL
							Benzidine	20 ug/mL
							N-Nitrosodi-n-propylamine	20 ug/mL
							N-Nitrosodimethylamine	20 ug/mL
							N-Nitrosodiphenylamine	20 ug/mL
							Pyridine	20 ug/mL
							1,1'-Biphenyl	20 ug/mL
							1,2-Diphenylhydrazine	20 ug/mL
							1-Methylnaphthalene	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Acetophenone	20 ug/mL
							Anthracene	20 ug/mL
							Azobenzene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Bis(2-ethylhexyl) phthalate	20 ug/mL
							Butyl benzyl phthalate	20 ug/mL
							Caprolactam	20 ug/mL
							Carbazole	20 ug/mL
							Chrysene	20 ug/mL
							Di-n-butyl phthalate	20 ug/mL
							Di-n-octyl phthalate	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Dibenzofuran	20 ug/mL
							Diethyl phthalate	20 ug/mL
							Dimethyl phthalate	20 ug/mL
							Ethyl methacrylate	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Isophorone	20 ug/mL
							Naphthalene	20 ug/mL
							Phenanthrene	20 ug/mL
							Pyrene	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,3,5-Tetrachlorobenzene	20 ug/mL
							1,2,4-Trichlorobenzene	20 ug/mL
							1,2-Dichlorobenzene	20 ug/mL
							1,2-Dinitrobenzene	20 ug/mL
							1,3,5-Trichlorobenzene	20 ug/mL
							1,3-Dichlorobenzene	20 ug/mL
							2,4-Dinitrotoluene	20 ug/mL
							2,6-Dinitrotoluene	20 ug/mL
							2-Chloronaphthalene	20 ug/mL
							2-Fluorobiphenyl (Surr)	20 ug/mL
							3-Chloropropionitrile	20 ug/mL
							4-Bromophenyl phenyl ether	20 ug/mL
							4-Chlorophenyl phenyl ether	20 ug/mL
							Benzaldehyde	20 ug/mL
							bis (2-chloroisopropyl) ether	20 ug/mL
							Bis(2-chloroethoxy)methane	20 ug/mL
							Bis(2-chloroethyl)ether	20 ug/mL
							Hexachlorobenzene	20 ug/mL
							Hexachlorobutadiene	20 ug/mL
							Hexachlorocyclopentadiene	20 ug/mL
							Hexachloroethane	20 ug/mL
							Malononitrile	20 ug/mL
							Nitrobenzene	20 ug/mL
							Nitrobenzene-d5 (Surr)	20 ug/mL
							Terphenyl-d14 (Surr)	20 ug/mL
.SMIS80PPMW_00006	09/11/13	09/10/12	MECL2, Lot 0000001289	50 mL	SMIS_00004	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS_00004	06/30/14	UltraScientific, Lot CH-1761			(Purchased Reagent)		1,4-Dichlorobenzene-d4	4000 ug/mL
							Acenaphthene-d10	4000 ug/mL
							Chrysene-d12	4000 ug/mL
							Naphthalene-d8	4000 ug/mL
							Perylene-d12	4000 ug/mL
							Phenanthrene-d10	4000 ug/mL
.SMSUP ST_00003	09/10/13	09/10/12	MECL2, Lot 0000001289	10 mL	SMACIDSUP1_00003	200 uL	2,4-Dinitrophenol	100 ug/mL
					SMACIDSUP2_00003	500 uL	Benzoic acid	100 ug/mL
					SMACIDSUP3_00003	500 uL	Pentachlorophenol	100 ug/mL
..SMACIDSUP1_00003	04/10/17	Absolute Standard, Lot B7040078			(Purchased Reagent)		2,4-Dinitrophenol	5000 ug/mL
..SMACIDSUP2_00003	06/07/21	Absolute Standards, Lot 211061093			(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SMACIDSUP3_00003	04/01/21	Absolute Standards, Lot 211041014			(Purchased Reagent)		Pentachlorophenol	2000 ug/mL
.SMTCL DPH ST_00003	04/30/13	09/10/12	MECL2, Lot 0000001289	8 mL	SM8270TCL1_00003	2 mL	1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							2,3,5,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Nitrophenol	100 ug/mL
							Benzoic acid	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Pentachlorophenol	100 ug/mL
							Phenol	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
					SM8270TCL2_00003	2 mL	2,4-Toluene diamine	100 ug/mL
							2-Nitroaniline	100 ug/mL
							3,3'-Dichlorobenzidine	100 ug/mL
							3,3'-Dimethoxybenzidine	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Nitroaniline	100 ug/mL
							Aniline	100 ug/mL
							Atrazine	100 ug/mL
							Benzidine	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							Pyridine	100 ug/mL
					SM8270TCL3DPH_00002	2 mL	1,1'-Biphenyl	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Butyl benzyl phthalate	100 ug/mL
							Caprolactam	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Ethyl methacrylate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							Naphthalene	100 ug/mL
							Phenanthrene	100 ug/mL
							Pyrene	100 ug/mL
					SM8270TCL4_00004	2 mL	1,2,3,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Dinitrobenzene	100 ug/mL
							1,3,5-Trichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							3-Chloropropionitrile	100 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							Benzaldehyde	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Malononitrile	100 ug/mL
							Nitrobenzene	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SM8270TCL1_00003	05/31/16		RESTEK, Lot A081795		(Purchased Reagent)		1,4-Dichlorobenzene	400 ug/mL
							1,4-Dioxane	400 ug/mL
							2,3,5,6-Tetrachlorophenol	400 ug/mL
							2,4,5-Trichlorophenol	400 ug/mL
							2,4,6-Tribromophenol (Surr)	400 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,6-Trichlorophenol	400 ug/mL
							2,4-Dichlorophenol	400 ug/mL
							2,4-Dimethylphenol	400 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2-Chlorophenol	400 ug/mL
							2-Fluorophenol (Surr)	400 ug/mL
							2-Methylphenol	400 ug/mL
							2-Nitrophenol	400 ug/mL
							3 & 4 Methylphenol	400 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Chloro-3-methylphenol	400 ug/mL
							4-Nitrophenol	400 ug/mL
							Benzoic acid	400 ug/mL
							Benzyl alcohol	400 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenol	400 ug/mL
							Phenol-d5 (Surr)	400 ug/mL
..SM8270TCL2_00003	04/30/13		RESTEK, Lot A081245		(Purchased Reagent)		2,4-Toluene diamine	400 ug/mL
							2-Nitroaniline	400 ug/mL
							3,3'-Dichlorobenzidine	400 ug/mL
							3,3'-Dimethoxybenzidine	400 ug/mL
							3-Nitroaniline	400 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	400 ug/mL
							4-Chloroaniline	400 ug/mL
							4-Nitroaniline	400 ug/mL
							Aniline	400 ug/mL
							Atrazine	400 ug/mL
							Benzidine	400 ug/mL
							N-Nitrosodi-n-propylamine	400 ug/mL
							N-Nitrosodimethylamine	400 ug/mL
							N-Nitrosodiphenylamine	400 ug/mL
							Pyridine	400 ug/mL
..SM8270TCL3DPH_00002	12/31/14		Restek, Lot A083779		(Purchased Reagent)		1,1'-Biphenyl	400 ug/mL
							1,2-Diphenylhydrazine	400 ug/mL
							1-Methylnaphthalene	400 ug/mL
							2-Methylnaphthalene	400 ug/mL
							Acenaphthene	400 ug/mL
							Acenaphthylene	400 ug/mL
							Acetophenone	400 ug/mL
							Anthracene	400 ug/mL
							Azobenzene	400 ug/mL
							Benzo[a]anthracene	400 ug/mL
							Benzo[a]pyrene	400 ug/mL
							Benzo[b]fluoranthene	400 ug/mL
							Benzo[g,h,i]perylene	400 ug/mL
							Benzo[k]fluoranthene	400 ug/mL
							Bis(2-ethylhexyl) phthalate	400 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Butyl benzyl phthalate	400 ug/mL
							Caprolactam	400 ug/mL
							Carbazole	400 ug/mL
							Chrysene	400 ug/mL
							Di-n-butyl phthalate	400 ug/mL
							Di-n-octyl phthalate	400 ug/mL
							Dibenz(a,h)anthracene	400 ug/mL
							Dibenzofuran	400 ug/mL
							Diethyl phthalate	400 ug/mL
							Dimethyl phthalate	400 ug/mL
							Ethyl methacrylate	400 ug/mL
							Fluoranthene	400 ug/mL
							Fluorene	400 ug/mL
							Indeno[1,2,3-cd]pyrene	400 ug/mL
							Isophorone	400 ug/mL
							Naphthalene	400 ug/mL
							Phenanthrene	400 ug/mL
							Pyrene	400 ug/mL
..SM8270TCL4_00004	05/31/14		Restek, Lot A081933		(Purchased Reagent)		1,2,3,5-Tetrachlorobenzene	400 ug/mL
							1,2,4-Trichlorobenzene	400 ug/mL
							1,2-Dichlorobenzene	400 ug/mL
							1,2-Dinitrobenzene	400 ug/mL
							1,3,5-Trichlorobenzene	400 ug/mL
							1,3-Dichlorobenzene	400 ug/mL
							2,4-Dinitrotoluene	400 ug/mL
							2,6-Dinitrotoluene	400 ug/mL
							2-Chloronaphthalene	400 ug/mL
							2-Fluorobiphenyl (Surr)	400 ug/mL
							3-Chloropropionitrile	400 ug/mL
							4-Bromophenyl phenyl ether	400 ug/mL
							4-Chlorophenyl phenyl ether	400 ug/mL
							Benzaldehyde	400 ug/mL
							bis (2-chloroisopropyl) ether	400 ug/mL
							Bis(2-chloroethoxy)methane	400 ug/mL
							Bis(2-chloroethyl)ether	400 ug/mL
							Hexachlorobenzene	400 ug/mL
							Hexachlorobutadiene	400 ug/mL
							Hexachlorocyclopentadiene	400 ug/mL
							Hexachloroethane	400 ug/mL
							Malononitrile	400 ug/mL
							Nitrobenzene	400 ug/mL
							Nitrobenzene-d5 (Surr)	400 ug/mL
							Terphenyl-d14 (Surr)	400 ug/mL
SMTCL L9 W_00007	04/30/13	09/10/12	MECL2, Lot 0000001289	2 mL	SMIS80PPMW_00006	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMSUP ST_00003	500 uL	2,4-Dinitrophenol	50 ug/mL
							Benzoic acid	50 ug/mL
							Pentachlorophenol	50 ug/mL
					SMTCL DPH ST_00003	500 uL	1,4-Dichlorobenzene	25 ug/mL
							1,4-Dioxane	25 ug/mL
							2,3,5,6-Tetrachlorophenol	25 ug/mL
							2,4,5-Trichlorophenol	25 ug/mL
							2,4,6-Tribromophenol (Surr)	25 ug/mL
							2,4,6-Trichlorophenol	25 ug/mL
							2,4-Dichlorophenol	25 ug/mL
							2,4-Dimethylphenol	25 ug/mL
							2,4-Dinitrophenol	50 ug/mL
							2-Chlorophenol	25 ug/mL
							2-Fluorophenol (Surr)	25 ug/mL
							2-Methylphenol	25 ug/mL
							2-Nitrophenol	25 ug/mL
							3 & 4 Methylphenol	25 ug/mL
							4,6-Dinitro-2-methylphenol	25 ug/mL
							4-Chloro-3-methylphenol	25 ug/mL
							4-Nitrophenol	25 ug/mL
							Benzoic acid	50 ug/mL
							Benzyl alcohol	25 ug/mL
							Pentachlorophenol	50 ug/mL
							Phenol	25 ug/mL
							Phenol-d5 (Surr)	25 ug/mL
							2,4-Toluene diamine	25 ug/mL
							2-Nitroaniline	25 ug/mL
							3,3'-Dichlorobenzidine	25 ug/mL
							3,3'-Dimethoxybenzidine	25 ug/mL
							3-Nitroaniline	25 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	25 ug/mL
							4-Chloroaniline	25 ug/mL
							4-Nitroaniline	25 ug/mL
							Aniline	25 ug/mL
							Atrazine	25 ug/mL
							Benzidine	25 ug/mL
							N-Nitrosodi-n-propylamine	25 ug/mL
							N-Nitrosodimethylamine	25 ug/mL
							N-Nitrosodiphenylamine	25 ug/mL
							Pyridine	25 ug/mL
							1,1'-Biphenyl	25 ug/mL
							1,2-Diphenylhydrazine	25 ug/mL
							1-Methylnaphthalene	25 ug/mL
							2-Methylnaphthalene	25 ug/mL
							Acenaphthene	25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthylene	25 ug/mL
							Acetophenone	25 ug/mL
							Anthracene	25 ug/mL
							Azobenzene	25 ug/mL
							Benzo[a]anthracene	25 ug/mL
							Benzo[a]pyrene	25 ug/mL
							Benzo[b]fluoranthene	25 ug/mL
							Benzo[g,h,i]perylene	25 ug/mL
							Benzo[k]fluoranthene	25 ug/mL
							Bis(2-ethylhexyl) phthalate	25 ug/mL
							Butyl benzyl phthalate	25 ug/mL
							Caprolactam	25 ug/mL
							Carbazole	25 ug/mL
							Chrysene	25 ug/mL
							Di-n-butyl phthalate	25 ug/mL
							Di-n-octyl phthalate	25 ug/mL
							Dibenz(a,h)anthracene	25 ug/mL
							Dibenzofuran	25 ug/mL
							Diethyl phthalate	25 ug/mL
							Dimethyl phthalate	25 ug/mL
							Ethyl methacrylate	25 ug/mL
							Fluoranthene	25 ug/mL
							Fluorene	25 ug/mL
							Indeno[1,2,3-cd]pyrene	25 ug/mL
							Isophorone	25 ug/mL
							Naphthalene	25 ug/mL
							Phenanthrene	25 ug/mL
							Pyrene	25 ug/mL
							1,2,3,5-Tetrachlorobenzene	25 ug/mL
							1,2,4-Trichlorobenzene	25 ug/mL
							1,2-Dichlorobenzene	25 ug/mL
							1,2-Dinitrobenzene	25 ug/mL
							1,3,5-Trichlorobenzene	25 ug/mL
							1,3-Dichlorobenzene	25 ug/mL
							2,4-Dinitrotoluene	25 ug/mL
							2,6-Dinitrotoluene	25 ug/mL
							2-Chloronaphthalene	25 ug/mL
							2-Fluorobiphenyl (Surr)	25 ug/mL
							3-Chloropropionitrile	25 ug/mL
							4-Bromophenyl phenyl ether	25 ug/mL
							4-Chlorophenyl phenyl ether	25 ug/mL
							Benzaldehyde	25 ug/mL
							bis (2-chloroisopropyl) ether	25 ug/mL
							Bis(2-chloroethoxy)methane	25 ug/mL
							Bis(2-chloroethyl)ether	25 ug/mL
							Hexachlorobenzene	25 ug/mL
							Hexachlorobutadiene	25 ug/mL
							Hexachlorocyclopentadiene	25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachloroethane	25 ug/mL
							Malononitrile	25 ug/mL
							Nitrobenzene	25 ug/mL
							Nitrobenzene-d5 (Surr)	25 ug/mL
							Terphenyl-d14 (Surr)	25 ug/mL
.SMIS80PPMW_00006	09/11/13	09/10/12	MECL2, Lot 0000001289	50 mL	SMIS_00004	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS_00004	06/30/14	UltraScientific, Lot CH-1761			(Purchased Reagent)		1,4-Dichlorobenzene-d4	4000 ug/mL
							Acenaphthene-d10	4000 ug/mL
							Chrysene-d12	4000 ug/mL
							Naphthalene-d8	4000 ug/mL
							Perylene-d12	4000 ug/mL
							Phenanthrene-d10	4000 ug/mL
.SMSUP ST_00003	09/10/13	09/10/12	MECL2, Lot 0000001289	10 mL	SMACIDSUP1_00003	200 uL	2,4-Dinitrophenol	100 ug/mL
					SMACIDSUP2_00003	500 uL	Benzoic acid	100 ug/mL
					SMACIDSUP3_00003	500 uL	Pentachlorophenol	100 ug/mL
..SMACIDSUP1_00003	04/10/17	Absolute Standard, Lot B7040078			(Purchased Reagent)		2,4-Dinitrophenol	5000 ug/mL
..SMACIDSUP2_00003	06/07/21	Absolute Standards, Lot 211061093			(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SMACIDSUP3_00003	04/01/21	Absolute Standards, Lot 211041014			(Purchased Reagent)		Pentachlorophenol	2000 ug/mL
.SMTCL DPH ST_00003	04/30/13	09/10/12	MECL2, Lot 0000001289	8 mL	SM8270TCL1_00003	2 mL	1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							2,3,5,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Nitrophenol	100 ug/mL
							Benzoic acid	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Pentachlorophenol	100 ug/mL
							Phenol	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
					SM8270TCL2_00003	2 mL	2,4-Toluene diamine	100 ug/mL
							2-Nitroaniline	100 ug/mL
							3,3'-Dichlorobenzidine	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3,3'-Dimethoxybenzidine	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Nitroaniline	100 ug/mL
							Aniline	100 ug/mL
							Atrazine	100 ug/mL
							Benzidine	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							Pyridine	100 ug/mL
					SM8270TCL3DPH_00002	2 mL	1,1'-Biphenyl	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Caprolactam	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Ethyl methacrylate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							Naphthalene	100 ug/mL
							Phenanthrene	100 ug/mL
							Pyrene	100 ug/mL
					SM8270TCL4_00004	2 mL	1,2,3,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Dinitrobenzene	100 ug/mL
							1,3,5-Trichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							3-Chloropropionitrile	100 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							Benzaldehyde	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Malononitrile	100 ug/mL
							Nitrobenzene	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SM8270TCL1_00003	05/31/16		RESTEK, Lot A081795		(Purchased Reagent)		1,4-Dichlorobenzene	400 ug/mL
							1,4-Dioxane	400 ug/mL
							2,3,5,6-Tetrachlorophenol	400 ug/mL
							2,4,5-Trichlorophenol	400 ug/mL
							2,4,6-Tribromophenol (Surr)	400 ug/mL
							2,4,6-Trichlorophenol	400 ug/mL
							2,4-Dichlorophenol	400 ug/mL
							2,4-Dimethylphenol	400 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2-Chlorophenol	400 ug/mL
							2-Fluorophenol (Surr)	400 ug/mL
							2-Methylphenol	400 ug/mL
							2-Nitrophenol	400 ug/mL
							3 & 4 Methylphenol	400 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Chloro-3-methylphenol	400 ug/mL
							4-Nitrophenol	400 ug/mL
							Benzoic acid	400 ug/mL
							Benzyl alcohol	400 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenol	400 ug/mL
							Phenol-d5 (Surr)	400 ug/mL
..SM8270TCL2_00003	04/30/13		RESTEK, Lot A081245		(Purchased Reagent)		2,4-Toluene diamine	400 ug/mL
							2-Nitroaniline	400 ug/mL
							3,3'-Dichlorobenzidine	400 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3,3'-Dimethoxybenzidine	400 ug/mL
							3-Nitroaniline	400 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	400 ug/mL
							4-Chloroaniline	400 ug/mL
							4-Nitroaniline	400 ug/mL
							Aniline	400 ug/mL
							Atrazine	400 ug/mL
							Benzidine	400 ug/mL
							N-Nitrosodi-n-propylamine	400 ug/mL
							N-Nitrosodimethylamine	400 ug/mL
							N-Nitrosodiphenylamine	400 ug/mL
							Pyridine	400 ug/mL
..SM8270TCL3DPH_00002	12/31/14		Restek, Lot A083779		(Purchased Reagent)		1,1'-Biphenyl	400 ug/mL
							1,2-Diphenylhydrazine	400 ug/mL
							1-Methylnaphthalene	400 ug/mL
							2-Methylnaphthalene	400 ug/mL
							Acenaphthene	400 ug/mL
							Acenaphthylene	400 ug/mL
							Acetophenone	400 ug/mL
							Anthracene	400 ug/mL
							Azobenzene	400 ug/mL
							Benzo[a]anthracene	400 ug/mL
							Benzo[a]pyrene	400 ug/mL
							Benzo[b]fluoranthene	400 ug/mL
							Benzo[g,h,i]perylene	400 ug/mL
							Benzo[k]fluoranthene	400 ug/mL
							Bis(2-ethylhexyl) phthalate	400 ug/mL
							Butyl benzyl phthalate	400 ug/mL
							Caprolactam	400 ug/mL
							Carbazole	400 ug/mL
							Chrysene	400 ug/mL
							Di-n-butyl phthalate	400 ug/mL
							Di-n-octyl phthalate	400 ug/mL
							Dibenz(a,h)anthracene	400 ug/mL
							Dibenzofuran	400 ug/mL
							Diethyl phthalate	400 ug/mL
							Dimethyl phthalate	400 ug/mL
							Ethyl methacrylate	400 ug/mL
							Fluoranthene	400 ug/mL
							Fluorene	400 ug/mL
							Indeno[1,2,3-cd]pyrene	400 ug/mL
							Isophorone	400 ug/mL
							Naphthalene	400 ug/mL
							Phenanthrene	400 ug/mL
							Pyrene	400 ug/mL
..SM8270TCL4_00004	05/31/14		Restek, Lot A081933		(Purchased Reagent)		1,2,3,5-Tetrachlorobenzene	400 ug/mL
							1,2,4-Trichlorobenzene	400 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorobenzene	400 ug/mL
							1,2-Dinitrobenzene	400 ug/mL
							1,3,5-Trichlorobenzene	400 ug/mL
							1,3-Dichlorobenzene	400 ug/mL
							2,4-Dinitrotoluene	400 ug/mL
							2,6-Dinitrotoluene	400 ug/mL
							2-Chloronaphthalene	400 ug/mL
							2-Fluorobiphenyl (Surr)	400 ug/mL
							3-Chloropropionitrile	400 ug/mL
							4-Bromophenyl phenyl ether	400 ug/mL
							4-Chlorophenyl phenyl ether	400 ug/mL
							Benzaldehyde	400 ug/mL
							bis (2-chloroisopropyl) ether	400 ug/mL
							Bis(2-chloroethoxy)methane	400 ug/mL
							Bis(2-chloroethyl)ether	400 ug/mL
							Hexachlorobenzene	400 ug/mL
							Hexachlorobutadiene	400 ug/mL
							Hexachlorocyclopentadiene	400 ug/mL
							Hexachloroethane	400 ug/mL
							Malononitrile	400 ug/mL
							Nitrobenzene	400 ug/mL
							Nitrobenzene-d5 (Surr)	400 ug/mL
							Terphenyl-d14 (Surr)	400 ug/mL
VGGASCAL_00021	11/03/12	08/03/12	MEOH, Lot 117046	50 mL	VGGASDIL_00006	500 uL	C6-C10	100 ug/mL
							C6-C12	100 ug/mL
.VGGASDIL_00006	12/28/12	06/28/12	MEOH, Lot 117046	50 mL	VGGASSTOCK_00013	0.5 g	C6-C10	10000 ug/mL
							C6-C12	10000 ug/mL
..VGGASSTOCK_00013	10/31/13		ULTRA SCIENTIFIC, Lot S-0681W		(Purchased Reagent)		C6-C10	1 g/g
							C6-C12	1 g/g
VGGASCAL_00022	12/28/12	10/31/12	MEOH, Lot 123279	50 mL	VGGASDIL_00006	500 uL	C6-C12	100 ug/mL
.VGGASDIL_00006	12/28/12	06/28/12	MEOH, Lot 117046	50 mL	VGGASSTOCK_00013	0.5 g	C6-C12	10000 ug/mL
..VGGASSTOCK_00013	10/31/13		ULTRA SCIENTIFIC, Lot S-0681W		(Purchased Reagent)		C6-C12	1 g/g
VGGASCHK_00019	10/27/12	07/27/12	MEOH, Lot 115869	50 mL	VGGASCHKSTK_00016	1 mL	C6-C12	100 ug/mL
.VGGASCHKSTK_00016	04/05/15		ACCU STANDARD, Lot B5040009		(Purchased Reagent)		C6-C12	5 mg/mL
VGGASCHK_00025	03/14/13	12/14/12	MEOH, Lot 123279	50 mL	VGGASCHKSTK_00020	1 mL	C6-C12	100 ug/mL
.VGGASCHKSTK_00020	04/05/15		ACCU STANDARD, Lot B5040009		(Purchased Reagent)		C6-C12	5 mg/mL
VGGASURROGATE_00014	12/05/12	06/05/12	MEOH, Lot 51304	50 mL	VGSURRSTKGAS_00012	1.25 mL	Trifluorotoluene (Surr)	50 ug/mL
.VGSURRSTKGAS_00012	07/31/14		ULTRA SCIENTIFIC, Lot CE-1903A		(Purchased Reagent)		Trifluorotoluene (Surr)	2000 ug/mL
VGGASURROGATE_00017	03/12/13	12/12/12	MEOH, Lot 123279	50 mL	VGSURRSTKGAS_00014	1.25 mL	Trifluorotoluene (Surr)	50 ug/mL
.VGSURRSTKGAS_00014	07/31/14		ULTRA SCIENTIFIC, Lot CE-1903A		(Purchased Reagent)		Trifluorotoluene (Surr)	2000 ug/mL
VM50IS_00023	01/22/13	10/22/12	MEOH, Lot 123279	50 mL	VMSTM520_00016	1 mL	1,4-Dichlorobenzene-d4	50 ug/mL
							Chlorobenzene-d5	50 ug/mL
							Fluorobenzene	50 ug/mL
.VMSTM520_00016	12/31/14		Ultra Scientific, Lot CH-3660		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluorobenzene	2500 ug/mL
vm50ss_00089	12/17/12	12/10/12	MEOH, Lot na	2 mL	vm50ss_stk_00044	2 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
.vm50ss_stk_00044	03/04/13	12/04/12	MEOH, Lot 123279	50 mL	VMstm530_00016	1 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
..VMstm530_00016	05/31/15	Ultra Scientific, Lot CJ-1280			(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
vm50ss_stk_00043	02/12/13	11/12/12	MEOH, Lot 123279	50 mL	VMstm530_00016	1 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
.VMstm530_00016	05/31/15	Ultra Scientific, Lot CJ-1280			(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
VMCGAS_00100	12/17/12	12/10/12	MEOH, Lot 123279	10 mL	VMDWM544_00011	0.25 mL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.VMDWM544_00011	04/30/15	ULTRA, Lot CJ-0858			(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
VMCGAS_00101	12/21/12	12/14/12	MEOH, Lot 123279	10 mL	VMDWM544_00011	0.25 mL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.VMDWM544_00011	04/30/15	ULTRA, Lot CJ-0858			(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
VMCGAS_00103	01/05/13	12/29/12	MEOH, Lot 123279	10 mL	VMDWM544_00012	250 uL	Vinyl chloride	50 ug/mL
.VMDWM544_00012	06/30/15	ULTRA, Lot CJ-1658			(Purchased Reagent)		Vinyl chloride	2000 ug/mL
VMFASWS_00121	12/17/12	12/10/12	MEOH, Lot na	3 mL	VMFAS_00033	3 mL	Bromomethane	25 ug/mL
							Chloroethane	25 ug/mL
							Chloromethane	25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Vinyl chloride	25 ug/mL
							1,1,1-Trichloroethane	25 ug/mL
							1,1,2,2-Tetrachloroethane	25 ug/mL
							1,1,2-Trichloroethane	25 ug/mL
							1,1-Dichloroethane	25 ug/mL
							1,1-Dichloroethene	25 ug/mL
							1,2-Dibromoethane	25 ug/mL
							1,2-Dichloroethane	25 ug/mL
							1,2-Dichloroethene, Total	50 ug/mL
							1,2-Dichloropropane	25 ug/mL
							Benzene	25 ug/mL
							Bromodichloromethane	25 ug/mL
							Bromoform	25 ug/mL
							Carbon disulfide	25 ug/mL
							Carbon tetrachloride	25 ug/mL
							Chlorobenzene	25 ug/mL
							Chloroform	25 ug/mL
							cis-1,2-Dichloroethene	25 ug/mL
							cis-1,3-Dichloropropene	25 ug/mL
							Dibromochloromethane	25 ug/mL
							Ethylbenzene	25 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl tert-butyl ether	25 ug/mL
							Methylene Chloride	25 ug/mL
							o-Xylene	25 ug/mL
							Styrene	25 ug/mL
							Tetrachloroethene	25 ug/mL
							Toluene	25 ug/mL
							trans-1,2-Dichloroethene	25 ug/mL
							trans-1,3-Dichloropropene	25 ug/mL
							Trichloroethene	25 ug/mL
							Xylenes, Total	75 ug/mL
							Bromochloromethane	25 ug/mL
							2-Butanone (MEK)	50 ug/mL
							2-Hexanone	50 ug/mL
							4-Methyl-2-pentanone (MIBK)	50 ug/mL
							Acetone	50 ug/mL
.VMFAS_00033	12/20/12	11/20/12	MEOH, Lot 123279	100 mL	VM48799U_00012	1.25 mL	Bromomethane	25 ug/mL
							Chloroethane	25 ug/mL
							Chloromethane	25 ug/mL
							Vinyl chloride	25 ug/mL
					VM556005_00011	1 mL	1,1,1-Trichloroethane	25 ug/mL
							1,1,2,2-Tetrachloroethane	25 ug/mL
							1,1,2-Trichloroethane	25 ug/mL
							1,1-Dichloroethane	25 ug/mL
							1,1-Dichloroethene	25 ug/mL
							1,2-Dibromoethane	25 ug/mL
							1,2-Dichloroethane	25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloroethene, Total	50 ug/mL
							1,2-Dichloropropane	25 ug/mL
							Benzene	25 ug/mL
							Bromodichloromethane	25 ug/mL
							Bromoform	25 ug/mL
							Carbon disulfide	25 ug/mL
							Carbon tetrachloride	25 ug/mL
							Chlorobenzene	25 ug/mL
							Chloroform	25 ug/mL
							cis-1,2-Dichloroethene	25 ug/mL
							cis-1,3-Dichloropropene	25 ug/mL
							Dibromochloromethane	25 ug/mL
							Ethylbenzene	25 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl tert-butyl ether	25 ug/mL
							Methylene Chloride	25 ug/mL
							o-Xylene	25 ug/mL
							Styrene	25 ug/mL
							Tetrachloroethene	25 ug/mL
							Toluene	25 ug/mL
							trans-1,2-Dichloroethene	25 ug/mL
							trans-1,3-Dichloropropene	25 ug/mL
							Trichloroethene	25 ug/mL
							Xylenes, Total	75 ug/mL
					VM563136_00007	1 mL	Bromochloromethane	25 ug/mL
					VM861149_00017	2.5 mL	2-Butanone (MEK)	50 ug/mL
							2-Hexanone	50 ug/mL
							4-Methyl-2-pentanone (MIBK)	50 ug/mL
							Acetone	50 ug/mL
..VM48799U_00012	06/30/13		Supelco, Lot LB91213		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
..VM556005_00011	05/31/13		Restek, Lot A085142		(Purchased Reagent)		1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,2-Dibromoethane	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloroethene, Total	5000 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							Benzene	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added	Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	5000 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							o-Xylene	2500 ug/mL
							Styrene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Toluene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							Trichloroethene	2500 ug/mL
							Xylenes, Total	7500 ug/mL
..VM563136_00007	11/30/16		Restek, Lot A085140		(Purchased Reagent)		Bromochloromethane	2500 ug/mL
..VM861149_00017	11/30/13		Supelco, Lot LB85301		(Purchased Reagent)		2-Butanone (MEK)	2000 ug/mL
							2-Hexanone	2000 ug/mL
							4-Methyl-2-pentanone (MIBK)	2000 ug/mL
							Acetone	2000 ug/mL
VMFASWS_00122	12/20/12	12/14/12	MEOH, Lot na	3 mL	VMFAS_00033	3 mL	Bromomethane	25 ug/mL
							Chloroethane	25 ug/mL
							Chloromethane	25 ug/mL
							Vinyl chloride	25 ug/mL
							1,1,1-Trichloroethane	25 ug/mL
							1,1,2,2-Tetrachloroethane	25 ug/mL
							1,1,2-Trichloroethane	25 ug/mL
							1,1-Dichloroethane	25 ug/mL
							1,1-Dichloroethene	25 ug/mL
							1,2-Dibromoethane	25 ug/mL
							1,2-Dichloroethane	25 ug/mL
							1,2-Dichloroethene, Total	50 ug/mL
							1,2-Dichloropropane	25 ug/mL
							Benzene	25 ug/mL
							Bromodichloromethane	25 ug/mL
							Bromoform	25 ug/mL
							Carbon disulfide	25 ug/mL
							Carbon tetrachloride	25 ug/mL
							Chlorobenzene	25 ug/mL
							Chloroform	25 ug/mL
							cis-1,3-Dichloropropene	25 ug/mL
							Dibromochloromethane	25 ug/mL
							Ethylbenzene	25 ug/mL
							Methyl tert-butyl ether	25 ug/mL
							Methylene Chloride	25 ug/mL
							Styrene	25 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetrachloroethene	25 ug/mL
							Toluene	25 ug/mL
							trans-1,3-Dichloropropene	25 ug/mL
							Trichloroethene	25 ug/mL
							Xylenes, Total	75 ug/mL
							Bromochloromethane	25 ug/mL
							2-Butanone (MEK)	50 ug/mL
							2-Hexanone	50 ug/mL
							4-Methyl-2-pentanone (MIBK)	50 ug/mL
							Acetone	50 ug/mL
.VMFAS_00033	12/20/12	11/20/12	MEOH, Lot 123279	100 mL	VM48799U_00012	1.25 mL	Bromomethane	25 ug/mL
							Chloroethane	25 ug/mL
							Chloromethane	25 ug/mL
							Vinyl chloride	25 ug/mL
					VM556005_00011	1 mL	1,1,1-Trichloroethane	25 ug/mL
							1,1,2,2-Tetrachloroethane	25 ug/mL
							1,1,2-Trichloroethane	25 ug/mL
							1,1-Dichloroethane	25 ug/mL
							1,1-Dichloroethene	25 ug/mL
							1,2-Dibromoethane	25 ug/mL
							1,2-Dichloroethane	25 ug/mL
							1,2-Dichloroethene, Total	50 ug/mL
							1,2-Dichloropropane	25 ug/mL
							Benzene	25 ug/mL
							Bromodichloromethane	25 ug/mL
							Bromoform	25 ug/mL
							Carbon disulfide	25 ug/mL
							Carbon tetrachloride	25 ug/mL
							Chlorobenzene	25 ug/mL
							Chloroform	25 ug/mL
							cis-1,3-Dichloropropene	25 ug/mL
							Dibromochloromethane	25 ug/mL
							Ethylbenzene	25 ug/mL
							Methyl tert-butyl ether	25 ug/mL
							Methylene Chloride	25 ug/mL
							Styrene	25 ug/mL
							Tetrachloroethene	25 ug/mL
							Toluene	25 ug/mL
							trans-1,3-Dichloropropene	25 ug/mL
							Trichloroethene	25 ug/mL
							Xylenes, Total	75 ug/mL
					VM563136_00007	1 mL	Bromochloromethane	25 ug/mL
					VM861149_00017	2.5 mL	2-Butanone (MEK)	50 ug/mL
							2-Hexanone	50 ug/mL
							4-Methyl-2-pentanone (MIBK)	50 ug/mL
							Acetone	50 ug/mL
..VM48799U_00012	06/30/13		Supelco, Lot LB91213		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
..VM556005_00011	05/31/13		Restek, Lot A085142		(Purchased Reagent)		1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,2-Dibromoethane	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloroethene, Total	5000 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							Benzene	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							Styrene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Toluene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							Trichloroethene	2500 ug/mL
							Xylenes, Total	7500 ug/mL
..VM563136_00007	11/30/16		Restek, Lot A085140		(Purchased Reagent)		Bromochloromethane	2500 ug/mL
..VM861149_00017	11/30/13		Supelco, Lot LB85301		(Purchased Reagent)		2-Butanone (MEK)	2000 ug/mL
							2-Hexanone	2000 ug/mL
							4-Methyl-2-pentanone (MIBK)	2000 ug/mL
							Acetone	2000 ug/mL
VMFASWS_00124	01/02/13	12/26/12	MEOH, Lot na	3 mL	VMFAS_00034	3 mL	Vinyl chloride	25 ug/mL
							1,1-Dichloroethene	25 ug/mL
							1,2-Dichloroethane	25 ug/mL
							Benzene	25 ug/mL
							Carbon tetrachloride	25 ug/mL
							Chlorobenzene	25 ug/mL
							Chloroform	25 ug/mL
							Tetrachloroethene	25 ug/mL
							Trichloroethene	25 ug/mL
							2-Butanone (MEK)	50 ug/mL
.VMFAS_00034	01/20/13	12/20/12	MEOH, Lot 123279	100 mL	VM48799U_00009	1.25 mL	Vinyl chloride	25 ug/mL
					VM556005_00011	1 mL	1,1-Dichloroethene	25 ug/mL
							1,2-Dichloroethane	25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzene	25 ug/mL
							Carbon tetrachloride	25 ug/mL
							Chlorobenzene	25 ug/mL
							Chloroform	25 ug/mL
							Tetrachloroethene	25 ug/mL
							Trichloroethene	25 ug/mL
					VM861149_00020	2.5 mL	2-Butanone (MEK)	50 ug/mL
..VM48799U_00009	06/30/13		Supelco, Lot LB91213		(Purchased Reagent)		Vinyl chloride	2000 ug/mL
..VM556005_00011	05/31/13		Restek, Lot A085142		(Purchased Reagent)		1,1-Dichloroethene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							Benzene	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chloroform	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Trichloroethene	2500 ug/mL
..VM861149_00020	11/30/13		Supelco, Lot LB85301		(Purchased Reagent)		2-Butanone (MEK)	2000 ug/mL
VMPRIMARY_00154	12/17/12	12/10/12	MEOH, Lot na	1 mL	VMCUS7814_00019	1 mL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloroethene, Total	100 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	2500 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							2-Methyl-2-propanol	1000 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Benzene	50 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	100 ug/mL
							Methyl acetate	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	150 ug/mL
.VMCUS7814_00019	02/28/14		Ultra Scientific, Lot CJ-0210		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloroethene, Total	100 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	2500 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							2-Methyl-2-propanol	1000 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	100 ug/mL
							Methyl acetate	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							N-Propylbenzene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	150 ug/mL
VMPRIMARY_00155	12/21/12	12/14/12	MEOH, Lot na	1 mL	VMCUS7814_00019	1 mL	1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloroethene, Total	100 ug/mL
							1,2-Dichloropropane	50 ug/mL
							Benzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							m-Xylene & p-Xylene	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							o-Xylene	50 ug/mL
							Styrene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	150 ug/mL
.VMCUS7814_00019	02/28/14	Ultra Scientific, Lot CJ-0210			(Purchased Reagent)		1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloroethene, Total	100 ug/mL
							1,2-Dichloropropane	50 ug/mL
							Benzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							m-Xylene & p-Xylene	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							o-Xylene	50 ug/mL
							Styrene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	150 ug/mL
VMPRIMARY_00159	01/02/13	12/26/12	MEOH, Lot na	1 mL	VMCUS7814_00020	1 mL	1,1-Dichloroethene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							Benzene	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Trichloroethene	50 ug/mL
.VMCUS7814_00020	02/28/14	Ultra Scientific, Lot CJ-0210			(Purchased Reagent)		1,1-Dichloroethene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							Benzene	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Trichloroethene	50 ug/mL
VMSUPPW_00104	12/17/12	12/10/12	MEOH, Lot na	1 mL	VMSUPP_00018	1 mL	2-Butanone (MEK)	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
							Vinyl acetate	50 ug/mL
							Acetonitrile	500 ug/mL
							Acrolein	500 ug/mL
							Acrylonitrile	100 ug/mL
							2-Chloroethyl vinyl ether	100 ug/mL
.VMSUPP_00018	01/31/13	09/27/12	MEOH, Lot 123279	50 mL	VM30006_00004	1 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
					VMCU5013_00008	1 mL	Vinyl acetate	50 ug/mL
					VMCUS8634_00007	1 mL	Acetonitrile	500 ug/mL
							Acrolein	500 ug/mL
							Acrylonitrile	100 ug/mL
					VMEPA1016_00003	1 mL	2-Chloroethyl vinyl ether	100 ug/mL
..VM30006_00004	11/30/13	Restek, Lot A076449			(Purchased Reagent)		2-Butanone (MEK)	5000 ug/mL
							2-Hexanone	5000 ug/mL
							4-Methyl-2-pentanone (MIBK)	5000 ug/mL
							Acetone	5000 ug/mL
..VMCU5013_00008	01/31/13	Ultra, Lot CJ-3443			(Purchased Reagent)		Vinyl acetate	2500 ug/mL
..VMCUS8634_00007	01/31/13	Ultra, Lot CJ-3453			(Purchased Reagent)		Acetonitrile	25000 ug/mL
							Acrolein	25000 ug/mL
							Acrylonitrile	5000 ug/mL
..VMEPA1016_00003	04/30/13	Ultra, Lot CG-0850			(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
VMSUPPW_00105	12/21/12	12/14/12	MEOH, Lot na	1 mL	VMSUPP_00018	1 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
.VMSUPP_00018	01/31/13	09/27/12	MEOH, Lot 123279	50 mL	VM30006_00004	1 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
..VM30006_00004	11/30/13	Restek, Lot A076449			(Purchased Reagent)		2-Butanone (MEK)	5000 ug/mL
							2-Hexanone	5000 ug/mL
							4-Methyl-2-pentanone (MIBK)	5000 ug/mL
							Acetone	5000 ug/mL
VMSUPPW_00107	01/05/13	12/29/12	MEOH, Lot na	1 mL	VMSUPP_00018	1 mL	2-Butanone (MEK)	100 ug/mL
.VMSUPP_00018	01/31/13	09/27/12	MEOH, Lot 123279	50 mL	VM30006_00004	1 mL	2-Butanone (MEK)	100 ug/mL
..VM30006_00004	11/30/13	Restek, Lot A076449			(Purchased Reagent)		2-Butanone (MEK)	5000 ug/mL
WCCN.01MRL1_00072	12/20/12	12/14/12	NAOH, Lot 673114	100 mL	WCCN10PPM1_00087	0.1 mL	Cyanide, Total	0.01 mg/L
.WCCN10PPM1_00087	12/20/12	12/14/12	NAOH, Lot 673114	100 mL	WCCN1000PPM_00010	1 mL	Cyanide, Total	10 mg/L
..WCCN1000PPM_00010	04/18/13	LABCHEM, Lot B291-06			(Purchased Reagent)		Cyanide, Total	1000 mg/L
WCCN.01MRL1_00073	12/27/12	12/21/12	NAOH, Lot 673114	100 mL	WCCN10PPM1_00088	0.1 mL	Cyanide, Total	0.01 mg/L
.WCCN10PPM1_00088	12/27/12	12/21/12	NAOH, Lot 673114	100 mL	WCCN1000PPM_00010	1 mL	Cyanide, Total	10 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..WCCN1000PPM_00010	04/18/13		LABCHEM, Lot B291-06		(Purchased Reagent)		Cyanide, Total	1000 mg/L
WCCN.1CCV1_00087	12/20/12	12/14/12	NAOH, Lot 673114	100 mL	WCCN10PPM1_00087	1 mL	Cyanide, Total	0.1 mg/L
.WCCN10PPM1_00087	12/20/12	12/14/12	NAOH, Lot 673114	100 mL	WCCN1000PPM_00010	1 mL	Cyanide, Total	10 mg/L
..WCCN1000PPM_00010	04/18/13		LABCHEM, Lot B291-06		(Purchased Reagent)		Cyanide, Total	1000 mg/L
WCCN.1CCV1_00088	12/27/12	12/21/12	NAOH, Lot 673114	100 mL	WCCN10PPM1_00088	1 mL	Cyanide, Total	0.1 mg/L
.WCCN10PPM1_00088	12/27/12	12/21/12	NAOH, Lot 673114	100 mL	WCCN1000PPM_00010	1 mL	Cyanide, Total	10 mg/L
..WCCN1000PPM_00010	04/18/13		LABCHEM, Lot B291-06		(Purchased Reagent)		Cyanide, Total	1000 mg/L
WCCN.1ICV2_00091	12/20/12	12/14/12	NAOH, Lot 673114	100 mL	WCCN10PPM2_00088	1 mL	Cyanide, Total	0.1 mg/L
.WCCN10PPM2_00088	12/20/12	12/14/12	NAOH, Lot 673114	100 mL	WCCN1000PPM_00009	1 mL	Cyanide, Total	10 mg/L
..WCCN1000PPM_00009	03/18/13		LABCHEM, Lot B261-01		(Purchased Reagent)		Cyanide, Total	1000 mg/L
WCCN.1ICV2_00092	12/27/12	12/21/12	NAOH, Lot 673114	100 mL	WCCN10PPM2_00089	1 mL	Cyanide, Total	0.1 mg/L
.WCCN10PPM2_00089	12/27/12	12/21/12	NAOH, Lot 673114	100 mL	WCCN1000PPM_00009	1 mL	Cyanide, Total	10 mg/L
..WCCN1000PPM_00009	03/18/13		LABCHEM, Lot B261-01		(Purchased Reagent)		Cyanide, Total	1000 mg/L
WCCN10PPM1_00087	12/20/12	12/14/12	NAOH, Lot 673114	100 mL	WCCN1000PPM_00010	1 mL	Cyanide, Free	10 mg/L
							Cyanide, Non-amenable	10 mg/L
							Cyanide, Total	10 mg/L
							Cyanide, Weak Acid Dissociable	10 mg/L
.WCCN1000PPM_00010	04/18/13		LABCHEM, Lot B291-06		(Purchased Reagent)		Cyanide, Free	1000 mg/L
							Cyanide, Non-amenable	1000 mg/L
							Cyanide, Total	1000 mg/L
							Cyanide, Weak Acid Dissociable	1000 mg/L
WCCN10PPM1_00088	12/27/12	12/21/12	NAOH, Lot 673114	100 mL	WCCN1000PPM_00010	1 mL	Cyanide, Free	10 mg/L
							Cyanide, Non-amenable	10 mg/L
							Cyanide, Total	10 mg/L
							Cyanide, Weak Acid Dissociable	10 mg/L
.WCCN1000PPM_00010	04/18/13		LABCHEM, Lot B291-06		(Purchased Reagent)		Cyanide, Free	1000 mg/L
							Cyanide, Non-amenable	1000 mg/L
							Cyanide, Total	1000 mg/L
							Cyanide, Weak Acid Dissociable	1000 mg/L
WCCN1PPMMSD2_00098	12/27/12	12/21/12	NAOH, Lot 673114	200 mL	WCCN10PPM2_00089	20 mL	Cyanide, Free	1 mg/L
							Cyanide, Non-amenable	1 mg/L
							Cyanide, Total	1 mg/L
							Cyanide, Weak Acid Dissociable	1 mg/L
.WCCN10PPM2_00089	12/27/12	12/21/12	NAOH, Lot 673114	100 mL	WCCN1000PPM_00009	1 mL	Cyanide, Free	10 mg/L
							Cyanide, Non-amenable	10 mg/L
							Cyanide, Total	10 mg/L
							Cyanide, Weak Acid Dissociable	10 mg/L
..WCCN1000PPM_00009	03/18/13		LABCHEM, Lot B261-01		(Purchased Reagent)		Cyanide, Free	1000 mg/L
							Cyanide, Non-amenable	1000 mg/L
							Cyanide, Total	1000 mg/L
							Cyanide, Weak Acid Dissociable	1000 mg/L
WCCNLCS_00016	04/01/13		ERA, Lot P182-502-A		(Purchased Reagent)		Cyanide, Amenable	0.498 mg/L
							Cyanide, Non-amenable	0.498 mg/L
							Cyanide, Total	0.498 mg/L
							Phenols, Total	0.309 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
WCP-XYLENE_00009	10/19/14	Fisher Scientific, Lot 117508			(Purchased Reagent)		Flashpoint	81 Degrees F
WCPH7_00024	07/20/14	Fisher Scientific, Lot 124088			(Purchased Reagent)		Corrosivity	7 SU
WCSULFIDELCS_00315	12/27/12	11/27/12	DIWATER, Lot 05/29/12	250 mL	WCNA SULFIDE_00287	3.5 g	Sodium Sulfide Nonahydrate	14000 mg/L
							Sulfide	1639.68 mg/L
.WCNA SULFIDE_00287	02/17/15	FISHER SCIENTIFIC, Lot 06/06/12			(Purchased Reagent)		Sodium Sulfide Nonahydrate	1 g/g
							Sulfide	0.11712 g/g
WCWIBBYPHLCS_00006	04/30/15	WIBBY, Lot 8121-15			(Purchased Reagent)		Corrosivity	5.52 SU

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MCCV1X_00031	01/06/13	12/06/12	DI Water, Lot K35N55	500 mL	MCALSPECAREV_00003	10 mL	Aluminum	0.5 ppm
							Arsenic	0.1 ppm
							Barium	0.1 ppm
							Beryllium	0.1 ppm
							Cadmium	0.1 ppm
							Calcium	50 ppm
							Chromium	0.1 ppm
							Cobalt	0.1 ppm
							Copper	0.1 ppm
							Iron	25 ppm
							Lead	0.1 ppm
							Magnesium	50 ppm
							Manganese	0.5 ppm
							Nickel	0.1 ppm
							Potassium	50 ppm
							Selenium	0.1 ppm
							Silver	0.1 ppm
							Sodium	50 ppm
							Thallium	0.1 ppm
							Vanadium	0.1 ppm
							Zinc	0.1 ppm
					MCALSPECB_00004	10 mL	Antimony	0.1 ppm
.MCALSPECAREV_00003	04/01/13	Inorganic Ventures, Lot F2-MEB415031			(Purchased Reagent)		Aluminum	25 ppm
							Arsenic	5 ppm
							Barium	5 ppm
							Beryllium	5 ppm
							Cadmium	5 ppm
							Calcium	2500 ppm
							Chromium	5 ppm
							Cobalt	5 ppm
							Copper	5 ppm
							Iron	1250 ppm
							Lead	5 ppm
							Magnesium	2500 ppm
							Manganese	25 ppm
							Nickel	5 ppm
							Potassium	2500 ppm
							Selenium	5 ppm
							Silver	5 ppm
							Sodium	2500 ppm
							Thallium	5 ppm
							Vanadium	5 ppm
							Zinc	5 ppm
.MCALSPECB_00004	04/01/13	Inorganic Ventures, Lot F2-MEB415032			(Purchased Reagent)		Antimony	5 ppm
MCRIX_00024	03/08/13	12/08/12	HNO3, Lot K09N65	250 mL	MMSCRI-1B_00002	1 mL	Aluminum	0.03 ppm
							Arsenic	0.001 ppm
							Barium	0.01 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Beryllium	0.001 ppm
							Cadmium	0.001 ppm
							Calcium	0.1 ppm
							Chromium	0.002 ppm
							Cobalt	0.0005 ppm
							Copper	0.002 ppm
							Iron	0.05 ppm
							Lead	0.001 ppm
							Magnesium	0.1 ppm
							Manganese	0.005 ppm
							Nickel	0.001 ppm
							Potassium	0.1 ppm
							Selenium	0.005 ppm
							Silver	0.001 ppm
							Sodium	0.1 ppm
							Thallium	0.001 ppm
							Vanadium	0.001 ppm
							Zinc	0.005 ppm
					MMSCRI-2_00004	1 mL	Antimony	0.002 ppm
.MMSCRI-1B_00002	10/01/13	Inorganic Ventures, Lot F2-MEB439152			(Purchased Reagent)		Aluminum	7.5 ppm
							Arsenic	0.25 ppm
							Barium	2.5 ppm
							Beryllium	0.25 ppm
							Cadmium	0.25 ppm
							Calcium	25 ppm
							Chromium	0.5 ppm
							Cobalt	0.125 ppm
							Copper	0.5 ppm
							Iron	12.5 ppm
							Lead	0.25 ppm
							Magnesium	25 ppm
							Manganese	1.25 ppm
							Nickel	0.25 ppm
							Potassium	25 ppm
							Selenium	1.25 ppm
							Silver	0.25 ppm
							Sodium	25 ppm
							Thallium	0.25 ppm
							Vanadium	0.25 ppm
							Zinc	1.25 ppm
.MMSCRI-2_00004	10/01/13	Inorganic Ventures, Lot F2-MEB436153			(Purchased Reagent)		Antimony	0.5 ppm
MICPMSICV_00012	12/30/12	12/03/12	2% Nitric Acid, Lot K09N65	250 mg/L	MICPMSICV_00005	10 mg/L	Aluminum	0.4 mg/L
							Antimony	0.08 mg/L
							Arsenic	0.08 mg/L
							Barium	0.08 mg/L
							Beryllium	0.08 mg/L
							Cadmium	0.08 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Calcium	40 mg/L
							Chromium	0.08 mg/L
							Cobalt	0.08 mg/L
							Copper	0.08 mg/L
							Iron	20 mg/L
							Lead	0.08 mg/L
							Magnesium	40 mg/L
							Manganese	0.4 mg/L
							Nickel	0.08 mg/L
							Potassium	40 mg/L
							Selenium	0.08 mg/L
							Silver	0.08 mg/L
							Sodium	40 mg/L
							Thallium	0.08 mg/L
							Vanadium	0.08 mg/L
							Zinc	0.08 mg/L
.MICPMSICV_00005	12/30/12		SPEX CertiPrep, Lot 26-209JB		(Purchased Reagent)		Aluminum	10 ppm
							Antimony	2 ppm
							Arsenic	2 ppm
							Barium	2 ppm
							Beryllium	2 ppm
							Cadmium	2 ppm
							Calcium	1000 ppm
							Chromium	2 ppm
							Cobalt	2 ppm
							Copper	2 ppm
							Iron	500 ppm
							Lead	2 ppm
							Magnesium	1000 ppm
							Manganese	10 ppm
							Nickel	2 ppm
							Potassium	1000 ppm
							Selenium	2 ppm
							Silver	2 ppm
							Sodium	1000 ppm
							Thallium	2 ppm
							Vanadium	2 ppm
							Zinc	2 ppm
MICSABX_00026	03/08/13	12/08/12	DI Water, Lot J38N82	100 mL	M6020ICS-0A_00003	10 mL	Aluminum	100 ppm
							Calcium	100 ppm
							Iron	100 ppm
							Magnesium	100 ppm
							Mo	2 ppm
							Potassium	100 ppm
							Sodium	100 ppm
							Ti	2 ppm
					M6020ICS-0B_00004	1 mL	Arsenic	0.02 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Cadmium	0.02 ppm
							Chromium	0.02 ppm
							Cobalt	0.02 ppm
							Copper	0.02 ppm
							Manganese	0.0225 ppm
							Nickel	0.02 ppm
							Silver	0.02 ppm
							Zinc	0.025 ppm
					MMSICSAB-1_00004	0.2 mL	Barium	0.02 ppm
							Beryllium	0.02 ppm
							Lead	0.02 ppm
							Sr	0.02 ppm
							Thallium	0.02 ppm
							Vanadium	0.02 ppm
					MMSICSAB-2_00004	0.2 mL	Antimony	0.02 ppm
							B	0.05 ppm
							Selenium	0.05 ppm
							Si	0.5 ppm
							Sn	0.1 ppm
.M6020ICS-0A_00003	11/01/13	Inorganic Ventures, Lot F2-MEB418129			(Purchased Reagent)		Aluminum	1000 ppm
							Calcium	1000 ppm
							Iron	1000 ppm
							Magnesium	1000 ppm
							Mo	20 ppm
							Potassium	1000 ppm
							Sodium	1000 ppm
							Ti	20 ppm
.M6020ICS-0B_00004	11/01/13	Inorganic Ventures, Lot F2-MEB415126			(Purchased Reagent)		Arsenic	2 ppm
							Cadmium	2 ppm
							Chromium	2 ppm
							Cobalt	2 ppm
							Copper	2 ppm
							Manganese	2.25 ppm
							Nickel	2 ppm
							Silver	2 ppm
							Zinc	2.5 ppm
.MMSICSAB-1_00004	04/01/13	Inorganic Ventures, Lot F2-MEB415033			(Purchased Reagent)		Barium	10 ppm
							Beryllium	10 ppm
							Lead	10 ppm
							Sr	10 ppm
							Thallium	10 ppm
							Vanadium	10 ppm
.MMSICSAB-2_00004	04/01/13	Inorganic Ventures, Lot F2-MEB361116			(Purchased Reagent)		Antimony	10 ppm
							B	25 ppm
							Selenium	25 ppm
							Si	250 ppm
							Sn	50 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MICSAX_00023	03/08/13	12/08/12	DI Water, Lot J38N82	100 mL	M6020ICS-0A_00003	10 mL	Aluminum	100 ppm
							Calcium	100 ppm
							Iron	100 ppm
							Magnesium	100 ppm
							Mo	2 ppm
							Potassium	100 ppm
							Sodium	100 ppm
							Ti	2 ppm
.M6020ICS-0A_00003	11/01/13	Inorganic Ventures, Lot F2-MEB418129			(Purchased Reagent)		Aluminum	1000 ppm
							Calcium	1000 ppm
							Iron	1000 ppm
							Magnesium	1000 ppm
							Mo	20 ppm
							Potassium	1000 ppm
							Sodium	1000 ppm
							Ti	20 ppm
MSTD2X_00015	02/18/13	11/18/12	DI Water, Lot K35N55	250 mL	MCALSPECAREV_00003	10 mL	Aluminum	1 ppm
							Arsenic	0.2 ppm
							Barium	0.2 ppm
							Beryllium	0.2 ppm
							Cadmium	0.2 ppm
							Calcium	100 ppm
							Chromium	0.2 ppm
							Cobalt	0.2 ppm
							Copper	0.2 ppm
							Iron	50 ppm
							Lead	0.2 ppm
							Magnesium	100 ppm
							Manganese	1 ppm
							Nickel	0.2 ppm
							Potassium	100 ppm
							Selenium	0.2 ppm
							Silver	0.2 ppm
							Sodium	100 ppm
							Thallium	0.2 ppm
							Vanadium	0.2 ppm
							Zinc	0.2 ppm
.MCALSPECAREV_00003	04/01/13	Inorganic Ventures, Lot F2-MEB415031			(Purchased Reagent)		Aluminum	25 ppm
							Arsenic	5 ppm
							Barium	5 ppm
							Beryllium	5 ppm
							Cadmium	5 ppm
							Calcium	2500 ppm
							Chromium	5 ppm
							Cobalt	5 ppm
							Copper	5 ppm
							Iron	1250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Lead	5 ppm
							Magnesium	2500 ppm
							Manganese	25 ppm
							Nickel	5 ppm
							Potassium	2500 ppm
							Selenium	5 ppm
							Silver	5 ppm
							Sodium	2500 ppm
							Thallium	5 ppm
							Vanadium	5 ppm
							Zinc	5 ppm
MSTD3X_00016	02/18/13	11/18/12	DI Water, Lot K35N55	250 mL	MCALSPECB_00004	10 mL	Antimony	0.2 ppm
.MCALSPECB_00004	04/01/13		Inorganic Ventures, Lot F2-MEB415032		(Purchased Reagent)		Antimony	5 ppm
MTAPITTICPMS_00010	11/01/13		INORGANIC VENTURES, Lot F2-MEB410066		(Purchased Reagent)		Aluminum	200 ug/mL
							Arsenic	4 ug/mL
							B	100 ug/mL
							Barium	200 ug/mL
							Beryllium	5 ug/mL
							Cadmium	5 ug/mL
							Chromium	20 ug/mL
							Cobalt	50 ug/mL
							Copper	25 ug/mL
							Iron	100 ug/mL
							Lead	2 ug/mL
							Manganese	50 ug/mL
							Nickel	50 ug/mL
							Selenium	1 ug/mL
							Silver	5 ug/mL
							Sr	100 ug/mL
							Thallium	5 ug/mL
							Vanadium	50 ug/mL
							Zinc	50 ug/mL
MTAPITTMSA_00012	01/01/14		INORGANIC VENTURES, Lot F2-MEB440138		(Purchased Reagent)		Calcium	5000 ug/mL
							Magnesium	5000 ug/mL
							Potassium	5000 ug/mL
							Sodium	5000 ug/mL
MTAPITTMSC_00016	01/01/14		Inorganic Ventures, Lot F2-MEB427091		(Purchased Reagent)		Antimony	50 ug/mL
							Mo	100 ug/mL
							Si	1000 ug/mL
							SiO2	2140 ug/mL
							Sn	200 ug/mL
							Ti	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
HP34DNTSU_00008	05/15/13	11/15/12	Acetonitrile, Lot Acetonitrite_00001	50 mL	HP8330SU_00008	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
.HP8330SU_00008	05/15/13	Restek, Lot A087054			(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
HP8330IC_00005	10/19/12	06/13/12	25% 0.1%HOAc in ACN, Lot 4457-41A	10 mL	HP8330TA_00007	25 uL	1,3,5-Trinitrobenzene	500 ng/mL
							1,3-Dinitrobenzene	500 ng/mL
							2,4,6-Trinitrotoluene	500 ng/mL
							2,4-Dinitrotoluene	500 ng/mL
							2,6-Dinitrotoluene	500 ng/mL
							2-Amino-4,6-dinitrotoluene	500 ng/mL
							2-Nitrotoluene	500 ng/mL
							3-Nitrotoluene	500 ng/mL
							4-Amino-2,6-dinitrotoluene	500 ng/mL
							4-Nitrotoluene	500 ng/mL
							HMX	500 ng/mL
							Nitrobenzene	500 ng/mL
							RDX	500 ng/mL
							Tetryl	500 ng/mL
					HPNGTA_00011	5 uL	Nitroglycerin	500 ng/mL
					HPPETNTA_00006	5 uL	PETN	500 ng/mL
.HP8330TA_00007	10/30/12	Cerilliant, Lot ER083011-01			(Purchased Reagent)		1,3,5-Trinitrobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							2,4,6-Trinitrotoluene	200 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Amino-4,6-dinitrotoluene	200 ug/mL
							2-Nitrotoluene	200 ug/mL
							3-Nitrotoluene	200 ug/mL
							4-Amino-2,6-dinitrotoluene	200 ug/mL
							4-Nitrotoluene	200 ug/mL
							HMX	200 ug/mL
							Nitrobenzene	200 ug/mL
							RDX	200 ug/mL
							Tetryl	200 ug/mL
.HPNGTA_00011	10/31/12	Cerilliant, Lot FN052106-01			(Purchased Reagent)		Nitroglycerin	1000 ug/mL
.HPPETNTA_00006	10/30/12	Cerilliant, Lot FN102810-02			(Purchased Reagent)		PETN	1000 ug/mL
HP8330ICL_00002	12/07/12	07/27/12	25:75 HOAc/ACN, Lot 4457-41E	50 mL	HP34DNTSU_00004	20 uL	3,4-Dinitrotoluene	20 ng/mL
					HP8330SP_00006	5 uL	1,3,5-Trinitrobenzene	5 ng/mL
							1,3-Dinitrobenzene	5 ng/mL
							2,4,6-Trinitrotoluene	5 ng/mL
							2,4-Dinitrotoluene	5 ng/mL
							2,6-Dinitrotoluene	5 ng/mL
							2-Amino-4,6-dinitrotoluene	5 ng/mL
							2-Nitrotoluene	5 ng/mL
							3-Nitrotoluene	5 ng/mL
							4-Amino-2,6-dinitrotoluene	5 ng/mL

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitrotoluene	5 ng/mL
							HMX	5 ng/mL
							Nitrobenzene	5 ng/mL
							RDX	5 ng/mL
							Tetryl	5 ng/mL
					HPNGSP_00004	20 uL	Nitroglycerin	20 ng/mL
					HPPETNSP_00003	20 uL	PETN	20 ng/mL
.HP34DNTSU_00004	12/07/12	06/07/12	Acetonitrile, Lot K41815	50 mL	HP8330SU_00004	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00004	12/07/13		Restek, Lot A082463		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00006	12/11/12	06/11/12	Acetonitrile, Lot K41815	50 mL	HP8330SP_00005	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP8330SP_00005	12/11/12		Restek, Lot A078069		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPNGSP_00004	12/07/12	06/07/12	Methanol, Lot K18E18	50 mL	HPNGTA_00002	2.5 mL	Nitroglycerin	50 ug/mL
..HPNGTA_00002	12/07/12		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
.HPPETNSP_00003	12/07/12	06/07/12	Methanol, Lot K41815	50 mL	HPPETNTA_00008	2.5 mL	PETN	50 ug/mL
..HPPETNTA_00008	12/07/12		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HP8330ICL_00003	05/11/13	12/11/12	25:75 HOAc/ACN, Lot 4457-69F	50 mL	HP34DNTSU_00008	20 uL	3,4-Dinitrotoluene	20 ng/mL
					HP8330SP_00011	5 uL	1,3,5-Trinitrobenzene	5 ng/mL
							1,3-Dinitrobenzene	5 ng/mL
							2,4,6-Trinitrotoluene	5 ng/mL

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrotoluene	5 ng/mL
							2,6-Dinitrotoluene	5 ng/mL
							2-Amino-4,6-dinitrotoluene	5 ng/mL
							2-Nitrotoluene	5 ng/mL
							3-Nitrotoluene	5 ng/mL
							4-Amino-2,6-dinitrotoluene	5 ng/mL
							4-Nitrotoluene	5 ng/mL
							HMX	5 ng/mL
							Nitrobenzene	5 ng/mL
							RDX	5 ng/mL
							Tetryl	5 ng/mL
					HPNGPETNSP_00001	20 uL	Nitroglycerin	20 ng/mL
							PETN	20 ng/mL
.HP34DNTSU_00008	05/15/13	11/15/12	Acetonitrile, Lot Acetonitrite_00001	50 mL	HP8330SU_00008	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00008	05/15/13		Restek, Lot A087054		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00011	05/30/13	12/05/12	Acetonitrile, Lot 732	50 mL	HP8330TA_00009	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP8330TA_00009	05/30/15		Restek, Lot A084334		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPNGPETNSP_00001	05/11/13	12/11/12	Methanol, Lot Methanol_00001	25 mL	HPNGTA_00012	1.25 mL	Nitroglycerin	50 ug/mL
					HPPETNTA_00010	1.25 mL	PETN	50 ug/mL
..HPNGTA_00012	05/30/16		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..HPPETNTA_00010	11/30/16	Restek, Lot A085138			(Purchased Reagent)		PETN	1000 ug/mL
HP8330L1_00004	12/07/12	08/29/12	25% 1%HoAC in ACN 75, Lot 4457-51G	50 mL	HP8330L4_00003	5 mL	3,4-Dinitrotoluene	5 ng/mL
							3,5-Dinitroaniline	5 ng/mL
							1,3,5-Trinitrobenzene	5 ng/mL
							1,3-Dinitrobenzene	5 ng/mL
							2,4,6-Trinitrotoluene	5 ng/mL
							2,4-Dinitrotoluene	5 ng/mL
							2,6-Dinitrotoluene	5 ng/mL
							2-Amino-4,6-dinitrotoluene	5 ng/mL
							2-Nitrotoluene	5 ng/mL
							3-Nitrotoluene	5 ng/mL
							4-Amino-2,6-dinitrotoluene	5 ng/mL
							4-Nitrotoluene	5 ng/mL
							HMX	5 ng/mL
							Nitrobenzene	5 ng/mL
							RDX	5 ng/mL
							Tetryl	5 ng/mL
							Ethylene glycol dinitrate	5 ng/mL
							Nitroglycerin	5 ng/mL
							2,4,6-Trinitrophenol	10 ng/mL
							PETN	5 ng/mL
.HP8330L4_00003	12/07/12	08/29/12	25% 0.1%HoAC in ACN, Lot 4457-51G	50 mL	HP34DNTSU_00005	50 uL	3,4-Dinitrotoluene	50 ng/mL
					HP8330SP_00008	50 uL	3,5-Dinitroaniline	50 ng/mL
							1,3,5-Trinitrobenzene	50 ng/mL
							1,3-Dinitrobenzene	50 ng/mL
							2,4,6-Trinitrotoluene	50 ng/mL
							2,4-Dinitrotoluene	50 ng/mL
							2,6-Dinitrotoluene	50 ng/mL
							2-Amino-4,6-dinitrotoluene	50 ng/mL
							2-Nitrotoluene	50 ng/mL
							3-Nitrotoluene	50 ng/mL
							4-Amino-2,6-dinitrotoluene	50 ng/mL
							4-Nitrotoluene	50 ng/mL
							HMX	50 ng/mL
							Nitrobenzene	50 ng/mL
							RDX	50 ng/mL
							Tetryl	50 ng/mL
					HPEGDNSP_00003	50 uL	Ethylene glycol dinitrate	50 ng/mL
					HPNGSP_00004	50 uL	Nitroglycerin	50 ng/mL
					HPPASP_00006	100 uL	2,4,6-Trinitrophenol	100 ng/mL
					HPPETNSP_00003	50 uL	PETN	50 ng/mL
..HP34DNTSU_00005	01/27/13	07/27/12	Acetonitrile, Lot K41815	50 mL	HP8330SU_00006	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
...HP8330SU_00006	01/27/13	Restek, Lot A082463			(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
..HP8330SP_00008	02/28/13	08/28/12	Acetonitrile, Lot K49817	50 mL	HP35DNATA_00009	2.5 mL	3,5-Dinitroaniline	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					HP8330TA_00008	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
...HP35DNATA_00009	07/31/16		Restek, Lot A085338		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
...HP8330TA_00008	05/30/15		Restek, Lot A084334		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
..HPEGDNSP_00003	12/07/12	06/07/12	Acetonitrile, Lot K41815	50 mL	HPEGDNTA_00004	2.5 mL	Ethylene glycol dinitrate	50 ug/mL
...HPEGDNTA_00004	12/07/12		Restek, Lot A066822		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
..HPNGSP_00004	12/07/12	06/07/12	Methanol, Lot K18E18	50 mL	HPNGTA_00002	2.5 mL	Nitroglycerin	50 ug/mL
...HPNGTA_00002	12/07/12		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
..HPPASP_00006	12/11/12	06/11/12	Acetonitrile, Lot K41815	50 mL	HPPATA_00005	2.5 mL	2,4,6-Trinitrophenol	50 ug/mL
...HPPATA_00005	12/11/12		Restek, Lot A086505		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL
..HPPETNSP_00003	12/07/12	06/07/12	Methanol, Lot K41815	50 mL	HPPETNTA_00008	2.5 mL	PETN	50 ug/mL
...HPPETNTA_00008	12/07/12		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HP8330L2_00003	12/07/12	08/29/12	25% 0.1%HoAC in ACN, Lot 4457-51G	50 mL	HP34DNTSU_00005	10 uL	3,4-Dinitrotoluene	10 ng/mL
					HP8330SP_00008	10 uL	3,5-Dinitroaniline	10 ng/mL
							1,3,5-Trinitrobenzene	10 ng/mL
							1,3-Dinitrobenzene	10 ng/mL
							2,4,6-Trinitrotoluene	10 ng/mL
							2,4-Dinitrotoluene	10 ng/mL
							2,6-Dinitrotoluene	10 ng/mL
							2-Amino-4,6-dinitrotoluene	10 ng/mL

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Nitrotoluene	10 ng/mL
							3-Nitrotoluene	10 ng/mL
							4-Amino-2,6-dinitrotoluene	10 ng/mL
							4-Nitrotoluene	10 ng/mL
							HMX	10 ng/mL
							Nitrobenzene	10 ng/mL
							RDX	10 ng/mL
							Tetryl	10 ng/mL
					HPEGDNSP_00003	10 uL	Ethylene glycol dinitrate	10 ng/mL
					HPNGSP_00004	10 uL	Nitroglycerin	10 ng/mL
					HPPASP_00006	20 uL	2,4,6-Trinitrophenol	20 ng/mL
					HPPETNSP_00003	10 uL	PETN	10 ng/mL
.HP34DNTSU_00005	01/27/13	07/27/12	Acetonitrile, Lot K41815	50 mL	HP8330SU_00006	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00006	01/27/13		Restek, Lot A082463		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00008	02/28/13	08/28/12	Acetonitrile, Lot K49817	50 mL	HP35DNATA_00009	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00008	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00009	07/31/16		Restek, Lot A085338		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00008	05/30/15		Restek, Lot A084334		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPEGDNSP_00003	12/07/12	06/07/12	Acetonitrile, Lot K41815	50 mL	HPEGDNTA_00004	2.5 mL	Ethylene glycol dinitrate	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..HPEGDNTA_00004	12/07/12		Restek, Lot A066822		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGSP_00004	12/07/12	06/07/12	Methanol, Lot K18E18	50 mL	HPNGTA_00002	2.5 mL	Nitroglycerin	50 ug/mL
..HPNGTA_00002	12/07/12		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
.HPPASP_00006	12/11/12	06/11/12	Acetonitrile, Lot K41815	50 mL	HPPATA_00005	2.5 mL	2,4,6-Trinitrophenol	50 ug/mL
..HPPATA_00005	12/11/12		Restek, Lot A086505		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL
.HPPETNSP_00003	12/07/12	06/07/12	Methanol, Lot K41815	50 mL	HPPETNTA_00008	2.5 mL	PETN	50 ug/mL
..HPPETNTA_00008	12/07/12		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HP8330L3_00003	12/07/12	08/29/12	25% 0.1%HoAC in ACN, Lot 4457-51G	50 mL	HP34DNTSU_00005	20 uL	3,4-Dinitrotoluene	20 ng/mL
					HP8330SP_00008	20 uL	3,5-Dinitroaniline	20 ng/mL
							1,3,5-Trinitrobenzene	20 ng/mL
							1,3-Dinitrobenzene	20 ng/mL
							2,4,6-Trinitrotoluene	20 ng/mL
							2,4-Dinitrotoluene	20 ng/mL
							2,6-Dinitrotoluene	20 ng/mL
							2-Amino-4,6-dinitrotoluene	20 ng/mL
							2-Nitrotoluene	20 ng/mL
							3-Nitrotoluene	20 ng/mL
							4-Amino-2,6-dinitrotoluene	20 ng/mL
							4-Nitrotoluene	20 ng/mL
							HMX	20 ng/mL
							Nitrobenzene	20 ng/mL
							RDX	20 ng/mL
							Tetryl	20 ng/mL
					HPEGDNSP_00003	20 uL	Ethylene glycol dinitrate	20 ng/mL
					HPNGSP_00004	20 uL	Nitroglycerin	20 ng/mL
					HPPASP_00006	50 uL	2,4,6-Trinitrophenol	50 ng/mL
					HPPETNSP_00003	20 uL	PETN	20 ng/mL
.HP34DNTSU_00005	01/27/13	07/27/12	Acetonitrile, Lot K41815	50 mL	HP8330SU_00006	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00006	01/27/13		Restek, Lot A082463		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00008	02/28/13	08/28/12	Acetonitrile, Lot K49817	50 mL	HP35DNATA_00009	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00008	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..HP35DNATA_00009	07/31/16		Restek, Lot A085338		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00008	05/30/15		Restek, Lot A084334		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPEGDNSP_00003	12/07/12	06/07/12	Acetonitrile, Lot K41815	50 mL	HPEGDNTA_00004	2.5 mL	Ethylene glycol dinitrate	50 ug/mL
..HPEGDNTA_00004	12/07/12		Restek, Lot A066822		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGSP_00004	12/07/12	06/07/12	Methanol, Lot K18E18	50 mL	HPNGTA_00002	2.5 mL	Nitroglycerin	50 ug/mL
..HPNGTA_00002	12/07/12		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
.HPPASP_00006	12/11/12	06/11/12	Acetonitrile, Lot K41815	50 mL	HPPATA_00005	2.5 mL	2,4,6-Trinitrophenol	50 ug/mL
..HPPATA_00005	12/11/12		Restek, Lot A086505		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL
.HPPETNSP_00003	12/07/12	06/07/12	Methanol, Lot K41815	50 mL	HPPETNTA_00008	2.5 mL	PETN	50 ug/mL
..HPPETNTA_00008	12/07/12		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HP8330L4_00003	12/07/12	08/29/12	25% 0.1%HoAC in ACN, Lot 4457-51G	50 mL	HP34DNTSU_00005	50 uL	3,4-Dinitrotoluene	50 ng/mL
					HP8330SP_00008	50 uL	3,5-Dinitroaniline	50 ng/mL
							1,3,5-Trinitrobenzene	50 ng/mL
							1,3-Dinitrobenzene	50 ng/mL
							2,4,6-Trinitrotoluene	50 ng/mL
							2,4-Dinitrotoluene	50 ng/mL
							2,6-Dinitrotoluene	50 ng/mL
							2-Amino-4,6-dinitrotoluene	50 ng/mL
							2-Nitrotoluene	50 ng/mL
							3-Nitrotoluene	50 ng/mL
							4-Amino-2,6-dinitrotoluene	50 ng/mL
							4-Nitrotoluene	50 ng/mL
							HMX	50 ng/mL
							Nitrobenzene	50 ng/mL
							RDX	50 ng/mL
							Tetryl	50 ng/mL
					HPEGDNSP_00003	50 uL	Ethylene glycol dinitrate	50 ng/mL
					HPNGSP_00004	50 uL	Nitroglycerin	50 ng/mL
					HPPASP_00006	100 uL	2,4,6-Trinitrophenol	100 ng/mL
					HPPETNSP_00003	50 uL	PETN	50 ng/mL
.HP34DNTSU_00005	01/27/13	07/27/12	Acetonitrile, Lot K41815	50 mL	HP8330SU_00006	2.5 mL	3,4-Dinitrotoluene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..HP8330SU_00006	01/27/13		Restek, Lot A082463		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00008	02/28/13	08/28/12	Acetonitrile, Lot K49817	50 mL	HP35DNATA_00009	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00008	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00009	07/31/16		Restek, Lot A085338		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00008	05/30/15		Restek, Lot A084334		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPEGDNSP_00003	12/07/12	06/07/12	Acetonitrile, Lot K41815	50 mL	HPEGDNTA_00004	2.5 mL	Ethylene glycol dinitrate	50 ug/mL
..HPEGDNTA_00004	12/07/12		Restek, Lot A066822		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGSP_00004	12/07/12	06/07/12	Methanol, Lot K18E18	50 mL	HPNGTA_00002	2.5 mL	Nitroglycerin	50 ug/mL
..HPNGTA_00002	12/07/12		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
.HPPASP_00006	12/11/12	06/11/12	Acetonitrile, Lot K41815	50 mL	HPPATA_00005	2.5 mL	2,4,6-Trinitrophenol	50 ug/mL
..HPPATA_00005	12/11/12		Restek, Lot A086505		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL
.HPPETNSP_00003	12/07/12	06/07/12	Methanol, Lot K41815	50 mL	HPPETNTA_00008	2.5 mL	PETN	50 ug/mL
..HPPETNTA_00008	12/07/12		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HP8330L5_00004	12/07/12	08/29/12	25% 1%HoAC in ACN 75, Lot 4457-17F	200 mL	HP34DNTSU_00005	400 uL	3,4-Dinitrotoluene	100 ng/mL
					HP8330SP_00008	400 uL	3,5-Dinitroaniline	100 ng/mL
							1,3,5-Trinitrobenzene	100 ng/mL
							1,3-Dinitrobenzene	100 ng/mL
							2,4,6-Trinitrotoluene	100 ng/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrotoluene	100 ng/mL
							2,6-Dinitrotoluene	100 ng/mL
							2-Amino-4,6-dinitrotoluene	100 ng/mL
							2-Nitrotoluene	100 ng/mL
							3-Nitrotoluene	100 ng/mL
							4-Amino-2,6-dinitrotoluene	100 ng/mL
							4-Nitrotoluene	100 ng/mL
							HMX	100 ng/mL
							Nitrobenzene	100 ng/mL
							RDX	100 ng/mL
							Tetryl	100 ng/mL
					HPEGDNSP_00003	400 uL	Ethylene glycol dinitrate	100 ng/mL
					HPNGSP_00004	400 uL	Nitroglycerin	100 ng/mL
					HPPASP_00006	800 uL	2,4,6-Trinitrophenol	200 ng/mL
					HPPETNSP_00003	400 uL	PETN	100 ng/mL
.HP34DNTSU_00005	01/27/13	07/27/12	Acetonitrile, Lot K41815	50 mL	HP8330SU_00006	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00006	01/27/13	Restek, Lot A082463			(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00008	02/28/13	08/28/12	Acetonitrile, Lot K49817	50 mL	HP35DNATA_00009	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00008	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00009	07/31/16	Restek, Lot A085338			(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00008	05/30/15	Restek, Lot A084334			(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetryl	1000 ug/mL
.HPEGDNSP_00003	12/07/12	06/07/12	Acetonitrile, Lot K41815	50 mL	HPEGDNTA_00004	2.5 mL	Ethylene glycol dinitrate	50 ug/mL
..HPEGDNTA_00004	12/07/12		Restek, Lot A066822		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGSP_00004	12/07/12	06/07/12	Methanol, Lot K18E18	50 mL	HPNGTA_00002	2.5 mL	Nitroglycerin	50 ug/mL
..HPNGTA_00002	12/07/12		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
.HPPASP_00006	12/11/12	06/11/12	Acetonitrile, Lot K41815	50 mL	HPPATA_00005	2.5 mL	2,4,6-Trinitrophenol	50 ug/mL
..HPPATA_00005	12/11/12		Restek, Lot A086505		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL
.HPPETNSP_00003	12/07/12	06/07/12	Methanol, Lot K41815	50 mL	HPPETNTA_00008	2.5 mL	PETN	50 ug/mL
..HPPETNTA_00008	12/07/12		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HP8330L5_00006	02/28/13	12/05/12	25% 1%HoAC in ACN 75, Lot 4457-63F	100 mL	HP34DNTSU_00008	200 uL	3,4-Dinitrotoluene	100 ng/mL
					HP8330SP_00011	200 uL	1,3,5-Trinitrobenzene	100 ng/mL
							1,3-Dinitrobenzene	100 ng/mL
							2,4,6-Trinitrotoluene	100 ng/mL
							2,4-Dinitrotoluene	100 ng/mL
							2,6-Dinitrotoluene	100 ng/mL
							2-Amino-4,6-dinitrotoluene	100 ng/mL
							2-Nitrotoluene	100 ng/mL
							3-Nitrotoluene	100 ng/mL
							4-Amino-2,6-dinitrotoluene	100 ng/mL
							4-Nitrotoluene	100 ng/mL
							HMX	100 ng/mL
							Nitrobenzene	100 ng/mL
							RDX	100 ng/mL
							Tetryl	100 ng/mL
					HPNGSP_00007	200 uL	Nitroglycerin	100 ng/mL
					HPPETNSP_00005	200 uL	PETN	100 ng/mL
.HP34DNTSU_00008	05/15/13	11/15/12	Acetonitrile, Lot Acetonitrite_00001	50 mL	HP8330SU_00008	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00008	05/15/13		Restek, Lot A087054		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00011	05/30/13	12/05/12	Acetonitrile, Lot 732	50 mL	HP8330TA_00009	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP8330TA_00009	05/30/15		Restek, Lot A084334		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPNGSP_00007	03/06/13	09/05/12	Methanol, Lot K18E18	50 mL	HPNGTA_00003	2.5 mL	Nitroglycerin	50 ug/mL
..HPNGTA_00003	03/06/13		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
.HPPETNSP_00005	03/05/13	09/05/12	Methanol, Lot K41815	50 mL	HPPETNTA_00009	2.5 mL	PETN	50 ug/mL
..HPPETNTA_00009	03/05/13		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HP8330L6_00004	12/07/12	08/29/12	25% 0.1%HoAC in ACN, Lot 4457-51G	100 mL	HP34DNTSU_00005	400 uL	3,4-Dinitrotoluene	200 ng/mL
					HP8330SP_00008	400 uL	3,5-Dinitroaniline	200 ng/mL
							1,3,5-Trinitrobenzene	200 ng/mL
							1,3-Dinitrobenzene	200 ng/mL
							2,4,6-Trinitrotoluene	200 ng/mL
							2,4-Dinitrotoluene	200 ng/mL
							2,6-Dinitrotoluene	200 ng/mL
							2-Amino-4,6-dinitrotoluene	200 ng/mL
							2-Nitrotoluene	200 ng/mL
							3-Nitrotoluene	200 ng/mL
							4-Amino-2,6-dinitrotoluene	200 ng/mL
							4-Nitrotoluene	200 ng/mL
							HMX	200 ng/mL
							Nitrobenzene	200 ng/mL
							RDX	200 ng/mL
							Tetryl	200 ng/mL
					HPEGDNSP_00003	400 uL	Ethylene glycol dinitrate	200 ng/mL
					HPNGSP_00004	400 uL	Nitroglycerin	200 ng/mL
					HPPASP_00006	1000 uL	2,4,6-Trinitrophenol	500 ng/mL
					HPPETNSP_00003	400 uL	PETN	200 ng/mL
.HP34DNTSU_00005	01/27/13	07/27/12	Acetonitrile, Lot K41815	50 mL	HP8330SU_00006	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00006	01/27/13		Restek, Lot A082463		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00008	02/28/13	08/28/12	Acetonitrile, Lot K49817	50 mL	HP35DNATA_00009	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00008	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00009	07/31/16		Restek, Lot A085338		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00008	05/30/15		Restek, Lot A084334		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPEGDNSP_00003	12/07/12	06/07/12	Acetonitrile, Lot K41815	50 mL	HPEGDNTA_00004	2.5 mL	Ethylene glycol dinitrate	50 ug/mL
..HPEGDNTA_00004	12/07/12		Restek, Lot A066822		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGSP_00004	12/07/12	06/07/12	Methanol, Lot K18E18	50 mL	HPNGTA_00002	2.5 mL	Nitroglycerin	50 ug/mL
..HPNGTA_00002	12/07/12		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
.HPPASP_00006	12/11/12	06/11/12	Acetonitrile, Lot K41815	50 mL	HPPATA_00005	2.5 mL	2,4,6-Trinitrophenol	50 ug/mL
..HPPATA_00005	12/11/12		Restek, Lot A086505		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL
.HPPETNSP_00003	12/07/12	06/07/12	Methanol, Lot K41815	50 mL	HPPETNTA_00008	2.5 mL	PETN	50 ug/mL
..HPPETNTA_00008	12/07/12		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HP8330L7_00003	12/07/12	08/29/12	25% 0.1%HoAC in ACN, Lot 4457-51G	25 mL	HP34DNTSU_00005	150 uL	3,4-Dinitrotoluene	300 ng/mL
					HP8330SP_00008	250 uL	3,5-Dinitroaniline	500 ng/mL
							1,3,5-Trinitrobenzene	500 ng/mL
							1,3-Dinitrobenzene	500 ng/mL
							2,4,6-Trinitrotoluene	500 ng/mL
							2,4-Dinitrotoluene	500 ng/mL
							2,6-Dinitrotoluene	500 ng/mL
							2-Amino-4,6-dinitrotoluene	500 ng/mL
							2-Nitrotoluene	500 ng/mL
							3-Nitrotoluene	500 ng/mL
							4-Amino-2,6-dinitrotoluene	500 ng/mL
							4-Nitrotoluene	500 ng/mL
							HMX	500 ng/mL
							Nitrobenzene	500 ng/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							RDX	500 ng/mL
							Tetryl	500 ng/mL
					HPEGDNSP_00003	250 uL	Ethylene glycol dinitrate	500 ng/mL
					HPNGSP_00004	250 uL	Nitroglycerin	500 ng/mL
					HPPASP_00006	500 uL	2,4,6-Trinitrophenol	1000 ng/mL
					HPPETNSP_00003	250 uL	PETN	500 ng/mL
.HP34DNTSU_00005	01/27/13	07/27/12	Acetonitrile, Lot K41815	50 mL	HP8330SU_00006	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00006	01/27/13		Restek, Lot A082463		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00008	02/28/13	08/28/12	Acetonitrile, Lot K49817	50 mL	HP35DNATA_00009	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00008	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00009	07/31/16		Restek, Lot A085338		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00008	05/30/15		Restek, Lot A084334		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPEGDNSP_00003	12/07/12	06/07/12	Acetonitrile, Lot K41815	50 mL	HPEGDNTA_00004	2.5 mL	Ethylene glycol dinitrate	50 ug/mL
..HPEGDNTA_00004	12/07/12		Restek, Lot A066822		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGSP_00004	12/07/12	06/07/12	Methanol, Lot K18E18	50 mL	HPNGTA_00002	2.5 mL	Nitroglycerin	50 ug/mL
..HPNGTA_00002	12/07/12		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
.HPPASP_00006	12/11/12	06/11/12	Acetonitrile, Lot K41815	50 mL	HPPATA_00005	2.5 mL	2,4,6-Trinitrophenol	50 ug/mL
..HPPATA_00005	12/11/12		Restek, Lot A086505		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.HPPETNSP_00003	12/07/12	06/07/12	Methanol, Lot K41815	50 mL	HPPETNTA_00008	2.5 mL	PETN	50 ug/mL
..HPPETNTA_00008	12/07/12		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HP8330L8_00003	12/07/12	08/29/12	25% 0.1%HoAC in ACN, Lot 4457-51G	25 mL	HP34DNTSU_00005	250 uL	3,4-Dinitrotoluene	500 ng/mL
					HP8330SP_00008	500 uL	3,5-Dinitroaniline	1000 ng/mL
							1,3,5-Trinitrobenzene	1000 ng/mL
							1,3-Dinitrobenzene	1000 ng/mL
							2,4,6-Trinitrotoluene	1000 ng/mL
							2,4-Dinitrotoluene	1000 ng/mL
							2,6-Dinitrotoluene	1000 ng/mL
							2-Amino-4,6-dinitrotoluene	1000 ng/mL
							2-Nitrotoluene	1000 ng/mL
							3-Nitrotoluene	1000 ng/mL
							4-Amino-2,6-dinitrotoluene	1000 ng/mL
							4-Nitrotoluene	1000 ng/mL
							HMX	1000 ng/mL
							Nitrobenzene	1000 ng/mL
							RDX	1000 ng/mL
							Tetryl	1000 ng/mL
					HPEGDNSP_00003	500 uL	Ethylene glycol dinitrate	1000 ng/mL
					HPNGSP_00004	500 uL	Nitroglycerin	1000 ng/mL
					HPPASP_00006	1 mL	2,4,6-Trinitrophenol	2000 ng/mL
					HPPETNSP_00003	500 uL	PETN	1000 ng/mL
.HP34DNTSU_00005	01/27/13	07/27/12	Acetonitrile, Lot K41815	50 mL	HP8330SU_00006	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00006	01/27/13		Restek, Lot A082463		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00008	02/28/13	08/28/12	Acetonitrile, Lot K49817	50 mL	HP35DNATA_00009	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00008	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00009	07/31/16		Restek, Lot A085338		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00008	05/30/15		Restek, Lot A084334		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPEGDNSP_00003	12/07/12	06/07/12	Acetonitrile, Lot K41815	50 mL	HPEGDNTA_00004	2.5 mL	Ethylene glycol dinitrate	50 ug/mL
..HPEGDNTA_00004	12/07/12		Restek, Lot A066822		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGSP_00004	12/07/12	06/07/12	Methanol, Lot K18E18	50 mL	HPNGTA_00002	2.5 mL	Nitroglycerin	50 ug/mL
..HPNGTA_00002	12/07/12		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
.HPPASP_00006	12/11/12	06/11/12	Acetonitrile, Lot K41815	50 mL	HPPATA_00005	2.5 mL	2,4,6-Trinitrophenol	50 ug/mL
..HPPATA_00005	12/11/12		Restek, Lot A086505		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL
.HPPETNSP_00003	12/07/12	06/07/12	Methanol, Lot K41815	50 mL	HPPETNTA_00008	2.5 mL	PETN	50 ug/mL
..HPPETNTA_00008	12/07/12		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HP8330SP_00011	05/30/13	12/05/12	Acetonitrile, Lot 732	50 mL	HP35DNATA_00010	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00009	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
.HP35DNATA_00010	07/31/16		Restek, Lot A085338		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
.HP8330TA_00009	05/30/15		Restek, Lot A084334		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetryl	1000 ug/mL
HPNCSP_00007	04/05/13	11/05/12	Acetone, Lot Acetone_00004	200 mL	HPNCTA_00001	0.102 g	Nitrocellulose	510 ug/mL
.HPNCTA_00001	03/19/17	Theater Affects, Lot 031912			(Purchased Reagent)		Nitrocellulose	1 g/g
HPNGPETNSP_00001	05/11/13	12/11/12	Methanol, Lot Methanol_00001	25 mL	HPNGTA_00012	1.25 mL	Nitroglycerin	50 ug/mL
					HPPETNTA_00010	1.25 mL	PETN	50 ug/mL
.HPNGTA_00012	05/30/16	Restek, Lot A082035			(Purchased Reagent)		Nitroglycerin	1000 ug/mL
.HPPETNTA_00010	11/30/16	Restek, Lot A085138			(Purchased Reagent)		PETN	1000 ug/mL
HPNQ2xMDL_00002	04/15/13	10/16/12	DI Water, Lot M10152012	4 mL	HPNQL2_00003	1 mL	Nitroguanidine	5 ng/mL
.HPNQL2_00003	04/15/13	10/16/12	Water, Lot M10152012	50 mL	HPNQSP_00006	20 uL	Nitroguanidine	20 ng/mL
..HPNQSP_00006	04/15/13	10/15/12	Methanol, Lot K18E18	25 mL	HPNQTA_00002	1.25 mL	Nitroguanidine	50 ug/mL
...HPNQTA_00002	04/15/13	Restek, Lot A076817			(Purchased Reagent)		Nitroguanidine	1000 ug/mL
HPNQIC_00003	06/26/13	12/26/12	Water, Lot NA	50 mL	HPNQTA_00010	100 uL	Nitroguanidine	200 ng/mL
.HPNQTA_00010	06/26/13	AccuStandard, Inc, Lot 211111014			(Purchased Reagent)		Nitroguanidine	100 ug/mL
HPNQL2_00003	04/15/13	10/16/12	Water, Lot M10152012	50 mL	HPNQSP_00006	20 uL	Nitroguanidine	20 ng/mL
.HPNQSP_00006	04/15/13	10/15/12	Methanol, Lot K18E18	25 mL	HPNQTA_00002	1.25 mL	Nitroguanidine	50 ug/mL
..HPNQTA_00002	04/15/13	Restek, Lot A076817			(Purchased Reagent)		Nitroguanidine	1000 ug/mL
HPNQL3_00003	04/15/13	10/12/12	Water, Lot M10152012	50 mL	HPNQSP_00006	50 uL	Nitroguanidine	50 ng/mL
.HPNQSP_00006	04/15/13	10/15/12	Methanol, Lot K18E18	25 mL	HPNQTA_00002	1.25 mL	Nitroguanidine	50 ug/mL
..HPNQTA_00002	04/15/13	Restek, Lot A076817			(Purchased Reagent)		Nitroguanidine	1000 ug/mL
HPNQL4_00003	04/15/13	10/16/12	Water, Lot M10152012	50 mL	HPNQSP_00006	100 uL	Nitroguanidine	100 ng/mL
.HPNQSP_00006	04/15/13	10/15/12	Methanol, Lot K18E18	25 mL	HPNQTA_00002	1.25 mL	Nitroguanidine	50 ug/mL
..HPNQTA_00002	04/15/13	Restek, Lot A076817			(Purchased Reagent)		Nitroguanidine	1000 ug/mL
HPNQL5_00003	04/15/13	10/16/12	Water, Lot M10152012	50 mL	HPNQSP_00006	200 uL	Nitroguanidine	200 ng/mL
.HPNQSP_00006	04/15/13	10/15/12	Methanol, Lot K18E18	25 mL	HPNQTA_00002	1.25 mL	Nitroguanidine	50 ug/mL
..HPNQTA_00002	04/15/13	Restek, Lot A076817			(Purchased Reagent)		Nitroguanidine	1000 ug/mL
HPNQL6_00003	04/15/13	10/16/12	Water, Lot M10152012	25 mL	HPNQSP_00006	250 uL	Nitroguanidine	500 ng/mL
.HPNQSP_00006	04/15/13	10/15/12	Methanol, Lot K18E18	25 mL	HPNQTA_00002	1.25 mL	Nitroguanidine	50 ug/mL
..HPNQTA_00002	04/15/13	Restek, Lot A076817			(Purchased Reagent)		Nitroguanidine	1000 ug/mL
HPNQL7_00003	04/15/13	10/16/12	Water, Lot M10152012	25 mL	HPNQSP_00006	500 uL	Nitroguanidine	1000 ng/mL
.HPNQSP_00006	04/15/13	10/15/12	Methanol, Lot K18E18	25 mL	HPNQTA_00002	1.25 mL	Nitroguanidine	50 ug/mL
..HPNQTA_00002	04/15/13	Restek, Lot A076817			(Purchased Reagent)		Nitroguanidine	1000 ug/mL
HPNQSP_00006	04/15/13	10/15/12	Methanol, Lot K18E18	25 mL	HPNQTA_00002	1.25 mL	Nitroguanidine	50 ug/mL
.HPNQTA_00002	04/15/13	Restek, Lot A076817			(Purchased Reagent)		Nitroguanidine	1000 ug/mL
WC-353.2-ICV_00015	01/17/13	12/17/12	DI Water, Lot xxxx	100 mL	WC-N02-1000_00016	0.05 mL	Nitrate Nitrite as N	1 mg/L as N
							Nitrocellulose	8.403 mg/L as N
					WC-N03-1000_00006	0.05 mL	Nitrate Nitrite as N	1 mg/L as N
							Nitrocellulose	8.403 mg/L as N
.WC-N02-1000_00016	08/14/13	CPI International, Lot 12B200			(Purchased Reagent)		Nitrate Nitrite as N	1000 mg/L as N

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nitrocellulose	8403 mg/L as N
.WC-N03-1000_00006	08/14/13		RICCA, Lot 1204143		(Purchased Reagent)		Nitrate Nitrite as N	1000 mg/L as N
							Nitrocellulose	8403 mg/L as N
WC-353.2-L1_00014	01/17/13	12/17/12	DI Water, Lot xxxx	100 mL	WC-353.2-INT_00011	0.05 mL	Nitrocellulose	0.42015 mg/L as N
.WC-353.2-INT_00011	01/17/13	12/17/12	DI Water, Lot xxxxxxx	10 mL	WC-N02-1000_00017	0.5 mL	Nitrocellulose	840.3 mg/L as N
					WC-N03-1000_00007	0.5 mL	Nitrocellulose	840.3 mg/L as N
..WC-N02-1000_00017	11/09/13		ERA, Lot 210912		(Purchased Reagent)		Nitrocellulose	8403 mg/L as N
..WC-N03-1000_00007	04/19/13		ERA, Lot 2040212		(Purchased Reagent)		Nitrocellulose	8403 mg/L as N
WC-353.2-L4_00010	01/17/13	12/17/12	DI Water, Lot xxxx	100 mL	WC-353.2-INT_00011	1 mL	Nitrate Nitrite as N	1 mg/L as N
							Nitrocellulose	8.403 mg/L as N
.WC-353.2-INT_00011	01/17/13	12/17/12	DI Water, Lot xxxxxxx	10 mL	WC-N02-1000_00017	0.5 mL	Nitrate Nitrite as N	100 mg/L as N
							Nitrocellulose	840.3 mg/L as N
					WC-N03-1000_00007	0.5 mL	Nitrate Nitrite as N	100 mg/L as N
							Nitrocellulose	840.3 mg/L as N
..WC-N02-1000_00017	11/09/13		ERA, Lot 210912		(Purchased Reagent)		Nitrate Nitrite as N	1000 mg/L as N
							Nitrocellulose	8403 mg/L as N
..WC-N03-1000_00007	04/19/13		ERA, Lot 2040212		(Purchased Reagent)		Nitrate Nitrite as N	1000 mg/L as N
							Nitrocellulose	8403 mg/L as N

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Rec'd 10-7-11
kw

Certificate of Analysis

Product Description:

Name:	Silver	Source Material:	Silver Metal
Part Number:	**100051-1**	Material Purity:	99.999%
Lot Number:	**1108017**	Matrix:	2% (v/v) HNO_3

Certified Values:

Concentration: 1000 µg/mL ± 3 µg/mL

The Certified value is based on gravimetric and volumetric preparation, and confirmed against SRM 3151 (lot number 992212) by inductively coupled plasma optical emission spectrometry (ICP-OES) using an internal laboratory-developed method.

Density: 1.011 ± 0.002 g/mL @ 21.8°C

The uncertainty in the certified values is calculated for a 95% confidence interval and coverage factor *k* is about 2.

Uncertified Values:

Trace Metal Impurity Scan:

The data reported are based upon a scan of this specific lot at 1000 µg/mL via ICP analysis. The values are reported in µg/L.

Ag		M	Cu	<	2	Li	<	0.02	Rb	<	0.02	Th	<	0.02
Al	<	0.1	Dy	<	0.02	Lu	<	0.02	Re	<	0.02	Ti	<	0.02
As	<	0.05	Er	<	0.02	Mg	<	0.5	Rh	<	0.02	Tl	<	0.02
Au	<	0.02	Eu	<	0.02	Mn	<	0.1	Ru	<	0.02	Tm	<	0.02
B	<	1	Fe	<	1	Mo	<	0.02	Sb	<	1	U	<	0.1
Ba	<	0.02	Ga	<	0.02	Na	<	1	Sc	<	0.02	V	<	0.05
Be	<	0.02	Gd	<	0.02	Nb	<	0.02	Se	<	0.1	W	<	0.02
Bi	<	2	Ge	<	0.02	Nd	<	0.02	Si	<	1	Y	<	0.1
Ca	<	0.1	Hf	<	0.02	Ni	<	0.02	Sm	<	0.02	Yb	<	0.02
Cd	<	0.02	Ho	<	0.02	Os	<	0.02	Sn	<	1	Zn	<	0.1
Ce	<	0.02	In	<	0.02	Pb	<	0.05	Sr	<	0.02	Zr	<	0.02
Co	<	0.3	Ir	<	0.02	Pd	<	2	Ta	<	0.02			
Cr	<	0.1	K	<	1	Pr	<	0.02	Tb	<	0.02			
Cs	<	0.02	La	<	0.02	Pt	<	0.02	Te	<	0.02			

Preparation Information:

The standard solution is prepared using high purity materials and assayed by analytical methods for conformity prior to use. This standard was prepared using the methods developed at NIST for SRM Spectrometric Standard Solutions under appropriate laboratory conditions.

Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water.

Stability of this product is based upon rigorous short term and long term testing of the solution for the certified value. This testing includes, but is not limited to, the effect of temperature and packaging on the product.

Intended Use:

This Certified Reference Material (CRM) is intended for use as a calibration standard for the quantitative determination of silver, calibration of instruments such as ICPOES, ICPMS, AAS and XRF, and validation of analytical methods. It also can be used in EPA, ASTM and other methods.

Traceability Information:

The traceability of this standard is maintained through an unbroken chain of comparisons to appropriate standards with suitable procedure and measurement uncertainties.

a. **Standard Weight and Analytical Balance Calibration:**
The standard weights (NBS weights Inventory No 20231A) are calibrated every two years by South Carolina Metrology Laboratory that is a participant in "NIST Weights and Measures Measurement Assurance Program" with a certificate of measurement traceability to NIST primary standards.
The balances are calibrated yearly by the ISO 17025 accredited metrology service, and are calibrated weekly by an in-house method using standard weights.

b. **Volumetric Device Calibration**:
The calibration of volumetric vessels is checked annually using the NBS 602 method.

c. **Thermometer Calibration:**
The standard thermometers are calibrated every year by the ISO 17025 accredited metrology service. The thermometers used in-house are calibrated against the standard thermometers yearly.

d. **Calibration Standards:**
The Calibration Standard is directly traceable to SRM 3100 Series Spectrometric Standard Solutions.

Packaging and Storage Conditions:

The standard is packaged in a pre-cleaned polyethylene bottle. To maintain the integrity of this product, the solution should be kept tightly capped and stored under normal laboratory conditions.

Refer to Material Safety Datasheet (MSDS) for hazardous information.

Expiration Information:

The expiry date is guaranteed to be valid for eighteen months from the shipping date provided. For this reason, standards from the same lot may have different expiration dates.

Preparation Date:	**March 21, 2011**
Shipped Date:	OCT 5 2011
Expiration Date:	APR 5 2013
Certificate Issue Date:	**March 30, 2011**

Quality Information:

ISO 17025:2005 Accreditation

PJLA Testing
Accreditation # 49337

ISO Guide 34 (RMP) Accreditation

ACLASS ACCREDITED
REFERENCE MATERIAL PRODUCER
Certificate Number AR-1436

Vanny T. Yib,	**Connie Hayes,**	**Theodore Rains, PhD**
Inorganic Laboratory Manager	**Quality Manager**	**President**

NOTICE: HPS products are intended for laboratory use only. All products should be handled and used by trained professional personnel. The responsibility for the safe handling and use of these products rests solely with the buyer and/or user. The data and information as stated was furnished by the manufacturer of the product. The information provided in this certificate pertains only to the lot number specified. None of the information provided in this certificate may be used, reproduced or transmitted in any form or by any means without written approval from High Purity Standards.

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Certificate of Analysis

rec'd SG 8-24-12

Product Description:

Name:	Mercury	Source Material:	Mercury Metal
Part Number:	**10 33-1**	Material Purity:	99.9998%
Lot Number:	**1221902**	Matrix:	5% (v/v) HNO_3

Certified Value: 10.0 µg/mL ± 0.1 µg/mL

The Certified value is based on gravimetric and volumetric preparation, and confirmed against SRM 3133 (lot number 061204) via inductively coupled plasma optical emission spectrometry (ICP-OES) using an internal laboratory-developed method. The uncertainty in the certified value is calculated for a 95% confidence interval and coverage factor *k* is about 2.

Preparation Information:

The standard solution is prepared using high purity materials and assayed by analytical methods for conformity prior to use. This standard was prepared using the methods developed at NIST for SRM Spectrometric Standard Solutions under appropriate laboratory conditions.

Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 mega ohm deionized water.

Traceability Information:

The traceability of this standard is maintained through an unbroken chain of comparisons to appropriate standards with suitable procedure and measurement uncertainties. The maintenance of the base and derived units of International System of Units (SI) with traceability of measurement results (contemporary metrology) to SI ensures their comparability over time as follows.

a. **Standard Weight and Analytical Balance**
The standard weights (NBS weights Inventory No 20231A) are calibrated every two years by South Carolina Metrology Laboratory that is a participant in "NIST Weights and Measures Measurement Assurance Program" with a certificate of measurement traceability to NIST primary standards.
The balances are calibrated yearly by the ISO 17025 accredited metrology service, and are verified weekly by an in-house method using standard weights.

b. **Volumetric Device**
The calibration of volumetric vessels is checked annually using the NBS 602 method.

c. **Thermometer**
The standard thermometers are calibrated every year by the ISO 17025 accredited metrology service. The thermometers used in-house are verified against the standard thermometers yearly.

d. **Calibration Standards:**
The Calibration Standard is directly traceable to SRM 3100 Series Spectrometric Standard Solutions.

Packaging and Storage Conditions:

The standard is packaged in a pre-cleaned polyethylene bottle. To maintain the integrity of this product, the solution should be kept tightly capped and stored under normal laboratory conditions.

High-Purity Standards is certified to ISO 9001:2008 and accredited to ISO/IEC 17025:2005 and ISO Guide 34:2009.

Refer to Material Safety Datasheet (MSDS) for hazardous information.

Expiration Information:

The expiry date is guaranteed to be valid for twelve months from the shipping date provided. For this reason, standards from the same lot may have different expiration dates.

Preparation Date: August 6, 2012
Shipped Date: AUG 2 0 2012
Expiration Date: AUG 2 0 2013
Certificate Issue Date: August 7, 2012

Quality Information:

ISO/IEC 17025:2005 Accreditation
Certificate Number AT-1529

Vanny T. Yib,
Inorganic Laboratory Manager

Angel Sellers
Quality Manager

NOTICE: HPS products are intended for laboratory use only. All products should be handled and used by trained professional personnel. The responsibility for the safe handling and use of these products rests solely with the buyer and/or user. The data and information as stated was furnished by the manufacturer of the product. The information provided in this certificate pertains only to the lot number specified. None of the information provided in this certificate may be used, reproduced or transmitted in any form or by any means without written approval from High Purity Standards.

High-Purity Standards is certified to ISO 9001:2008 and accredited to ISO/IEC 17025:2005 and ISO Guide 34:2009.

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Certificate of Analysis

Rec'd 3/12/2012 ADS

Product Description:

Name:	ICP Spike 1
Part Number:	**SM-606-101**
	Solution A
Lot Number:	**1206114**
Matrix:	5% HNO_3
Purity:	99.99% - 99.9999%

Certified Values:

Element	(µg/mL)	SRM ID	SRM Lot#	Element	(µg/mL)	SRM ID	SRM Lot#
Al	2000 ± 10	3101a	060502	Fe	1000 ± 5	3126a	051031
As	2000 ± 20	3103a	100818	Pb	500 ± 3	3128	101026
Ba	2000 ± 12	3104a	070222	Mn	500 ± 5	3132	050429
Be	50.0 ± 0.5	3105a	090514	Ni	500.0 ± 2.5	3136	000612
B	1000 ± 5	3107	070514	Se	2000 ± 20	3149	100901
Cd	50.0 ± 0.5	3108	060531	Tl	2000 ± 10	3158	993012
Cr	200 ± 1	3112a	030730	V	500 ± 3	3165	992706
Co	500.0 ± 2.5	3113	000630	Zn	500.0 ± 2.5	3168a	080123
Cu	250.00 ± 1.3	3114	011017				

The Certified values are based on gravimetric and volumetric preparation, and verified against SRM 3100 series developed by National Institute of Standards and Technology (NIST) via inductively coupled plasma optical emission spectrometry (ICP-OES) using an internal laboratory developed method. The uncertainty in the certified value is calculated for a 95% confidence interval and coverage factor *k* is about 2.

Preparation Information:

Custom standard is generally prepared from single element standard solutions that are ISO Guide 34 certified reference materials. Highest purity source materials were purchased from qualified vendors per ISO 9001:2008 guidelines and assayed by ICP-OES for conformity prior to use. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water.

High-Purity Standards is certified to ISO 9001:2008 and accredited to ISO/IEC 17025:2005 and ISO Guide 34:2009.

Traceability Information:

The traceability of this standard is maintained through an unbroken chain of comparisons to appropriate standards with suitable procedure and measurement uncertainties.

a. **Analytical Balance Calibration**: All balances are calibrated weekly by an in-house method using NBS weights Inventory No 20231A. The balances are calibrated yearly and the calibration weights are checked biennially by a qualified metrology company with weights traceable to the primary standards developed by NIST.

b. **Volumetric Device Calibration**: The calibration of all volumetric vessels is checked using the NBS 602 method where all vessels are weighed to five significant figures.

c. **Calibration Standards**: The Calibration Standards are directly traceable to SRM 3100 Series Spectrometric Standard Solutions.

Packaging and Storage Conditions:

The standard is packaged in a pre-cleaned polyethylene bottle. To maintain the integrity of this product, the solution should be kept tightly capped and stored under normal laboratory conditions. The expiry date is guaranteed to be valid for twelve months from the shipping date provided. For this reason, standards from the same lot may have different expiration dates.

Refer to attached Material Safety Datasheet (MSDS) for hazardous information.

Expiration Information:

Preparation Date: March 1, 2012

Shipped Date: MAR 0 6 2012

Expiration Date: MAR 0 6 2013

Vanny T. Yib, Inorganic Laboratory Manager

ACCLASS ACCREDITED TESTING

ISO/IEC 17025:2005 Accreditation
Certificate Number AT-1529

Connie Hayes

Connie Hayes, Chief Executive Officer

March 6, 2012

Certificate Issue Date

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High-Purity Standards is certified to ISO 9001:2008 and accredited to ISO/IEC 17025:2005 and ISO Guide 34:2009.

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Certificate of Analysis

Rec'd 3/12/2012 ADS

Product Description:

Name:	ICP Spike 1
Part Number:	**SM-606-101** Solution B
Lot Number:	**1206115**
Matrix:	5% HNO_3 + 0.5% HF
Purity:	99.98% - 99.9999%

Certified Values:

Element	(µg/mL)	SRM ID	SRM Lot#	Element	(µg/mL)	SRM ID	SRM Lot#
Sb	500 ± 3	3102a	061229	Sn	2000 ± 12	3161a	070330
Mo	1000 ± 6	3134	891307	Ti	1000 ± 6	3162a	060808

The Certified values are based on gravimetric and volumetric preparation, and verified against SRM 3100 series developed by National Institute of Standards and Technology (NIST) via inductively coupled plasma optical emission spectrometry (ICP-OES) using an internal laboratory developed method. The uncertainty in the certified value is calculated for a 95% confidence interval and coverage factor *k* is about 2.

Preparation Information:

Custom standard is generally prepared from single element standard solutions that are ISO Guide 34 certified reference materials. Highest purity source materials were purchased from qualified vendors per ISO 9001:2008 guidelines and assayed by ICP-OES for conformity prior to use. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water.

Traceability Information:

The traceability of this standard is maintained through an unbroken chain of comparisons to appropriate standards with suitable procedure and measurement uncertainties.

a. **Analytical Balance Calibration**: All balances are calibrated weekly by an in-house method using NBS weights Inventory No 20231A. The balances are calibrated yearly and the calibration weights are checked biennially by a qualified metrology company with weights traceable to the primary standards developed by NIST.

High-Purity Standards is certified to ISO 9001:2008 and accredited to ISO/IEC 17025:2005 and ISO Guide 34:2009.

b. **Volumetric Device Calibration**: The calibration of all volumetric vessels is checked using the NBS 602 method where all vessels are weighed to five significant figures.

c. **Calibration Standards**: The Calibration Standards are directly traceable to SRM 3100 Series Spectrometric Standard Solutions.

Packaging and Storage Conditions:

The standard is packaged in a pre-cleaned polyethylene bottle. To maintain the integrity of this product, the solution should be kept tightly capped and stored under normal laboratory conditions. The expiry date is guaranteed to be valid for twelve months from the shipping date provided. For this reason, standards from the same lot may have different expiration dates.

Refer to attached Material Safety Datasheet (MSDS) for hazardous information.

Expiration Information:

Preparation Date: March 1, 2012

Shipped Date: MAR 0 6 2012

Expiration Date: MAR 0 6 2013

Vanny T. Yib, Inorganic Laboratory Manager

ACLASS ACCREDITED TESTING

ISO/IEC 17025:2005 Accreditation
Certificate Number AT-1529

Connie Hayes, Chief Executive Officer

March 6, 2012

Certificate Issue Date

NOTICE: HPS products are intended for laboratory use only. All products should be handled and used by trained professional personnel. The responsibility for the safe handling and use of these products rests solely with the buyer and/or user. The data and information as stated was furnished by the manufacturer of the product. The information provided in this certificate pertains only to the lot number specified. None of the information provided in this certificate may be used, reproduced or transmitted in any form or by any means without written approval from High Purity Standards.

High-Purity Standards is certified to ISO 9001:2008 and accredited to ISO/IEC 17025:2005 and ISO Guide 34:2009.

HIGH-PURITY STANDARDS
www.highpuritystandards.com

P.O. Box 41727
Charleston, SC 29423
Phone (843) 767-7900
Fax (843) 767-7906

Certificate of Analysis

Rec'd 4/16/2012 ADS

Product Description:

Name:	ICP Spike Odds
Part Number:	**SM-606-121**
Lot Number:	**1210111**
Matrix:	2% HNO_3
Purity:	99.999%

Certified Values:

Element	(µg/mL)	SRM ID	SRM Lot#	Element	(µg/mL)	SRM ID	SRM Lot#
Li	1000 ± 6	3129a	000505	Sr	1000 ± 5	3153a	990906
Si	1000 ± 10	3150	071204				

The Certified values are based on gravimetric and volumetric preparation, and verified against SRM 3100 series developed by National Institute of Standards and Technology (NIST) via inductively coupled plasma optical emission spectrometry (ICP-OES) using an internal laboratory developed method. The uncertainty in the certified value is calculated for a 95% confidence interval and coverage factor *k* is about 2.

Preparation Information:

Custom standard is generally prepared from single element standard solutions that are ISO Guide 34 certified reference materials. Highest purity source materials were purchased from qualified vendors per ISO 9001:2008 guidelines and assayed by ICP-OES for conformity prior to use. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water.

Traceability Information:

The traceability of this standard is maintained through an unbroken chain of comparisons to appropriate standards with suitable procedure and measurement uncertainties.

a. **Analytical Balance Calibration**: All balances are calibrated weekly by an in-house method using NBS weights Inventory No 20231A. The balances are calibrated yearly and the calibration weights are checked biennially by a qualified metrology company with weights traceable to the primary standards developed by NIST.

High-Purity Standards is certified to ISO 9001:2008 and accredited to ISO/IEC 17025:2005 and ISO Guide 34:2009.

b. **Volumetric Device Calibration**: The calibration of all volumetric vessels is checked using the NBS 602 method where all vessels are weighed to five significant figures.

c. **Calibration Standards**: The Calibration Standards are directly traceable to SRM 3100 Series Spectrometric Standard Solutions.

Packaging and Storage Conditions:

The standard is packaged in a pre-cleaned polyethylene bottle. To maintain the integrity of this product, the solution should be kept tightly capped and stored under normal laboratory conditions. The expiry date is guaranteed to be valid for twelve months from the shipping date provided. For this reason, standards from the same lot may have different expiration dates.

Refer to attached Material Safety Datasheet (MSDS) for hazardous information.

Expiration Information:

Preparation Date: April 10, 2012

Shipped Date: APR 1 2 2012

Expiration Date: APR 1 2 2013

Vanny T. Yib, Inorganic Laboratory Manager

ACLASS ACCREDITED TESTING

ISO/IEC 17025:2005 Accreditation
Certificate Number AT-1529

Connie Hayes, Chief Executive Officer

April 12, 2012

Certificate Issue Date

NOTICE: HPS products are intended for laboratory use only. All products should be handled and used by trained professional personnel. The responsibility for the safe handling and use of these products rests solely with the buyer and/or user. The data and information as stated was furnished by the manufacturer of the product. The information provided in this certificate pertains only to the lot number specified. None of the information provided in this certificate may be used, reproduced or transmitted in any form or by any means without written approval from High Purity Standards.

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Charleston, SC 29423
Phone (843) 767-7900
Fax (843) 767-7906

Rec'd 7-26-12 KM

Certificate of Analysis

Product Description:

Name:	NON RCRA
Part Number:	**SM-606-078**
Lot Number:	**1219916**
Matrix:	2% HNO_3 + Tr HF
Purity:	99.98% - 99.9999%

Certified Values:

Element	(µg/mL)	SRM ID	SRM Lot#	Element	(µg/mL)	SRM ID	SRM Lot#
Al	100.0 ± 0.5	3101a	060502	Mn	25.00 ± 0.25	3132	050429
Sb	25.00 ± 0.15	3102a	061229	Mo	50.0 ± 0.3	3134	891307
Be	2.50 ± 0.03	3105a	090514	Ni	25.00 ± 0.13	3136	000612
B	50.00 ± 0.25	3107	070514	Tl	100.0 ± 0.5	3158	993012
Co	25.00 ± 0.13	3113	000630	Sn	100.0 ± 0.6	3161a	070330
Cu	12.5 ± 0.06	3114	011017	V	25.00 ± 0.15	3165	992706
Fe	50.00 ± 0.25	3126a	051031	Zn	25.00 ± 0.13	3168a	080123

The Certified values are based on gravimetric and volumetric preparation, and verified against SRM 3100 series developed by National Institute of Standards and Technology (NIST) via inductively coupled plasma optical emission spectrometry (ICP-OES) using an internal laboratory developed method. The uncertainty in the certified value is calculated for a 95% confidence interval and coverage factor *k* is about 2

* Refer to Traceability Information, Section d

Preparation Information:

The standard is generally prepared from single element standard solutions that are ISO Guide 34 certified reference materials. Highest purity source materials were purchased from qualified vendors per ISO 9001:2008 guidelines and assayed by ICP-OES for conformity prior to use. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water.

Traceability Information:

The traceability of this standard is maintained through an unbroken chain of comparisons to appropriate standards with suitable procedure and measurement uncertainties. The maintenance of the base and derived units of International System of Units (SI) with traceability of measurement results (contemporary metrology) to SI ensures their comparability over time as follows.

a. **Standard Weight and Analytical Balance**
The standard weights (NBS weights Inventory No 20231A) are calibrated every two years by South Carolina Metrology Laboratory that is a participant in "NIST Weights and Measures Measurement Assurance Program" with a certificate of measurement traceability to NIST primary standards.

High-Purity Standards is certified to ISO 9001:2008 and accredited to ISO/IEC 17025:2005 and ISO Guide 34:2009.

The balances are calibrated yearly by the ISO 17025 accredited metrology service, and are verified weekly by an in-house method using standard weights.

b. **Volumetric Device**
The calibration of volumetric vessels is checked annually using the NBS 602 method.

c. **Thermometer**
The standard thermometers are calibrated every year by the ISO 17025 accredited metrology service. The thermometers used in-house are verified against the standard thermometers yearly.

d. **Calibration Standards**
The Calibration Standards are traceable to SRM 3100 Series Spectrometric Standard Solutions or second sources.

Packaging and Storage Conditions:

The standard is packaged in a pre-cleaned polyethylene bottle. To maintain the integrity of this product, the solution should be kept tightly capped and stored under normal laboratory conditions.

Refer to Material Safety Datasheet (MSDS) for hazardous information.

Expiration Information:

The expiry date is guaranteed to be valid for twelve months from the shipping date provided. For this reason, standards from the same lot may have different expiration dates.

Preparation Date: July 17, 2012
Shipped Date: JUL 19 2012
Expiration Date: JUL 19 2013
Certificate Issue Date: July 18, 2012

Quality Information:

ACLASS ACCREDITED TESTING

ISO/IEC 17025:2005 Accreditation
Certificate Number AT-1529

Vanny T. Yib,
Inorganic Laboratory Manager

Angel Sellers
Quality Manager

NOTICE: HPS products are intended for laboratory use only. All products should be handled and used by trained professional personnel. The responsibility for the safe handling and use of these products rests solely with the buyer and/or user. The data and information as stated was furnished by the manufacturer of the product. The information provided in this certificate pertains only to the lot number specified. None of the information provided in this certificate may be used, reproduced or transmitted in any form or by any means without written approval from High Purity Standards.

High-Purity Standards is certified to ISO 9001:2008 and accredited to ISO/IEC 17025:2005 and ISO Guide 34:2009.

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Fax (843) 767-7906

Rec'd 7-26-12 KL

Certificate of Analysis

Product Description:

Part Number:	**SM-606-080**
Lot Number:	**1219932**
Matrix:	2% HNO_3
Purity:	99.995% - 99.9995%

Certified Values:

Element	(mg/L)	SRM ID	SRM Lot#	Element	(mg/L)	SRM ID	SRM Lot#
As	500 ± 5	3103a	100818	Pb	500 ± 3	3128	101026
Ba	5000 ± 30	3104a	070222	Se	100 ± 1	3149	100901
Cd	100.0 ± 0.5	3108	060531	Ag	100.0 ± 0.5	3151	992212
Cr	500 ± 2.5	3112a	030730				

The Certified values are based on gravimetric and volumetric preparation, and verified against SRM 3100 series developed by National Institute of Standards and Technology (NIST) via inductively coupled plasma optical emission spectrometry (ICP-OES) using an internal laboratory developed method. The uncertainty in the certified value is calculated for a 95% confidence interval and coverage factor *k* is about 2

* Refer to Traceability Information, Section d

Preparation Information:

The standard is generally prepared from single element standard solutions that are ISO Guide 34 certified reference materials. Highest purity source materials were purchased from qualified vendors per ISO 9001:2008 guidelines and assayed by ICP-OES for conformity prior to use. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water.

Traceability Information:

The traceability of this standard is maintained through an unbroken chain of comparisons to appropriate standards with suitable procedure and measurement uncertainties. The maintenance of the base and derived units of International System of Units (SI) with traceability of measurement results (contemporary metrology) to SI ensures their comparability over time as follows.

a. **Standard Weight and Analytical Balance**
The standard weights (NBS weights Inventory No 20231A) are calibrated every two years by South Carolina Metrology Laboratory that is a participant in "NIST Weights and Measures Measurement Assurance Program" with a certificate of measurement traceability to NIST primary standards.
The balances are calibrated yearly by the ISO 17025 accredited metrology service, and are verified weekly by an in-house method using standard weights.

b. **Volumetric Device**
The calibration of volumetric vessels is checked annually using the NBS 602 method.

High-Purity Standards is certified to ISO 9001:2008 and accredited to ISO/IEC 17025:2005 and ISO Guide 34:2009.

c. **Thermometer**
The standard thermometers are calibrated every year by the ISO 17025 accredited metrology service. The thermometers used in-house are verified against the standard thermometers yearly.

d. **Calibration Standards**
The Calibration Standards are traceable to SRM 3100 Series Spectrometric Standard Solutions or second sources.

Packaging and Storage Conditions:

The standard is packaged in a pre-cleaned polyethylene bottle. To maintain the integrity of this product, the solution should be kept tightly capped and stored under normal laboratory conditions.

Refer to Material Safety Datasheet (MSDS) for hazardous information.

Expiration Information:

The expiry date is guaranteed to be valid for twelve months from the shipping date provided. For this reason, standards from the same lot may have different expiration dates.

Preparation Date: July 17, 2012
Shipped Date: JUL 19 2012
Expiration Date: JUL 19 2013
Certificate Issue Date: July 18, 2012

Quality Information:

ACLASS ACCREDITED TESTING

ISO/IEC 17025:2005 Accreditation
Certificate Number AT-1529

Vanny T. Yib,
Inorganic Laboratory Manager

Angel Sellers
Quality Manager

NOTICE: HPS products are intended for laboratory use only. All products should be handled and used by trained professional personnel. The responsibility for the safe handling and use of these products rests solely with the buyer and/or user. The data and information as stated was furnished by the manufacturer of the product. The information provided in this certificate pertains only to the lot number specified. None of the information provided in this certificate may be used, reproduced or transmitted in any form or by any means without written approval from High Purity Standards.

High-Purity Standards is certified to ISO 9001:2008 and accredited to ISO/IEC 17025:2005 and ISO Guide 34:2009.

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Charleston, SC 29423
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Certificate of Analysis

Rec'd 3/23/2012 ADS

Product Description:

Name:	Tr Cal/CCV 2
Part Number:	**SM-606-067**
Lot Number:	**1207637**
Matrix:	5% HNO_3
Purity:	99.999% - 99.9999%

Certified Values:

Element	(mg/L)	SRM ID	SRM Lot#	Element	(mg/L)	SRM ID	SRM Lot#
As	1000 ± 10	3101a	060502	Se	1000 ± 10	3149	100901
Cd	1000 ± 5	3108	060531	Tl	2000 ± 10	3158	993012
Pb	1000 ± 6	3128	101026				

The Certified values are based on gravimetric and volumetric preparation, and verified against SRM 3100 series developed by National Institute of Standards and Technology (NIST) via inductively coupled plasma optical emission spectrometry (ICP-OES) using an internal laboratory developed method. The uncertainty in the certified value is calculated for a 95% confidence interval and coverage factor *k* is about 2.

Preparation Information:

Custom standard is generally prepared from single element standard solutions that are ISO Guide 34 certified reference materials. Highest purity source materials were purchased from qualified vendors per ISO 9001:2008 guidelines and assayed by ICP-OES for conformity prior to use. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water.

Traceability Information:

The traceability of this standard is maintained through an unbroken chain of comparisons to appropriate standards with suitable procedure and measurement uncertainties.

a. **Analytical Balance Calibration**: All balances are calibrated weekly by an in-house method using NBS weights Inventory No 20231A. The balances are calibrated yearly and the calibration weights are checked biennially by a qualified metrology company with weights traceable to the primary standards developed by NIST.

High-Purity Standards is certified to ISO 9001:2008 and accredited to ISO/IEC 17025:2005 and ISO Guide 34:2009.

b. **Volumetric Device Calibration**: The calibration of all volumetric vessels is checked using the NBS 602 method where all vessels are weighed to five significant figures.

c. **Calibration Standards**: The Calibration Standards are directly traceable to SRM 3100 Series Spectrometric Standard Solutions.

Packaging and Storage Conditions:

The standard is packaged in a pre-cleaned polyethylene bottle. To maintain the integrity of this product, the solution should be kept tightly capped and stored under normal laboratory conditions. The expiry date is guaranteed to be valid for twelve months from the shipping date provided. For this reason, standards from the same lot may have different expiration dates.

Refer to attached Material Safety Datasheet (MSDS) for hazardous information.

Expiration Information:

Preparation Date: March 16, 2012

Shipped Date: MAR 2 1 2012

Expiration Date: MAR 2 1 2013

Vanny T. Yib

Vanny T. Yib, Inorganic Laboratory Manager

ACLASS ACCREDITED TESTING

ISO/IEC 17025:2005 Accreditation
Certificate Number AT-1529

Connie Hayes

Connie Hayes, Chief Executive Officer

March 20, 2012

Certificate Issue Date

NOTICE: HPS products are intended for laboratory use only. All products should be handled and used by trained professional personnel. The responsibility for the safe handling and use of these products rests solely with the buyer and/or user. The data and information as stated was furnished by the manufacturer of the product. The information provided in this certificate pertains only to the lot number specified. None of the information provided in this certificate may be used, reproduced or transmitted in any form or by any means without written approval from High Purity Standards.

High-Purity Standards is certified to ISO 9001:2008 and accredited to ISO/IEC 17025:2005 and ISO Guide 34:2009.

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Fax (843) 767-7906

Certificate of Analysis

rec'd 7-31-12 SG

Product Description:

Name:	Tr Cal/CCV 4
Part Number:	**SM-606-070**
Lot Number:	**1220911**
Matrix:	4% HNO_3 + Tr HF
Purity:	99.98% - 99.9999%

Certified Values:

Element	(µg/mL)	SRM ID	SRM Lot#	Element	(µg/mL)	* SRM ID	SRM Lot#
Ba	1000 ± 6	3104a	070222	Mn	1000 ± 10	3132	050429
Be	1000 ± 10	3105a	090514	Mo	1000 ± 6	3134	891307
Cr	1000 ± 5	3112a	030730	Ni	1000 ± 5	3136	000612
Co	1000 ± 5	3113	000630	V	1000 ± 6	3165	992706
Cu	1000 ± 5	3114	011017	Zn	1000 ± 5	3168a	080123

The Certified values are based on gravimetric and volumetric preparation, and verified against SRM 3100 series developed by National Institute of Standards and Technology (NIST) via inductively coupled plasma optical emission spectrometry (ICP-OES) using an internal laboratory developed method. The uncertainty in the certified value is calculated for a 95% confidence interval and coverage factor *k* is about 2

* Refer to Traceability Information, Section d

Preparation Information:

The standard is generally prepared from single element standard solutions that are ISO Guide 34 certified reference materials. Highest purity source materials were purchased from qualified vendors per ISO 9001:2008 guidelines and assayed by ICP-OES for conformity prior to use. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water.

Traceability Information:

The traceability of this standard is maintained through an unbroken chain of comparisons to appropriate standards with suitable procedure and measurement uncertainties. The maintenance of the base and derived units of International System of Units (SI) with traceability of measurement results (contemporary metrology) to SI ensures their comparability over time as follows.

a. **Standard Weight and Analytical Balance**
The standard weights (NBS weights Inventory No 2023IA) are calibrated every two years by South Carolina Metrology Laboratory that is a participant in "NIST Weights and Measures Measurement Assurance Program" with a certificate of measurement traceability to NIST primary standards.
The balances are calibrated yearly by the ISO 17025 accredited metrology service, and are verified weekly by an in-house method using standard weights.

High-Purity Standards is certified to ISO 9001:2008 and accredited to ISO/IEC 17025:2005 and ISO Guide 34:2009.

b. **Volumetric Device**
The calibration of volumetric vessels is checked annually using the NBS 602 method.

c. **Thermometer**
The standard thermometers are calibrated every year by the ISO 17025 accredited metrology service. The thermometers used in-house are verified against the standard thermometers yearly.

d. **Calibration Standards**
The Calibration Standards are traceable to SRM 3100 Series Spectrometric Standard Solutions or second sources.

Packaging and Storage Conditions:

The standard is packaged in a pre-cleaned polyethylene bottle. To maintain the integrity of this product, the solution should be kept tightly capped and stored under normal laboratory conditions.

Refer to Material Safety Datasheet (MSDS) for hazardous information.

Expiration Information:

The expiry date is guaranteed to be valid for twelve months from the shipping date provided. For this reason, standards from the same lot may have different expiration dates.

Preparation Date: July 27, 2012
Shipped Date: JUL 30 2012
Expiration Date: JUL 30 2013
Certificate Issue Date: July 30, 2012

Quality Information:

ACLASS ACCREDITED TESTING

ISO/IEC 17025:2005 Accreditation
Certificate Number AT-1529

Vanny T. Yib,
Inorganic Laboratory Manager

Angel Sellers
Quality Manager

NOTICE: HPS products are intended for laboratory use only. All products should be handled and used by trained professional personnel. The responsibility for the safe handling and use of these products rests solely with the buyer and/or user. The data and information as stated was furnished by the manufacturer of the product. The information provided in this certificate pertains only to the lot number specified. None of the information provided in this certificate may be used, reproduced or transmitted in any form or by any means without written approval from High Purity Standards.

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Charleston, SC 29423
Phone (843) 767-7900
Fax (843) 767-7906

Rec'd 7-26-12 lm

Certificate of Analysis

Product Description:

Name:	Tr Cal/CCV 5
Part Number:	**SM-606-072**
Lot Number:	**1219933**
Matrix:	2% HNO_3 + 0.5% HF
Purity:	99.98% - 99.9999%

Certified Values:

Element	(mg/L)	SRM ID	SRM Lot#	Element	(mg/L)	SRM ID	SRM Lot#
Sb	100.0 ± 0.6	3102a	061229	Sn	1000 ± 6	3161a	070330
B	1000 ± 5	3107	070514	Ti	1000 ± 6	3162a	060808
Ag	200 ± 1	3151	992212				

The Certified values are based on gravimetric and volumetric preparation, and verified against SRM 3100 series developed by National Institute of Standards and Technology (NIST) via inductively coupled plasma optical emission spectrometry (ICP-OES) using an internal laboratory developed method. The uncertainty in the certified value is calculated for a 95% confidence interval and coverage factor *k* is about 2
* Refer to Traceability Information, Section d

Preparation Information:

The standard is generally prepared from single element standard solutions that are ISO Guide 34 certified reference materials. Highest purity source materials were purchased from qualified vendors per ISO 9001:2008 guidelines and assayed by ICP-OES for conformity prior to use. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water.

Traceability Information:

The traceability of this standard is maintained through an unbroken chain of comparisons to appropriate standards with suitable procedure and measurement uncertainties. The maintenance of the base and derived units of International System of Units (SI) with traceability of measurement results (contemporary metrology) to SI ensures their comparability over time as follows.

a. **Standard Weight and Analytical Balance**
The standard weights (NBS weights Inventory No 20231A) are calibrated every two years by South Carolina Metrology Laboratory that is a participant in "NIST Weights and Measures Measurement Assurance Program" with a certificate of measurement traceability to NIST primary standards.
The balances are calibrated yearly by the ISO 17025 accredited metrology service, and are verified weekly by an in-house method using standard weights.

b. **Volumetric Device**
The calibration of volumetric vessels is checked annually using the NBS 602 method.

ire calibrated every year by the ISO 17025 accredited metrology service. The are verified against the standard thermometers yearly.

e traceable to SRM 3100 Series Spectrometric Standard Solutions or second

tions:

re-cleaned polyethylene bottle. To maintain the integrity of this product, the ped and stored under normal laboratory conditions.

sheet (MSDS) for hazardous information.

be valid for twelve months from the shipping date provided. For this reason, ave different expiration dates.

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9 2013

ly 18, 2012

ion

Angel Sellers
Quality Manager

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Certificate of Analysis

rec'd 7-31-12 SG

Product Description:

Name:	CAL 1/CRI 2
Part Number:	**SM-606-033**
Lot Number:	**1220822**
Matrix:	5% HNO_3 + Tr HF
Purity:	99.96% - 99.9999%

Certified Values:

Element	(µg/mL)	SRM ID	SRM Lot#	Element	(µg/mL)	SRM ID	SRM Lot#
Al	20.0 ± 0.1	3101a	060502	Mg	500.0 ± 2.5	3131a	050302
Sb	1.00 ± 0.01	3102a	061229	Mn	1.50 ± 0.02	3132	050429
As	1.50 ± 0.02	3103a	100818	Mo	1.00 ± 0.01	3134	891307
Ba	1.00 ± 0.01	3104a	070222	Ni	2.50 ± 0.01	3136	000612
Be	0.500 ± 0.005	3105a	090514	K	500.0 ± 2.5	3141a	051220
B	20.0 ± 0.1	3107	070514	Se	2.00 ± 0.02	3149	100901
Cd	0.500 ± 0.005	3108	060531	Ag	0.500 ± 0.005	3151	992212
Ca	500.0 ± 2.5	3109a	050825	Na	500.0 ± 2.5	3152a	010728
Cr	0.500 ± 0.005	3112a	030730	Tl	1.50 ± 0.01	3158	993012
Co	0.500 ± 0.005	3113	000630	Sn	10.00 ± 0.06	3161a	070330
Cu	1.50 ± 0.02	3114	011017	Ti	5.00 ± 0.03	3162a	060808
Fe	30.00 ± 0.15	3126a	051031	V	0.700 ± 0.007	3165	992706
Pb	1.00 ± 0.01	3128	101026	Zn	4.00 ± 0.02	3168a	080123

The Certified values are based on gravimetric and volumetric preparation, and verified against SRM 3100 series developed by National Institute of Standards and Technology (NIST) via inductively coupled plasma optical emission spectrometry (ICP-OES) using an internal laboratory developed method. The uncertainty in the certified value is calculated for a 95% confidence interval and coverage factor *k* is about 2

* Refer to Traceability Information, Section d

Preparation Information:

The standard is generally prepared from single element standard solutions that are ISO Guide 34 certified reference materials. Highest purity source materials were purchased from qualified vendors per ISO 9001:2008 guidelines and assayed by ICP-OES for conformity prior to use. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water.

Traceability Information:

The traceability of this standard is maintained through an unbroken chain of comparisons to appropriate standards with suitable procedure and measurement uncertainties. The maintenance of the base and derived

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units of International System of Units (SI) with traceability of measurement results (contemporary metrology) to SI ensures their comparability over time as follows.

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The balances are calibrated yearly by the ISO 17025 accredited metrology service, and are verified weekly by an in-house method using standard weights.

b. **Volumetric Device**
The calibration of volumetric vessels is checked annually using the NBS 602 method.

c. **Thermometer**
The standard thermometers are calibrated every year by the ISO 17025 accredited metrology service. The thermometers used in-house are verified against the standard thermometers yearly.

d. **Calibration Standards**
The Calibration Standards are traceable to SRM 3100 Series Spectrometric Standard Solutions or second sources.

Packaging and Storage Conditions:

The standard is packaged in a pre-cleaned polyethylene bottle. To maintain the integrity of this product, the solution should be kept tightly capped and stored under normal laboratory conditions.

Refer to Material Safety Datasheet (MSDS) for hazardous information.

Expiration Information:

The expiry date is guaranteed to be valid for twelve months from the shipping date provided. For this reason, standards from the same lot may have different expiration dates.

Preparation Date: July 26, 2012
Shipped Date: JUL 30 2012
Expiration Date: JUL 30 2013
Certificate Issue Date: July 26, 2012

Quality Information:

ACLASS ACCREDITED TESTING

ISO/IEC 17025:2005 Accreditation
Certificate Number AT-1529

Vanny T. Yib,
Inorganic Laboratory Manager

Angel Sellers
Quality Manager

NOTICE: HPS products are intended for laboratory use only. All products should be handled and used by trained professional personnel. The responsibility for the safe handling and use of these products rests solely with the buyer and/or user. The data and information as stated was furnished by the manufacturer of the product. The information provided in this certificate pertains only to the lot number specified. None of the information provided in this certificate may be used, reproduced or transmitted in any form or by any means without written approval from High Purity Standards.

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info@inorganicventures.com

CERTIFICATE OF ANALYSIS

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 383.02

2.0 **DESCRIPTION OF CRM**

	Stock Solution
Catalog No.:	CLPP-ICS-A
Lot Number:	**E2-MEB348035**
Matrix:	2% HNO3(v/v)

BLD
RECD
3/14/12

5,000 µg/mL ea:
Al, Ca, Mg,

2,000 µg/mL ea:
Fe

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Aluminum, Al	5,006 ± 14 µg/mL	Calcium, Ca	5,006 ± 25 µg/mL	Iron, Fe	2,002 ± 6 µg/mL
Magnesium, Mg	5,006 ± 24 µg/mL				

Certified Density: 1.086 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

($\bar{x}$) = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors
(Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 **TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS**

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)
· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

INORGANIC VENTURES™

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CERTIFICATE OF ANALYSIS

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 383.02

2.0 **DESCRIPTION OF CRM** Stock Solution

Catalog No.: CLPP-ICS-A

Lot Number: **E2-MEB348035**

Matrix: 2% HNO3(v/v)

RECD BLD 3/14/12

5,000 µg/mL ea:
Al, Ca, Mg,

2,000 µg/mL ea:
Fe

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Aluminum, Al	5,006 ± 14 µg/mL	Calcium, Ca	5,006 ± 25 µg/mL	Iron, Fe	2,002 ± 6 µg/mL
Magnesium, Mg	5,006 ± 24 µg/mL				

Certified Density: 1.086 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$$

($\bar{x}$) = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors
(Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 **TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS**

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)
· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 ASSAY INFORMATION

ELEMENT	METHOD	NIST SRM#	SRM LOT#	ELEMENT	METHOD	NIST SRM#	SRM LOT#
Al	ICP Assay	3101a	060502	Al	EDTA	928	928
Ca	ICP Assay	3109a	050825	Ca	EDTA	928	928
Fe	ICP Assay	3126a	051031	Fe	EDTA	928	928
Mg	ICP Assay	3131a	050302	Mg	EDTA	928	928

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES IN µg/mL

Custom-Grade solutions are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

s	Al		M	Dy	< 0.005995	O	Li	0.018000	M	Pr	< 0.000300	M	Te	< 0.029973
M	Sb	< 0.000500	M	Er	< 0.004995	M	Lu	< 0.000400	M	Re	< 0.000999	M	Tb	< 0.000300
M	As	< 0.009991	M	Eu	< 0.002997	s	Mg		M	Rh	< 0.000999	M	Tl	< 0.000999
O	Ba	0.003000	M	Gd	< 0.000999	O	Mn	< 0.000030	M	Rb	< 0.000999	M	Th	< 0.000999
O	Be	< 0.000600	M	Ga	< 0.000999	O	Hg	< 0.015000	M	Ru	< 0.001998	M	Tm	< 0.000400
M	Bi	< 0.000400	i	Ge		M	Mo	< 0.001998	M	Sm	< 0.000999	M	Sn	< 0.004995
O	B	< 0.000600	O	Au	< 0.003000	M	Nd	< 0.001998	O	Sc	< 0.000023	O	Ti	< 0.001300
M	Cd	< 0.002997	M	Hf	< 0.001998	O	Ni	< 0.002300	O	Se	< 0.050000	M	W	< 0.009991
s	Ca		M	Ho	< 0.000500	M	Nb	< 0.000500	O	Si	< 0.003400	M	U	< 0.001998
O	Ce	< 0.006000	M	In	< 0.009991	n	Os		O	Ag	< 0.006700	O	V	< 0.002700
M	Cs	< 0.000300	M	Ir	< 0.004995	M	Pd	< 0.004995	O	Na	0.020000	M	Yb	< 0.000999
O	Cr	< 0.001500	s	Fe		O	P	< 0.002500	O	Sr	0.013000	O	Y	< 0.000700
O	Co	< 0.001200	M	La	< 0.000500	M	Pt	< 0.001998	O	S	< 0.025000	M	Zn	0.010990
O	Cu	< 0.003000	M	Pb	< 0.002997	O	K	< 0.005000	M	Ta	< 0.006994	M	Zr	< 0.004995

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Electrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep **Tightly** sealed when not in use. Store and use at 20 ± 4°C. **Do Not** pipette from the container. **Do Not** return portions removed from pipetting to container.

Element Specific Information - For specific information regarding any element: Contact technical staff.

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to in-house procedure IV-MPM-004 and is guaranteed to be homogeneous.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 **ISO 9001 Quality Management System Registration**
- QMI Certificate Number 010105

10.2 **ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"**
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 **ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"**
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 **10CFR50 Appendix B - Nuclear Regulatory Commission**
- Domestic Licensing of Production and Utilization Facilities

10.5 **10CFR21 - Nuclear Regulatory Commission**
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability. Transpiration studies of chemically-stable solutions performed at the manufacturer's facility show a CRM shelf-life of twenty one months for solutions packaged in 125-mL low density polyethylene bottles. When stored under special conditions that minimize transpiration and instability, the shelf life can be extended past this limit.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

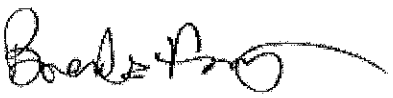
11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: February 17, 2011

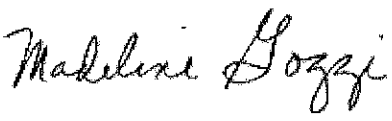
Expiration Date: EXPIRES 01 APR 2013

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By: Brenda Francis, Product Documentation Technician



Certificate Approved By: Madeline Gozzi, Quality Control Supervisor



Certifying Officer: Paul Gaines, PhD., Senior Technical Director

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CERTIFICATE OF ANALYSIS

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 863.01 ACCREDITED Reference Material Producer Certificate 863.02

rcv'd 6-13-12 WM

2.0 **DESCRIPTION OF CRM** Stock Solution

Catalog No.: CLPP-ICS-A

Lot Number: **F2-MEB414132**

Matrix: 2% HNO3(v/v)

5,000 µg/mL ea:
Al, Ca, Mg,

2,000 µg/mL ea:
Fe

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Aluminum, Al	5,000 ± 35 µg/mL	Calcium, Ca	5,000 ± 32 µg/mL	Iron, Fe	2,000 ± 10 µg/mL
Magnesium, Mg	5,000 ± 33 µg/mL				

Certified Density: 1.085 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\sum x_i}{n}$ ($\bar{x}$) = mean

x_i = individual results

n = number of measurements

Uncertainty $(\pm) = 2\,[\,\Sigma(s_i)^2\,]^{1/2}$ 2 = the coverage factor.

$[\,\Sigma(s_i)^2\,]^{1/2}$ = The square root of the sum of the squares of the most common errors (where 's' stands for the standard deviation) from instrumental measurement, density, NIST SRM uncertainty, weighing, dilution to volume, homogeneity, long term stability and short term stability.

4.0 TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 ASSAY INFORMATION

ELEMENT	METHOD	NIST SRM#	SRM LOT#	ELEMENT	METHOD	NIST SRM#	SRM LOT#
Al	ICP Assay	3101a	060502	Al	EDTA	928	928
Ca	ICP Assay	3109a	050825	Ca	EDTA	928	928
Fe	ICP Assay	3126a	051031	Fe	EDTA	928	928
Mg	ICP Assay	3131a	050302	Mg	EDTA	928	928

4.2 **BALANCE CALIBRATION -** All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION -** All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION -** An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES IN µg/mL

Custom-Grade solutions are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

s	Al	M	Dy < 0.006003	O	Li 0.016000	M	Pr < 0.000300	M	Te < 0.030013
M	Sb < 0.000500	M	Er < 0.005002	M	Lu < 0.000400	M	Re < 0.001000	M	Tb < 0.000300
M	As < 0.010004	M	Eu < 0.003001	s	Mg	M	Rh < 0.001000	M	Tl < 0.001000
O	Ba < 0.000300	M	Gd < 0.001000	O	Mn < 0.000030	M	Rb < 0.001000	M	Th < 0.001000
O	Be < 0.000600	M	Ga < 0.001000	O	Hg < 0.015000	M	Ru < 0.002001	M	Tm < 0.000400
M	Bi 0.007003	i	Ge	M	Mo < 0.002001	M	Sm < 0.001000	M	Sn < 0.005002
O	B < 0.000600	O	Au < 0.003000	M	Nd < 0.002001	O	Sc < 0.000023	O	Ti < 0.001300
M	Cd < 0.003001	M	Hf < 0.002001	O	Ni < 0.002300	O	Se < 0.050000	M	W < 0.010004
s	Ca	M	Ho < 0.000500	M	Nb < 0.000500	O	Si < 0.003400	M	U < 0.002001
O	Ce < 0.006000	M	In < 0.010004	n	Os	O	Ag < 0.006700	O	V < 0.002700
M	Cs < 0.000300	M	Ir < 0.005002	M	Pd < 0.005002	O	Na 0.020000	M	Yb < 0.001000
O	Cr < 0.001500	s	Fe	O	P < 0.002500	O	Sr 0.017000	O	Y < 0.000700
O	Co < 0.001200	M	La < 0.000500	M	Pt < 0.002001	O	S < 0.025000	M	Zn 0.090040
O	Cu < 0.003000	M	Pb 0.012005	O	K < 0.005000	M	Ta < 0.007003	M	Zr < 0.005002

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Electrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep **Tightly** sealed when not in use. Store and use at 20 ± 4ºC. **Do Not** pipette from the container. **Do Not** return portions removed from pipetting to container.

Element Specific Information - For specific information regarding any element: Contact technical staff.

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous.

Inorganic Ventures homogeneity data indicate that the end user should take a minimum sample size of 0.2mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability. Transpiration studies of chemically-stable solutions performed at the manufacturer's facility show a CRM shelf-life of twenty one months for solutions packaged in 125-mL low density polyethylene bottles. When stored under special conditions that minimize transpiration and instability, the shelf life can be extended past this limit.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: May 03, 2012

Expiration Date: EXPIRES 01 2013

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By: Stephan Blaakman
Product Documentation Technician

Certificate Approved By: Brian Alexander
PhD., Quality Control Supervisor

Certifying Officer: Paul Gaines
PhD., Senior Technical Director

Rec'd 6-19-12 Ken

HIGH-PURITY STANDARDS
www.highpuritystandards.com

P.O. Box 41727
Charleston, SC 29423
Phone: (843) 767-7900
Fax (843) 767-7906

Certificate of Analysis

Product Description:

Name:	ICSAB
Part Number:	**SM-606-088**
Lot Number:	**1216709**
Matrix:	2% HNO_3 + Tr HF
Purity:	99.99% - 99.9999%

Certified Values:

Element	(µg/mL)	SRM ID	SRM Lot#	Element	(µg/mL)	SRM ID	SRM Lot#
Sb	10.00 ± 0.06	3102a	061229	Mo	10.00 ± 0.06	3134	891307
As	10.0 ± 0.1	3103a	I00818	Ni	10.00 ± 0.05	3136	000612
Ba	5.00 ± 0.03	3104a	070222	K	100.0 ± 0.5	3141a	051220
Be	5.00 ± 0.05	3105a	090514	Se	10.0 ± 0.1	3149	100901
Cd	10.00 ± 0.05	3108	060531	Ag	10.00 ± 0.05	3151	992212
Cr	5.00 ± 0.03	3112a	030730	Na	100.0 ± 0.5	3152a	010728
Co	5.00 ± 0.03	3113	000630	Tl	10.00 ± 0.05	3158	993012
Cu	5.00 ± 0.03	3114	011017	V	5.00 ± 0.03	3165	992706
Pb	10.00 ± 0.06	3128	101026	Zn	10.00 ± 0.05	3168a	080123
Mn	5.00 ± 0.05	3132	050429				

The Certified values are based on gravimetric and volumetric preparation, and verified against SRM 3100 series developed by National Institute of Standards and Technology (NIST) via inductively coupled plasma optical emission spectrometry (ICP-OES) using an internal laboratory developed method. The uncertainty in the certified value is calculated for a 95% confidence interval and coverage factor *k* is about 2

* Refer to Traceability Information, Section d

Preparation Information:

The standard is generally prepared from single element standard solutions that are ISO Guide 34 certified reference materials. Highest purity source materials were purchased from qualified vendors per ISO 9001:2008 guidelines and assayed by ICP-OES for conformity prior to use. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water.

Traceability Information:

The traceability of this standard is maintained through an unbroken chain of comparisons to appropriate standards with suitable procedure and measurement uncertainties. The maintenance of the base and derived units of International System of Units (SI) with traceability of measurement results (contemporary metrology) to SI ensures their comparability over time as follows.

High-Purity Standards is certified to ISO 9001:2008 and accredited to ISO/IEC 17025:2005 and ISO Guide 34:2009.

a. **Standard Weight and Analytical Balance**
The standard weights (NBS weights Inventory No 20231A) are calibrated every two years by South Carolina Metrology Laboratory that is a participant in "NIST Weights and Measures Measurement Assurance Program" with a certificate of measurement traceability to NIST primary standards.
The balances are calibrated yearly by the ISO 17025 accredited metrology service, and are verified weekly by an in-house method using standard weights.

b. **Volumetric Device**
The calibration of volumetric vessels is checked annually using the NBS 602 method.

c. **Thermometer**
The standard thermometers are calibrated every year by the ISO 17025 accredited metrology service. The thermometers used in-house are verified against the standard thermometers yearly.

d. **Calibration Standards**
The Calibration Standards are traceable to SRM 3100 Series Spectrometric Standard Solutions or second sources.

Packaging and Storage Conditions:

The standard is packaged in a pre-cleaned polyethylene bottle. To maintain the integrity of this product, the solution should be kept tightly capped and stored under normal laboratory conditions.

Refer to Material Safety Datasheet (MSDS) for hazardous information.

Expiration Information:

The expiry date is guaranteed to be valid for twelve months from the shipping date provided. For this reason, standards from the same lot may have different expiration dates.

Preparation Date: **June 14, 2012**
Shipped Date: JUN 15 2012
Expiration Date: JUN 15 2013
Certificate Issue Date: **June 15, 2012**

Quality Information:

ISO/IEC 17025:2005 Accreditation
Certificate Number AT-1529

Vanny T. Yib,
Inorganic Laboratory Manager

Angel Sellers
Quality Manager

NOTICE: HPS products are intended for laboratory use only. All products should be handled and used by trained professional personnel. The responsibility for the safe handling and use of these products rests solely with the buyer and/or user. The data and information as stated was furnished by the manufacturer of the product. The information provided in this certificate pertains only to the lot number specified. None of the information provided in this certificate may be used, reproduced or transmitted in any form or by any means without written approval from High Purity Standards.

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CPI INTERNATIONAL

Advanced Analytical, Semiconductor and Life Science Solutions

www.cpiinternational.com
www.colitag.com

Rec'd 7-26-11 pw

Expiry: 22-Jan-13

Certificate of Analysis

Part Number: **4400-080925JC05**
Lot Number: **11G112**
Shelf Life: **18 months**

TestAmerica (North Canton)
ICV 5
2% HNO3 + tr HF

Concentrations in ug/mL ± 0.5%

As	250
Se	250
Cd	250
TL	500
Pb	250
Sb	250

This standard solution was prepared using high-purity starting materials, high-purity acid (if required) and 18-megaohm de-ionized water. The starting materials were weighed to five significant figures and diluted in volumetric glassware calibrated to five significant figures.

Starting materials were analyzed at 1000µg/mL by ICP-MS for trace impurities. The standard solution concentrations were certified instrumentally against the National Institute of Standards and Technology's SRM 3100 series, NIST approved second source and/or gravimetrically.

Accuracy and stability are guaranteed to within plus or minus 0.5% of the certified value for the stated shelf life from the date of shipment. The solution should be kept tightly capped and stored under normal laboratory conditions. See attached MSDS for proper handling information.

For questions or comments please call 1-800-878-7654 in the USA, +31 20 638 05 97 in Europe or visit our web-site at www.cpiinternational.com.

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The Netherlands
P: +31 20 638 05 97
F: +31 20 420 28 36

CERTIFICATE OF ANALYSIS

50mL P/N: 4400-100PPM511-50
100mL P/N: 4400-100PPM511-100
250mL P/N: 4400-100PPM511-250
500mL P/N: 4400-100PPM511-500

RECD 3/20/12 BLD

Element: Silver (Ag)
Concentration: 100 µg/mL ± 0.5%
Matrix: 2% HNO_3
Lot Number: 11I192
Raw Material Source: Silver Metal
Expiration Date: 09/19/2013

Source Purity: 99.99%
Source Lot: AG6901
Traceable to NIST SRM: 3151
Expiry from ship date: 18 months

Intended Use and Solution Preparation: This standard was manufactured for the intended use as a reference material for ICP, ICP-MS, FAA and similar instrumentation. It was prepared gravimetrically using high purity material source(s), sub-boiled distilled acid(s) and 18-megaohm de-ionized water. The material source(s) was weighed to five significant figures on a 0.1mg balance routinely calibrated by NIST traceable weights and diluted in Class A volumetric glassware which is calibrated routinely by NIST recommended procedures.
Traceability: The standard concentration was tested by ICP, ICP-MS and or gravimetrically directly against NIST traceable standards. If NIST standard was not available, 3rd party CRM was used.
Uncertainty: The tolerance range of 0.3% was based on an uncertainty budget using the combined uncertainties associated with gravimetrical preparation (NIST TN 1297; 1994 Edition; Type B evaluation). The value can be expressed as $Y = y \pm U$ where Y = certified concentration and U = the expanded uncertainty. $U = ku_c$ where k is the coverage factor at the 95% confidence level; $u_c = \sqrt{\Sigma u_i^2}$ where u_i = the sum of the individual element standard uncertainty components. The uncertainty in the measurement of the analyzed value used to certify the solution was also determined using NIST TN 1297; 1994 Edition, Type A and B evaluations.
Trace Impurities: The solution using the above source lot was scanned by ICP-MS at time of bottling. The data below is representative of the trace metals contained in the solution at a 1000 µg/mL concentration. Trace metal values are not certified values.

Al	1.1	Br	ND	Cu	0.5	Au	2.3	Pb	ND	Nd	ND	K	ND	Se	ND	TL	0.1	V	ND
Sb	0.5	Cd	0.5	Dy	ND	Hf	ND	Li	ND	Ni	2.6	Pr	ND	Si	57	Th	ND	Yb	2.7
As	0.4	Ca	8.2	Er	ND	Ho	ND	Lu	ND	Nb	ND	Re	ND	Ag	X	Tm	ND	Y	ND
Ba	ND	Ce	ND	Eu	ND	I	0.9	Mg	0.7	Os	ND	Rh	ND	Na	2.4	Sn	ND	Zn	ND
Be	ND	Cs	ND	Gd	ND	Ir	ND	Mn	ND	Pd	ND	Rb	ND	Sr	ND	Ti	ND	Zr	ND
Bi	0.2	Cr	1.4	Ga	ND	Fe	ND	Hg	0.8	P	ND	Ru	ND	Ta	ND	W	0.7		
B	1.3	Co	ND	Ge	ND	La	ND	Mo	ND	Pt	ND	Sm	INT	Te	ND	U	ND		

Concentrations are in ppb. INT=Interference from X, Solution Element ND=None Detected X=Solution

Accuracy and stability are guaranteed to within plus or minus 0.5% of the certified value for **18 months** after the date of shipment. The solution should be kept tightly capped and stored under normal laboratory conditions. See attached MSDS for proper handling information.

Certifying Officer

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Accu•prep 7000™ Extraction Manifold
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P.O. Box 41727
Charleston, SC 29423
Phone (843) 767-7900
Fax (843) 767-7906

Certificate of Analysis

rec'd SG 8-24-12

Product Description:

Name:	QSM A-SPIKE
Part Number:	**SM-606-082**
Lot Number:	**1222912**
Matrix:	4% HNO_3 + Tr HF
Purity:	99.96% - 99.9999%

Certified Values:

Element	(mg/L)	SRM ID	SRM Lot#	Element	(mg/L)	SRM ID	SRM Lot#
Al	500.0 ± 2.5	3101a	060502	Mg	300.0 ± 1.5	3131a	050302
Sb	15.00 ± 0.09	3102a	061229	Mn	2.50 ± 0.03	3132	050429
As	30.0 ± 0.3	3103a	100818	Mo	10.00 ± 0.06	3134	891307
Ba	5.00 ± 0.03	3104a	070222	Ni	25.00 ± 0.13	3136	000612
Be	2.50 ± 0.03	3105a	090514	K	500.0 ± 2.5	3141a	051220
B	300.0 ± 1.5	3107	070514	Se	40.0 ± 0.4	3149	100901
Cd	35.00 ± 0.18	3108	060531	Ag	10.00 ± 0.05	3151	992212
Ca	1000 ± 5	3109a	050825	Na	5000 ± 25	3152a	010728
Cr	20.0 ± 0.1	3112a	030730	Tl	45.00 ± 0.23	3158	993012
Co	15.00 ± 0.08	3113	000630	Sn	30.00 ± 0.18	3161a	070330
Cu	45.00 ± 0.23	3114	011017	Ti	50.0 ± 0.3	3162a	060808
Fe	450.00 ± 2.25	3126a	051031	V	5.00 ± 0.03	3165	992706
Pb	15.00 ± 0.09	3128	101026	Zn	50.00 ± 0.25	3168a	080123

The Certified values are based on gravimetric and volumetric preparation, and verified against SRM 3100 series developed by National Institute of Standards and Technology (NIST) via inductively coupled plasma optical emission spectrometry (ICP-OES) using an internal laboratory developed method. The uncertainty in the certified value is calculated for a 95% confidence interval and coverage factor *k* is about 2

* Refer to Traceability Information, Section d

Preparation Information:

The standard is generally prepared from single element standard solutions that are ISO Guide 34 certified reference materials. Highest purity source materials were purchased from qualified vendors per ISO 9001:2008 guidelines and assayed by ICP-OES for conformity prior to use. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water.

Traceability Information:

The traceability of this standard is maintained through an unbroken chain of comparisons to appropriate standards with suitable procedure and measurement uncertainties. The maintenance of the base and derived

units of International System of Units (SI) with traceability of measurement results (contemporary metrology) to SI ensures their comparability over time as follows.

a. **Standard Weight and Analytical Balance**
The standard weights (NBS weights Inventory No 20231A) are calibrated every two years by South Carolina Metrology Laboratory that is a participant in "NIST Weights and Measures Measurement Assurance Program" with a certificate of measurement traceability to NIST primary standards.
The balances are calibrated yearly by the ISO 17025 accredited metrology service, and are verified weekly by an in-house method using standard weights.

b. **Volumetric Device**
The calibration of volumetric vessels is checked annually using the NBS 602 method.

c. **Thermometer**
The standard thermometers are calibrated every year by the ISO 17025 accredited metrology service. The thermometers used in-house are verified against the standard thermometers yearly.

d. **Calibration Standards**
The Calibration Standards are traceable to SRM 3100 Series Spectrometric Standard Solutions or second sources.

Packaging and Storage Conditions:

The standard is packaged in a pre-cleaned polyethylene bottle. To maintain the integrity of this product, the solution should be kept tightly capped and stored under normal laboratory conditions.

Refer to Material Safety Datasheet (MSDS) for hazardous information.

Expiration Information:

The expiry date is guaranteed to be valid for twelve months from the shipping date provided. For this reason, standards from the same lot may have different expiration dates.

Preparation Date: August 16, 2012
Shipped Date: AUG 2 0 2012
Expiration Date: AUG 2 0 2013
Certificate Issue Date: August 17, 2012

Quality Information:

ACLASS ACCREDITED TESTING
ISO/IEC 17025:2005 Accreditation
Certificate Number AT-1529

Vanny T. Yib,
Inorganic Laboratory Manager

Angel Sellers
Quality Manager

NOTICE: HPS products are intended for laboratory use only. All products should be handled and used by trained professional personnel. The responsibility for the safe handling and use of these products rests solely with the buyer and/or user. The data and information as stated was furnished by the manufacturer of the product. The information provided in this certificate pertains only to the lot number specified. None of the information provided in this certificate may be used, reproduced or transmitted in any form or by any means without written approval from High Purity Standards.

Certificate of Analysis

Aroclor 1016 Solution

Product Number: PP-281 **Page:** 1 of 1

Lot Number: CF-0785 **Lot Issue Date:** 26-Feb-2009 **Expiration Date:** 31-Mar-2017

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
Aroclor 1016	012674-11-2	F216A	100.3 ± 0.5 µg/mL

Matrix: hexane

Storage: Store at Room Temperature (18-25° C)

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

ACCREDITED
ISO 17025:2005 Accredited A2LA Cert. No. 0851-01
ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1009

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401-294-9400 Fax: 295-2330
wwww.ultrasci.com

William J. Leary
Quality Assurance Manager

Certificate of Analysis

Aroclor 1221 Solution

Product Number: PP-291 **Page:** 1 of 1

Lot Number: CB-1791Z **Lot Issue Date:** 01-Nov-2011 **Expiration Date:** 31-Dec-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
Aroclor 1221	011104-28-2	AM-24	100.4 ± 0.5 µg/mL

Matrix: hexane

Storage: Store at Room Temperature (18-25° C)

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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William J. Leary
Quality Assurance Manager

Certificate of Analysis

Aroclor 1232 Solution

Product Number: PP-301 **Page:** 1 of 1

Lot Number: CG-3213 **Lot Issue Date:** 28-Sep-2010 **Expiration Date:** 31-Oct-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
Aroclor 1232	011141-16-5	NT01717	100.3 ± 0.5 µg/mL

Matrix: hexane

Storage: Store at Room Temperature (18-25° C)

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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William J. Leary
Quality Assurance Manager

Certificate of Analysis

Aroclor 1242 Solution

Product Number: PP-311 **Page:** 1 of 1

Lot Number: CH-2711 **Lot Issue Date:** 25-Aug-2011 **Expiration Date:** 30-Sep-2019

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
Aroclor 1242	053469-21-9	NT01020	100.4 ± 0.5 µg/mL

Matrix: hexane

Storage: Store at Room Temperature (18-25° C)

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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William J. Leary
Quality Assurance Manager

Certificate of Analysis

Aroclor 1248 Solution

Product Number: PP-341 **Page:** 1 of 1

Lot Number: CH-3256 **Lot Issue Date:** 27-Oct-2011 **Expiration Date:** 30-Nov-2019

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
Aroclor 1248	012672-29-6	NT01718	100.5 ± 0.5 µg/mL

Matrix: hexane

Storage: Store at Room Temperature (18-25° C)

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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William J. Leary
Quality Assurance Manager

Certificate of Analysis

Aroclor 1254 Solution

Product Number: PP-351 **Page:** 1 of 1

Lot Number: CF-1469 **Lot Issue Date:** 14-Apr-2009 **Expiration Date:** 31-May-2017

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
Aroclor 1254	011097-69-1	K040	100.2 ± 0.5 µg/mL

Matrix: hexane

Storage: Store at Room Temperature (18-25° C)

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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William J. Leary
Quality Assurance Manager

Certificate of Analysis

Aroclor 1260 Solution

Product Number: PP-361 **Page:** 1 of 1

Lot Number: CG-3829 **Lot Issue Date:** 04-Nov-2010 **Expiration Date:** 31-Dec-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
Aroclor 1260	011096-82-5	NT01023	100.5 ± 0.5 µg/mL

Matrix: hexane

Storage: Store at Room Temperature (18-25° C)

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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William J. Leary
Quality Assurance Manager

JVIMS Received 12/13/11

RESTEK

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Fax: (814)353-1309

www.Restek.com

Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 32039 **Lot No.:** A082781

Description : Aroclor® 1016/1260 Mix

PCB Mix, Aroclor 1016/1260, 1,000µg/ml, Hexane, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] August 2018 **Storage:** 25°C nominal

Handling: This product contains PCB's

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	Aroclor 1016	12674-11-2	----%	1,000.0 ug/mL	+/- 5.8275 ug/mL
2	Aroclor 1260	11096-82-5	----%	1,000.0 ug/mL	+/- 5.8275 ug/mL
Solvent:	Hexane	110-54-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

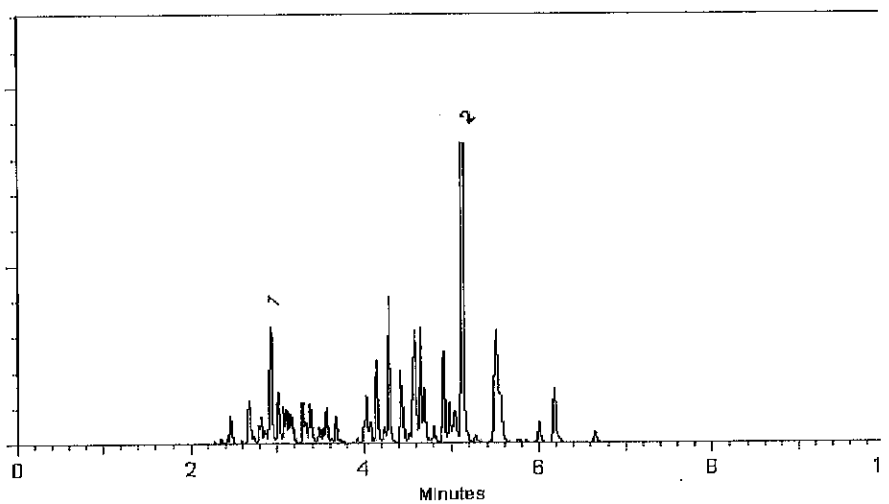
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



Certificate of Analysis

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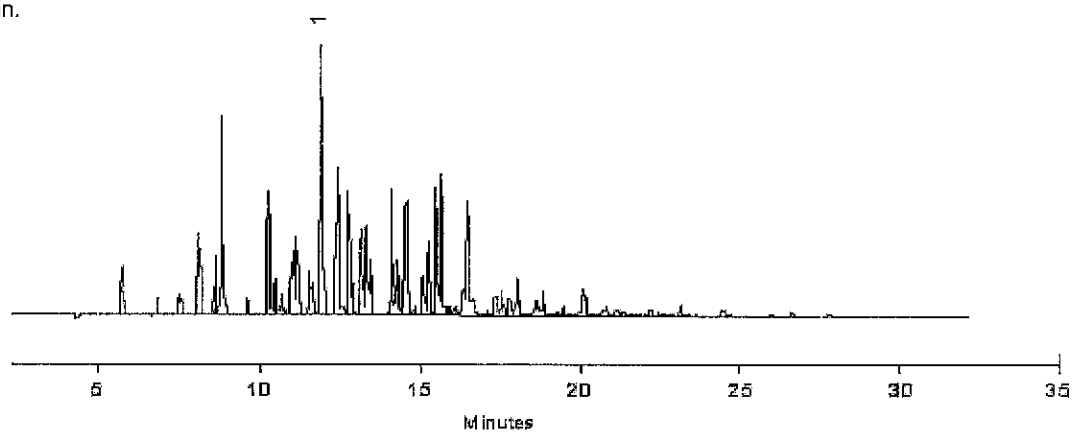
FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No.: 32008 **Lot No.:** A052599
Description: Aroclor® 1232 Standard
Expiration Date[1]**:** June 2014 **Storage:** Room Temperature
Handling: Contains PCB's. Warm & Sonicate Prior to Use

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	Percent Uncertainty [4]
1	Aroclor 1232	11141-16-5	99%	1,000.000 ug/ml	+/-0.05 %
Solvent:	Hexane	110-54-3	99%		

Column: 30m x .32mm x .5um
Rtx-CLPesticides II
Carrier Gas: helium @ 40 cm/sec.
Temp. Program: 150°C to 300°C @ 5°C/min.

Inj. Temp: 250°C
Det. Temp: 300°C
Det. Type: ECD



Sara Eyster / QA Analyst

Balance 1119141429

1 Expiration date of the unopened ampul stored at recommended temperature.
2 Purity was determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Value rounded to the nearest LOWER whole percentage. In addition to detectors listed above, chemical identity and purity are confirmed using 1 or more of the following: MS, DSC, solid probe MS, GC/FPD, GC/NPD, GC/TC, FTIR, melting point, refractive index, and Karl Fisher. See data pack or contact Restek for further details.
3 Based upon gravimetric preperation with balance calibration verified using NIST traceable weights (seven mass levels).
4 Percent Uncertainty based upon balance AND ASTM Class A volumetric glassware accuracy.

ISO 9001 REGISTERED
Manufactured under Restek's ISO 9001 Registered Quality System
Certificate #FM30397

REC 9/7/07

Certificate of Analysis

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FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 32009 **Lot No.:** A068369
Description : Aroclor® 1242 Standard
Expiration Date[1]**:** July 2016 **Storage:** Room Temperature
Handling: This product contains PCB's

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	% Uncertainty [4] (95% C.L.; K=2)
1	Aroclor 1242	53469-21-9	----%	1,000.000 ug/ml	+/-0.58 %
Solvent:	Hexane	110-54-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLPesticides (cat.# 11323)

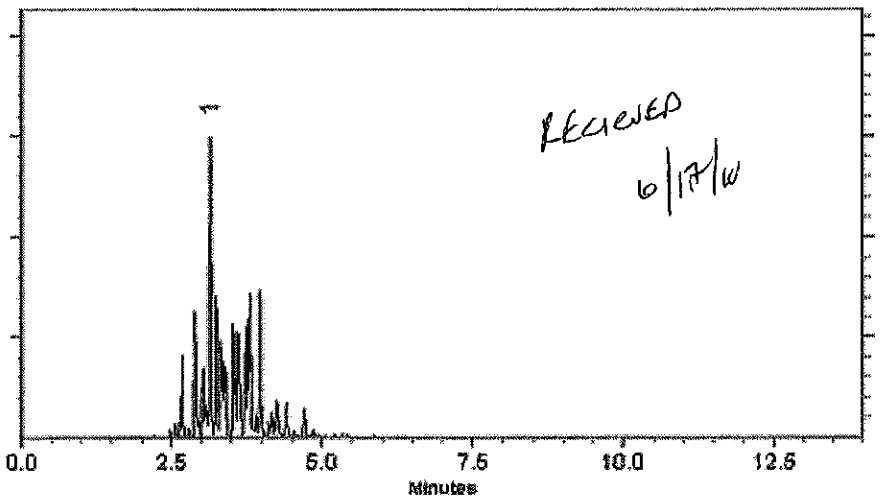
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



RECIEVED
6/17/09

Date Passed: 07/03/2009 **Balance:** 1128342314

Manufactured under Restek's ISO 9001-2000 Registered Quality System Certificate #FMB0397

1 Expiration date of the unopened ampule stored at recommended temperature.
2A Purity was determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Value rounded to the nearest whole number. In addition to detectors listed above, chemical identity and purity are confirmed using one or more of the following: MS, DSC, solid probe MS, GC/FPD, GC/NPD, GC/TC, FTIR, melting point, refractive index, and Karl Fisher. See data pack or contact Restek for further details.
2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.
2C Compounds with a listed purity of less than 99% may be salts, derivatives, or hydrates. The listed purity is actually a correction factor that was used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound.
2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.
3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels).
4 Uncertainties determined using repeatability and reproducibility data for balances and glassware from measurement systems analysis methodology, balance and glassware tolerances, raw material purity, and, where applicable, eccentricity and linearity values from an accredited calibration laboratory.

Certificate of Analysis

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FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No.: 32009 **Lot No.:** A068369
Description: Aroclor® 1242 Standard
Expiration Date[1]: July 2016 **Storage:** Room Temperature
Handling: This product contains PCB's

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	% Uncertainty [4] (95% C.L.; K=2)
1	Aroclor 1242	53469-21-9	----%	1,000.000 ug/ml	+/-0.58 %
Solvent:	Hexane	110-54-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLPesticides (cat.# 11323)

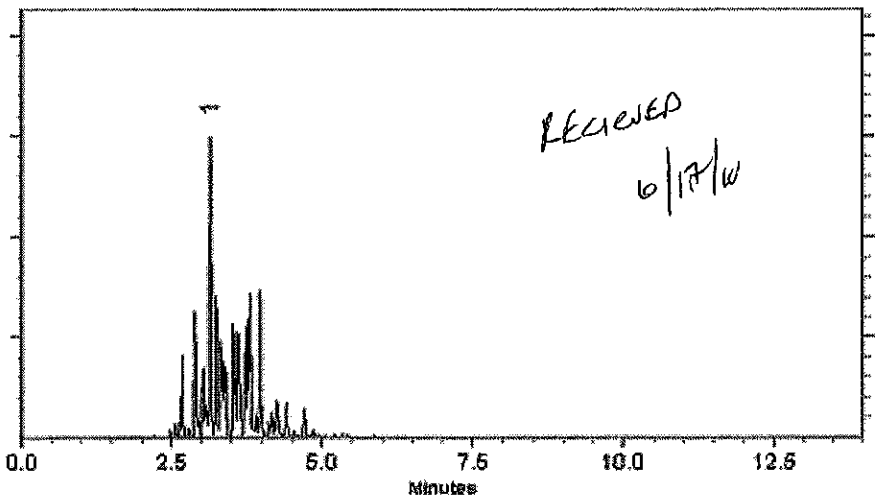
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



Date Passed: 07/03/2009 **Balance:** 1128342314

Manufactured under Restek's ISO 9001-2000 Registered Quality System Certificate #FMB0397

1 Expiration date of the unopened ampule stored at recommended temperature.
2A Purity was determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Value rounded to the nearest whole number. In addition to detectors listed above, chemical identity and purity are confirmed using one or more of the following: MS, DSC, solid probe MS, GC/FPD, GC/NPD, GC/TC, FTIR, melting point, refractive index, and Karl Fisher. See data pack or contact Restek for further details.
2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.
2C Compounds with a listed purity of less than 99% may be salts, derivatives, or hydrates. The listed purity is actually a correction factor that was used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound.
2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.
3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels).
4 Uncertainties determined using repeatability and reproducibility data for balances and glassware from measurement systems analysis methodology, balance and glassware tolerances, raw material purity, and, where applicable, eccentricity and linearity values from an accredited calibration laboratory.

Certificate of Analysis

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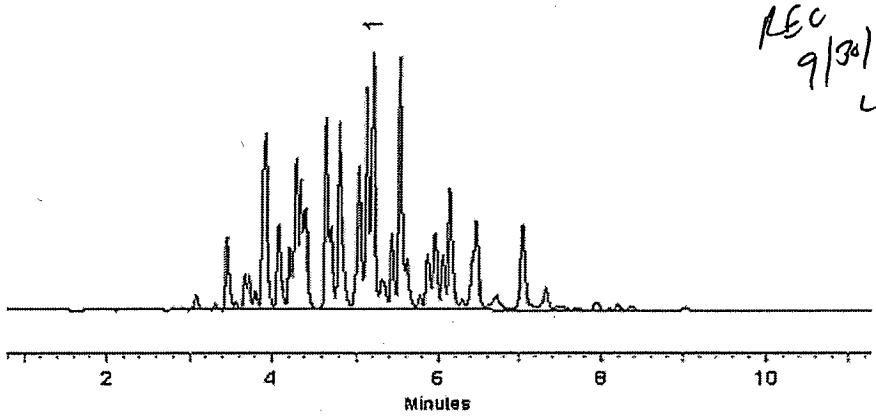
FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 32010 **Lot No.:** A059172
Description : Aroclor® 1248 Standard
Expiration Date[1]**:** April 2015 **Storage:** Room Temperature
Handling: This product contains PCB's

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	Percent Uncertainty [4]
1	Aroclor 1248	12672-29-6	----%	1,000.000 ug/ml	+/-0.05 %
Solvent:	Hexane	110-54-3	99%		

Column: 30m x .32mm x .25um Rtx-CLPesticides II
Carrier Gas: helium @ 40cm/sec.
Temp. Program: 200°C to 300°C @ 10°C/min. (hold 5 min.)
Inj. Temp: 250°C
Det. Temp: 300°C
Det. Type: ECD



REC 9/30/13 LSH

Sara Eyster QA Analyst

Balance 1128360905

1 Expiration date of the unopened ampul stored at recommended temperature.
2 Purity was determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Value rounded to the nearest LOWER whole percentage. In addtion to detectors listed above, chemical identity and purity are confirmed using 1 or more of the following: MS, DSC, solid probe MS, GC/FPD, GC/NPD, GC/TC, FTIR, melting point, refractive index, and Karl Fisher. See data pack or contact Restek for further details.
3 Based upon gravimetric preperation with balance calibration verified using NIST traceable weights (seven mass levels).
4 Percent Uncertainty based upon balance AND ASTM Class A volumetric glassware accuracy.

ISO 9001 REGISTERED
Manufactured under Restek's ISO 9001 Registered Quality System
Certificate #FM80397

RESTEK

Certificate of Analysis

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 32007 Lot No.: A074947

Description : Aroclor® 1221 Standard

Expiration Date[1]: June 2017 Storage: Room Temperature

Handling: Contains PCB's. Warm & Sonicate Prior to Use

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	% Uncertainty [4] (95% C.L.; K=2)
1	Aroclor 1221	11104-28-2	----%	1,000.000 ug/ml	+/-0.59 %
Solvent:	Hexane	110-54-3	99%		

Column:
30m x.25mm x .2um
Rtx-CLPesticides (cat.# 11323)

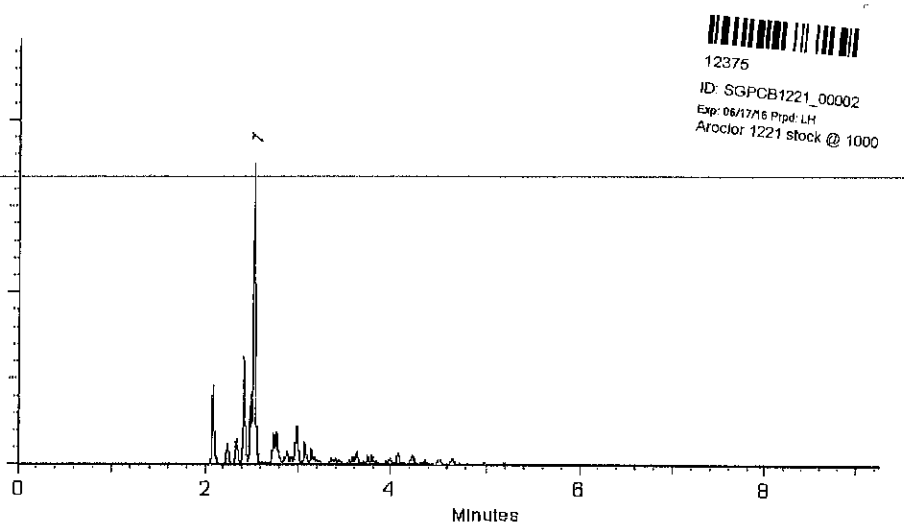
Carrier Gas:
hellum-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



Diana Shaffer
Diana Shaffer - QA Analyst

Date Passed: 24-May-2010 Balance: 1128360905

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

1 Expiration date of the unopened ampule stored at the recommended storage condition.

2A Purity is determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Value is rounded to the nearest whole number. Chemical identity is confirmed using GC/MS. See data pack or contact provider for further details.

2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.

2C The following types of compounds will have a listed purity of less than 99%: Aldehyde/Ketone-DNPH compounds, Bromides, Chlorides, HCL salts, HBR salts, sulfates, hydrates, and other compounds as necessary. The listed purity is a correction factor that is equivalent to the percentage of parent compound in the molecule. This correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution. The concentration listed on the certificate is the concentration of the parent compound in the solution.

2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.

3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.

4 Uncertainties determined using data for balances and glassware from measurement systems analysis methodology, raw material purity, and, when significant, equipment tolerances or calibration results.

Received 2 vials
E
7/27/16

RESTEK

Certificate of Analysis

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 32011 **Lot No.:** A076437

Description : Aroclor® 1254 Standard

Expiration Date[1]**:** September 2017 **Storage:** Room Temperature

Handling: This product contains PCB's

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	% Uncertainty [4] (95% C.L.; K=2)
1	Aroclor 1254	11097-69-1	----%	1,001.600 ug/ml	+/-0.59 %
Solvent:	Hexane	110-54-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

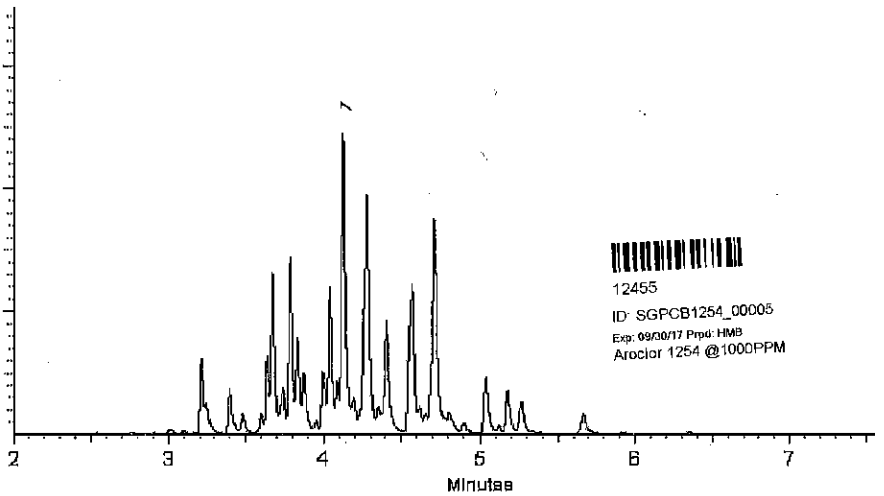
Carrier Gas:
hellum-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



Diane Shaffer - QA Analyst **Date Passed:** 23-Aug-2010 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

1 Expiration date of the unopened ampule stored at the recommended storage condition.

2A Purity is determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Value is rounded to the nearest whole number. Chemical identity is confirmed using GC/MS. See data pack or contact provider for further details.

2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.

2C The following types of compounds will have a listed purity of less than 99%: Aldehyde/Ketone-DNPH compounds, Bromides, Chlorides, HCL salts, HBR salts, sulfates, hydrates, and other compounds as necessary. The listed purity is a correction factor that is equivalent to the percentage of parent compound in the molecule. This correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution. The concentration listed on the certificate is the concentration of the parent compound in the solution.

2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.

3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.

4 Uncertainties determined using data for balances and glassware from measurement systems analysis methodology, raw material purity, and, when significant, equipment tolerances or calibration results.

Received 2 vials 7/23/11

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.Restek.com

Rcvd 7-21-11 cmk

Certificate of Composition

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 557670 **Lot No.:** A083000

Description : Custom Herbicide Methyl Esters Standard

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] July 2013 **Storage:** 10°C or colder

Handling: This product is photosensitive.

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav. Uncert. (95% C.L.; K=2) [4]
1	Dalapon methyl ester	17640-02-7	95%	3.99 ug/mL	+/- 0.03264 ug/mL
2	2,4-Dichlorophenyl acetic acid methyl ester	55954-23-9	99%	8.00 ug/mL	+/- 0.06544 ug/mL
3	Dicamba methyl ester	6597-78-0	99%	4.00 ug/mL	+/- 0.03272 ug/mL
4	MCPP (Mecoprop) methyl ester	2786-19-8	98%	799.68 ug/mL	+/- 4.74986 ug/mL
5	MCPA methyl ester	2436-73-9	99%	800.00 ng/mL	+/- 4.75176 ug/mL
6	Dichlorprop methyl ester	57153-17-0	99%	8.00 ug/mL	+/- 0.06544 ug/mL
7	2,4-D methyl ester	1928-38-7	98%	8.00 ug/mL	+/- 0.06542 ug/mL
8	Pentachloroanisole	1825-21-4	98%	2.00 ug/mL	+/- 0.1208 ug/mL
9	2,4,5-TP (silvex) methyl ester	4841-20-7	98%	2.00 ug/mL	+/- 0.1208 ug/mL
10	2,4,5-T methyl ester	1928-37-6	98%	2.00 ug/mL	+/- 0.1208 ug/mL
11	2,4-DB methyl ester	18625-12-2	99%	8.00 ug/mL	+/- 0.06544 ug/mL
12	Picloram methyl ester	14143-55-6	97%	7.99 ng/mL	+/- 0.06538 ug/mL
13	Dinoseb methyl ether	6099-79-2	99%	1.20 ug/mL	+/- 0.07251 ug/mL
Solvent:	Hexane	110-54-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

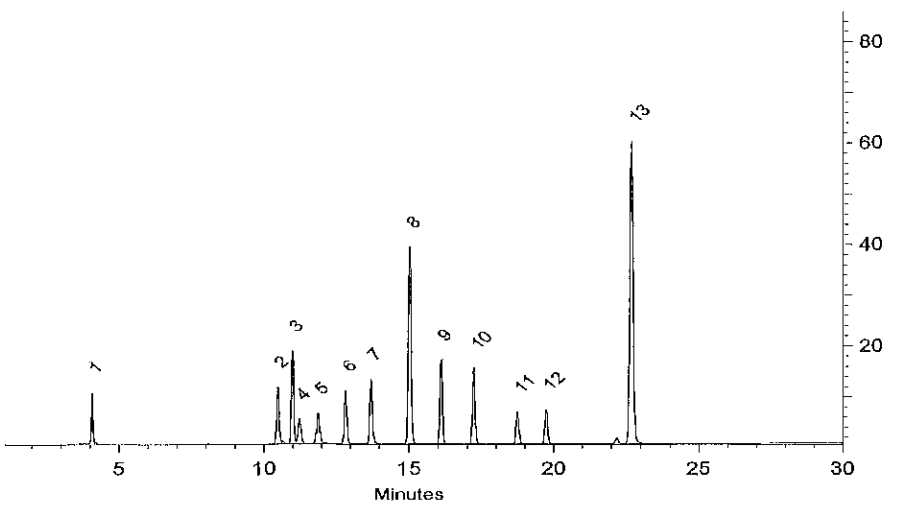
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD



125 Market Street
New Haven, CT 06513
USA

AccuStandard® Inc.

Tel (203)786-5290
Fax (203)786-5287
www.AccuStandard.com

CERTIFICATE OF ANALYSIS

Catalog No: P-199S
Description: Pentachloroanisole
Lot: B4010036
Solvent: Methanol

Date Certified: Jan 15, 2004
Expiration: Jan 15, 2014
Sample Size: 1 mL
Storage Condition: Ambient
Hazards: HIGHLY FLAMMABLE

[X] Included on ISO/IEC 17025 Scope of Accreditation
[X] Included on ISO Guide 34 Scope of Accreditation

Component	CAS #	Purity % (GC/MS)	Prepared Concentration[1] (µg/mL)	Certified Analyte Concentration[2] (µg/mL)
Pentachloroanisole	1825-21-4	100	100.3	100.3

AccuStandard follows U.S. conventions in reporting numerical values on both certificates and labels:

A comma (,) is used to separate units of one-thousand or greater.
A period (.) is used as a decimal place marker.

1. All weights are traceable through NIST, Test No.822/254480
2. Certified Analyte Concentration = Purity x Prepared Concentration. The Uncertainty associated with the gravimetric values reported on this certificate is ±0.24%. The CRM Uncertainty calculated for this product is ±5%. These values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.
3. A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot# has had its expiration date extended and is identical to the same lot# without the suffix.

For use in routine laboratory analysis.

See reverse side for additional information
Refer to the MSDS for additional safety information

Certified by: R. Cooper
Russ Cooper, QC Manager

AccuStandard is accredited to ISO Guide 34, ISO/IEC 17025 and certified to ISO 9001

OR-ORG/INO-001
Rev. 7/11

RESTEK

Certificate of Analysis

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 32007 **Lot No.:** A074947

Description : Aroclor® 1221 Standard

Expiration Date[1]**:** June 2017 **Storage:** Room Temperature

Handling: Contains PCB's. Warm & Sonicate Prior to Use

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	% Uncertainty [4] (95% C.L.; K=2)
1	Aroclor 1221	11104-28-2	----%	1,000.000 ug/ml	+/-0.59 %
Solvent:	Hexane	110-54-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLPesticides (cat.# 11323)

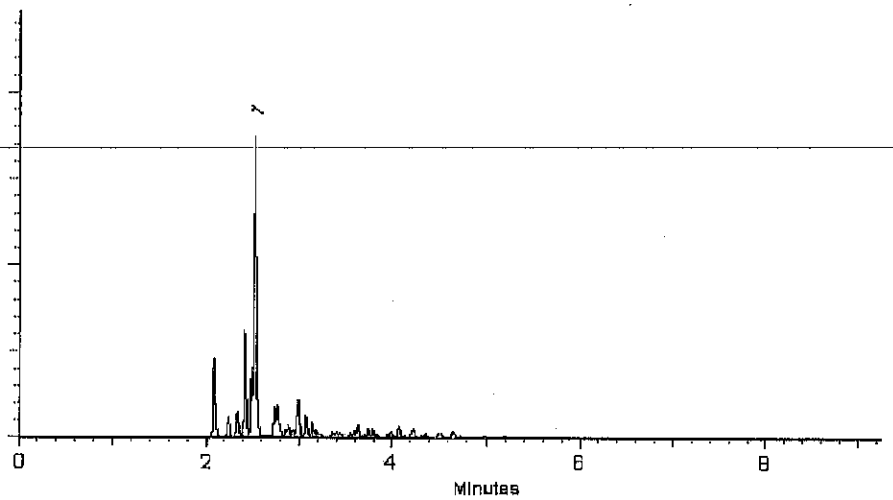
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



Diane Shaffer - QA Analyst **Date Passed:** 24-May-2010 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

1 Expiration date of the unopened ampule stored at the recommended storage condition.

2A Purity is determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Value is rounded to the nearest whole number. Chemical identity is confirmed using GC/MS. See data pack or contact provider for further details.

2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.

2C The following types of compounds will have a listed purity of less than 99%: Aldehyde/Ketone-DNPH compounds, Bromides, Chlorides, HCL salts, HBR salts, sulfates, hydrates, and other compounds as necessary. The listed purity is a correction factor that is equivalent to the percentage of parent compound in the molecule. This correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution. The concentration listed on the certificate is the concentration of the parent compound in the solution.

2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.

3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.

4 Uncertainties determined using data for balances and glassware from measurement systems analysis methodology, raw material purity, and, when significant, equipment tolerances or calibration results.

Received 2 vials
E
7/27/10

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Reagent ID: VGINTSTD_00001

		Expiration Date:	10/08/2011
Description:	INTERNAL STANDARD	Laboratory:	TestAmerica North Canton
No. of Bottles:	2	Prepared By:	Bolgrin, Deborah
Storage Location:	F022	Solvent:	MEOH
Reagent Volume:	50.000 mL	Solvent Lot:	50349
Creation Date:	04/08/2011		
Container(s):	12414, 12415		
Comment:			

Reagent Analyte Information

Analyte	Source ID	Source Expiration Date	Source Conc.	Source Conc. Units	Final Conc.	Final Conc. Units
Fluorobenzene	VGISSTOCK_00001	12/31/2012	2000.000	ug/mL	50.00000	ug/mL

Source Reagents

Reagent	Description	Type	Expiration	Vendor	Vendor Lot #	Vendor Cat Lot #	Volume Used	Volume Units
VGISSTOCK_00001	IS FLOROBENZENE	ASTD	12/31/12	ULTRA SCIENTIFIC	CE-4128	STS-160	1.2500	mL

RESTEK

Certificate of Analysis

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 32011 **Lot No.:** A076437

Description : Aroclor® 1254 Standard

Expiration Date[1]**:** September 2017 **Storage:** Room Temperature

Handling: This product contains PCB's

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	% Uncertainty [4] (95% C.L.; K=2)
1	Aroclor 1254	11097-69-1	----%	1,001.600 ug/ml	+/-0.59 %
Solvent:	Hexane	110-54-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

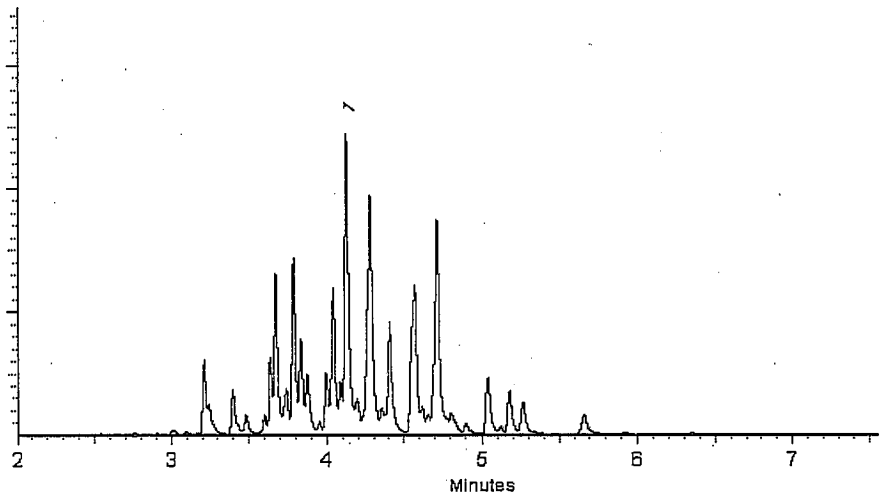
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



Diane Shaffer - QA Analyst **Date Passed:** 23-Aug-2010 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

1 Expiration date of the unopened ampule stored at the recommended storage condition.

2A Purity is determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Value is rounded to the nearest whole number. Chemical identity is confirmed using GC/MS. See data pack or contact provider for further details.

2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.

2C The following types of compounds will have a listed purity of less than 99%: Aldehyde/Ketone-DNPH compounds, Bromides, Chlorides, HCL salts, HBR salts, sulfates, hydrates, and other compounds as necessary. The listed purity is a correction factor that is equivalent to the percentage of parent compound in the molecule. This correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution. The concentration listed on the certificate is the concentration of the parent compound in the solution.

2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.

3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.

4 Uncertainties determined using data for balances and glassware from measurement systems analysis methodology, raw material purity, and, when significant, equipment tolerances or calibration results.

Received 2 vials 7/23/11

Certificate of Analysis

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

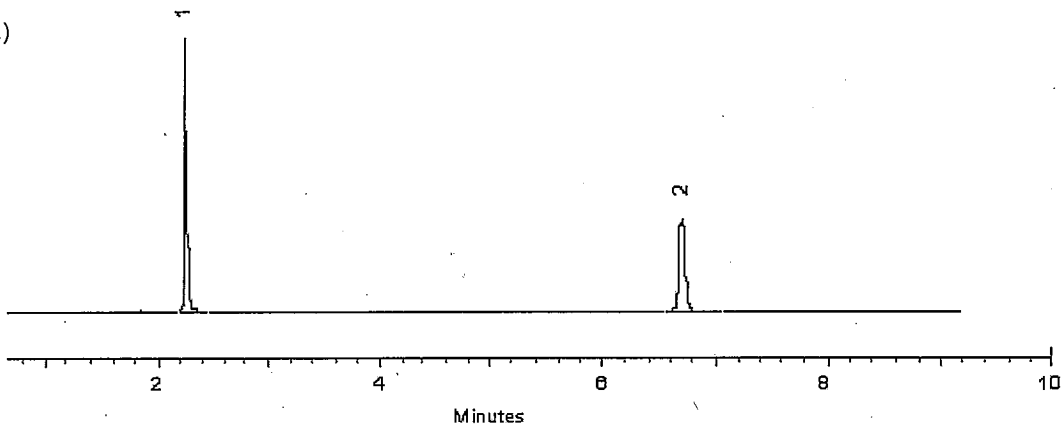
FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 32000 **Lot No.:** A057014
Description : Pesticide Surrogate Mix
Expiration Date[1]**:** June 2015 **Storage:** Refrigerate
Handling: Warm & Sonicate prior to use

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	Percent Uncertainty [4]
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	98%	200.018 ug/ml	+/-0.03 %
2	Decachlorobiphenyl	2051-24-3	99%	200.000 ug/ml	+/-0.03 %
Solvent:	Acetone	67-64-1	99%		

LEC 7/13/08
LOT

Column: 30m x .32mm x .25um
Rtx-CLPesticides II
Carrier Gas: helium @ 40cm/sec.
Temp. Program: 200°C to 300°C
@ 15°C/min. (hold 12 min.)
Inj. Temp: 250°C
Det. Temp: 300°C
Det. Type: ECD



Sara Eyster QA Analyst

Balance 1128342313

1 Expiration date of the unopened ampul stored at recommended temperature.
2 Purity was determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Value rounded to the nearest LOWER whole percentage. In addition to detectors listed above, chemical identity and purity are confirmed using 1 or more of the following: MS, DSC, solid probe MS, GC/FPD, GC/NPD, GC/TC, FTIR, melting point, refractive index, and Karl Fisher. See data pack or contact Restek for further details.
3 Based upon gravimetric preperation with balance calibration verified using NIST traceable weights (seven mass levels).
4 Percent Uncertainty based upon balance AND ASTM Class A volumetric glassware accuracy.

ISO 9001 REGISTERED
Manufactured under Restek's ISO 9001 Registered Quality System
Certificate #FM80397

Tech Tip:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Rcvd 12-8-11 Recd 3 vials

RESTEK

Certificate of Analysis

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No.: 32291 **Lot No.:** A076528

Description : Organochlorine Pesticide Mix AB #1

Expiration Date[1]**:** August 2014 **Storage:** Refrigerate

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	% Uncertainty [4] (95% C.L.; K=2)
1	alpha-BHC	319-84-6	99%	200.000 ug/ml	+/-0.59 %
2	gamma-BHC (Lindane)	58-89-9	99%	200.200 ug/ml	+/-0.59 %
3	beta-BHC	319-85-7	99%	200.000 ug/ml	+/-0.59 %
4	delta-BHC	319-86-8	99%	200.000 ug/ml	+/-0.59 %
5	Heptachlor	76-44-8	99%	200.000 ug/ml	+/-0.59 %
6	Aldrin	309-00-2	99%	200.000 ug/ml	+/-0.59 %
7	Heptachlor epoxide (isomer B)	1024-57-3	99%	200.000 ug/ml	+/-0.59 %
8	trans-Chlordane	5103-74-2	99%	200.000 ug/ml	+/-0.59 %
9	cis-Chlordane	5103-71-9	97%	200.014 ug/ml	+/-0.59 %
10	4,4'-DDE	72-55-9	99%	200.200 ug/ml	+/-0.59 %
11	Endosulfan I	959-98-8	99%	200.000 ug/ml	+/-0.59 %
12	Dieldrin	60-57-1	99%	200.200 ug/ml	+/-0.59 %
13	Endrin	72-20-8	97%	200.208 ug/ml	+/-0.59 %
14	4,4'-DDD	72-54-8	97%	200.014 ug/ml	+/-0.59 %
15	Endosulfan II	33213-65-9	99%	200.000 ug/ml	+/-0.59 %
16	4,4'-DDT	50-29-3	99%	200.000 ug/ml	+/-0.59 %
17	Endrin aldehyde	7421-93-4	98%	200.116 ug/ml	+/-0.59 %
18	Methoxychlor	72-43-5	99%	200.000 ug/ml	+/-0.59 %
19	Endosulfan sulfate	1031-07-8	99%	200.000 ug/ml	+/-0.59 %
20	Endrin ketone	53494-70-5	95%	200.260 ug/ml	+/-0.59 %
Solvent:	Hexane/Toluene (50:50)	110-54-3/108-88-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

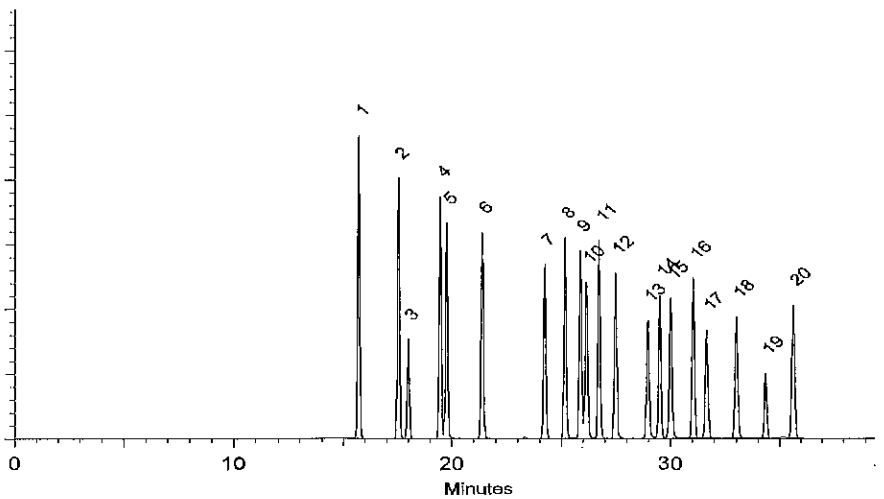
Carrier Gas:
hellium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD



Rcvd 12-8-11 Recd 3 vials

RESTEK

Certificate of Analysis

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No.: 32291 **Lot No.:** A076528

Description : Organochlorine Pesticide Mix AB #1

Expiration Date[1]**:** August 2014 **Storage:** Refrigerate

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	% Uncertainty [4] (95% C.L.; K=2)
1	alpha-BHC	319-84-6	99%	200.000 ug/ml	+/-0.59 %
2	gamma-BHC (Lindane)	58-89-9	99%	200.200 ug/ml	+/-0.59 %
3	beta-BHC	319-85-7	99%	200.000 ug/ml	+/-0.59 %
4	delta-BHC	319-86-8	99%	200.000 ug/ml	+/-0.59 %
5	Heptachlor	76-44-8	99%	200.000 ug/ml	+/-0.59 %
6	Aldrin	309-00-2	99%	200.000 ug/ml	+/-0.59 %
7	Heptachlor epoxide (isomer B)	1024-57-3	99%	200.000 ug/ml	+/-0.59 %
8	trans-Chlordane	5103-74-2	99%	200.000 ug/ml	+/-0.59 %
9	cis-Chlordane	5103-71-9	97%	200.014 ug/ml	+/-0.59 %
10	4,4'-DDE	72-55-9	99%	200.200 ug/ml	+/-0.59 %
11	Endosulfan I	959-98-8	99%	200.000 ug/ml	+/-0.59 %
12	Dieldrin	60-57-1	99%	200.200 ug/ml	+/-0.59 %
13	Endrin	72-20-8	97%	200.208 ug/ml	+/-0.59 %
14	4,4'-DDD	72-54-8	97%	200.014 ug/ml	+/-0.59 %
15	Endosulfan II	33213-65-9	99%	200.000 ug/ml	+/-0.59 %
16	4,4'-DDT	50-29-3	99%	200.000 ug/ml	+/-0.59 %
17	Endrin aldehyde	7421-93-4	98%	200.116 ug/ml	+/-0.59 %
18	Methoxychlor	72-43-5	99%	200.000 ug/ml	+/-0.59 %
19	Endosulfan sulfate	1031-07-8	99%	200.000 ug/ml	+/-0.59 %
20	Endrin ketone	53494-70-5	95%	200.260 ug/ml	+/-0.59 %
Solvent:	Hexane/Toluene (50:50)	110-54-3/108-88-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

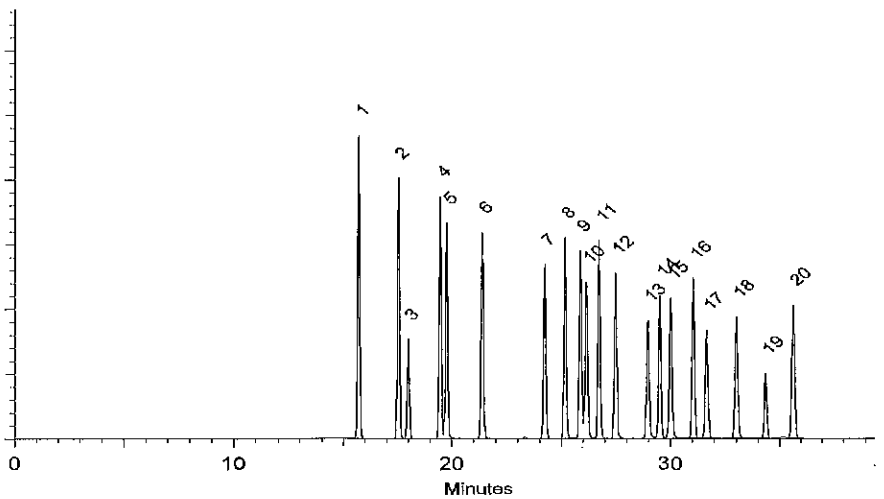
Carrier Gas:
hellium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD



Certificate of Analysis

ULTRA SCIENTIFIC
Analytical Solutions

Organochlorine Pesticides Mixture

Product Number: PPM-808C

Lot Number: CH-3658 **Lot Issue Date:** 01-Dec-2011 **Expiration Date:** 31-Dec-2013

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

1:100 (1ml in 100)
1:400 (250uls in 100uls)

Analyte	CAS#	Analyte Lot	True Value
aldrin	000309-00-2	RM00635-01	1002 ± 5 µg/mL
alpha-BHC	000319-84-6	RM02725-01	1002 ± 5 µg/mL
beta-BHC	000319-85-7	RM02724-02	1002 ± 5 µg/mL
delta-BHC	000319-86-8	RM02723-05	1002 ± 5 µg/mL
gamma-BHC	000058-89-9	RM02694-04	1002 ± 5 µg/mL
alpha-chlordane	005103-71-9	RM02742-03	1002 ± 5 µg/mL
gamma-chlordane	005103-74-2	RM02726-08	1002 ± 5 µg/mL
4,4'-DDD	000072-54-8	RM00615-01	1002 ± 5 µg/mL
4,4'-DDE	000072-55-9	RM02892-02	1002 ± 5 µg/mL
4,4'-DDT	000050-29-3	RM02881-01	1002 ± 5 µg/mL
dieldrin	000060-57-1	RM03957-01	1002 ± 5 µg/mL
endosulfan I	000959-98-8	RM00834-01	1002 ± 5 µg/mL
endosulfan II	033213-65-9	RM02906-02	1002 ± 5 µg/mL
endosulfan sulfate	001031-07-8	RM02897-01	1002 ± 5 µg/mL
endrin	000072-20-8	256-27A	1002 ± 5 µg/mL
endrin aldehyde	007421-93-4	ER082306-01	1002 ± 5 µg/mL
endrin ketone	053494-70-5	RM00212-02	1002 ± 5 µg/mL
heptachlor	000076-44-8	RM03111-02	1002 ± 5 µg/mL
heptachlor epoxide - isomer B	001024-57-3	RM03131-03	1002 ± 5 µg/mL

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

A2LA ACCREDITED
ISO 17025:2005 Accredited A2LA Cert. No. 0851-01

ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1009

250 Smith Street, North Kingstown, RI 02852 USA
401-294-9400 Fax: 295-2330
wwww.ultrasci.com

William J. Leary
Quality Assurance Manager

Certificate of Analysis

ULTRA SCIENTIFIC
Analytical Solutions

Organochlorine Pesticides Mixture

Product Number: PPM-808C

Lot Number: CH-3658 **Lot Issue Date:** 01-Dec-2011 **Expiration Date:** 31-Dec-2013

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

methoxychlor	000072-43-5	RM01712-05	1002 ± 5 µg/mL

Matrix: hexane/toluene (1:1)

Storage: Store at Room Temperature (18-25°C). Do Not Refrigerate.

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

ACCREDITED
ISO 17025:2005
Accredited
A2LA
Cert. No. 0851-01

ISO 9001:2008
Registered
TUV USA, Inc.
Cert. No. 09-1009

250 Smith Street, North Kingstown, RI 02852 USA
401-294-9400 Fax: 295-2330
wwww.ultrasci.com

William J. Leary
Quality Assurance Manager

Rcvd 12-8-11 Recd 3 vials

RESTEK

Certificate of Analysis

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No.: 32291 **Lot No.:** A076528

Description : Organochlorine Pesticide Mix AB #1

Expiration Date[1]**:** August 2014 **Storage:** Refrigerate

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	% Uncertainty [4] (95% C.L.; K=2)
1	alpha-BHC	319-84-6	99%	200.000 ug/ml	+/-0.59 %
2	gamma-BHC (Lindane)	58-89-9	99%	200.200 ug/ml	+/-0.59 %
3	beta-BHC	319-85-7	99%	200.000 ug/ml	+/-0.59 %
4	delta-BHC	319-86-8	99%	200.000 ug/ml	+/-0.59 %
5	Heptachlor	76-44-8	99%	200.000 ug/ml	+/-0.59 %
6	Aldrin	309-00-2	99%	200.000 ug/ml	+/-0.59 %
7	Heptachlor epoxide (isomer B)	1024-57-3	99%	200.000 ug/ml	+/-0.59 %
8	trans-Chlordane	5103-74-2	99%	200.000 ug/ml	+/-0.59 %
9	cis-Chlordane	5103-71-9	97%	200.014 ug/ml	+/-0.59 %
10	4,4'-DDE	72-55-9	99%	200.200 ug/ml	+/-0.59 %
11	Endosulfan I	959-98-8	99%	200.000 ug/ml	+/-0.59 %
12	Dieldrin	60-57-1	99%	200.200 ug/ml	+/-0.59 %
13	Endrin	72-20-8	97%	200.208 ug/ml	+/-0.59 %
14	4,4'-DDD	72-54-8	97%	200.014 ug/ml	+/-0.59 %
15	Endosulfan II	33213-65-9	99%	200.000 ug/ml	+/-0.59 %
16	4,4'-DDT	50-29-3	99%	200.000 ug/ml	+/-0.59 %
17	Endrin aldehyde	7421-93-4	98%	200.116 ug/ml	+/-0.59 %
18	Methoxychlor	72-43-5	99%	200.000 ug/ml	+/-0.59 %
19	Endosulfan sulfate	1031-07-8	99%	200.000 ug/ml	+/-0.59 %
20	Endrin ketone	53494-70-5	95%	200.260 ug/ml	+/-0.59 %
Solvent:	Hexane/Toluene (50:50)	110-54-3/108-88-3	99%		

Column:
30m x .25mm x .20m
Rtx-CLP II (cat.# 11323)

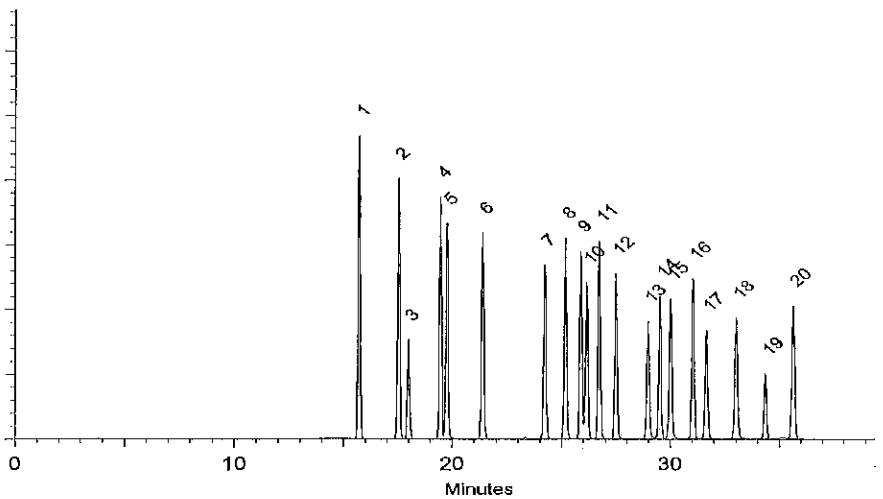
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD



Rcvd 12-8-11 Recd 3 vials

RESTEK

Certificate of Analysis

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No.: 32291 **Lot No.:** A076528

Description : Organochlorine Pesticide Mix AB #1

Expiration Date[1]**:** August 2014 **Storage:** Refrigerate

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	% Uncertainty [4] (95% C.L.; K=2)
1	alpha-BHC	319-84-6	99%	200.000 ug/ml	+/-0.59 %
2	gamma-BHC (Lindane)	58-89-9	99%	200.200 ug/ml	+/-0.59 %
3	beta-BHC	319-85-7	99%	200.000 ug/ml	+/-0.59 %
4	delta-BHC	319-86-8	99%	200.000 ug/ml	+/-0.59 %
5	Heptachlor	76-44-8	99%	200.000 ug/ml	+/-0.59 %
6	Aldrin	309-00-2	99%	200.000 ug/ml	+/-0.59 %
7	Heptachlor epoxide (isomer B)	1024-57-3	99%	200.000 ug/ml	+/-0.59 %
8	trans-Chlordane	5103-74-2	99%	200.000 ug/ml	+/-0.59 %
9	cis-Chlordane	5103-71-9	97%	200.014 ug/ml	+/-0.59 %
10	4,4'-DDE	72-55-9	99%	200.200 ug/ml	+/-0.59 %
11	Endosulfan I	959-98-8	99%	200.000 ug/ml	+/-0.59 %
12	Dieldrin	60-57-1	99%	200.200 ug/ml	+/-0.59 %
13	Endrin	72-20-8	97%	200.208 ug/ml	+/-0.59 %
14	4,4'-DDD	72-54-8	97%	200.014 ug/ml	+/-0.59 %
15	Endosulfan II	33213-65-9	99%	200.000 ug/ml	+/-0.59 %
16	4,4'-DDT	50-29-3	99%	200.000 ug/ml	+/-0.59 %
17	Endrin aldehyde	7421-93-4	98%	200.116 ug/ml	+/-0.59 %
18	Methoxychlor	72-43-5	99%	200.000 ug/ml	+/-0.59 %
19	Endosulfan sulfate	1031-07-8	99%	200.000 ug/ml	+/-0.59 %
20	Endrin ketone	53494-70-5	95%	200.260 ug/ml	+/-0.59 %
Solvent:	Hexane/Toluene (50:50)	110-54-3/108-88-3	99%		

Column:
30m x .25mm x .20m
Rtx-CLP II (cat.# 11323)

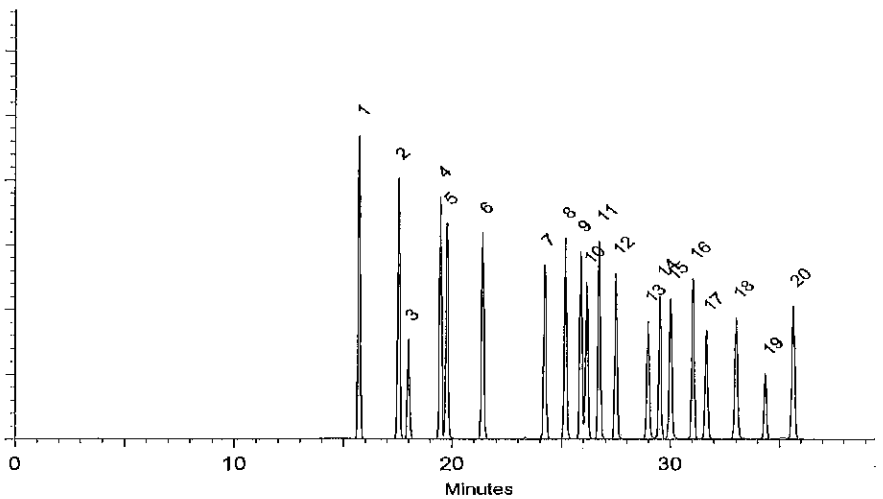
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD



RESTEK

Certificate of Analysis

110 Benner Circle
Bellefonte, PA 16823-8812
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Fax: (814)353-1309

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 32021 **Lot No.:** A072897

Description : Technical Chlordane Mix

Expiration Date[1]**:** November 2016 **Storage:** Refrigerate

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	% Uncertainty [4] (95% C.L.; K=2)
1	Chlordane (Technical)	57-74-9	----%	1,000.000 ug/ml	+/-0.59 %
Solvent:	Hexane	110-54-3	99%		

Rec'd 1.11.11 2 vials

Column:
30m x .25mm x .2um
Rtx-CLPesticides (cat.# 11323)

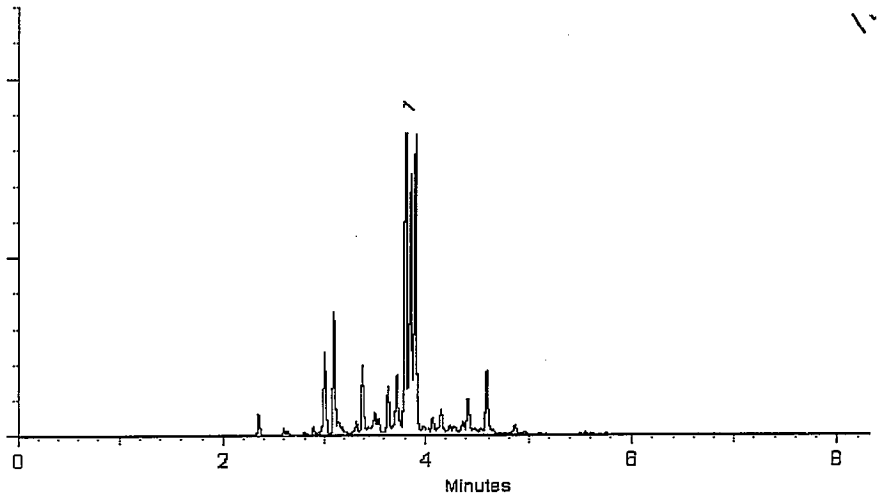
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



Diane Shaffer - QA Analyst

Date Passed: 12-Feb-2010 **Balance:** 1128342314

Manufactured under Restek's ISO 9001-2000 Registered Quality System Certificate #FM80397

1 Expiration date of the unopened ampule stored at recommended temperature.

2A Purity was determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Value rounded to the nearest whole number. In addition to detectors listed above, chemical identity and purity are confirmed using one or more of the following: MS, DSC, solid probe MS, GC/FPD, GC/NPD, GC/TC, FTIR, melting point, refractive index, and Karl Fisher. See data pack or contact Restek for further details.

2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.

2C Compounds with a listed purity of less than 99% may be salts, derivatives, or hydrates. The listed purity is actually a correction factor that was used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound.

2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.

3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.

4 Uncertainties determined using repeatability and reproducibility data for balances and glassware from measurement systems analysis methodology, balance and glassware tolerances, raw material purity, and, where applicable, eccentricity and linearity values from an accredited calibration laboratory.

126 Market Street
New Haven, CT 06513 US

Tel (203) 786-5290 Fax (203) 786-5287
Web www.accustandard.com

AccuStandard, Inc.

CERTIFICATE OF ANALYSIS

CATALOG NO: AS-E0089
DESCRIPTION: Chlordane
LOT: 211091041
SOLVENT: Methanol

DATE CERTIFIED: Sep 6, 2011
EXPIRATION: Sep 6, 2021
SAMPLE SIZE: 1 mL
STORAGE CONDITION: Ambient
HAZARDS: HIGHLY FLAMMABLE

[X] Included on ISO/IEC 17025 Scope of Accreditation
[X] Included on ISO Guide 34 Scope of Accreditation

Component	CAS No.	Purity % (GC/MS)	Prepared Concentration[1] (µg/mL)	Certified Analyte Concentration[2] (µg/mL)
Chlordane (Tech)	12789-03-6	Tech Mix	1001	1001

Rec'd 12/9/11 1 vial

Please note:
A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

AccuStandard follows U.S. conventions in reporting numerical values on both certificates and labels:

A comma (,) is used to separate units of one-thousand or greater.
A period (.) is used as a decimal place marker.

1. All weights are traceable through NIST, Test No. 822/272103-05
2. Certified Analyte Concentration = Purity x Prepared Concentration. The Uncertainty associated with the gravimetric values reported on this certificate is ±0.24%. The CRM Uncertainty calculated for this product is ±5%. These values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Certified by: R. Cooper
Russ Cooper, QC Manager

For use in routine laboratory analysis. Refer to the MSDS for additional information.

AccuStandard is accredited to ISO Guide 34, ISO/IEC 17025 and certified to ISO 9001.

QR-ORG/INC-001
Rev. 00/05

Alteration of any information contained herein without written permission from AccuStandard strictly prohibited.

Certificate of Analysis

DESCRIPTION: Toxaphene

CATALOG NO.: 48103 MFG DATE: Feb-2011

LOT NO.: LB82082 EXPIRATION DATE: Feb-2014

SOLVENT: ISOOCTANE

ANALYTE	CAS NUMBER	PERCENT PURITY(1)	WEIGHT(2) CONCENTRATION	ANALYTICAL(3) CONCENTRATION	STD DEV	SUPELCO LOT NO
TOXAPHENE	8001-35-2	N/A (a)	1000	956	+/- 16.2	LA47407

SGPESTTOX 00011

Rec'd 12-12-11 1 vial

(1) Determined by capillary GC-FID, unless otherwise noted.
a) Complex mix - Can't Determine

(2) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, uncertainty based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure.

(3) Determined by chromatographic analysis against an independently prepared reference lot. Mean of replicate injections.

Elwood Doughty
Quality Control Supervisor

Supelco warrants that its products conform to the information contained in this publication. Purchaser must determine the suitability of the product for its particular use. Please see the latest catalog or order invoice and packing slip for additional terms and conditions of sale.

SUPELCO Analytical
595 North Harrison Road
Bellefonte, PA 16823-0048 USA
Phone (814) 359-3441

Rec'd 12-8-11. 2 vials

RESTEK

Certificate of Analysis

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 32005 **Lot No.:** A080394

Description : Toxaphene Standard

Pesticide Mix, toxaphene, 1,000µg/ml, Hexane, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] June 2015 **Storage:** 10°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	% Grav.Uncert. (95% C.L.; K=2) [4]
1	Toxaphene	8001-35-2	99%	1,000.0 ug/ml	+/-0.59 %
Solvent:	Hexane	110-54-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

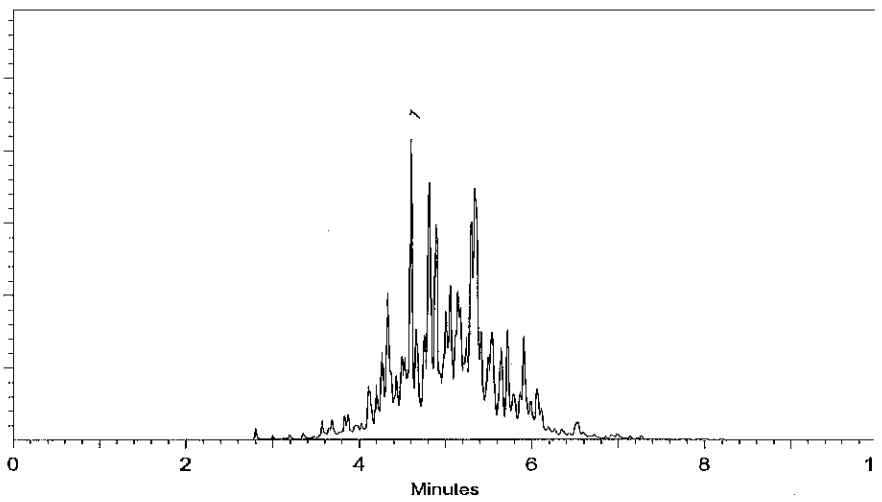
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



Rec'd 12-8-11. 2vials

RESTEK

Certificate of Analysis

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 32005 **Lot No.:** A080394

Description : Toxaphene Standard

Pesticide Mix, toxaphene, 1,000µg/ml, Hexane, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] June 2015 **Storage:** 10°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	% Grav.Uncert. (95% C.L.; K=2) [4]
1	Toxaphene	8001-35-2	99%	1,000.0 ug/ml	+/-0.59 %
Solvent:	Hexane	110-54-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

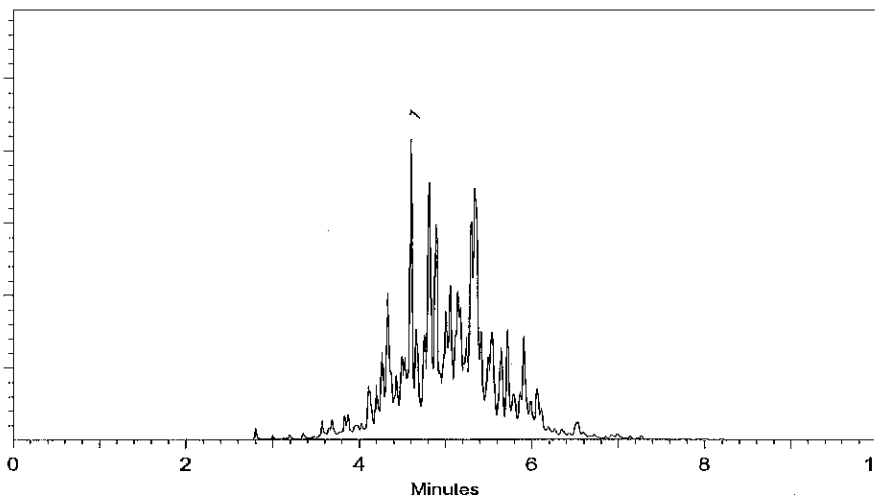
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.Restek.com

Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 566300 **Lot No.:** A081795

Description : Custom Revised 8270 Mix #1

Container Size : [5] 5 mL **Pkg Amt:** [5] > 2 mL

Expiration Date : [1] May 2016 **Storage:** 10°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. [3] (weight/volume)	Grav.Uncert. [4] (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	99%	400.000 ug/mL	+/- 2.7 ug/mL
2	2-Fluorophenol	367-12-4	99%	400.000 ug/mL	+/- 2.7 ug/mL
3	2-Chlorophenol-d4	93951-73-6	99%	400.000 ug/mL	+/- 2.7 ug/mL
4	Phenol-d6	13127-88-3	99%	400.000 ug/mL	+/- 2.7 ug/mL
5	2-Chlorophenol	95-57-8	99%	400.000 ug/mL	+/- 3.0 ug/mL
6	Phenol	108-95-2	99%	400.000 ug/mL	+/- 3.0 ug/mL
7	1,4-Dichlorobenzene	106-46-7	99%	400.000 ug/mL	+/- 2.7 ug/mL
8	Benzyl alcohol	100-51-6	99%	400.000 ug/mL	+/- 2.7 ug/mL
9	2-Methylphenol (o-cresol)	95-48-7	99%	400.000 ug/mL	+/- 3.0 ug/mL
10	4-Methylphenol (p-cresol)	106-44-5	99%	400.000 ug/mL	+/- 3.0 ug/mL
11	2-Nitrophenol	88-75-5	99%	400.000 ug/mL	+/- 3.0 ug/mL
12	2,4-Dimethylphenol	105-67-9	99%	400.000 ug/mL	+/- 3.0 ug/mL
13	2,4-Dichlorophenol	120-83-2	99%	400.000 ug/mL	+/- 3.0 ug/mL
14	Benzoic acid	65-85-0	99%	400.000 ug/mL	+/- 3.0 ug/mL
15	4-Chloro-3-methylphenol	59-50-7	99%	400.000 ug/mL	+/- 3.0 ug/mL
16	2,4,6-Trichlorophenol	88-06-2	99%	400.000 ug/mL	+/- 3.0 ug/mL
17	2,4,5-Trichlorophenol	95-95-4	99%	400.000 ug/mL	+/- 3.0 ug/mL
18	2,4-Dinitrophenol	51-28-5	97%	399.989 ug/mL	+/- 3.0 ug/mL
19	2,3,5,6-Tetrachlorophenol	935-95-5	99%	400.000 ug/mL	+/- 2.7 ug/mL
20	4-Nitrophenol	100-02-7	99%	400.000 ug/mL	+/- 3.0 ug/mL
21	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	99%	400.000 ug/mL	+/- 3.0 ug/mL
22	2,4,6-Tribromophenol	118-79-6	99%	400.000 ug/mL	+/- 2.7 ug/mL
23	Pentachlorophenol	87-86-5	97%	399.989 ug/mL	+/- 3.0 ug/mL

RESTEK

Certificate of Analysis

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Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 57833 **Lot No.:** A081245
Description : Custom Revised 8270 Mix # 2
Container Size : [5] 2 mL **Pkg Amt:** [5] > 2 mL
Expiration Date : [1] April 2013 **Storage:** 0°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. [3] (weight/volume)	% Grav.Uncert. [4] (95% C.L.; K=2)
1	N-Nitrosodimethylamine	62-75-9	99%	400.000 ug/mL	+/-0.67 %
2	Pyridine	110-86-1	99%	400.000 ug/mL	+/-0.67 %
3	Aniline	62-53-3	100%	400.000 ug/mL	+/-0.67 %
4	N-Nitroso-di-n-propylamine	621-64-7	99%	400.000 ug/mL	+/-0.67 %
5	4-Chloroaniline	106-47-8	99%	400.000 ug/mL	+/-0.67 %
6	2,4-Diaminotoluene	95-80-7	99%	400.000 ug/mL	+/-0.67 %
7	3-Nitroaniline	99-09-2	99%	400.000 ug/mL	+/-0.67 %
8	2-Nitroaniline	88-74-4	99%	400.000 ug/mL	+/-0.67 %
9	4-Nitroaniline	100-01-6	99%	400.000 ug/mL	+/-0.67 %
10	N-Nitrosodiphenylamine	86-30-6	97%	399.640 ug/mL	+/-0.67 %
11	Atrazine	1912-24-9	99%	400.000 ug/mL	+/-0.67 %
12	Benzidine	92-87-5	99%	400.000 ug/mL	+/-0.67 %
13	3,3'-Dichlorobenzidine	91-94-1	99%	400.000 ug/mL	+/-0.67 %
14	4,4-Methylene-bis(2-chloroaniline)	101-14-4	98%	399.840 ug/mL	+/-0.67 %
15	3,3'-Dimethoxybenzidine	119-90-4	99%	400.000 ug/mL	+/-0.67 %
Solvent:	Methylene Chloride (MEOH FREE)	75-09-2	99%		

Column:
30m x .25mm x .25um
Rtx-5 (cat.#10223)

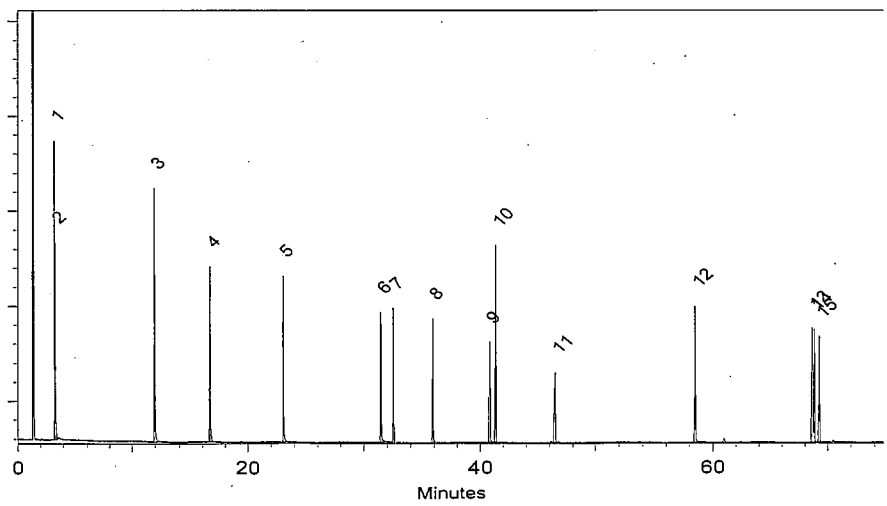
Carrier Gas:
hydrogen-constant pressure 10 psi

Temp. Program:
35°C (hold 3 min.) to 330°C
@ 3°C/min. (hold 3 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
FID



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Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 57834 **Lot No.:** A083779

Description : Custom Revised 8270 Mix # 3

Container Size : [5] 2 mL **Pkg Amt:** [5] > 2 mL

Expiration Date : [1] December 2014 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive.

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	Ethyl methacrylate	97-63-2	99%	400.0 ug/mL	+/- 2.8363 ug/mL
2	Acetophenone	98-86-2	99%	400.0 ug/mL	+/- 2.8363 ug/mL
3	Isophorone	78-59-1	99%	400.0 ug/mL	+/- 2.8363 ug/mL
4	Naphthalene	91-20-3	99%	400.0 ug/mL	+/- 2.8363 ug/mL
5	epsilon-Caprolactam	105-60-2	99%	400.0 ug/mL	+/- 2.8363 ug/mL
6	1-Methylnaphthalene	90-12-0	99%	400.0 ug/mL	+/- 2.8363 ug/mL
7	2-Methylnaphthalene	91-57-6	97%	399.6 ug/mL	+/- 2.8338 ug/mL
8	Biphenyl	92-52-4	99%	400.0 ug/mL	+/- 2.8363 ug/mL
9	Acenaphthylene	208-96-8	99%	400.0 ug/mL	+/- 2.8363 ug/mL
10	Dimethylphthalate	131-11-3	99%	400.0 ug/mL	+/- 2.8363 ug/mL
11	Acenaphthene	83-32-9	99%	400.0 ug/mL	+/- 2.8363 ug/mL
12	Dibenzofuran	132-64-9	99%	400.0 ug/mL	+/- 2.8363 ug/mL
13	Fluorene	86-73-7	99%	400.0 ug/mL	+/- 2.8363 ug/mL
14	Diethylphthalate	84-66-2	99%	400.0 ug/mL	+/- 2.8363 ug/mL
15	Azobenzene	103-33-3	99%	400.0 ug/mL	+/- 2.8363 ug/mL
16	Sulfotepp	3689-24-5	99%	400.0 ug/mL	+/- 2.8363 ug/mL
17	Phenanthrene	85-01-8	99%	400.0 ug/mL	+/- 2.8363 ug/mL
18	Anthracene	120-12-7	99%	400.0 ug/mL	+/- 2.8363 ug/mL
19	Carbazole	86-74-8	98%	399.8 ug/mL	+/- 2.8352 ug/mL
20	Di-n-butylphthalate	84-74-2	99%	400.0 ug/mL	+/- 2.8363 ug/mL
21	Fluoranthene	206-44-0	98%	399.8 ug/mL	+/- 2.8352 ug/mL
22	Pyrene	129-00-0	98%	399.8 ug/mL	+/- 2.8352 ug/mL
23	Benzyl butyl phthalate	85-68-7	99%	400.0 ug/mL	+/- 2.8363 ug/mL
24	Benz(a)anthracene	56-55-3	99%	400.0 ug/mL	+/- 2.8363 ug/mL
25	Chrysene	218-01-9	99%	400.0 ug/mL	+/- 2.8363 ug/mL
26	Bis(2-ethylhexyl)phthalate	117-81-7	99%	400.0 ug/mL	+/- 2.8363 ug/mL
27	Di-n-octyl phthalate	117-84-0	98%	399.8 ug/mL	+/- 2.8352 ug/mL
28	Benzo(b)fluoranthene	205-99-2	99%	400.0 ug/mL	+/- 2.8363 ug/mL
29	Benzo(k)fluoranthene	207-08-9	99%	400.0 ug/mL	+/- 2.8363 ug/mL
30	Benzo(a)pyrene	50-32-8	99%	400.0 ug/mL	+/- 2.8363 ug/mL
31	Indeno(1,2,3-cd)pyrene	193-39-5	99%	400.0 ug/mL	+/- 2.8363 ug/mL
32	Dibenz(a,h)anthracene	53-70-3	99%	400.0 ug/mL	+/- 2.8363 ug/mL
33	Benzo(g,h,i)perylene	191-24-2	99%	400.0 ug/mL	+/- 2.8363 ug/mL

Solvent: Methylene Chloride (MEOH FREE) 75-09-2 99%

Column:
30m x .25mm x .25um
Rtx-5 (cat.#10223)

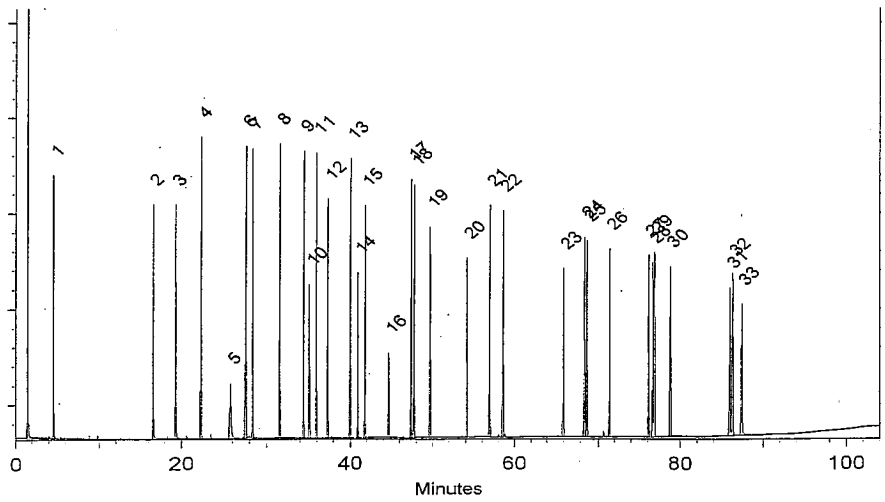
Carrier Gas:
hydrogen-constant pressure 10 psi

Temp. Program:
35°C (hold 3 min.) to 330°C
@ 3°C/min. (hold 3 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
FID



John Lidgett - QA Analyst **Date Passed:** 12-Sep-2011 **Balance:** 1128342314

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

1 Expiration date of the unopened ampule stored at the recommended storage condition is the last day of the month listed.

2A Purity and chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Purity value is rounded to the nearest whole number. See data pack or contact Restek for further details.

2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.

2C The following types of compounds will have a listed purity of less than 99%: Aldehyde/Ketone-DNPH compounds, Bromides, Chlorides, HCL salts, HBR salts, sulfates, hydrates, and other compounds as necessary. The listed purity is a correction factor that is equivalent to the percentage of parent compound in the molecule. This correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution. The concentration listed on the certificate is the concentration of the parent compound in the solution.

2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.

3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.

4 Uncertainties determined using data for balances and glassware from measurement systems analysis methodology, raw material purity, and, when significant, equipment tolerances or calibration results.

5A Containers are overfilled to ensure the packaged amount, as a minimum.

5B Restek supplies deactivated vials along with most standards packed in 2 mL ampules, for the handling and storage of standards. Due to space constraints, Restek does not supply vials for larger volume ampules. Samples should be transferred into deactivated vials for handling and storage. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory, as a custom ordered item. Contact your Restek sales or customer service representative for details.

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Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 566299 **Lot No.:** A081933

Description : Custom Revised 8270 Mix #4

Container Size : [5] 5 mL **Pkg Amt:** [5] > 2 mL

Expiration Date : [1] May 2014 **Storage:** 10°C or colder

Handling: Sonicate prior to use.

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	3-Chloropropionitrile	542-76-7	99%	400.0 ug/mL	+/- 2.7 ug/mL
2	Malononitrile	109-77-3	99%	400.0 ug/mL	+/- 2.7 ug/mL
3	Benzaldehyde	100-52-7	99%	400.0 ug/mL	+/- 2.7 ug/mL
4	Bis(2-chloroethyl)ether	111-44-4	99%	400.0 ug/mL	+/- 2.7 ug/mL
5	1,3-Dichlorobenzene	541-73-1	99%	400.0 ug/mL	+/- 2.7 ug/mL
6	1,2-Dichlorobenzene-d4	2199-69-1	99%	400.0 ug/mL	+/- 2.7 ug/mL
7	1,2-Dichlorobenzene	95-50-1	99%	400.0 ug/mL	+/- 2.7 ug/mL
8	Bis(2-chloroisopropyl)ether	108-60-1	99%	400.0 ug/mL	+/- 2.7 ug/mL
9	Hexachloroethane	67-72-1	99%	400.0 ug/mL	+/- 2.7 ug/mL
10	Nitrobenzene-d5	4165-60-0	99%	400.0 ug/mL	+/- 2.7 ug/mL
11	Nitrobenzene	98-95-3	99%	400.0 ug/mL	+/- 2.7 ug/mL
12	1,2,4-Trichlorobenzene	120-82-1	97%	399.6 ug/mL	+/- 2.7 ug/mL
13	Bis(2-chloroethoxy)methane	111-91-1	99%	400.0 ug/mL	+/- 2.7 ug/mL
14	1,3,5-Trichlorobenzene	108-70-3	99%	400.0 ug/mL	+/- 2.7 ug/mL
15	1,2,3-Trichlorobenzene	87-61-6	99%	400.0 ug/mL	+/- 2.7 ug/mL
16	Hexachlorobutadiene	87-68-3	98%	399.8 ug/mL	+/- 2.7 ug/mL
17	1,2,3,4-Tetrachlorobenzene	634-66-2	95%	400.0 ug/mL	+/- 2.7 ug/mL
18	Hexachlorocyclopentadiene	77-47-4	99%	400.0 ug/mL	+/- 2.7 ug/mL
19	2-Fluorobiphenyl	321-60-8	99%	400.0 ug/mL	+/- 2.7 ug/mL
20	2-Chloronaphthalene	91-58-7	99%	400.0 ug/mL	+/- 2.7 ug/mL
21	1,2,3,5-Tetrachlorobenzene	634-90-2	99%	400.0 ug/mL	+/- 2.7 ug/mL
22	2,6-Dinitrotoluene	606-20-2	99%	400.0 ug/mL	+/- 2.7 ug/mL
23	1,2-Dinitrobenzene	528-29-0	99%	400.0 ug/mL	+/- 2.7 ug/mL
24	2,4-Dinitrotoluene	121-14-2	99%	400.0 ug/mL	+/- 2.7 ug/mL
25	4-Chlorophenyl phenyl ether	7005-72-3	99%	400.0 ug/mL	+/- 2.7 ug/mL
26	4-Bromophenyl phenyl ether	101-55-3	98%	399.8 ug/mL	+/- 2.7 ug/mL
27	Hexachlorobenzene	118-74-1	99%	400.0 ug/mL	+/- 2.7 ug/mL
28	p-Terphenyl-d14	1718-51-0	97%	399.6 ug/mL	+/- 2.7 ug/mL

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CERTIFICATE OF ANALYSIS

Catalog No: APP-9-091-50X
Description: 2,4-Dinitrophenol
Lot: B7040078
Solvent: Methanol

Date Certified: Apr 10, 2007
Expiration: Apr 10, 2017
Sample Size: 1 mL
Storage Condition: Ambient
Hazards: HIGHLY FLAMMABLE

[X] Included on ISO/IEC 17025 Scope of Accreditation
[X] Included on ISO Guide 34 Scope of Accreditation

Component	CAS #	Purity % (GC/MS)	Prepared Concentration[1] (µg/mL)	Certified Analyte Concentration[2] (µg/mL)
2,4-Dinitrophenol	51-28-5	100	5003	5003

AccuStandard follows U.S. conventions in reporting numerical values on both certificates and labels:

A comma (,) is used to separate units of one-thousand or greater.
A period (.) is used as a decimal place marker.

1. All weights are traceable through NIST, Test No.822/272103-05
2. Certified Analyte Concentration = Purity x Prepared Concentration. The Uncertainty associated with the gravimetric values reported on this certificate is ±0.24%. The CRM Uncertainty calculated for this product is ±5%. These values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.
3. A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot# has had its expiration date extended and is identical to the same lot# without the suffix.

For use in routine laboratory analysis.

See reverse side for additional information
Refer to the MSDS for additional safety information

Certified by: R. Cooper
Russ Cooper, QC Manager

CERTIFICATION REPORT

1. **Quality Documentation:** This certificate is designed in accordance with ISO Guide 31 (Reference Materials - Contents of Certificates and Labels) and ISO Guide 35 (Reference Materials – General and Statistical Principles for Certification).

2. **Quality Standards:**

   ISO Guide 34 - General Requirements for the Competence of Reference Material Producers ACLASS Certificate Number AR-1463

   AR-1463

   ISO/IEC 17025:2005 - General Requirements for the Competence of Testing and Calibration Laboratories ACLASS Certificate Number AT-1339

   AT-1339

   ISO 9001:2008 Quality Management System - Requirements Eagle Registrations Certificate Number 3774

3. **Intended Use:** The product covered by this certificate is designed for calibration or for use in quality control procedures for the specified chemical compounds listed on the reverse side. This product can be used for quantification and/or identification. This product can also be used as a reference material to validate analytical procedures, subject to the conditions under Section 11. If dilution is required, use only Class A glassware and diluent compatible with all certified analytes in this preparation. All solutions should be thoroughly mixed prior to use.

4. **Raw Materials:** Reference standards are prepared from the highest quality starting materials with defined purities. All analytes and solvents are obtained from pre-qualified vendors and then analyzed or evaluated prior to use.

5. **Manufacturing:** All balances are calibrated daily using an in-house procedure with weights that are compared annually to master weights and traceable to NIST. The balances are also calibrated annually by an ISO/IEC 17025 accredited calibration laboratory. Please refer to the NIST test number listed on the front of this certificate. Class A glassware is used in the manufacture and quality control of all standards and calibrated using an in-house procedure. Good Laboratory Practices have been used throughout the preparation of this CRM.

6. **Homogeneity Assessment:** Homogeneity of the finished product is assessed by analyzing sample batches or by other methods consistent with the intended use of the product and by procedures that comply with the appropriate Quality System requirements, and ISO Guide 35.

7. **Stability Assessment:** The manufacturer guarantees the stability of this solution through the expiration date stated on the label, when handled and stored according to the conditions stated on the label. To ensure a uniform solution, mix the contents of the sealed container thoroughly prior to use. Care should be taken not to contaminate the contents of the original container.

8. **Analytical Quality Control:** Products are tested by validated analytical methods specified in the manufacturer's quality system.

9. **Uncertainty Statistics and Confidence Limits:** The uncertainty values as stated on the face of this certificate have been determined using the EURACHEM/CITAC Guide (Quantifying Uncertainty in Analytical Measurement). We have evaluated both Type A (based on a series of observations) and Type B (manufacturers specifications and calibration data) factors and report a combined expanded uncertainty equal to the positive square root of the total variance of the uncertainty of the components using the following formula: $u_m = \sqrt{(u(P))^2 + (u(m))^2 + (u(V))^2}$. The expanded uncertainty, U, assumes a normal distribution and a coverage factor of k=2 is chosen using approximately a 95% confidence level. Laboratories accredited to ISO/IEC 17025 and ISO Guide 34 are required to estimate uncertainty budgets associated with the measurements they make. However, for analysis, the certified value should be used as the actual value.

10. **Warranties:** The manufacturer warrants that its products shall conform to the description of such products as provided in its catalog or on the specific product label. This warranty is exclusive, and the manufacturer makes no other warranty, express or implied, including any implied warranty of merchantability or fitness for any particular purpose.

11. **Legal Notice and Limit of Liability:** This product is for routine laboratory analysis and research purposes only. Due to the hazardous nature, only trained personnel should handle this product. The company's liability will be limited to replacement of product or refund of purchase price. Notice of claims must be made within thirty (30) days from date of delivery.

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CERTIFICATE OF ANALYSIS

Catalog No: Z-014D-1
Description: Benzoic acid
Lot: 211061093
Solvent: Dichloromethane

Date Certified: Jun 7, 2011
Expiration: Jun 7, 2021
Sample Size: 1 mL
Storage Condition: Ambient
Hazards: HARMFUL

[X] Included on ISO/IEC 17025 Scope of Accreditation
[X] Included on ISO Guide 34 Scope of Accreditation

Component	CAS #	Purity % MFG	Prepared Concentration[1] (µg/mL)	Certified Analyte Concentration[2] (µg/mL)
Benzoic acid	65-85-0	99.5	2004	1994

AccuStandard follows U.S. conventions in reporting numerical values on both certificates and labels:

A comma (,) is used to separate units of one-thousand or greater.
A period (.) is used as a decimal place marker.

1. All weights are traceable through NIST, Test No.822/272103-05
2. Certified Analyte Concentration = Purity x Prepared Concentration. The Uncertainty associated with the gravimetric values reported on this certificate is ±0.24%. The CRM Uncertainty calculated for this product is ±5%. These values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.
3. A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot# has had its expiration date extended and is identical to the same lot# without the suffix.

For use in routine laboratory analysis.

See reverse side for additional information
Refer to the MSDS for additional safety information

Certified by: R. Cooper
Russ Cooper, QC Manager

CERTIFICATION REPORT

1. **Quality Documentation:** This certificate is designed in accordance with ISO Guide 31 (Reference Materials - Contents of Certificates and Labels) and ISO Guide 35 (Reference Materials – General and Statistical Principles for Certification).

2. **Quality Standards:**

   ISO Guide 34 – General Requirements for the Competence of Reference Material Producers ACLASS Certificate Number AR-1463

   AR-1463

   ISO/IEC 17025:2005 - General Requirements for the Competence of Testing and Calibration Laboratories ACLASS Certificate Number AT-1339

   AT-1339

   ISO 9001:2008 Quality Management System - Requirements
   Eagle Registrations Certificate Number 3774

3. **Intended Use:** The product covered by this certificate is designed for calibration or for use in quality control procedures for the specified chemical compounds listed on the reverse side. This product can be used for quantification and/or identification. This product can also be used as a reference material to validate analytical procedures, subject to the conditions under Section 11. If dilution is required, use only Class A glassware and diluent compatible with all certified analytes in this preparation. All solutions should be thoroughly mixed prior to use.

4. **Raw Materials:** Reference standards are prepared from the highest quality starting materials with defined purities. All analytes and solvents are obtained from pre-qualified vendors and then analyzed or evaluated prior to use.

5. **Manufacturing:** All balances are calibrated daily using an in-house procedure with weights that are compared annually to master weights and traceable to NIST. The balances are also calibrated annually by an ISO/IEC 17025 accredited calibration laboratory. Please refer to the NIST test number listed on the front of this certificate. Class A glassware is used in the manufacture and quality control of all standards and calibrated.using an in-house procedure. Good Laboratory Practices have been used throughout the preparation of this CRM.

6. **Homogeneity Assessment:** Homogeneity of the finished product is assessed by analyzing sample batches or by other methods consistent with the intended use of the product and by procedures that comply with the appropriate Quality System requirements, and ISO Guide 35.

7. **Stability Assessment:** The manufacturer guarantees the stability of this solution through the expiration date stated on the label, when handled and stored according to the conditions stated on the label. To ensure a uniform solution, mix the contents of the sealed container thoroughly prior to use. Care should be taken not to contaminate the contents of the original container.

8. **Analytical Quality Control:** Products are tested by validated analytical methods specified in the manufacturer's quality system.

9. **Uncertainty Statistics and Confidence Limits:** The uncertainty values as stated on the face of this certificate have been determined using the EURACHEM/CITAC Guide (Quantifying Uncertainty in Analytical Measurement). We have evaluated both Type A (based on a series of observations) and Type B (manufacturers specifications and calibration data) factors and report a combined expanded uncertainty equal to the positive square root of the total variance of the uncertainty of the components using the following formula: $u_{\mathrm{m}} = \sqrt{(u(\mathrm{P}))^2 + (u(\mathrm{m}))^2 + (u(\mathrm{V}))^2}$. The expanded uncertainty, U, assumes a normal distribution and a coverage factor of k=2 is chosen using approximately a 95% confidence level. Laboratories accredited to ISO/IEC 17025 and ISO Guide 34 are required to estimate uncertainty budgets associated with the measurements they make. However, for analysis, the certified value should be used as the actual value.

10. **Warranties:** The manufacturer warrants that its products shall conform to the description of such products as provided in its catalog or on the specific product label. This warranty is exclusive, and the manufacturer makes no other warranty, express or implied, including any implied warranty of merchantability or fitness for any particular purpose.

11. **Legal Notice and Limit of Liability:** This product is for routine laboratory analysis and research purposes only. Due to the hazardous nature, only trained personnel should handle this product. The company's liability will be limited to replacement of product or refund of purchase price. Notice of claims must be made within thirty (30) days from date of delivery.

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CERTIFICATE OF ANALYSIS

Catalog No: APP-9-176-D-20X
Description: Pentachlorophenol
Lot: 211041014
Solvent: Dichloromethane

Date Certified: Apr 1, 2011
Expiration: Apr 1, 2021
Sample Size: 1 mL
Storage Condition: Ambient
Hazards: HARMFUL

[X] Included on ISO/IEC 17025 Scope of Accreditation
[X] Included on ISO Guide 34 Scope of Accreditation

Component	CAS #	Purity % (GC/FID)	Prepared Concentration[1] (µg/mL)	Certified Analyte Concentration[2] (µg/mL)
Pentachlorophenol	87-86-5	99.0	2007	1987

AccuStandard follows U.S. conventions in reporting numerical values on both certificates and labels:

A comma (,) is used to separate units of one-thousand or greater.
A period (.) is used as a decimal place marker.

1. All weights are traceable through NIST, Test No.822/272103-05
2. Certified Analyte Concentration = Purity x Prepared Concentration. The Uncertainty associated with the gravimetric values reported on this certificate is ±0.24%. The CRM Uncertainty calculated for this product is ±5%. These values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.
3. A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot# has had its expiration date extended and is identical to the same lot# without the suffix.

For use in routine laboratory analysis.

See reverse side for additional information
Refer to the MSDS for additional safety information

Certified by: R. Cooper
Russ Cooper, QC Manager

CERTIFICATION REPORT

1. **Quality Documentation:** This certificate is designed in accordance with ISO Guide 31 (Reference Materials – Contents of Certificates and Labels) and ISO Guide 35 (Reference Materials – General and Statistical Principles for Certification).

2. **Quality Standards:**

   ISO Guide 34 - General Requirements for the Competence of Reference Material Producers ACLASS Certificate Number AR-1463

   AR-1463

   ISO/IEC 17025:2005 - General Requirements for the Competence of Testing and Calibration Laboratories ACLASS Certificate Number AT-1339

   AT-1339

   ISO 9001:2008 Quality Management System - Requirements Eagle Registrations Certificate Number 3774

3. **Intended Use:** The product covered by this certificate is designed for calibration or for use in quality control procedures for the specified chemical compounds listed on the reverse side. This product can be used for quantification and/or identification. This product can also be used as a reference material to validate analytical procedures, subject to the conditions under Section 11. If dilution is required, use only Class A glassware and diluent compatible with all certified analytes in this preparation. All solutions should be thoroughly mixed prior to use.

4. **Raw Materials:** Reference standards are prepared from the highest quality starting materials with defined purities. All analytes and solvents are obtained from pre-qualified vendors and then analyzed or evaluated prior to use.

5. **Manufacturing:** All balances are calibrated daily using an in-house procedure with weights that are compared annually to master weights and traceable to NIST. The balances are also calibrated annually by an ISO/IEC 17025 accredited calibration laboratory. Please refer to the NIST test number listed on the front of this certificate. Class A glassware is used in the manufacture and quality control of all standards and calibrated using an in-house procedure. Good Laboratory Practices have been used throughout the preparation of this CRM.

6. **Homogeneity Assessment:** Homogeneity of the finished product is assessed by analyzing sample batches or by other methods consistent with the intended use of the product and by procedures that comply with the appropriate Quality System requirements, and ISO Guide 35.

7. **Stability Assessment:** The manufacturer guarantees the stability of this solution through the expiration date stated on the label, when handled and stored according to the conditions stated on the label. To ensure a uniform solution, mix the contents of the sealed container thoroughly prior to use. Care should be taken not to contaminate the contents of the original container.

8. **Analytical Quality Control:** Products are tested by validated analytical methods specified in the manufacturer's quality system.

9. **Uncertainty Statistics and Confidence Limits:** The uncertainty values as stated on the face of this certificate have been determined using the EURACHEM/CITAC Guide (Quantifying Uncertainty in Analytical Measurement). We have evaluated both Type A (based on a series of observations) and Type B (manufacturers specifications and calibration data) factors and report a combined expanded uncertainty equal to the positive square root of the total variance of the uncertainty of the components using the following formula: $u_m = \sqrt{(u(P))^2 + (u(m))^2 + (u(V))^2}$. The expanded uncertainty, U, assumes a normal distribution and a coverage factor of k=2 is chosen using approximately a 95% confidence level. Laboratories accredited to ISO/IEC 17025 and ISO Guide 34 are required to estimate uncertainty budgets associated with the measurements they make. However, for analysis, the certified value should be used as the actual value.

10. **Warranties:** The manufacturer warrants that its products shall conform to the description of such products as provided in its catalog or on the specific product label. This warranty is exclusive, and the manufacturer makes no other warranty, express or implied, including any implied warranty of merchantability or fitness for any particular purpose.

11. **Legal Notice and Limit of Liability:** This product is for routine laboratory analysis and research purposes only. Due to the hazardous nature, only trained personnel should handle this product. The company's liability will be limited to replacement of product or refund of purchase price. Notice of claims must be made within thirty (30) days from date of delivery.

Certificate of Composition

DESCRIPTION: TEST AMERICA

QUOTE 21492575 LOT NO.: LB90764 EXPIRATION DATE: Aug-2013

SOLVENT: BENZENE 25 %
METHYLENE CHLORIDE 75 %

ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)		WEIGHT CONCENTRATION (3)			SUPELCO LOT NO
ACENAPHTHENE	83-32-9	99.9		1000	+/-	5.0	LB82590
ACENAPHTHYLENE	208-96-8	99.9		1000	+/-	5.0	LB84923
ACETOPHENONE	98-86-2	99.2		1001	+/-	5.0	LB61700
ANILINE	62-53-3	99.9		1000	+/-	5.0	LA41596
ANTHRACENE	120-12-7	99.5		1000	+/-	5.0	LB77576
ATRAZINE	1912-24-9	99.9		1000	+/-	5.0	LB77962
AZOBENZENE	103-33-3	99.9		1000	+/-	5.0	LB83060
BENZALDEHYDE	100-52-7	99.9		999	+/-	5.0	LB82946
BENZIDINE	92-87-5	99.9		1000	+/-	5.0	LB83682
BENZO (A) ANTHRACENE	56-55-3	99.4	(a)	1000	+/-	5.0	LB78146
BENZO (A) PYRENE	50-32-8	99.9	(a)	1000	+/-	5.0	LB79478
BENZO (B) FLUORANTHENE	205-99-2	99.9		1000	+/-	5.0	LB77269
BENZO (G,H,I) PERYLENE	191-24-2	99.6		1000	+/-	5.0	LB62550
BENZO (K) FLUORANTHENE	207-08-9	99.9		1000	+/-	5.0	LB84765
BENZOIC ACID	65-85-0	99.9		2001	+/-	10.0	LA84486
BENZYL ALCOHOL	100-51-6	99.9		1001	+/-	5.0	LB48374
BENZYL BUTYL PHTHALATE	85-68-7	98.6		1000	+/-	5.0	LB60340
BIPHENYL	92-52-4	99.9		1002	+/-	5.0	LB30457
BIS (2-CHLOROETHOXY) METHANE	111-91-1	98.5		1000	+/-	5.0	LB71304

(1) Listed in alphabetical order.

(2) Determined by capillary GC-FID, unless otherwise noted.
a) HPLC UV-254NM

(3) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, uncertainty based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure.

Elwood Doughty
QA Manager

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SOLVENT: BENZENE 25 %
METHYLENE CHLORIDE 75 %

ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)	WEIGHT CONCENTRATION (3)			SUPELCO LOT NO
BIS (2-CHLOROETHYL) ETHER	111-44-4	99.9	1000	+/-	5.0	LB33319
BIS (2-CHLOROISOPROPYL) ETHER	108-60-1	97.4	1000	+/-	5.0	LB84548
BIS (2-ETHYLHEXYL) PHTHALATE	117-81-7	99.7	1000	+/-	5.0	LB58359
CAPROLACTAM	105-60-2	99.9	1000	+/-	5.0	LB34145
CARBAZOLE	86-74-8	99.9	1000	+/-	5.0	LB60643
CHRYSENE	218-01-9	98.4	1000	+/-	5.0	LB85109
DI-N-BUTYL PHTHALATE	84-74-2	99.5	1000	+/-	5.0	LB64921
DI-N-OCTYL PHTHALATE	117-84-0	99.9	1000	+/-	5.0	LB83131
DIBENZ (A,H) ANTHRACENE	53-70-3	99.9	1000	+/-	5.0	LB87229
DIBENZOFURAN	132-64-9	98.9	1000	+/-	5.0	LB78814
DIETHYL PHTHALATE	84-66-2	99.2	1000	+/-	5.0	LB60384
DIMETHYL PHTHALATE	131-11-3	99.9	1000	+/-	5.0	LB30494
FLUORANTHENE	206-44-0	99.5	1000	+/-	5.0	LB36331
FLUORENE	86-73-7	98.5	1000	+/-	5.0	LB82164
HEXACHLOROBENZENE	118-74-1	99.9	1000	+/-	5.0	LB87401
HEXACHLOROBUTADIENE	87-68-3	96.2	1000	+/-	5.0	LB67777
HEXACHLOROCYCLOPENTADIENE	77-47-4	97.2	1000	+/-	5.0	LB84590
HEXACHLOROETHANE	67-72-1	99.9	1000	+/-	5.0	LB29072
INDENO (1,2,3-CD) PYRENE	193-39-5	99.7	1000	+/-	5.0	LB87713

(1) Listed in alphabetical order.

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a) HPLC UV-254NM

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Elwood Doughty
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SOLVENT: BENZENE 25 %
METHYLENE CHLORIDE 75 %

ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)	WEIGHT CONCENTRATION (3)			SUPELCO LOT NO
ISOPHORONE	78-59-1	99.1	1000	+/-	5.0	LB45460
N-NITROSODI-N-PROPYLAMINE	621-64-7	99.9	1000	+/-	5.0	LB79763
N-NITROSODIMETHYLAMINE	62-75-9	99.9	1000	+/-	5.0	LB83854
N-NITROSODIPHENYLAMINE	86-30-6	98.6	1001	+/-	5.0	LB17295
N-NITROSOPYRROLIDINE	930-55-2	99.9	1001	+/-	5.0	LB78816
NAPHTHALENE	91-20-3	99.9	1000	+/-	5.0	LB77841
NITROBENZENE	98-95-3	99.9	1000	+/-	5.0	LB47070
PENTACHLOROPHENOL	87-86-5	99.9	2000	+/-	10.0	LB75554
PHENANTHRENE	85-01-8	99.1	1000	+/-	5.0	LB68872
PHENOL	108-95-2	99.9	1002	+/-	5.0	LB57703
PYRENE	129-00-0	97.5	1000	+/-	5.0	LB70761
1,2-DICHLOROBENZENE	95-50-1	99.9	1000	+/-	5.0	LA96474
1,2,4-TRICHLOROBENZENE	120-82-1	99.5	1000	+/-	5.0	LB48083
1,2,4,5-TETRACHLOROBENZENE	95-94-3	99.9	1000	+/-	5.0	LB61817
1,3-DICHLOROBENZENE	541-73-1	99.9	1000	+/-	5.0	LB68066
1,4-DICHLOROBENZENE	106-46-7	99.9	1000	+/-	5.0	LB69983
1,4-DIOXANE	123-91-1	99.9	1002	+/-	5.0	LB82982
2-CHLORONAPHTHALENE	91-58-7	99.4	1000	+/-	5.0	LB48170
2-CHLOROPHENOL	95-57-8	99.6	999	+/-	5.0	LB83266

(1) Listed in alphabetical order.

(2) Determined by capillary GC-FID, unless otherwise noted.
a) HPLC UV-254NM

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SOLVENT: BENZENE 25 %
METHYLENE CHLORIDE 75 %

ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)	WEIGHT CONCENTRATION (3)	SUPELCO LOT NO
2-METHYL-4,6-DINITROPHENOL	534-52-1	99.9	1001 +/- 5.0	LB31592
2-METHYLNAPHTHALENE	91-57-6	98.3	1000 +/- 5.0	LB44448
2-METHYLPHENOL	95-48-7	99.8	1000 +/- 5.0	LB30223
2-NITROANILINE	88-74-4	99.9	1000 +/- 5.0	LB49936
2-NITROPHENOL	88-75-5	99.9	1000 +/- 5.0	LB44736
2,3,4,6-TETRACHLOROPHENOL	58-90-2	98.4	1000 +/- 5.0	LB75078
2,4-DICHLOROPHENOL	120-83-2	98.8	1002 +/- 5.0	LB76837
2,4-DIMETHYLPHENOL	105-67-9	99.9	1000 +/- 5.0	LB88935
2,4-DINITROPHENOL	51-28-5	98.6	2003 +/- 10.0	LB28389
2,4-DINITROTOLUENE	121-14-2	96.0	1000 +/- 5.0	LB46632
2,4,5-TRICHLOROPHENOL	95-95-4	99.9	1000 +/- 5.0	LB35288
2,4,6-TRICHLOROPHENOL	88-06-2	99.9	1000 +/- 5.0	LB65559
2,6-DICHLOROPHENOL	87-65-0	99.9	1002 +/- 5.0	LB03525
2,6-DINITROTOLUENE	606-20-2	99.9	1000 +/- 5.0	LB79891
3-NITROANILINE	99-09-2	99.9	1000 +/- 5.0	LB73829
3,3-DICHLOROBENZIDINE	91-94-1	99.4	1000 +/- 5.0	LB68654
4-BROMOPHENYLPHENYL ETHER	101-55-3	98.8	1000 +/- 5.0	LB63786
4-CHLORO-3-METHYLPHENOL	59-50-7	99.9	1000 +/- 5.0	LB83265
4-CHLOROANILINE	106-47-8	99.9	1000 +/- 5.0	LB82916

(1) Listed in alphabetical order.

(2) Determined by capillary GC-FID, unless otherwise noted.
a) HPLC UV-254NM

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ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)	WEIGHT CONCENTRATION (3)	SUPELCO LOT NO
4-CHLOROPHENYLPHENYL ETHER	7005-72-3	99.9	1000 +/- 5.0	LB72185
4-METHYLPHENOL	106-44-5	99.9	1000 +/- 5.0	LB32518
4-NITROANILINE	100-01-6	99.9	1000 +/- 5.0	LB42566
4-NITROPHENOL	100-02-7	99.9	1001 +/- 5.0	LB83255

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ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)		WEIGHT CONCENTRATION (3)			SUPELCO LOT NO
ACENAPHTHENE	83-32-9	99.9		1000	+/-	5.0	LB82590
ACENAPHTHYLENE	208-96-8	99.9		1000	+/-	5.0	LB84923
ACETOPHENONE	98-86-2	99.2		1001	+/-	5.0	LB61700
ANILINE	62-53-3	99.9		1000	+/-	5.0	LA41596
ANTHRACENE	120-12-7	99.5		1000	+/-	5.0	LB77576
ATRAZINE	1912-24-9	99.9		1000	+/-	5.0	LB77962
AZOBENZENE	103-33-3	99.9		1000	+/-	5.0	LB83060
BENZALDEHYDE	100-52-7	99.9		999	+/-	5.0	LB82946
BENZIDINE	92-87-5	99.9		1000	+/-	5.0	LB83682
BENZO (A) ANTHRACENE	56-55-3	99.4	(a)	1000	+/-	5.0	LB78146
BENZO (A) PYRENE	50-32-8	99.9	(a)	1000	+/-	5.0	LB79478
BENZO (B) FLUORANTHENE	205-99-2	99.9		1000	+/-	5.0	LB77269
BENZO (G,H,I) PERYLENE	191-24-2	99.6		1000	+/-	5.0	LB62550
BENZO (K) FLUORANTHENE	207-08-9	99.9		1000	+/-	5.0	LB84765
BENZOIC ACID	65-85-0	99.9		2001	+/-	10.0	LA84486
BENZYL ALCOHOL	100-51-6	99.9		1001	+/-	5.0	LB48374
BENZYL BUTYL PHTHALATE	85-68-7	98.6		1000	+/-	5.0	LB60340
BIPHENYL	92-52-4	99.9		1002	+/-	5.0	LB30457
BIS (2-CHLOROETHOXY) METHANE	111-91-1	98.5		1000	+/-	5.0	LB71304

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a) HPLC UV-254NM

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ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)	WEIGHT CONCENTRATION (3)			SUPELCO LOT NO
BIS (2-CHLOROETHYL) ETHER	111-44-4	99.9	1000	+/-	5.0	LB33319
BIS (2-CHLOROISOPROPYL) ETHER	108-60-1	97.4	1000	+/-	5.0	LB84548
BIS (2-ETHYLHEXYL) PHTHALATE	117-81-7	99.7	1000	+/-	5.0	LB58359
CAPROLACTAM	105-60-2	99.9	1000	+/-	5.0	LB34145
CARBAZOLE	86-74-8	99.9	1000	+/-	5.0	LB60643
CHRYSENE	218-01-9	98.4	1000	+/-	5.0	LB85109
DI-N-BUTYL PHTHALATE	84-74-2	99.5	1000	+/-	5.0	LB64921
DI-N-OCTYL PHTHALATE	117-84-0	99.9	1000	+/-	5.0	LB83131
DIBENZ (A,H) ANTHRACENE	53-70-3	99.9	1000	+/-	5.0	LB87229
DIBENZOFURAN	132-64-9	98.9	1000	+/-	5.0	LB78814
DIETHYL PHTHALATE	84-66-2	99.2	1000	+/-	5.0	LB60384
DIMETHYL PHTHALATE	131-11-3	99.9	1000	+/-	5.0	LB30494
FLUORANTHENE	206-44-0	99.5	1000	+/-	5.0	LB36331
FLUORENE	86-73-7	98.5	1000	+/-	5.0	LB82164
HEXACHLOROBENZENE	118-74-1	99.9	1000	+/-	5.0	LB87401
HEXACHLOROBUTADIENE	87-68-3	96.2	1000	+/-	5.0	LB67777
HEXACHLOROCYCLOPENTADIENE	77-47-4	97.2	1000	+/-	5.0	LB84590
HEXACHLOROETHANE	67-72-1	99.9	1000	+/-	5.0	LB29072
INDENO (1,2,3-CD) PYRENE	193-39-5	99.7	1000	+/-	5.0	LB87713

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ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)	WEIGHT CONCENTRATION (3)			SUPELCO LOT NO
ISOPHORONE	78-59-1	99.1	1000	+/-	5.0	LB45460
N-NITROSODI-N-PROPYLAMINE	621-64-7	99.9	1000	+/-	5.0	LB79763
N-NITROSODIMETHYLAMINE	62-75-9	99.9	1000	+/-	5.0	LB83854
N-NITROSODIPHENYLAMINE	86-30-6	98.6	1001	+/-	5.0	LB17295
N-NITROSOPYRROLIDINE	930-55-2	99.9	1001	+/-	5.0	LB78816
NAPHTHALENE	91-20-3	99.9	1000	+/-	5.0	LB77841
NITROBENZENE	98-95-3	99.9	1000	+/-	5.0	LB47070
PENTACHLOROPHENOL	87-86-5	99.9	2000	+/-	10.0	LB75554
PHENANTHRENE	85-01-8	99.1	1000	+/-	5.0	LB68872
PHENOL	108-95-2	99.9	1002	+/-	5.0	LB57703
PYRENE	129-00-0	97.5	1000	+/-	5.0	LB70761
1,2-DICHLOROBENZENE	95-50-1	99.9	1000	+/-	5.0	LA96474
1,2,4-TRICHLOROBENZENE	120-82-1	99.5	1000	+/-	5.0	LB48083
1,2,4,5-TETRACHLOROBENZENE	95-94-3	99.9	1000	+/-	5.0	LB61817
1,3-DICHLOROBENZENE	541-73-1	99.9	1000	+/-	5.0	LB68066
1,4-DICHLOROBENZENE	106-46-7	99.9	1000	+/-	5.0	LB69983
1,4-DIOXANE	123-91-1	99.9	1002	+/-	5.0	LB82982
2-CHLORONAPHTHALENE	91-58-7	99.4	1000	+/-	5.0	LB48170
2-CHLOROPHENOL	95-57-8	99.6	999	+/-	5.0	LB83266

(1) Listed in alphabetical order.

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ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)	WEIGHT CONCENTRATION (3)	SUPELCO LOT NO
2-METHYL-4,6-DINITROPHENOL	534-52-1	99.9	1001 +/- 5.0	LB31592
2-METHYLNAPHTHALENE	91-57-6	98.3	1000 +/- 5.0	LB44448
2-METHYLPHENOL	95-48-7	99.8	1000 +/- 5.0	LB30223
2-NITROANILINE	88-74-4	99.9	1000 +/- 5.0	LB49936
2-NITROPHENOL	88-75-5	99.9	1000 +/- 5.0	LB44736
2,3,4,6-TETRACHLOROPHENOL	58-90-2	98.4	1000 +/- 5.0	LB75078
2,4-DICHLOROPHENOL	120-83-2	98.8	1002 +/- 5.0	LB76837
2,4-DIMETHYLPHENOL	105-67-9	99.9	1000 +/- 5.0	LB88935
2,4-DINITROPHENOL	51-28-5	98.6	2003 +/- 10.0	LB28389
2,4-DINITROTOLUENE	121-14-2	96.0	1000 +/- 5.0	LB46632
2,4,5-TRICHLOROPHENOL	95-95-4	99.9	1000 +/- 5.0	LB35288
2,4,6-TRICHLOROPHENOL	88-06-2	99.9	1000 +/- 5.0	LB65559
2,6-DICHLOROPHENOL	87-65-0	99.9	1002 +/- 5.0	LB03525
2,6-DINITROTOLUENE	606-20-2	99.9	1000 +/- 5.0	LB79891
3-NITROANILINE	99-09-2	99.9	1000 +/- 5.0	LB73829
3,3-DICHLOROBENZIDINE	91-94-1	99.4	1000 +/- 5.0	LB68654
4-BROMOPHENYLPHENYL ETHER	101-55-3	98.8	1000 +/- 5.0	LB63786
4-CHLORO-3-METHYLPHENOL	59-50-7	99.9	1000 +/- 5.0	LB83265
4-CHLOROANILINE	106-47-8	99.9	1000 +/- 5.0	LB82916

(1) Listed in alphabetical order.

(2) Determined by capillary GC-FID, unless otherwise noted.
a) HPLC UV-254NM

(3) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, uncertainty based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure.

Elwood Doughty
QA Manager

Supelco warrants that its products conform to the information contained in this publication. Purchaser must determine the suitability of the product for its particular use. Please see the latest catalog or order invoice and packing slip for additional terms and conditions of sale.

SUPELCO® Analytical
595 North Harrison Road • Bellefonte, PA
16823-0048 USA • Phone (814) 359-3441

Certificate of Composition

DESCRIPTION: TEST AMERICA

QUOTE 21492575 LOT NO.: LB90764 EXPIRATION DATE: Aug-2013

SOLVENT: BENZENE 25 %
METHYLENE CHLORIDE 75 %

ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)	WEIGHT CONCENTRATION (3)	SUPELCO LOT NO
4-CHLOROPHENYLPHENYL ETHER	7005-72-3	99.9	1000 +/- 5.0	LB72185
4-METHYLPHENOL	106-44-5	99.9	1000 +/- 5.0	LB32518
4-NITROANILINE	100-01-6	99.9	1000 +/- 5.0	LB42566
4-NITROPHENOL	100-02-7	99.9	1001 +/- 5.0	LB83255

(1) Listed in alphabetical order.

(2) Determined by capillary GC-FID, unless otherwise noted.
a) HPLC UV-254NM

(3) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, uncertainty based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure.

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QA Manager

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ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)		WEIGHT CONCENTRATION (3)			SUPELCO LOT NO
ACENAPHTHENE	83-32-9	99.9		1000	+/-	5.0	LB82590
ACENAPHTHYLENE	208-96-8	99.9		1000	+/-	5.0	LB84923
ACETOPHENONE	98-86-2	99.2		1001	+/-	5.0	LB61700
ANILINE	62-53-3	99.9		1000	+/-	5.0	LA41596
ANTHRACENE	120-12-7	99.5		1000	+/-	5.0	LB77576
ATRAZINE	1912-24-9	99.9		1000	+/-	5.0	LB77962
AZOBENZENE	103-33-3	99.9		1000	+/-	5.0	LB83060
BENZALDEHYDE	100-52-7	99.9		999	+/-	5.0	LB82946
BENZIDINE	92-87-5	99.9		1000	+/-	5.0	LB83682
BENZO (A) ANTHRACENE	56-55-3	99.4	(a)	1000	+/-	5.0	LB78146
BENZO (A) PYRENE	50-32-8	99.9	(a)	1000	+/-	5.0	LB79478
BENZO (B) FLUORANTHENE	205-99-2	99.9		1000	+/-	5.0	LB77269
BENZO (G,H,I) PERYLENE	191-24-2	99.6		1000	+/-	5.0	LB62550
BENZO (K) FLUORANTHENE	207-08-9	99.9		1000	+/-	5.0	LB84765
BENZOIC ACID	65-85-0	99.9		2001	+/-	10.0	LA84486
BENZYL ALCOHOL	100-51-6	99.9		1001	+/-	5.0	LB48374
BENZYL BUTYL PHTHALATE	85-68-7	98.6		1000	+/-	5.0	LB60340
BIPHENYL	92-52-4	99.9		1002	+/-	5.0	LB30457
BIS (2-CHLOROETHOXY) METHANE	111-91-1	98.5		1000	+/-	5.0	LB71304

(1) Listed in alphabetical order.

(2) Determined by capillary GC-FID, unless otherwise noted.
a) HPLC UV-254NM

(3) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, uncertainty based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure.

Elwood Doughty
QA Manager

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SUPELCO® Analytical
595 North Harrison Road • Bellefonte, PA
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Certificate of Composition

DESCRIPTION: TEST AMERICA

QUOTE 21492575 LOT NO.: LB90764 EXPIRATION DATE: Aug-2013

SOLVENT: BENZENE 25 %
METHYLENE CHLORIDE 75 %

ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)	WEIGHT CONCENTRATION (3)			SUPELCO LOT NO
BIS (2-CHLOROETHYL) ETHER	111-44-4	99.9	1000	+/-	5.0	LB33319
BIS (2-CHLOROISOPROPYL) ETHER	108-60-1	97.4	1000	+/-	5.0	LB84548
BIS (2-ETHYLHEXYL) PHTHALATE	117-81-7	99.7	1000	+/-	5.0	LB58359
CAPROLACTAM	105-60-2	99.9	1000	+/-	5.0	LB34145
CARBAZOLE	86-74-8	99.9	1000	+/-	5.0	LB60643
CHRYSENE	218-01-9	98.4	1000	+/-	5.0	LB85109
DI-N-BUTYL PHTHALATE	84-74-2	99.5	1000	+/-	5.0	LB64921
DI-N-OCTYL PHTHALATE	117-84-0	99.9	1000	+/-	5.0	LB83131
DIBENZ (A,H) ANTHRACENE	53-70-3	99.9	1000	+/-	5.0	LB87229
DIBENZOFURAN	132-64-9	98.9	1000	+/-	5.0	LB78814
DIETHYL PHTHALATE	84-66-2	99.2	1000	+/-	5.0	LB60384
DIMETHYL PHTHALATE	131-11-3	99.9	1000	+/-	5.0	LB30494
FLUORANTHENE	206-44-0	99.5	1000	+/-	5.0	LB36331
FLUORENE	86-73-7	98.5	1000	+/-	5.0	LB82164
HEXACHLOROBENZENE	118-74-1	99.9	1000	+/-	5.0	LB87401
HEXACHLOROBUTADIENE	87-68-3	96.2	1000	+/-	5.0	LB67777
HEXACHLOROCYCLOPENTADIENE	77-47-4	97.2	1000	+/-	5.0	LB84590
HEXACHLOROETHANE	67-72-1	99.9	1000	+/-	5.0	LB29072
INDENO (1,2,3-CD) PYRENE	193-39-5	99.7	1000	+/-	5.0	LB87713

(1) Listed in alphabetical order.

(2) Determined by capillary GC-FID, unless otherwise noted.
a) HPLC UV-254NM

(3) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, uncertainty based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure.

Elwood Doughty
QA Manager

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SUPELCO® Analytical
595 North Harrison Road • Bellefonte, PA
16823-0048 USA • Phone (814) 359-3441

Certificate of Composition

DESCRIPTION: TEST AMERICA

QUOTE 21492575 LOT NO.: LB90764 EXPIRATION DATE: Aug-2013

SOLVENT: BENZENE 25 %
METHYLENE CHLORIDE 75 %

ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)	WEIGHT CONCENTRATION (3)	SUPELCO LOT NO
ISOPHORONE	78-59-1	99.1	1000 +/- 5.0	LB45460
N-NITROSODI-N-PROPYLAMINE	621-64-7	99.9	1000 +/- 5.0	LB79763
N-NITROSODIMETHYLAMINE	62-75-9	99.9	1000 +/- 5.0	LB83854
N-NITROSODIPHENYLAMINE	86-30-6	98.6	1001 +/- 5.0	LB17295
N-NITROSOPYRROLIDINE	930-55-2	99.9	1001 +/- 5.0	LB78816
NAPHTHALENE	91-20-3	99.9	1000 +/- 5.0	LB77841
NITROBENZENE	98-95-3	99.9	1000 +/- 5.0	LB47070
PENTACHLOROPHENOL	87-86-5	99.9	2000 +/- 10.0	LB75554
PHENANTHRENE	85-01-8	99.1	1000 +/- 5.0	LB68872
PHENOL	108-95-2	99.9	1002 +/- 5.0	LB57703
PYRENE	129-00-0	97.5	1000 +/- 5.0	LB70761
1,2-DICHLOROBENZENE	95-50-1	99.9	1000 +/- 5.0	LA96474
1,2,4-TRICHLOROBENZENE	120-82-1	99.5	1000 +/- 5.0	LB48083
1,2,4,5-TETRACHLOROBENZENE	95-94-3	99.9	1000 +/- 5.0	LB61817
1,3-DICHLOROBENZENE	541-73-1	99.9	1000 +/- 5.0	LB68066
1,4-DICHLOROBENZENE	106-46-7	99.9	1000 +/- 5.0	LB69983
1,4-DIOXANE	123-91-1	99.9	1002 +/- 5.0	LB82982
2-CHLORONAPHTHALENE	91-58-7	99.4	1000 +/- 5.0	LB48170
2-CHLOROPHENOL	95-57-8	99.6	999 +/- 5.0	LB83266

(1) Listed in alphabetical order.

(2) Determined by capillary GC-FID, unless otherwise noted.
a) HPLC UV-254NM

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Elwood Doughty
QA Manager

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Certificate of Composition

DESCRIPTION: TEST AMERICA

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SOLVENT: BENZENE 25 %
METHYLENE CHLORIDE 75 %

ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)	WEIGHT CONCENTRATION (3)	SUPELCO LOT NO
2-METHYL-4,6-DINITROPHENOL	534-52-1	99.9	1001 +/- 5.0	LB31592
2-METHYLNAPHTHALENE	91-57-6	98.3	1000 +/- 5.0	LB44448
2-METHYLPHENOL	95-48-7	99.8	1000 +/- 5.0	LB30223
2-NITROANILINE	88-74-4	99.9	1000 +/- 5.0	LB49936
2-NITROPHENOL	88-75-5	99.9	1000 +/- 5.0	LB44736
2,3,4,6-TETRACHLOROPHENOL	58-90-2	98.4	1000 +/- 5.0	LB75078
2,4-DICHLOROPHENOL	120-83-2	98.8	1002 +/- 5.0	LB76837
2,4-DIMETHYLPHENOL	105-67-9	99.9	1000 +/- 5.0	LB88935
2,4-DINITROPHENOL	51-28-5	98.6	2003 +/- 10.0	LB28389
2,4-DINITROTOLUENE	121-14-2	96.0	1000 +/- 5.0	LB46632
2,4,5-TRICHLOROPHENOL	95-95-4	99.9	1000 +/- 5.0	LB35288
2,4,6-TRICHLOROPHENOL	88-06-2	99.9	1000 +/- 5.0	LB65559
2,6-DICHLOROPHENOL	87-65-0	99.9	1002 +/- 5.0	LB03525
2,6-DINITROTOLUENE	606-20-2	99.9	1000 +/- 5.0	LB79891
3-NITROANILINE	99-09-2	99.9	1000 +/- 5.0	LB73829
3,3-DICHLOROBENZIDINE	91-94-1	99.4	1000 +/- 5.0	LB68654
4-BROMOPHENYLPHENYL ETHER	101-55-3	98.8	1000 +/- 5.0	LB63786
4-CHLORO-3-METHYLPHENOL	59-50-7	99.9	1000 +/- 5.0	LB83265
4-CHLOROANILINE	106-47-8	99.9	1000 +/- 5.0	LB82916

(1) Listed in alphabetical order.

(2) Determined by capillary GC-FID, unless otherwise noted.
a) HPLC UV-254NM

(3) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, uncertainty based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure.

Elwood Doughty
QA Manager

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Certificate of Composition

DESCRIPTION: TEST AMERICA

QUOTE 21492575 LOT NO.: LB90764 EXPIRATION DATE: Aug-2013

SOLVENT: BENZENE 25 %
METHYLENE CHLORIDE 75 %

ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)	WEIGHT CONCENTRATION (3)	SUPELCO LOT NO
4-CHLOROPHENYLPHENYL ETHER	7005-72-3	99.9	1000 +/- 5.0	LB72185
4-METHYLPHENOL	106-44-5	99.9	1000 +/- 5.0	LB32518
4-NITROANILINE	100-01-6	99.9	1000 +/- 5.0	LB42566
4-NITROPHENOL	100-02-7	99.9	1001 +/- 5.0	LB83255

(1) Listed in alphabetical order.

(2) Determined by capillary GC-FID, unless otherwise noted.
a) HPLC UV-254NM

(3) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, uncertainty based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure.

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SUPELCO® Analytical
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Certificate of Analysis

Semi-Volatiles Internal Standard Mixture

Product Number: US-108N **Page:** 1 of 1

Lot Number: CH-1761 **Lot Issue Date:** 02-Jun-2011 **Expiration Date:** 30-Jun-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
acenaphthene-d10	015067-26-2	RM01458/PR-19991	4013 ± 20 µg/mL
chrysene-d12	001719-03-5	RM01460/Z421P15	4013 ± 20 µg/mL
1,4-dichlorobenzene-d4	003855-82-1	RM01700/PR-12866	4013 ± 20 µg/mL
naphthalene-d8	001146-65-2	RM01459/PR-19724	4013 ± 20 µg/mL
perylene-d12	001520-96-3	RM01461/P199BP2	4014 ± 20 µg/mL
phenanthrene-d10	001517-22-2	RM01462/PR-19222	4013 ± 20 µg/mL

Matrix: methylene chloride (dichloromethane)

Storage: Store at Room Temperature (18-25° C)

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

ACCREDITED
ISO 17025:2005 Accredited A2LA Cert. No. 0861-01
ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-100.

250 Smith Street, North Kingstown, RI 02852 USA
401-294-9400 Fax: 295-2330
wwww.ultrasci.com

William J. Leary
Quality Assurance Manager

Semi-Volatiles Internal Standard Mixture

Print Components

Component Information for US-108N

Analyte	Concentration
acenaphthene-d10	4000 µg/mL
chrysene-d12	4000 µg/mL
1,4-dichlorobenzene-d4	4000 µg/mL
naphthalene-d8	4000 µg/mL
perylene-d12	4000 µg/mL
phenanthrene-d10	4000 µg/mL

Matrix Details

Matrix	methylene chloride (dichloromethane)

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SMIS_00004

US-108N
Lot: CH-1761
Exp: 06/30/2014
ULTRA
1 mL
Semi-Volatiles Internal Standard Mixture
6 analyte(s) at 4000 µg/mL in dichloromethane
For Lab Use Only
250 Smith St, No Kingstown, RI 02852 USA

125 Market Street
New Haven, CT 06513
USA

AccuStandard® Inc.

Tel (203)786-5290
Fax (203)786-5287
www.AccuStandard.com

CERTIFICATE OF ANALYSIS

CATALOG NO: AK-101.0-GCS-BTEX
DESCRIPTION: Gasoline Calibration Standard
LOT: B5040009
SOLVENT: Methanol

EXPIRATION: Apr 5 , 2015
DATE CERTIFIED: Apr 5, 2005
SAMPLE SIZE: disc.
STORAGE CONDITION: Ambient
HAZARDS: HIGHLY FLAMMABLE

Refer to the MSDS for additional safety information

[X] Included on ISO/IEC 17025 Scope of Accreditation
[X] Included on ISO Guide 34 Scope of Accreditation

Component	Cas Number	Purity % (GC/FID)	Prepared Concentration[1] %w/v	Certified Analyte Concentration[2] %w/v
Benzene	71-43-2	0.006	0.008	.000
Toluene	108-88-3	0.027	0.034	.000
Ethylbenzene	100-41-4	0.006	0.008	.000
m+p-Xylene	N/A	0.023	0.029	.000
o-Xylene	95-47-6	0.009	0.012	.000

5 Components

Premium, Regular leaded, and Regular unleaded gasoline mix. The BTEX concentrations were determined analytically.

1. All weights are traceable through NIST, Test No. 822/254480
2. Certified Analyte Concentration = Purity x Prepared Concentration. The Uncertainty associated with the gravimetric values reported on this certificate is ±0.24%. The CRM Uncertainty calculated for this product is ±6%. These values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.
3. A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot# has had its expiration date extended and is identical to the same lot# without the suffix.

For use in routine laboratory analysis.

Certified by: R. Cooper
Russ Cooper, QC Manager

ULTRA SCIENTIFIC
Analytical Solutions

Certificate of Analysis

Reid 7/6/12

BTEX in Gasoline

Product Number: BTX-3000 **Page:** 1 of 1

Lot Number: S-0681W **Lot Issue Date:** Sep-2010 **Expiration Date:** Oct-2013

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
tert-butylmethyl ether	001634-04-4	100	108511 ± 543 µg/mL
benzene	000071-43-2	100	5456 ± 27 µg/mL
toluene	000108-88-3	100	23472 ± 117 µg/mL
ethylbenzene	000100-41-4	100	7802 ± 39 µg/mL
o-xylene	000095-47-6	100	9803 ± 49 µg/mL
m/p-xylenes	001330-20-7	100	23364 ± 117 µg/mL
isopropylbenzene	000098-82-8	100	830.1 ± 4.2 µg/mL
naphthalene	000091-20-3	100	1904 ± 10 µg/mL

Matrix: gasoline

Storage: Store at Room Temperature (18-25° C)

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

ACCREDITED

ISO 17025:2005
Accredited
A2LA
Cert. No. 0851-01

ISO 9001:2008
Registered
TUV USA, Inc.
Cert. No. 09-1009

250 Smith Street, North Kingstown, RI 02852 USA
401-294-9400 Fax: 295-2330
www.ultrasci.com

William J. Leary
Quality Assurance Manager

3/15/11
TS

RESTEK

Certificate of Analysis

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 30006 **Lot No.:** A076449

Description : VOA Calibration Mix #1

Expiration Date[1]**:** November 2013 **Storage:** Freezer

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	% Uncertainty [4] (95% C.L.; K=2)
1	Acetone	67-64-1	99%	5,000.000 ug/ml	+/-0.58 %
2	2-Butanone (MEK)	78-93-3	99%	5,000.000 ug/ml	+/-0.58 %
3	4-Methyl-2-pentanone (MIBK)	108-10-1	99%	5,000.000 ug/ml	+/-0.58 %
4	2-Hexanone	591-78-6	99%	5,000.000 ug/ml	+/-0.58 %
Solvent:	P&T Methanol/Water (90:10)	67-56-1/7732-18-5	99%		

Column:
105m x .53mm x 3.0um
Rtx-502.2 (cat.#10910)

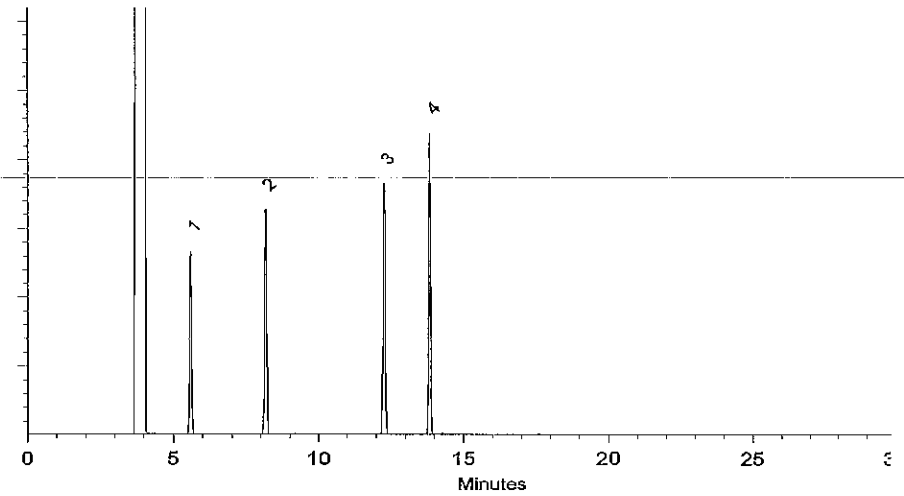
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



Sara Eyster QA Analyst **Date Passed:** 25-Aug-2010 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

1 Expiration date of the unopened ampule stored at the recommended storage condition.

2A Purity is determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Value is rounded to the nearest whole number. Chemical identity is confirmed using GC/MS. See data pack or contact provider for further details.

2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.

2C The following types of compounds will have a listed purity of less than 99%: Aldehyde/Ketone-DNPH compounds, Bromides, Chlorides, HCL salts, HBR salts, sulfates, hydrates, and other compounds as necessary. The listed purity is a correction factor that is equivalent to the percentage of parent compound in the molecule. This correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution. The concentration listed on the certificate is the concentration of the parent compound in the solution.

2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.

3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.

4 Uncertainties determined using data for balances and glassware from measurement systems analysis methodology, raw material purity, and, when significant, equipment tolerances or calibration results.

Certificate of Analysis

8/23/12 TS

DESCRIPTION: Volatile Organic Compounds Mix 6

CATALOG NO.: 48799-U MFG DATE: Mar-2012

LOT NO.: LB91213 EXPIRATION DATE: Jun-2013

SOLVENT: METHANOL

ANALYTE (1)	CAS NUMBER	PERCENT PURITY(2)	WEIGHT(3) CONCENTRATION	ANALYTICAL(4) CONCENTRATION		STD DEV	SUPELCO LOT NO
BROMOMETHANE	74-83-9	99.9 (a)	2000	2041	+/-	35.1	LB68220
CHLOROETHANE	75-00-3	99.9 (a)	2000	2079	+/-	46.9	LB55667
CHLOROMETHANE	74-87-3	99.9	2000	2116	+/-	61.9	LB64986
DICHLORODIFLUOROMETHANE	75-71-8	99.9 (a)	2000	2044	+/-	88.1	LB68837
TRICHLOROFLUOROMETHANE	75-69-4	99.9 (a)	2000	2088	+/-	44.9	LA91320
VINYL CHLORIDE	75-01-4	99.9 (a)	2000	2141	+/-	45.7	LB89571

(1) Listed in alphabetical order.

(2) Determined by capillary GC-FID, unless otherwise noted.
a) GC; detector HALL

(3) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, uncertainty based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure.

(4) Determined by chromatographic analysis against an independently prepared reference lot. Mean of replicate injections.

Elwood Doughty
Quality Control Supervisor

Supelco warrants that its products conform to the information contained in this publication. Purchaser must determine the suitability of the product for its particular use. Please see the latest catalog or order invoice and packing slip for additional terms and conditions of sale.

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DESCRIPTION: Volatile Organic Compounds Mix 6

CATALOG NO.: 48799-U MFG DATE: Mar-2012

LOT NO.: LB91213 EXPIRATION DATE: Jun-2013

SOLVENT: METHANOL

ANALYTE (1)	CAS NUMBER	PERCENT PURITY(2)	WEIGHT(3) CONCENTRATION	ANALYTICAL(4) CONCENTRATION		STD DEV	SUPELCO LOT NO
BROMOMETHANE	74-83-9	99.9 (a)	2000	2041	+/-	35.1	LB68220
CHLOROETHANE	75-00-3	99.9 (a)	2000	2079	+/-	46.9	LB55667
CHLOROMETHANE	74-87-3	99.9	2000	2116	+/-	61.9	LB64986
DICHLORODIFLUOROMETHANE	75-71-8	99.9 (a)	2000	2044	+/-	88.1	LB68837
TRICHLOROFLUOROMETHANE	75-69-4	99.9 (a)	2000	2088	+/-	44.9	LA91320
VINYL CHLORIDE	75-01-4	99.9 (a)	2000	2141	+/-	45.7	LB89571

(1) Listed in alphabetical order.

(2) Determined by capillary GC-FID, unless otherwise noted.
a) GC; detector HALL

(3) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, uncertainty based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure.

(4) Determined by chromatographic analysis against an independently prepared reference lot. Mean of replicate injections.

Elwood Doughty
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FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 556005 **Lot No.:** A085142

Description : Custom Volatiles Mix 2

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] May 2013 **Storage:** 0°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	1,1,2-Trichlorotrifluoroethane (CFC-113)	76-13-1	97%	2,500.2 ug/mL	+/- 14.6724 ug/mL
2	1,1-dichloroethene	75-35-4	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
3	Methyl acetate	79-20-9	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
4	Carbon disulfide	75-15-0	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
5	Methylene chloride (dichloromethane)	75-09-2	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
6	Methyl-tert-butyl ether (MTBE)	1634-04-4	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
7	cis-1,2-Dichloroethene	156-59-2	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
8	n-Hexane (C6)	110-54-3	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
9	1,1-Dichloroethane	75-34-3	98%	2,500.0 ug/mL	+/- 17.8401 ug/mL
10	trans-1,2-Dichloroethene	156-60-5	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
11	chloroform	67-66-3	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
12	1,1,1-trichloroethane	71-55-6	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
13	Cyclohexane	110-82-7	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
14	carbon tetrachloride	56-23-5	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
15	1,2-Dichloroethane	107-06-2	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
16	Benzene	71-43-2	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
17	Trichloroethene	79-01-6	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
18	Methylcyclohexane	108-87-2	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
19	1,2-Dichloropropane	78-87-5	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
20	bromodichloromethane	75-27-4	98%	2,500.0 ug/mL	+/- 17.8401 ug/mL
21	cis-1,3-Dichloropropene	10061-01-5	97%	2,500.0 ug/mL	+/- 17.8401 ug/mL
22	Toluene	108-88-3	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
23	trans-1,3-Dichloropropene	10061-02-6	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
24	1,1,2-Trichloroethane	79-00-5	98%	2,500.0 ug/mL	+/- 17.8401 ug/mL
25	Tetrachloroethene	127-18-4	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
26	dibromochloromethane	124-48-1	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
27	1,2-Dibromoethane (EDB)	106-93-4	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
28	Chlorobenzene	108-90-7	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
29	Ethylbenzene	100-41-4	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
30	m-Xylene	108-38-3	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
31	p-Xylene	106-42-3	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
32	o-Xylene	95-47-6	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
33	Styrene	100-42-5	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL

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Catalog No. : 563136 **Lot No.:** A085140

Description : Custom Revised Supplemental Spike Mix

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] November 2016 **Storage:** 0°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	Diethyl ether (ethyl ether)	60-29-7	98%	2,500.2 ug/mL	+/- 14.6724 ug/mL
2	tert-Butanol (TBA)	75-65-0	99%	50,001.6 ug/mL	+/- 292.755 ug/mL
3	Iodomethane (methyl iodide)	74-88-4	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
4	Diisopropyl ether (DIPE)	108-20-3	99%	2,500.4 ug/mL	+/- 14.6737 ug/mL
5	2,2-Dichloropropane	594-20-7	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
6	Isobutanol (2-Methyl-1-propanol)	78-83-1	99%	125,004.4 ug/mL	+/- 731.89 ug/mL
7	Bromochloromethane	74-97-5	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
8	Tetrahydrofuran	109-99-9	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
9	1,1-Dichloropropene	563-58-6	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
10	Dibromomethane	74-95-3	98%	2,500.2 ug/mL	+/- 14.6724 ug/mL
11	1,3-Dichloropropane	142-28-9	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
12	1,1,1,2-Tetrachloroethane	630-20-6	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
13	1,2,3-Trichloropropane	96-18-4	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
14	trans-1,4-dichloro-2-butene	110-57-6	98%	5,008.2 ug/mL	+/- 29.3241 ug/mL
15	n-Propylbenzene	103-65-1	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
16	Bromobenzene	108-86-1	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
17	1,3,5-Trimethylbenzene	108-67-8	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
18	2-Chlorotoluene	95-49-8	99%	2,501.2 ug/mL	+/- 14.6784 ug/mL
19	4-Chlorotoluene	106-43-4	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
20	tert-Butylbenzene	98-06-6	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
21	1,2,4-Trimethylbenzene	95-63-6	99%	2,500.4 ug/mL	+/- 14.6737 ug/mL
22	sec-Butylbenzene	135-98-8	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
23	4-Isopropyltoluene (p-Cymene)	99-87-6	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
24	1,2,3-Trimethylbenzene	526-73-8	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
25	n-Butylbenzene	104-51-8	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
26	Hexachlorobutadiene	87-68-3	98%	2,500.2 ug/mL	+/- 14.6724 ug/mL
27	Naphthalene	91-20-3	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
28	1,2,3-Trichlorobenzene	87-61-6	99%	2,500.4 ng/mL	+/- 14.6737 ug/mL

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DESCRIPTION: 8260 Ketones Mix

CATALOG NO.: 861149 MFG DATE: Jun-2011

LOT NO.: LB85301 EXPIRATION DATE: Nov-2013

SOLVENT: METHANOL:WATER (30:70)

ANALYTE (1)	CAS NUMBER	PERCENT PURITY(2)	WEIGHT(3) CONCENTRATION	ANALYTICAL(4) CONCENTRATION	STD DEV	SUPELCO LOT NO
ACETONE	67-64-1	99.9	2000	1891	+/- 75.1	LB60265
CYCLOHEXANONE	108-94-1	99.5	20002	18806	+/- 673.6	LB67851
2-BUTANONE	78-93-3	99.9	2001	1888	+/- 78.2	LB38154
2-HEXANONE	591-78-6	99.9	2001	1877	+/- 70.9	LB57500
4-METHYL-2-PENTANONE	108-10-1	99.9	2001	1910	+/- 71.4	LB80301

VM 861149_ 00015

(1) Listed in alphabetical order.

(2) Determined by capillary GC-FID, unless otherwise noted.

(3) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, uncertainty based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure.

(4) Determined by chromatographic analysis against an independently prepared reference lot. Mean of replicate injections.

Elwood Doughty
Quality Control Supervisor

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DESCRIPTION: 8260 Ketones Mix

CATALOG NO.: 861149 MFG DATE: Jun-2011

LOT NO.: LB85301 EXPIRATION DATE: Nov-2013

SOLVENT: METHANOL:WATER (30:70)

ANALYTE (1)	CAS NUMBER	PERCENT PURITY(2)	WEIGHT(3) CONCENTRATION	ANALYTICAL(4) CONCENTRATION	STD DEV	SUPELCO LOT NO
ACETONE	67-64-1	99.9	2000	1891	+/- 75.1	LB60265
CYCLOHEXANONE	108-94-1	99.5	20002	18806	+/- 673.6	LB67851
2-BUTANONE	78-93-3	99.9	2001	1888	+/- 78.2	LB38154
2-HEXANONE	591-78-6	99.9	2001	1877	+/- 70.9	LB57500
4-METHYL-2-PENTANONE	108-10-1	99.9	2001	1910	+/- 71.4	LB80301

VM 861149_ 00015

(1) Listed in alphabetical order.

(2) Determined by capillary GC-FID, unless otherwise noted.

(3) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, uncertainty based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure.

(4) Determined by chromatographic analysis against an independently prepared reference lot. Mean of replicate injections.

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Product Number: CUS-5013 **Page:** 1 of 1

Lot Number: CJ-3443 **Lot Issue Date:** 13-Sep-2012 **Expiration Date:** 31-Jan-2013

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
vinyl acetate	000108-05-4	RM04478	2507 ± 13 µg/mL
methyl acetate	000079-20-9	NT02091	2505 ± 13 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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William J. Leahy
Quality Assurance Manager

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Custom Standard

Product Number: CUS-7814 **Page:** 1 of 4

Lot Number: CJ-0210 **Lot Issue Date:** 24-Jan-2012 **Expiration Date:** 28-Feb-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
1,1,2-trichlorotrifluoroethane	000076-13-1	1367777	50.2 ± 0.3 µg/mL
methyl iodide	000074-88-4	13302PC	50.2 ± 0.3 µg/mL
carbon disulfide	000075-15-0	AI-12071LU	50.2 ± 0.3 µg/mL
methylene chloride	000075-09-2	48248	50.2 ± 0.3 µg/mL
tert-butanol	000075-65-0	RM00555-0	1005 ± 5 µg/mL
1,1-dichloroethene	000075-35-4	02226CH	50.2 ± 0.3 µg/mL
1,1-dichloroethane	000075-34-3	64552/1	50.2 ± 0.3 µg/mL
trans-1,2-dichloroethene	000156-60-5	01306HD	50.2 ± 0.3 µg/mL
MTBE	001634-04-4	45123	50.2 ± 0.3 µg/mL
n-hexane	000110-54-3	4120791	50.2 ± 0.3 µg/mL
cis-1,2-dichloroethene	000156-59-2	MKBB9714	50.2 ± 0.3 µg/mL
tetrahydrofuran	000109-99-9	04928DN	50.2 ± 0.3 µg/mL
chloroform	000067-66-3	05143MN	50.2 ± 0.3 µg/mL
1,2-dichloroethane	000107-06-2	KN-09446KN	50.2 ± 0.3 µg/mL
dibromomethane	000074-95-3	EM-01514TJ	50.2 ± 0.3 µg/mL
1,4-dioxane	000123-91-1	RM02104-01	2501 ± 13 µg/mL
1,1,1-trichloroethane	000071-55-6	LU-13149TR	50.2 ± 0.3 µg/mL
carbon tetrachloride	000056-23-5	01704MF	50.2 ± 0.3 µg/mL
bromodichloromethane	000075-27-4	10529HD	50.2 ± 0.3 µg/mL

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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Quality Assurance Manager

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Product Number: CUS-7814 **Page:** 2 of 4

Lot Number: CJ-0210 **Lot Issue Date:** 24-Jan-2012 **Expiration Date:** 28-Feb-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

1,2-dichloropropane	000078-87-5	DC-120777	50.2 ± 0.3 µg/mL
cis-1,3-dichloropropene	010061-01-5	PR-110509-01	50.2 ± 0.3 µg/mL
trichloroethene	000079-01-6	KN-08846KN	50.2 ± 0.3 µg/mL
dibromochloromethane	000124-48-1	MU-07705AN	50.2 ± 0.3 µg/mL
1,2-dibromoethane	000106-93-4	TB-101777	50.2 ± 0.3 µg/mL
1,2,3-trichloropropane	000096-18-4	01610KH	50.2 ± 0.3 µg/mL
1,1,2-trichloroethane	000079-00-5	JB-0701HH	50.2 ± 0.3 µg/mL
benzene	000071-43-2	34097	50.2 ± 0.3 µg/mL
ethyl methacrylate	000097-63-2	04004EH	50.2 ± 0.3 µg/mL
trans-1,3-dichloropropene	010061-02-6	SR101007-01	50.2 ± 0.3 µg/mL
bromoform	000075-25-2	12312KC	50.2 ± 0.3 µg/mL
tetrachloroethene	000127-18-4	PS-00344BR	50.2 ± 0.3 µg/mL
toluene	000108-88-3	47144	50.2 ± 0.3 µg/mL
1,1,2,2-tetrachloroethane	000079-34-5	10917TB	50.2 ± 0.3 µg/mL
chlorobenzene	000108-90-7	07774MG	50.2 ± 0.3 µg/mL
ethylbenzene	000100-41-4	01558CC	50.2 ± 0.3 µg/mL
styrene	000100-42-5	LR-11228MQ	50.2 ± 0.3 µg/mL
trans-1,4-dichloro-2-butene	000110-57-6	17013BH	50.2 ± 0.3 µg/mL
m-xylene	000108-38-3	DI-00459CI	50.2 ± 0.3 µg/mL

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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Product Number: CUS-7814 **Page:** 3 of 4

Lot Number: CJ-0210 **Lot Issue Date:** 24-Jan-2012 **Expiration Date:** 28-Feb-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

p-xylene	000106-42-3	03747LN	50.2 ± 0.3 µg/mL
o-xylene	000095-47-6	DO-06834CO	50.2 ± 0.3 µg/mL
1,3-dichlorobenzene	000541-73-1	JN-05902LZ	50.2 ± 0.3 µg/mL
1,4-dichlorobenzene	000106-46-7	22628EB	50.2 ± 0.3 µg/mL
1,2-dichlorobenzene	000095-50-1	08946KY	50.2 ± 0.3 µg/mL
bromochloromethane	000074-97-5	JS-16015HS	50.2 ± 0.3 µg/mL
bromobenzene	000108-86-1	CG-02513MF	50.2 ± 0.3 µg/mL
isopropylbenzene	000098-82-8	02827BH	50.2 ± 0.3 µg/mL
n-propylbenzene	000103-65-1	LO-14503MR	50.2 ± 0.3 µg/mL
n-butylbenzene	000104-51-8	AA-28519CO	50.2 ± 0.3 µg/mL
sec-butylbenzene	000135-98-8	07610JE	50.2 ± 0.3 µg/mL
tert-butylbenzene	000098-06-6	MQ-04010MQ	50.2 ± 0.3 µg/mL
1,2,4-trimethylbenzene	000095-63-6	BO-13528BI	50.2 ± 0.3 µg/mL
1,3,5-trimethylbenzene	000108-67-8	KM-02011HM	50.2 ± 0.3 µg/mL
1,2,3-trichlorobenzene	000087-61-6	12912PF	50.2 ± 0.3 µg/mL
1,2,4-trichlorobenzene	000120-82-1	00334TQ	50.2 ± 0.3 µg/mL
1,1-dichloropropene	000563-58-6	PR-11130-8	50.2 ± 0.3 µg/mL
1,3-dichloropropane	000142-28-9	PR-17916MR	50.2 ± 0.3 µg/mL
2,2-dichloropropane	000594-20-7	03503TD	50.2 ± 0.3 µg/mL

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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Quality Assurance Manager

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Product Number: CUS-7814 **Page:** 4 of 4

Lot Number: CJ-0210 **Lot Issue Date:** 24-Jan-2012 **Expiration Date:** 28-Feb-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

2-chlorotoluene	000095-49-8	KZ-03621HX	50.2 ± 0.3 µg/mL
4-chlorotoluene	000106-43-4	03327TH	50.2 ± 0.3 µg/mL
4-isopropyltoluene	000099-87-6	PP-05104CP	50.2 ± 0.3 µg/mL
1,2-dibromo-3-chloropropane	000096-12-8	FBL-01	50.2 ± 0.3 µg/mL
hexachlorobutadiene	000087-68-3	339923/1	50.1 ± 0.3 µg/mL
1,1,1,2-tetrachloroethane	000630-20-6	10312DD	50.2 ± 0.3 µg/mL
naphthalene	000091-20-3	14205KB	50.2 ± 0.3 µg/mL
methyl acetate	000079-20-9	16318HA	50.2 ± 0.3 µg/mL
methylcyclohexane	000108-87-2	02348HD	50.2 ± 0.3 µg/mL
cyclohexane	000110-82-7	46184	50.2 ± 0.3 µg/mL
1,3,5-trichlorobenzene	000108-70-3	HW-00718EV	50.2 ± 0.3 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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Quality Assurance Manager

Certificate of Analysis

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Product Number: CUS-7814 **Page:** 1 of 4

Lot Number: CJ-0210 **Lot Issue Date:** 24-Jan-2012 **Expiration Date:** 28-Feb-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
1,1,2-trichlorotrifluoroethane	000076-13-1	1367777	50.2 ± 0.3 µg/mL
methyl iodide	000074-88-4	13302PC	50.2 ± 0.3 µg/mL
carbon disulfide	000075-15-0	AI-12071LU	50.2 ± 0.3 µg/mL
methylene chloride	000075-09-2	48248	50.2 ± 0.3 µg/mL
tert-butanol	000075-65-0	RM00555-0	1005 ± 5 µg/mL
1,1-dichloroethene	000075-35-4	02226CH	50.2 ± 0.3 µg/mL
1,1-dichloroethane	000075-34-3	64552/1	50.2 ± 0.3 µg/mL
trans-1,2-dichloroethene	000156-60-5	01306HD	50.2 ± 0.3 µg/mL
MTBE	001634-04-4	45123	50.2 ± 0.3 µg/mL
n-hexane	000110-54-3	4120791	50.2 ± 0.3 µg/mL
cis-1,2-dichloroethene	000156-59-2	MKBB9714	50.2 ± 0.3 µg/mL
tetrahydrofuran	000109-99-9	04928DN	50.2 ± 0.3 µg/mL
chloroform	000067-66-3	05143MN	50.2 ± 0.3 µg/mL
1,2-dichloroethane	000107-06-2	KN-09446KN	50.2 ± 0.3 µg/mL
dibromomethane	000074-95-3	EM-01514TJ	50.2 ± 0.3 µg/mL
1,4-dioxane	000123-91-1	RM02104-01	2501 ± 13 µg/mL
1,1,1-trichloroethane	000071-55-6	LU-13149TR	50.2 ± 0.3 µg/mL
carbon tetrachloride	000056-23-5	01704MF	50.2 ± 0.3 µg/mL
bromodichloromethane	000075-27-4	10529HD	50.2 ± 0.3 µg/mL

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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Product Number: CUS-7814 **Page:** 2 of 4

Lot Number: CJ-0210 **Lot Issue Date:** 24-Jan-2012 **Expiration Date:** 28-Feb-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

1,2-dichloropropane	000078-87-5	DC-120777	50.2 ± 0.3 µg/mL
cis-1,3-dichloropropene	010061-01-5	PR-110509-01	50.2 ± 0.3 µg/mL
trichloroethene	000079-01-6	KN-08846KN	50.2 ± 0.3 µg/mL
dibromochloromethane	000124-48-1	MU-07705AN	50.2 ± 0.3 µg/mL
1,2-dibromoethane	000106-93-4	TB-101777	50.2 ± 0.3 µg/mL
1,2,3-trichloropropane	000096-18-4	01610KH	50.2 ± 0.3 µg/mL
1,1,2-trichloroethane	000079-00-5	JB-0701HH	50.2 ± 0.3 µg/mL
benzene	000071-43-2	34097	50.2 ± 0.3 µg/mL
ethyl methacrylate	000097-63-2	04004EH	50.2 ± 0.3 µg/mL
trans-1,3-dichloropropene	010061-02-6	SR101007-01	50.2 ± 0.3 µg/mL
bromoform	000075-25-2	12312KC	50.2 ± 0.3 µg/mL
tetrachloroethene	000127-18-4	PS-00344BR	50.2 ± 0.3 µg/mL
toluene	000108-88-3	47144	50.2 ± 0.3 µg/mL
1,1,2,2-tetrachloroethane	000079-34-5	10917TB	50.2 ± 0.3 µg/mL
chlorobenzene	000108-90-7	07774MG	50.2 ± 0.3 µg/mL
ethylbenzene	000100-41-4	01558CC	50.2 ± 0.3 µg/mL
styrene	000100-42-5	LR-11228MQ	50.2 ± 0.3 µg/mL
trans-1,4-dichloro-2-butene	000110-57-6	17013BH	50.2 ± 0.3 µg/mL
m-xylene	000108-38-3	DI-00459CI	50.2 ± 0.3 µg/mL

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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Product Number: CUS-7814 **Page:** 3 of 4

Lot Number: CJ-0210 **Lot Issue Date:** 24-Jan-2012 **Expiration Date:** 28-Feb-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

p-xylene	000106-42-3	03747LN	50.2 ± 0.3 µg/mL
o-xylene	000095-47-6	DO-06834CO	50.2 ± 0.3 µg/mL
1,3-dichlorobenzene	000541-73-1	JN-05902LZ	50.2 ± 0.3 µg/mL
1,4-dichlorobenzene	000106-46-7	22628EB	50.2 ± 0.3 µg/mL
1,2-dichlorobenzene	000095-50-1	08946KY	50.2 ± 0.3 µg/mL
bromochloromethane	000074-97-5	JS-16015HS	50.2 ± 0.3 µg/mL
bromobenzene	000108-86-1	CG-02513MF	50.2 ± 0.3 µg/mL
isopropylbenzene	000098-82-8	02827BH	50.2 ± 0.3 µg/mL
n-propylbenzene	000103-65-1	LO-14503MR	50.2 ± 0.3 µg/mL
n-butylbenzene	000104-51-8	AA-28519CO	50.2 ± 0.3 µg/mL
sec-butylbenzene	000135-98-8	07610JE	50.2 ± 0.3 µg/mL
tert-butylbenzene	000098-06-6	MQ-04010MQ	50.2 ± 0.3 µg/mL
1,2,4-trimethylbenzene	000095-63-6	BO-13528BI	50.2 ± 0.3 µg/mL
1,3,5-trimethylbenzene	000108-67-8	KM-02011HM	50.2 ± 0.3 µg/mL
1,2,3-trichlorobenzene	000087-61-6	12912PF	50.2 ± 0.3 µg/mL
1,2,4-trichlorobenzene	000120-82-1	00334TQ	50.2 ± 0.3 µg/mL
1,1-dichloropropene	000563-58-6	PR-11130-8	50.2 ± 0.3 µg/mL
1,3-dichloropropane	000142-28-9	PR-17916MR	50.2 ± 0.3 µg/mL
2,2-dichloropropane	000594-20-7	03503TD	50.2 ± 0.3 µg/mL

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Product Number: CUS-7814 **Page:** 4 of 4

Lot Number: CJ-0210 **Lot Issue Date:** 24-Jan-2012 **Expiration Date:** 28-Feb-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

2-chlorotoluene	000095-49-8	KZ-03621HX	50.2 ± 0.3 µg/mL
4-chlorotoluene	000106-43-4	03327TH	50.2 ± 0.3 µg/mL
4-isopropyltoluene	000099-87-6	PP-05104CP	50.2 ± 0.3 µg/mL
1,2-dibromo-3-chloropropane	000096-12-8	FBL-01	50.2 ± 0.3 µg/mL
hexachlorobutadiene	000087-68-3	339923/1	50.1 ± 0.3 µg/mL
1,1,1,2-tetrachloroethane	000630-20-6	10312DD	50.2 ± 0.3 µg/mL
naphthalene	000091-20-3	14205KB	50.2 ± 0.3 µg/mL
methyl acetate	000079-20-9	16318HA	50.2 ± 0.3 µg/mL
methylcyclohexane	000108-87-2	02348HD	50.2 ± 0.3 µg/mL
cyclohexane	000110-82-7	46184	50.2 ± 0.3 µg/mL
1,3,5-trichlorobenzene	000108-70-3	HW-00718EV	50.2 ± 0.3 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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9/20/12
TJ

Custom Standard

Product Number: CUS-8634 **Page:** 1 of 1

Lot Number: CJ-3453 **Lot Issue Date:** 13-Sep-2012 **Expiration Date:** 31-Jan-2013

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
acrylonitrile	000107-13-1	RM05172	5015 ± 25 µg/mL
acetonitrile	000075-05-8	RM01645	25035 ± 125 µg/mL
acrolein	000107-02-8	RM01532	25058 ± 125 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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Quality Assurance Manager

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Certificate of Analysis

REC'D 5-15-12

VOC Gas Mixture

Product Number: DWM-544 **Page:** 1 of 1

Lot Number: CJ-0858 **Lot Issue Date:** 15-Mar-2012 **Expiration Date:** 30-Apr-2015

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
bromomethane	000074-83-9	06623AQ	2008 ± 10 µg/mL
chloroethane	000075-00-3	00223KG	2009 ± 10 µg/mL
chloromethane	000074-87-3	07-44048	2008 ± 10 µg/mL
dichlorodifluoromethane	000075-71-8	Q96-67	2008 ± 10 µg/mL
trichlorofluoromethane	000075-69-4	DR-16417BR	2006 ± 10 µg/mL
vinyl chloride	000075-01-4	1201FC10	2008 ± 10 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

VM DWM544_00011

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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Quality Assurance Manager

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Certificate of Analysis

6/11/12
TB

VOC Gas Mixture

Product Number: DWM-544 **Page:** 1 of 1

Lot Number: CJ-1658 **Lot Issue Date:** 09-May-2012 **Expiration Date:** 30-Jun-2015

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
bromomethane	000074-83-9	06623AQ	2008 ± 10 µg/mL
chloroethane	000075-00-3	00223KG	2008 ± 10 µg/mL
chloromethane	000074-87-3	07-44048	2008 ± 10 µg/mL
dichlorodifluoromethane	000075-71-8	Q96-67	2007 ± 10 µg/mL
trichlorofluoromethane	000075-69-4	DR-16417BR	2006 ± 10 µg/mL
vinyl chloride	000075-01-4	1201FC10	2008 ± 10 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

VM DWM544 00012

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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William J. Leary
Quality Assurance Manager

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Certificate of Analysis

TS 6/9/11

2-Chloroethylvinyl Ether Solution

Product Number: EPA-1016 **Page:** 1 of 1

Lot Number: CG-0850 **Lot Issue Date:** Mar-2010 **Expiration Date:** Apr-2013

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
2-chloroethylvinyl ether	000110-75-8	04606CJ	5015 ± 25 µg/mL

Matrix: methanol (methyl alcohol)

VMGPA1016_ 00003

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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RCC'D
5-15-12

Internal Standard Mixture

Product Number: STM-520 **Page:** 1 of 1

Lot Number: CH-3660 **Lot Issue Date:** 15-Nov-2011 **Expiration Date:** 31-Dec-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
chlorobenzene-d5	003114-55-4	RM01430-01	2503 ± 13 µg/mL
1,4-dichlorobenzene-d4	003855-82-1	RM01700-06	2500 ± 13 µg/mL
fluorobenzene	000462-06-6	RM03366-01	2513 ± 13 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

VMSTM520_00016

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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10/10/12
TS

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Method 8260 Surrogate Standard Mixture

Product Number: STM-530 **Page:** 1 of 1

Lot Number: CJ-1280 **Lot Issue Date:** 17-Apr-2012 **Expiration Date:** 31-May-2015

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
4-bromofluorobenzene	000460-00-4	RM03908-	2512 ± 13 µg/mL
dibromofluoromethane	001868-53-7	RM04871-01	2512 ± 13 µg/mL
1,2-dichloroethane-d4	017060-07-0	RM04304-	2512 ± 13 µg/mL
toluene-d8	002037-26-5	RM04138-	2512 ± 13 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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performance through chemistry
200 William Pitt Way, Pittsburgh, PA 15238
Ph: 412- 826-5230 | Fax: 412-826-5234

CERTIFICATE OF ANALYSIS

Description: CYANIDE STANDARD, 1000ppm (1ml = 1mg CN)

Catalog Number: LC13545
Lot Number: B261-01

Mfg Date: 09/18/2012
Expiration Date: 03/18/2013

ANALYTICAL SECTION

Test	Specification	Test Result
Appearance	clear, colorless solution	Pass Test
Concentration ppm CN	1000ppm +/- 10ppm	1003ppm
Concentration mg CN/mL	1.000mg/mL +/- 0.010 mg CN/mL	1.003mg CN/mL
Traceable to NIST	Potassium Chloride	999b

Submitted By: Greg Albright, Chemist Supervisor

An ISO9001:2008 certified company. Registration # 0306-01

10/01/2012 4:01:38 PM

Form #17.12 06/19/2012

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A Phenomenex Company

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#100
Golden, CO 8040 3

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WP pH — Lot #8121-15

NELAC Analyte Code	Analyte	Certified Value S.U.	Acceptance Limits SU	Acceptance Limits %
1900	pH	5.52	5.32 - 5.72	96.4 - 104

Certified Values = "100% true concentration" of each analyte as determined from gravimetric and volumetric measurements made during standard manufacture.

Acceptance limits = calculated using National Environmental Laboratory Accreditation Conference (NELAC) criteria (ref: 2011-10 NELAC PT FOPT tables, NELAC PT Committee) and Certified Value.

Solvent = ASTM Type I H_2O

Store at 20-25°C.

Expiration Date: 04/15

Catalog #: QC-PH-WP

Preparation Instructions: The Wibby Environmental pH standard is provided as a ready to use standard that can be analyzed directly from the bottle. Transfer the aliquot needed for analysis and tightly re-cap the bottle.

NOTE: Although the pH standard is manufactured from buffers and is inherently stable, care should be taken to avoid excessive exposure to atmospheric air. Excessive exposure can lead to the adsorption of carbon dioxide which will elevate the pH.

Technical Assistance: If you require any technical assistance with this standard, please do not hesitate to call Wibby Environmental at 1-866-WibbyPT (866-942-2978) and ask for Technical Assistance.

Approved by: AFL

Reviewed by: MJM

Date: 06/12

Date: 06/12

#350253 3/9/12 RJR

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CERTIFICATE OF ANALYSIS

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** Custom Solution

Catalog No.: TAPITT-CAL-SPECA-REV

Lot Number: **F2-MEB415031**

Matrix: 3% HNO3(v/v)

2,500 µg/mL ea:
Ca, K, Mg, Na,

1,250 µg/mL ea:
Fe,

25 µg/mL ea:
Al, Mn,

5 µg/mL ea:
Ag, As, Ba, Be, Cd, Co, Cr3, Cu, Ni,
Pb, Se, Sr, Tl, V, Zn

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Aluminum, Al	25.00 ± 0.18 µg/mL	Arsenic, As	5.000 ± 0.032 µg/mL	Barium, Ba	4.999 ± 0.036 µg/mL
Beryllium, Be	5.002 ± 0.036 µg/mL	Cadmium, Cd	5.000 ± 0.032 µg/mL	Calcium, Ca	2,500 ± 16 µg/mL
Chromium+3, Cr3	5.001 ± 0.032 µg/mL	Cobalt, Co	5.003 ± 0.032 µg/mL	Copper, Cu	5.001 ± 0.032 µg/mL
Iron, Fe	1,250 ± 8 µg/mL	Lead, Pb	5.002 ± 0.032 µg/mL	Magnesium, Mg	2,500 ± 16 µg/mL
Manganese, Mn	25.02 ± 0.15 µg/mL	Nickel, Ni	4.999 ± 0.028 µg/mL	Potassium, K	2,500 ± 16 µg/mL
Selenium, Se	5.002 ± 0.028 µg/mL	Silver, Ag	4.999 ± 0.032 µg/mL	Sodium, Na	2,500 ± 16 µg/mL
Strontium, Sr	5.001 ± 0.032 µg/mL	Thallium, Tl	5.002 ± 0.032 µg/mL	Vanadium, V	4.999 ± 0.032 µg/mL
Zinc, Zn	5.001 ± 0.028 µg/mL				

Certified Density: 1.051 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$ ($\bar{x}$) = mean

x_i = individual results

n = number of measurements

Uncertainty $(\pm) = 2 [\Sigma(s_i)^2]^{1/2}$ 2 = the coverage factor.

$[\Sigma(s_i)^2]^{1/2}$ = The square root of the sum of the squares of the most common errors (where 's' stands for the standard deviation) from instrumental measurement, density, NIST SRM uncertainty, weighing, dilution to volume, homogeneity, long term stability and short term stability.

4.0 TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

- "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)
- This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 ASSAY INFORMATION

ELEMENT	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	992212
Al	ICP Assay	3101a	060502
As	Calculated		See Sec. 4.2
Ba	Gravimetric		See Sec. 4.2
Be	Calculated		See Sec. 4.2
Ca	ICP Assay	3109a	050825
Cd	ICP Assay	3108	060531
Co	ICP Assay	3113	00630
Cr3	Calculated		See Sec. 4.2
Cu	ICP Assay	3114	011017
Fe	ICP Assay	3126a	051031
K	Gravimetric		See Sec. 4.2
Mg	ICP Assay	3131a	050302
Mn	ICP Assay	3132	050429
Na	Gravimetric		See Sec. 4.2
Ni	ICP Assay	3136	000612
Pb	ICP Assay	3128	030721
Se	Calculated		See Sec. 4.2
Sr	ICP Assay	3153a	990906
Tl	Calculated		See Sec. 4.2
V	ICP Assay	3165	992706
Zn	ICP Assay	3168a	080123

ELEMENT	METHOD	NIST SRM#	SRM LOT#
Ag	Volhard	999b	999b
Al	EDTA	928	928
As	ICP Assay	3103a	010713
Ba	ICP Assay	3104a	070222
Be	ICP Assay	3105a	892707
Ca	EDTA	928	928
Cd	EDTA	928	928
Co	EDTA	928	928
Cr3	ICP Assay	3112a	030730
Cu	EDTA	928	928
Fe	EDTA	928	928
K	ICP Assay	3141a	051220
Mg	EDTA	928	928
Mn	EDTA	928	928
Na	ICP Assay	3152a	010728
Ni	EDTA	928	928
Pb	EDTA	928	928
Se	ICP Assay	3149	992106
Sr	EDTA	928	928
Tl	ICP Assay	3158	993012
V	EDTA	928	928
Zn	EDTA	928	928

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES IN µg/mL - N/A

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Electrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep **Tightly** sealed when not in use. Store and use at 20 ± 4°C. **Do Not** pipette from the container. **Do Not** return portions removed from pipetting to container.

Element Specific Information - For specific information regarding any element: Contact technical staff.

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

Low Silver Note: This solution contains "LOW" levels of Silver. Please store this entire bottle inside a sealed glass jar.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous.

Inorganic Ventures homogeneity data indicate that the end user should take a minimum sample size of 0.2mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 **ISO 9001 Quality Management System Registration**
- QMI File Number 010105

10.2 **ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"**
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 **ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"**
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 **10CFR50 Appendix B - Nuclear Regulatory Commission**
- Domestic Licensing of Production and Utilization Facilities

10.5 **10CFR21 - Nuclear Regulatory Commission**
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability. Transpiration studies of chemically-stable solutions performed at the manufacturer's facility show a CRM shelf-life of twenty one months for solutions packaged in 125-mL low density polyethylene bottles. When stored under special conditions that minimize transpiration and instability, the shelf life can be extended past this limit.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: March 06, 2012

Expiration Date: EXPIRES 01 APR 2013

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By: Donna Senn, Product Documentation Technician

Certificate Approved By: Brian Alexander, PhD., Quality Control Supervisor

Certifying Officer: Paul Gaines, PhD., Senior Technical Director

#350254 3/9/2012 R1R

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CERTIFICATE OF ANALYSIS

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** Custom Solution

Catalog No.: TAPITT-CAL-SPECB

Lot Number: **F2-MEB415032**

Matrix: tr. HF_1 3% HNO3(v/v)

250 µg/mL ea:
Si,

5 µg/mL ea:
B, Mo, Sb, Sn, Ti

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Antimony, Sb	5.002 ± 0.045 µg/mL	Boron, B	5.000 ± 0.032 µg/mL	Molybdenum, Mo	5.002 ± 0.035 µg/mL
Silicon, Si	250.1 ± 1.2 µg/mL	Tin, Sn	5.002 ± 0.041 µg/mL	Titanium, Ti	5.002 ± 0.039 µg/mL

Certified Density: 1.016 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\sum x_i}{n}$ ($\bar{x}$) = mean

x_i = individual results

n = number of measurements

Uncertainty $(\pm) = 2\,[\,\Sigma(s_i)^2\,]^{1/2}$ 2 = the coverage factor.

$[\,\Sigma(s_i)^2\,]^{1/2}$ = The square root of the sum of the squares of the most common errors (where 's' stands for the standard deviation) from instrumental measurement, density, NIST SRM uncertainty, weighing, dilution to volume, homogeneity, long term stability and short term stability.

4.0 TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 ASSAY INFORMATION

ELEMENT	METHOD	NIST SRM#	SRM LOT#	ELEMENT	METHOD	NIST SRM#	SRM LOT#
B	Calculated		See Sec. 4.2	B	ICP Assay	3107	070514
Mo	Calculated		See Sec. 4.2	Mo	ICP Assay	3134	891307
Sb	Calculated		See Sec. 4.2	Sb	ICP Assay	3102A	061229
Si	Calculated		See Sec. 4.2	Si	ICP Assay	3150	071204
Sn	Calculated		See Sec. 4.2	Sn	ICP Assay	3161a	070330
Ti	Calculated		See Sec. 4.2	Ti	ICP Assay	3162a	060808

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES IN µg/mL - N/A

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Electrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep **Tightly** sealed when not in use. Store and use at 20 ± 4°C. **Do Not** pipette from the container. **Do Not** return portions removed from pipetting to container.

Element Specific Information - For specific information regarding any element: Contact technical staff.

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous.
Inorganic Ventures homogeneity data indicate that the end user should take a minimum sample size of 0.2mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability. Transpiration studies of chemically-stable solutions performed at the manufacturer's facility show a CRM shelf-life of twenty one months for solutions packaged in 125-mL low density polyethylene bottles. When stored under special conditions that minimize transpiration and instability, the shelf life can be extended past this limit.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: March 06, 2012

Expiration Date: EXPIRES 01 APR 2013

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By: Donna Senn, Product Documentation Technician

Donna Senn

Certificate Approved By: Brian Alexander, PhD., Quality Control Supervisor

Brian Alexander

Certifying Officer: Paul Gaines, PhD., Senior Technical Director

Paul R Gaines

#350255 3/9/12 RJR

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CERTIFICATE OF ANALYSIS

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** Custom Solution

Catalog No.: TAPITT-MSICSAB-1

Lot Number: **F2-MEB415033**

Matrix: 3% HNO3(v/v)

10 µg/mL ea:
Ba, Be, Pb, Sr, Tl, V

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Barium, Ba	10.00 ± 0.07 µg/mL	Beryllium, Be	10.00 ± 0.07 µg/mL	Lead, Pb	10.00 ± 0.06 µg/mL
Strontium, Sr	10.00 ± 0.06 µg/mL	Thallium, Tl	10.00 ± 0.06 µg/mL	Vanadium, V	10.00 ± 0.06 µg/mL

Certified Density: 1.014 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$$\text{Uncertainty } (\pm) = 2\,[\,\Sigma(s_i)^2\,]^{1/2}$$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements
2 = the coverage factor.
$[\,\Sigma(s_i)^2\,]^{1/2}$ = The square root of the sum of the squares of the most common errors (where 's' stands for the standard deviation) from instrumental measurement, density, NIST SRM uncertainty, weighing, dilution to volume, homogeneity, long term stability and short term stability.

4.0 TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 ASSAY INFORMATION

ELEMENT	METHOD	NIST SRM#	SRM LOT#	ELEMENT	METHOD	NIST SRM#	SRM LOT#
Ba	Gravimetric		See Sec. 4.2	Ba	ICP Assay	3104a	070222
Be	Calculated		See Sec. 4.2	Be	ICP Assay	3105a	892707
Pb	ICP Assay	3128	030721	Pb	EDTA	928	928
Sr	ICP Assay	3153a	990906	Sr	EDTA	928	928
Tl	Calculated		See Sec. 4.2	Tl	ICP Assay	3158	993012
V	ICP Assay	3165	992706	V	EDTA	928	928

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES IN µg/mL - N/A

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Electrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep **Tightly** sealed when not in use. Store and use at 20 ± 4°C. **Do Not** pipette from the container. **Do Not** return portions removed from pipetting to container.

Element Specific Information - For specific information regarding any element: Contact technical staff.

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous.

Inorganic Ventures homogeneity data indicate that the end user should take a minimum sample size of 0.2mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 **ISO 9001 Quality Management System Registration**
- QMI File Number 010105

10.2 **ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"**
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 **ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"**
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 **10CFR50 Appendix B - Nuclear Regulatory Commission**
- Domestic Licensing of Production and Utilization Facilities

10.5 **10CFR21 - Nuclear Regulatory Commission**
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability. Transpiration studies of chemically-stable solutions performed at the manufacturer's facility show a CRM shelf-life of twenty one months for solutions packaged in 125-mL low density polyethylene bottles. When stored under special conditions that minimize transpiration and instability, the shelf life can be extended past this limit.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: March 06, 2012

Expiration Date: EXPIRES 01 APR 2013

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By: Donna Senn, Product Documentation Technician

Certificate Approved By: Brian Alexander, PhD., Quality Control Supervisor

Certifying Officer: Paul Gaines, PhD., Senior Technical Director

#350256 3/9/12 RJR

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CERTIFICATE OF ANALYSIS

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1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** Custom Solution

Catalog No.: TAPITT-MSICSAB-2

Lot Number: **E2-MEB361116**

Matrix: tr. HF, 3% HNO3(v/v)

250 µg/mL ea:
Si,

50 µg/mL ea:
Sn,

25 µg/mL ea:
B, Se,

10 µg/mL ea:
Sb

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Antimony, Sb	10.01 ± 0.05 µg/mL	Boron, B	24.98 ± 0.18 µg/mL	Selenium, Se	25.03 ± 0.33 µg/mL
Silicon, Si	249.8 ± 0.6 µg/mL	Tin, Sn	49.97 ± 0.34 µg/mL		

Certified Density: 1.018 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

$$\text{Certified Value } (\bar{x}) = \frac{\sum x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$$

($\bar{x}$) = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

- "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)
- This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 ASSAY INFORMATION

ELEMENT	METHOD	NIST SRM#	SRM LOT#
B	ICP Assay	3107	070514
Sb	ICP Assay	3102A	061229
Se	ICP Assay	3149	992106
Si	ICP Assay	3150	071204
Sn	ICP Assay	3161a	070330

ELEMENT	METHOD	NIST SRM#	SRM LOT#
Sb	Calculated		See Sec. 4.2
Se	Calculated		See Sec. 4.2
Si	Calculated		See Sec. 4.2
Sn	Calculated		See Sec. 4.2

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES IN µg/mL - N/A

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Electrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep Tightly sealed when not in use. Store and use at 20 ± 4°C. **Do Not** pipette from the container. **Do Not** return portions removed from pipetting to container.

Element Specific Information - For specific information regarding any element: Contact technical staff.

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to in-house procedure IV-MPM-004 and is guaranteed to be homogeneous.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 **ISO 9001 Quality Management System Registration**
- QMI File Number 010105

10.2 **ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"**
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 **ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"**
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 **10CFR50 Appendix B - Nuclear Regulatory Commission**
- Domestic Licensing of Production and Utilization Facilities

10.5 **10CFR21 - Nuclear Regulatory Commission**
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability. Transpiration studies of chemically-stable solutions performed at the manufacturer's facility show a CRM shelf-life of twenty one months for solutions packaged in 125-mL low density polyethylene bottles. When stored under special conditions that minimize transpiration and instability, the shelf life can be extended past this limit.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: January 26, 2011

Expiration Date: EXPIRES 01 APR 2013

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:	Donna Senn, Product Documentation Technician	Donna Senn
Certificate Approved By:	Madeline Gozzi, Quality Control Supervisor	Madeline Gozzi
Certifying Officer:	Paul Gaines, PhD., Senior Technical Director	Paul R Gaines

INORGANIC VENTURES™
300 Technology Drive
Christiansburg, VA 24073 • USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

tel: 800.669.6799 • 540.585.3030
fax: 540.585.3012
info@inorganicventures.com

CH 10.15.12

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** Custom Solution

Catalog No.: TAPITT-MS-ICPMS

Lot Number: **F2-MEB410066**

Matrix: 0.7% HNO3(v/v)

200 µg/mL ea:
Al, Ba,

100 µg/mL ea:
B, Fe, Sr,

50 µg/mL ea:
Co, Mn, Ni, V, Zn,

25 µg/mL ea:
Cu,

20 µg/mL ea:
Cr3,

5 µg/mL ea:
Ag, Be, Cd, Tl,

4 µg/mL ea:
As,

2 µg/mL ea:
Pb,

1 µg/mL ea:
Se

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Aluminum, Al	200.0 ± 1.4 µg/mL	Arsenic, As	4.000 ± 0.026 µg/mL	Barium, Ba	200.0 ± 1.3 µg/mL
Beryllium, Be	5.000 ± 0.036 µg/mL	Boron, B	100.0 ± 0.7 µg/mL	Cadmium, Cd	5.000 ± 0.032 µg/mL
Chromium+3, Cr3	20.00 ± 0.14 µg/mL	Cobalt, Co	50.00 ± 0.32 µg/mL	Copper, Cu	25.01 ± 0.18 µg/mL
Iron, Fe	100.1 ± 0.7 µg/mL	Lead, Pb	2.001 ± 0.013 µg/mL	Manganese, Mn	50.00 ± 0.28 µg/mL
Nickel, Ni	50.00 ± 0.37 µg/mL	Selenium, Se	1.000 ± 0.006 µg/mL	Silver, Ag	5.002 ± 0.032 µg/mL
Strontium, Sr	100.0 ± 0.7 µg/mL	Thallium, Tl	5.001 ± 0.028 µg/mL	Vanadium, V	50.01 ± 0.44 µg/mL
Zinc, Zn	50.01 ± 0.32 µg/mL				

Certified Density: 1.006 g/mL (measured at 20 ± 1° C)

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES IN µg/mL - N/A

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Electrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep **Tightly** sealed when not in use. Store and use at 20 ± 4°C. **Do Not** pipette from the container. **Do Not** return portions removed from pipetting to container.

Element Specific Information - For specific information regarding any element: Contact technical staff.

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

Low Silver Note: This solution contains "LOW" levels of Silver. Please store this entire bottle inside a sealed glass jar.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

MATERIAL SAFETY DATA SHEET
TAPITT-MS-ICPMS

Revision Number 3, Revision Date October 08, 2012

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product code TAPITTMS-ICPMS

Product name Multi-element Solution Standard in Dilute Nitric Acid

Common Name Contains: 200 µg/mL ea: Al, Ba; 100 µg/mL ea: B, Fe, Sr; 50 µg/mL ea: Co, Mn, Ni, V, Zn; 25 µg/mL Cu; 20 µg/mL Cr3; 5 µg/mL ea: Ag, Be, Cd, Tl; 4 µg/mL As; 2 µg/mL Pb; 1 µg/mL Se

Manufacturer, importer, supplier Inorganic Ventures
300 Technology Drive
Christiansburg, VA 24073
web: www.inorganicventures.com

Emergency telephone number 800-424-9300 CHEMTREC (24 hrs)

2. COMPOSITION/INFORMATION ON INGREDIENTS

CAS	Chemical Name	% Weight	ACGIH*	OSHA*
7732-18-5	Water	~99.3	N/A	N/A
7697-37-2	Nitric Acid	~0.7	2 ppm TWA	2 ppm TWA; 5 mg/m3 TWA

* ACGIH - Occupational Exposure Limits - TWAs
* OSHA - Final PELs - Time Weighted Averages (TWAs)

3. HAZARDS IDENTIFICATION

Emergency Overview
- Vapours may be irritating to eyes, nose, throat, and lungs
- Corrosive

Eye contact	• Contact with eyes may cause irritation
Skin contact	• Substance may cause slight skin irritation
Inhalation	• May cause irritation of respiratory tract
Ingestion	• Harmful if swallowed

4. FIRST AID MEASURES

General advice	• Show this safety data sheet to the doctor in attendance
Skin contact	• Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes • Consult a physician if necessary
Eye contact	• Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes • Keep eye wide open while rinsing • If eye irritation persists, consult a specialist
Inhalation	• Move to fresh air in case of accidental inhalation of vapours • If breathing is difficult, give oxygen • Consult a physician if necessary
Ingestion	• Call a physician or Poison Control Centre immediately • If swallowed, seek medical advice immediately and show this container or label • If conscious, drink plenty of water

5. FIRE FIGHTING MEASURES

Flash point	NA
Suitable extinguishing media	• Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

Appearance	clear
Colour	yellow tint.
Odour	None.

Important Health Safety and Environmental Information

pH	0 to 2
Boiling point/range	100°C
Flash point	N/A
Vapour pressure	NA.
Water solubility	miscible.

10. STABILITY AND REACTIVITY

Stability	• Stable under normal conditions • Hazardous polymerization does not occur
Materials to avoid	• organic materials • reducing agents
Hazardous decomposition products	• nitrogen oxides (NOx)

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Component Information

CAS	Chemical Name	% Weight	LD50/oral/rat =	LD50/dermal/rat =
7732-18-5	Water	~99.3	N/A	N/A
7697-37-2	Nitric Acid	~0.7	Inhalation LC50 Rat: 130 mg/kg/4H	Inhalation LC50 Rat: 130 mg/kg/4H

Product Information

Local effects	
Skin irritation	May cause skin irritation and/or dermatitis.
Eye irritation	May cause eye irritation with susceptible persons.
Inhalation	May cause irritation of respiratory tract.
Ingestion	If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the esophagus and the stomach.
Chronic toxicity	Avoid repeated exposure.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Component Information

CAS	Chemical Name	% Weight	EFAD*	EFFSD*	EMD - Ecotoxicity*
7732-18-5	Water	~99.3	N/A	N/A	N/A
7697-37-2	Nitric Acid	~0.7	N/A	N/A	N/A

* EFAD - Ecotoxicity - Freshwater Algae Data
* EFFSD - Ecotoxicity - Freshwater Fish Species Data
* EMD - Ecotoxicity - Microtox Data

Product Information

Do not allow material to contaminate ground water or sewage system

Other information

13. DISPOSAL CONSIDERATIONS

INORGANIC™ VENTURES
300 Technology Drive
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CERTIFICATE OF ANALYSIS

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1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** Custom Solution

Catalog No.: TAPITT-MS-A

Lot Number: **F2-MEB440138**

Matrix: 3% HNO3(v/v)

5,000 µg/mL ea:
Ca, K, Mg, Na

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Calcium, Ca	5,000 ± 34 µg/mL	Magnesium, Mg	5,000 ± 33 µg/mL	Potassium, K	5,000 ± 37 µg/mL
Sodium, Na	5,000 ± 34 µg/mL				

Certified Density: 1.071 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$ ($\bar{x}$) = mean

x_i = individual results

n = number of measurements

Uncertainty $(\pm) = 2 [\Sigma(s_i)^2]^{1/2}$ 2 = the coverage factor.

$[\Sigma(s_i)^2]^{1/2}$ = The square root of the sum of the squares of the most common errors (where 's' stands for the standard deviation) from instrumental measurement, density, NIST SRM uncertainty, weighing, dilution to volume, homogeneity, long term stability and short term stability.

4.0 **TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS**

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 ASSAY INFORMATION

ELEMENT	METHOD	NIST SRM#	SRM LOT#	ELEMENT	METHOD	NIST SRM#	SRM LOT#
Ca	ICP Assay	3109a	050825	Ca	EDTA	928	928
K	Gravimetric		See Sec. 4.2	K	ICP Assay	3141a	051220
Mg	ICP Assay	3131a	050302	Mg	EDTA	928	928
Na	Gravimetric		See Sec. 4.2	Na	ICP Assay	3152a	010728

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES IN µg/mL - N/A

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Electrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep **Tightly** sealed when not in use. Store and use at 20 ± 4°C. **Do Not** pipette from the container. **Do Not** return portions removed from pipetting to container.

Element Specific Information - For specific information regarding any element: Contact technical staff.

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous.

Inorganic Ventures homogeneity data indicate that the end user should take a minimum sample size of 0.2mL to assure homogeneity

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability. Transpiration studies of chemically-stable solutions performed at the manufacturer's facility show a CRM shelf-life of twenty one months for solutions packaged in 125-mL low density polyethylene bottles. When stored under special conditions that minimize transpiration and instability, the shelf life can be extended past this limit.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: October 08, 2012

Expiration Date: EXPIRES 01 JAN 2014

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By: Donna Senn
Product Documentation Technician

Certificate Approved By: Brian Alexander
PhD., Quality Control Supervisor

Certifying Officer: Paul Gaines
PhD., Senior Technical Director

INORGANIC VENTURES™
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CERTIFICATE OF ANALYSIS

CH · 12-2-12

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ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** Custom Solution

Catalog No.: TAPITT-MS-C

Lot Number: **F2-MEB427091**

Matrix: 3% HNO3(v/v), tr. HF

1,000 µg/mL ea:
Si,

200 µg/mL ea:
Sn,

100 µg/mL ea:
Mo, Ti,

50 µg/mL ea:
Sb

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Antimony, Sb	50.03 ± 0.38 µg/mL	Molybdenum, Mo	100.0 ± 0.8 µg/mL	Silicon, Si	1,000 ± 5 µg/mL
Tin, Sn	200.0 ± 1.3 µg/mL	Titanium, Ti	100.0 ± 0.7 µg/mL		

Certified Density: 1.019 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements

$$\text{Uncertainty } (\pm) = 2\,[\,\Sigma(s_i)^2\,]^{1/2}$$

2 = the coverage factor.
$[\,\Sigma(s_i)^2\,]^{1/2}$ = The square root of the sum of the squares of the most common errors (where 's' stands for the standard deviation) from instrumental measurement, density, NIST SRM uncertainty, weighing, dilution to volume, homogeneity, long term stability and short term stability.

4.0 TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)
· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 ASSAY INFORMATION

ELEMENT	METHOD	NIST SRM#	SRM LOT#	ELEMENT	METHOD	NIST SRM#	SRM LOT#
Mo	Calculated		See Sec. 4.2	Mo	ICP Assay	3134	891307
Sb	Calculated		See Sec. 4.2	Sb	ICP Assay	3102A	061229
Si	Calculated		See Sec. 4.2	Si	ICP Assay	3150	071204
Sn	Calculated		See Sec. 4.2	Sn	ICP Assay	3161a	070330
Ti	ICP Assay	3162a	060808				

4.2 BALANCE CALIBRATION - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 THERMOMETER CALIBRATION - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 GLASSWARE CALIBRATION - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES IN µg/mL - N/A

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Electrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep **Tightly** sealed when not in use. Store and use at 20 ± 4°C. **Do Not** pipette from the container. **Do Not** return portions removed from pipetting to container.

Element Specific Information - For specific information regarding any element: Contact technical staff.

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous.

Inorganic Ventures homogeneity data indicate that the end user should take a minimum sample size of 0.2mL to assure homogeneity

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability. Transpiration studies of chemically-stable solutions performed at the manufacturer's facility show a CRM shelf-life of twenty one months for solutions packaged in 125-mL low density polyethylene bottles. When stored under special conditions that minimize transpiration and instability, the shelf life can be extended past this limit.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: June 21, 2012

Expiration Date: EXPIRES 01 JAN 2014

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By: Donna Senn
Product Documentation Technician

Certificate Approved By: Brian Alexander
PhD., Quality Control Supervisor

Certifying Officer: Paul Gaines
PhD., Senior Technical Director

Rcvd 8/28/12 RM

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.Restek.com

Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 31661 **Lot No.:** A085338

Description : 3,5-Dinitroaniline Standard

SV Stock Solution, 3,5-Dinitroaniline Std, 1000µg/ml, Acetonitrile, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] July 2016 **Storage:** 10°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	3,5-Dinitroaniline	618-87-1	99%	1,000.0 ug/mL	+/- 5.9397 ug/mL
Solvent:	Acetonitrile	75-05-8	99%		

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

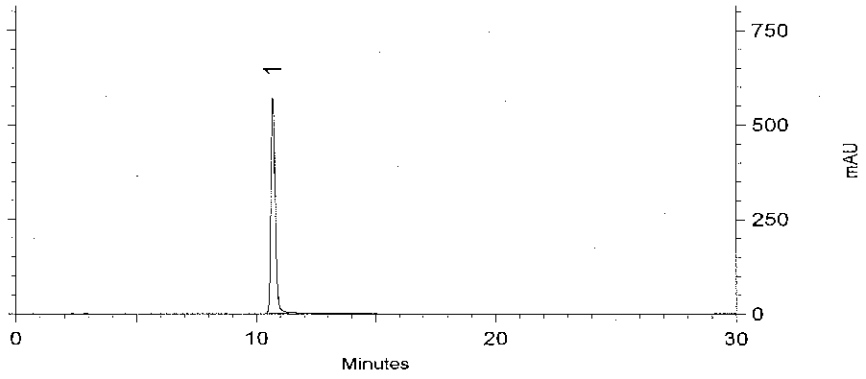
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



Diane Shaffer - QA Analyst

Date Passed: 02-Dec-2011 **Balance:** 1128342313

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

1 Expiration date of the unopened ampule stored at the recommended storage condition is the last day of the month listed.

2A Purity and chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Purity value is rounded to the nearest whole number. See data pack or contact Restek for further details.

2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.

2C The following types of compounds will have a listed purity of less than 99%: Aldehyde/Ketone-DNPH compounds, Bromides, Chlorides, HCL salts, HBR salts, sulfates, hydrates, and other compounds as necessary. The listed purity is a correction factor that is equivalent to the percentage of parent compound in the molecule. This correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution. The concentration listed on the certificate is the concentration of the parent compound in the solution.

2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.

3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.

4 Uncertainties determined using data for balances and glassware from measurement systems analysis methodology, raw material purity, and, when significant, equipment tolerances or calibration results.

5A Containers are overfilled to ensure the packaged amount, as a minimum.

5B Restek supplies deactivated vials along with most standards packed in 2 mL ampules, for the handling and storage of standards. Due to space constraints, Restek does not supply vials for larger volume ampules. Samples should be transferred into deactivated vials for handling and storage. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory, as a custom ordered item. Contact your Restek sales or customer service representative for details.

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Certificate of Analysis

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

Recvd 3/11/11 Scanned 4/19/11

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. :	33905	**Lot No.:**	A078069
Description :	8330 Calibration Standard		
Container Size : [5]	2 mL	**Pkg Amt:** [5]	> 1 mL
Expiration Date : [1]	June 2014	**Storage:**	10°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	% Grav.Uncert. (95% C.L.; K=2) [4]
1	HMX	2691-41-0	99%	1,000.0 ug/ml	+/-0.59 %
2	RDX	121-82-4	98%	999.6 ug/ml	+/-0.59 %
3	1,3,5-Trinitrobenzene	99-35-4	99%	1,000.0 ug/ml	+/-0.59 %
4	1,3-Dinitrobenzene	99-65-0	97%	1,000.1 ug/ml	+/-0.59 %
5	Nitrobenzene	98-95-3	99%	1,000.0 ug/ml	+/-0.59 %
6	Tetryl	479-45-8	99%	1,000.0 ug/ml	+/-0.59 %
7	2,4,6-Trinitrotoluene	118-96-7	98%	999.6 ug/ml	+/-0.59 %
8	2-Amino-4,6-dinitrotoluene	35572-78-2	99%	1,000.0 ug/ml	+/-0.59 %
9	4-Amino-2,6-dinitrotoluene	19406-51-0	98%	999.6 ug/ml	+/-0.59 %
10	2,4-Dinitrotoluene	121-14-2	99%	1,000.0 ug/ml	+/-0.59 %
11	2,6-Dinitrotoluene	606-20-2	99%	1,000.0 ug/ml	+/-0.59 %
12	2-Nitrotoluene	88-72-2	99%	1,000.0 ug/ml	+/-0.59 %
13	4-Nitrotoluene	99-99-0	99%	1,000.0 ug/ml	+/-0.59 %
14	3-Nitrotoluene	99-08-1	99%	1,000.0 ug/ml	+/-0.59 %
Solvent:	Acetonitrile	75-05-8	99%		

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

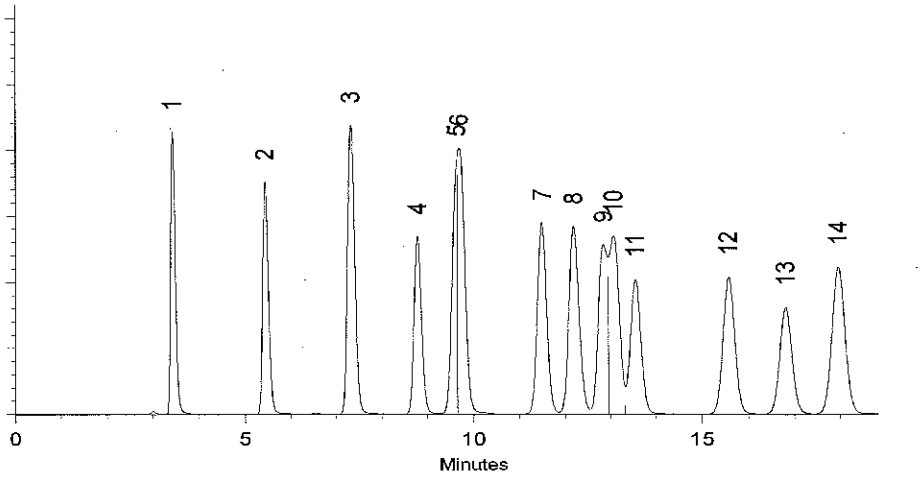
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



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Catalog No. : 31452 **Lot No.:** A082463

Description : 8330 Internal Standard Mix

SV Mix, 8000 Series Method, 8330 Internal Std, 3,4-dinitrotoluene, 1,000µg/ml, Methanol, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] June 2016 **Storage:** 10°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L., K=2) [4]
1	3,4-Dinitrotoluene	610-39-9	99%	1,000.0 ug/mL	+/- 5.9 ug/mL
Solvent:	Methanol	67-56-1	99%		

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

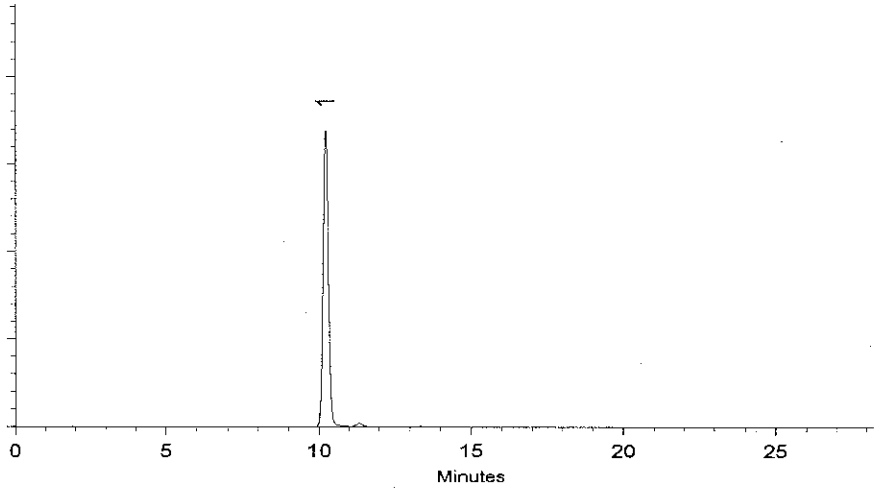
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



Rcvd 11/5/12

John Lidgett - QA Analyst

Date Passed: 23-Jun-2011 **Balance:** 1125113331

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

1 Expiration date of the unopened ampule stored at the recommended storage condition is the last day of the month listed.

2A Purity and chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Purity value is rounded to the nearest whole number. See data pack or contact Restek for further details.

2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.

2C The following types of compounds will have a listed purity of less than 99%: Aldehyde/Ketone-DNPH compounds, Bromides, Chlorides, HCL salts, HBR salts, sulfates, hydrates, and other compounds as necessary. The listed purity is a correction factor that is equivalent to the percentage of parent compound in the molecule. This correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution. The concentration listed on the certificate is the concentration of the parent compound in the solution.

2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.

3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.

4 Uncertainties determined using data for balances and glassware from measurement systems analysis methodology, raw material purity, and, when significant, equipment tolerances or calibration results.

5A Containers are overfilled to ensure the packaged amount, as a minimum.

5B Restek supplies deactivated vials along with most standards packed in 2 mL ampules, for the handling and storage of standards. Due to space constraints, Restek does not supply vials for larger volume ampules. Samples should be transferred into deactivated vials for handling and storage. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory, as a custom ordered item. Contact your Restek sales or customer service representative for details.

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Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 31452 **Lot No.:** A082463

Description : 8330 Internal Standard Mix

SV Mix, 8000 Series Method, 8330 Internal Std, 3,4-dinitrotoluene, 1,000µg/ml, Methanol, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] June 2016 **Storage:** 10°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L., K=2) [4]
1	3,4-Dinitrotoluene	610-39-9	99%	1,000.0 ug/mL	+/- 5.9 ug/mL
Solvent:	Methanol	67-56-1	99%		

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

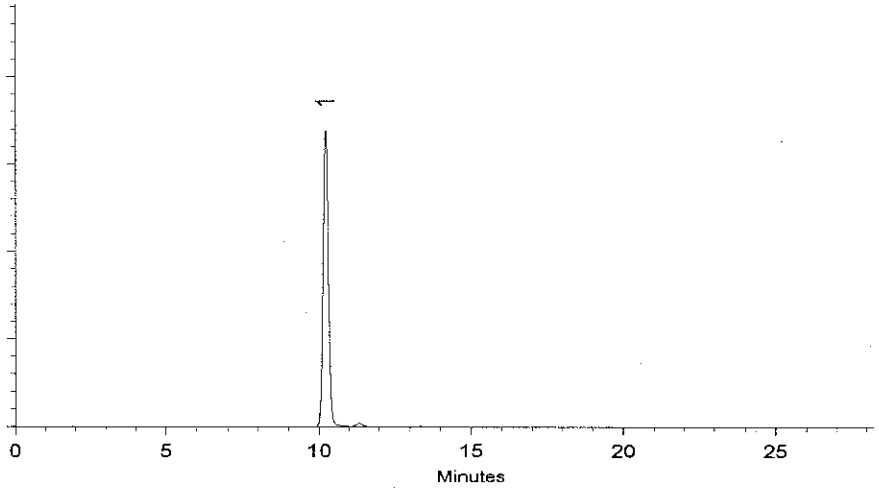
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



Rcvd 11/5/12

John Lidgett - QA Analyst

Date Passed: 23-Jun-2011 **Balance:** 1125113331

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

1 Expiration date of the unopened ampule stored at the recommended storage condition is the last day of the month listed.

2A Purity and chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Purity value is rounded to the nearest whole number. See data pack or contact Restek for further details.

2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.

2C The following types of compounds will have a listed purity of less than 99%: Aldehyde/Ketone-DNPH compounds, Bromides, Chlorides, HCL salts, HBR salts, sulfates, hydrates, and other compounds as necessary. The listed purity is a correction factor that is equivalent to the percentage of parent compound in the molecule. This correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution. The concentration listed on the certificate is the concentration of the parent compound in the solution.

2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.

3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.

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Standard Solution Assay Parameters

Analysis Method:	HPLC/UV
Column:	Prodigy ODS 3, 4.6 x 250 mm
Mobile Phase:	A: Water B: Methanol

Gradient Program:

Time (mins)	%A	%B
0.0	50	50
10.0	40	60
25.0	40	60

Flow Rate:	0.8 mL/min
Wavelength:	254 nm

Calibration Curve

Calibration Curve:	Linear Regression
Number of Points:	1

Solution Standard Verification and Homogeneity

Compound	Verified Concentration µg/mL	Acceptance Criteria	%RSD - Homogeneity %	Acceptance Criteria
2-Amino-4,6-dinitrotoluene	199.9	± 10%	0.8	≤ 3%
4-Amino-2,6-dinitrotoluene	201.3	± 10%	1.4	≤ 3%
1,3-Dinitrobenzene	199.5	± 10%	0.7	≤ 3%
2,4-Dinitrotoluene	200.1	± 10%	0.6	≤ 3%
2,6-Dinitrotoluene	197.7	± 10%	0.9	≤ 3%
HMX	199.5	± 10%	0.7	≤ 3%
Nitrobenzene	199.8	± 10%	0.2	≤ 3%
2-Nitrotoluene	199.5	± 10%	0.2	≤ 3%
3-Nitrotoluene	199.0	± 10%	0.5	≤ 3%
4-Nitrotoluene	199.4	± 10%	0.6	≤ 3%
RDX	199.4	± 10%	0.7	≤ 3%
Tetryl	197.8	± 10%	0.7	≤ 3%
1,3,5-Trinitrobenzene	199.3	± 10%	0.7	≤ 3%
2,4,6-Trinitrotoluene (TNT)	198.6	± 10%	1.0	≤ 3%

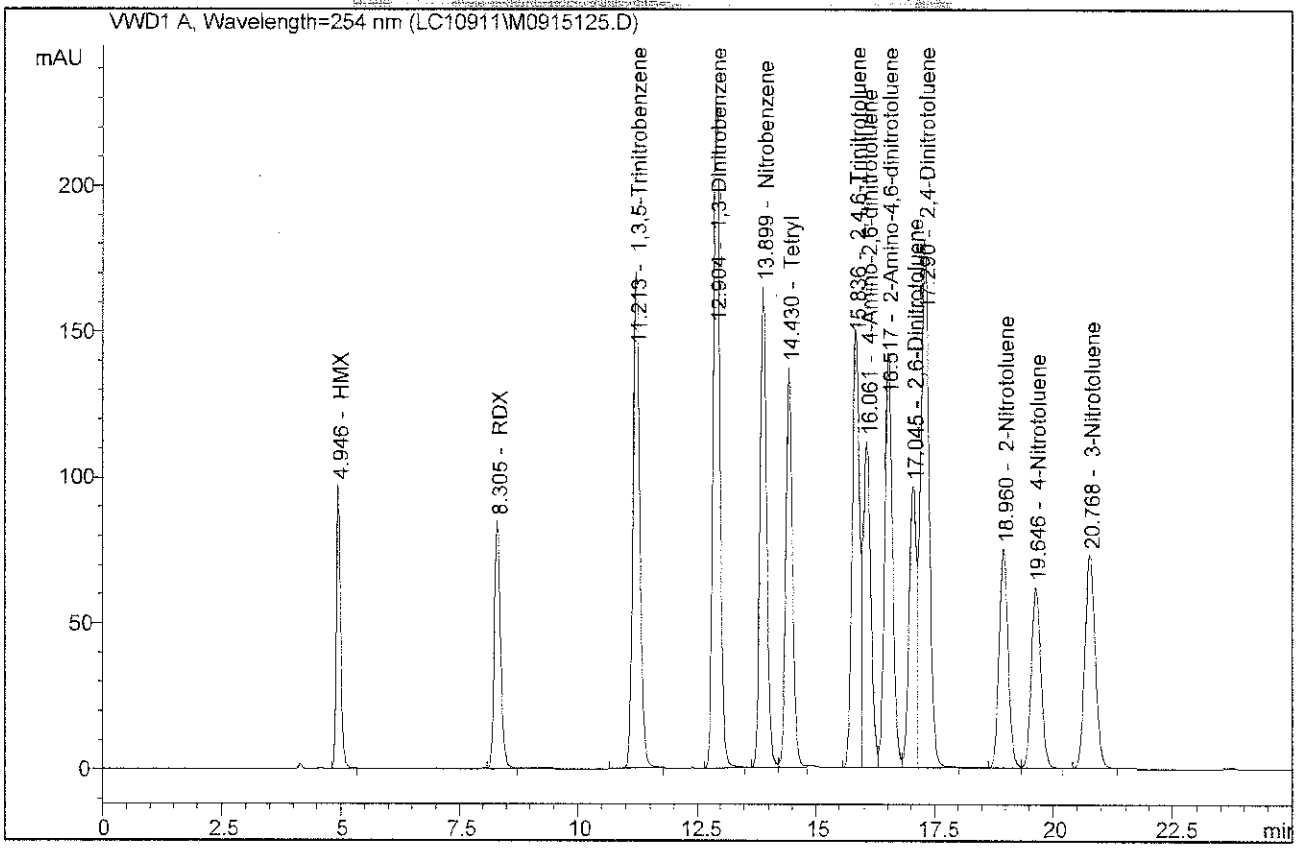
- Concentration is verified through multiple analyses and is calculated as the average of multiple analyses compared to an independently prepared calibration curve.
- Homogeneity is ensured through rigorous production process controls statistically analyzed to evaluate risk and verified by analysis. The %RSD of samples pulled from across the lot demonstrate homogeneity.
- Product is compared to prior lot and meets acceptance criteria of ± 10%.

Neat Material Data

Compound	Lot Number	CAS Number	Chemical Formula	Molecular Weight	Chromatographic Purity
2-Amino-4,6-dinitrotoluene	29550-55	35572-78-2	$C_7H_7N_3O_4$	197.15	99.98%
4-Amino-2,6-dinitrotoluene	ER070908-01	19406-51-0	$C_7H_7N_3O_4$	197.15	99.88%
1,3-Dinitrobenzene	EB-1876	99-65-0	$C_6H_4N_2O_4$	168.11	98.72%
2,4-Dinitrotoluene	EB-1379	121-14-2	$C_7H_6N_2O_4$	182.14	99.00%
2,6-Dinitrotoluene	PER-083-93401	606-20-2	$C_7H_6N_2O_4$	182.14	99.59%
HMX	ER052908-01	2691-41-0	$C_4H_8N_8O_8$	296.16	98.41%
Nitrobenzene	PR090310-01	98-95-3	$C_6H_5NO_2$	123.11	99.96%
2-Nitrotoluene	EB-1509	88-72-2	$C_7H_7NO_2$	137.14	99.95%
3-Nitrotoluene	EB-1519	99-08-1	$C_7H_7NO_2$	137.14	99.94%
4-Nitrotoluene	EB-1816	99-99-0	$C_7H_7NO_2$	137.14	99.81%
RDX	ER091609-04	121-82-4	$C_3H_6N_6O_6$	222.12	99.94%
Tetryl	34268-43	479-45-8	$C_7H_5N_5O_8$	287.15	98.67%
1,3,5-Trinitrobenzene	PR122706-01	99-35-4	$C_6H_3N_3O_6$	213.11	99.96%
2,4,6-Trinitrotoluene (TNT)	PR041911-01	118-96-7	$C_7H_5N_3O_6$	227.13	99.89%

♦ Purity Factor = [(100 - wt% residual solvent - wt% residual water - wt% residual inorganics) x Chromatographic Purity/100].

Product Analysis



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Rcvd 8/28/12

Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 33905 **Lot No.:** A084334

Description : 8330 Calibration Standard

Nitroaromatics and Nitramine Explosives by HPLC, 1,000µg/ml, Acetonitrile, 1ml/ampule

Container Size : [5,1] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : May 2015 **Storage:** 10°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	HMX	2691-41-0	99%	1,000.0 ug/mL	+/- 5.9397 ug/mL
2	RDX	121-82-4	98%	999.6 ug/mL	+/- 5.9373 ug/mL
3	1,3,5-Trinitrobenzene	99-35-4	98%	999.6 ug/mL	+/- 5.9373 ug/mL
4	1,3-Dinitrobenzene	99-65-0	97%	1,000.1 ug/mL	+/- 5.9401 ug/mL
5	Nitrobenzene	98-95-3	99%	1,000.0 ug/mL	+/- 5.9397 ug/mL
6	Tetryl	479-45-8	99%	1,000.0 ug/mL	+/- 5.9397 ug/mL
7	2,4,6-Trinitrotoluene	118-96-7	98%	999.6 ug/mL	+/- 5.9373 ug/mL
8	2-Amino-4,6-dinitrotoluene	35572-78-2	99%	1,000.0 ug/mL	+/- 5.9397 ug/mL
9	4-Amino-2,6-dinitrotoluene	19406-51-0	98%	999.6 ug/mL	+/- 5.9373 ug/mL
10	2,4-Dinitrotoluene	121-14-2	99%	1,000.0 ug/mL	+/- 5.9397 ug/mL
11	2,6-Dinitrotoluene	606-20-2	99%	1,000.0 ug/mL	+/- 5.9397 ug/mL
12	2-Nitrotoluene	88-72-2	99%	1,000.0 ug/mL	+/- 5.9397 ug/mL
13	4-Nitrotoluene	99-99-0	97%	970.0 ug/mL	+/- 5.7615 ug/mL
14	3-Nitrotoluene	99-08-1	97%	1,000.1 ug/mL	+/- 5.9401 ug/mL

Solvent: Acetonitrile 75-05-8 99%

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

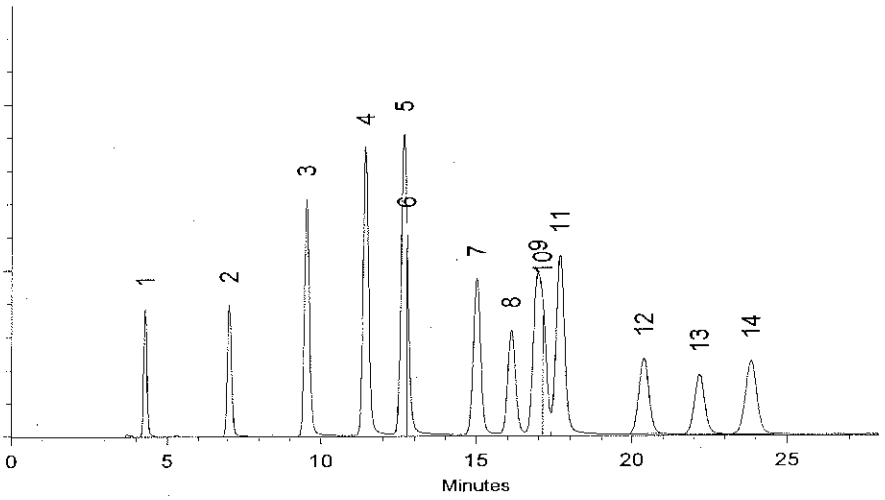
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



Diane Shaffer - QA Analyst

Date Passed: 22-Nov-2011 **Balance:** 1128342314

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

1 Expiration date of the unopened ampule stored at the recommended storage condition is the last day of the month listed.

2A Purity and chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Purity value is rounded to the nearest whole number. See data pack or contact Restek for further details.

2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.

2C The following types of compounds will have a listed purity of less than 99%: Aldehyde/Ketone-DNPH compounds, Bromides, Chlorides, HCL salts, HBR salts, sulfates, hydrates, and other compounds as necessary. The listed purity is a correction factor that is equivalent to the percentage of parent compound in the molecule. This correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution. The concentration listed on the certificate is the concentration of the parent compound in the solution.

2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.

3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.

4 Uncertainties determined using data for balances and glassware from measurement systems analysis methodology, raw material purity, and, when significant, equipment tolerances or calibration results.

5A Containers are overfilled to ensure the packaged amount, as a minimum.

5B Restek supplies deactivated vials along with most standards packed in 2 mL ampules, for the handling and storage of standards. Due to space constraints, Restek does not supply vials for larger volume ampules. Samples should be transferred into deactivated vials for handling and storage. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory, as a custom ordered item. Contact your Restek sales or customer service representative for details.

Note:

Rcvd 3/16/12

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Testing Laboratory
Certificate #3222.02

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31601 **Lot No.:** A085885

Description : EGDN Standard

1000ug/mL, Methanol, 1mL/ampul *PGI BOX REQUIRED* SHIP FED EX GROUND ONLY

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 2017 **Storage:** 10°C or colder

Elution Order	Compound	CAS #	Percent Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	EGDN	628-96-6	99%	1,000.0 ug/mL	+/- 5.9397 ug/mL
Solvent:	Methanol	67-56-1	99%		

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

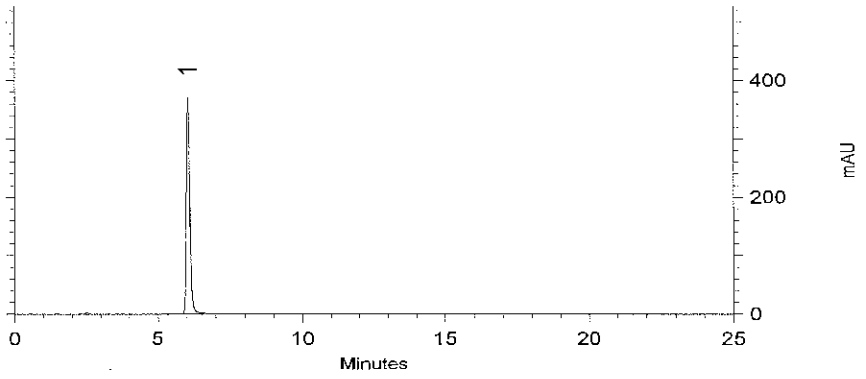
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



Diane Shaffer - QA Analyst

Date Passed: 16-Jan-2012 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

General Reference Material Notes

Expiration Notes:

- Expiration date of the unopened ampul stored at the recommended storage condition is the last day of the month listed in the expiration date field.
- Uncertainty, concentration, and expiration of the RM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Uncertainty Value Notes:

- Uncertainties are determined using data from balances and glassware, raw material purity, and, when significant, equipment tolerances or calibration results.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Samples should be transferred into deactivated vials for handling and storage. Restek supplies deactivated vials along with most standards packed in 2 mL ampules. Due to space constraints, Restek does not supply vials for larger volume ampules. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory as a custom ordered item. Contact your Restek sales or customer service representative for details.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

HP NGTA – 00001

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Catalog No. : 31498 **Lot No.:** A082035

Description : Nitroglycerin Standard

SV Mix, Nitroglycerin Standard, 1,000µg/ml, Methanol, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] May 2016 **Storage:** 10°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	Nitroglycerin	55-63-0	99%	1,000.0 ug/mL	+/- 5.9 ug/mL
Solvent:	Methanol	67-56-1	99%		

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

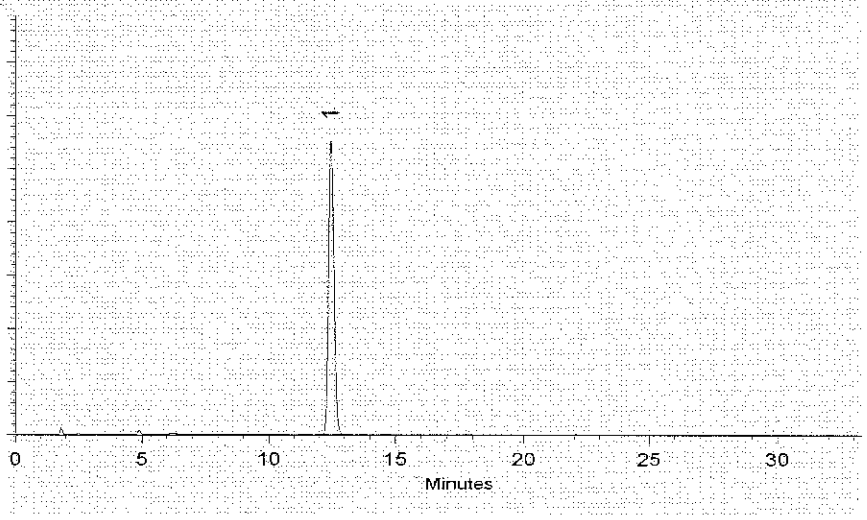
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



HP NGTA – 00001

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Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 31498 **Lot No.:** A082035

Description : Nitroglycerin Standard

SV Mix, Nitroglycerin Standard, 1,000µg/ml, Methanol, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] May 2016 **Storage:** 10°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	Nitroglycerin	55-63-0	99%	1,000.0 ug/mL	+/- 5.9 ug/mL
Solvent:	Methanol	67-56-1	99%		

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

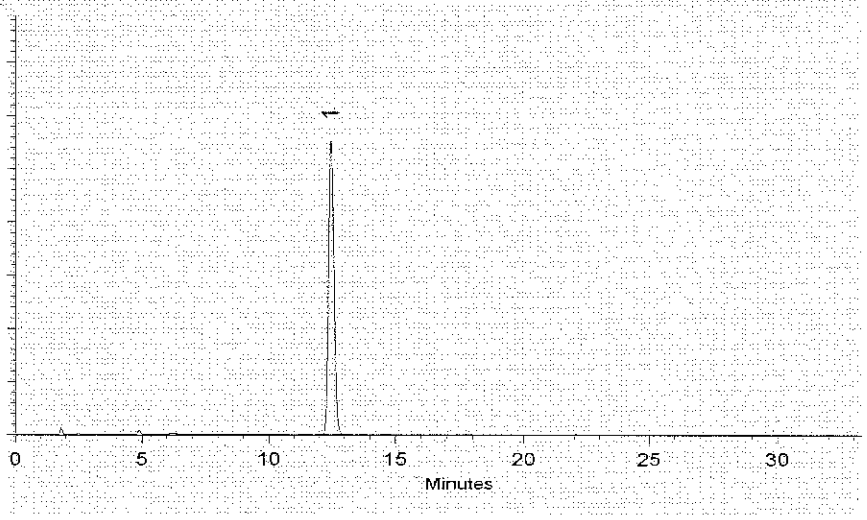
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



HPNGTA-00001

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10

RESTEK

Certificate of Analysis

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. :	31602	**Lot No.:**	A076817
Description :	Nitroguanidine Standard		
Container Size :	2 mL	**Pkg Amt:**	> 1 mL
Expiration Date : [1]	September 2015	**Storage:**	Refrigerate

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. [3] (weight/volume)	% Grav.Uncert. [4] (95% C.L., K=2)
1	Nitroguanidine	556-88-7	99%	1,000.000 ug/ml	+/-0.59 %
Solvent:	Methanol	67-56-1	99%		

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

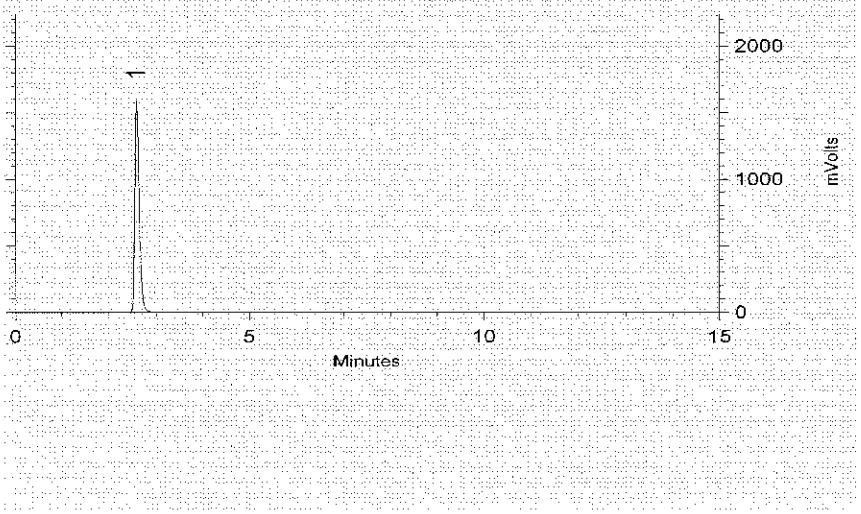
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



Diane Shaffer - QA Analyst

Date Passed: 16-Sep-2010 **Balance:** 1128342313

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

1 Expiration date of the unopened ampule stored at the recommended storage condition.

2A Purity is determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Value is rounded to the nearest whole number. Chemical identity is confirmed using GC/MS. See data pack or contact provider for further details.

2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.

2C The following types of compounds will have a listed purity of less than 99%: Aldehyde/Ketone-DNPH compounds, Bromides, Chlorides, HCL salts, HBR salts, sulfates, hydrates, and other compounds as necessary. The listed purity is a correction factor that is equivalent to the percentage of parent compound in the molecule. This correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution. The concentration listed on the certificate is the concentration of the parent compound in the solution.

2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.

3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.

4 Uncertainties determined using data for balances and glassware from measurement systems analysis methodology, raw material purity, and, when significant, equipment tolerances or calibration results.

125 Market Street
New Haven, CT 06513
USA

AccuStandard® Inc.

Tel (203)786-5290
Fax (203)786-5287
www.AccuStandard.com

CERTIFICATE OF ANALYSIS

Catalog No: M-8330-ADD-6
Description: Nitroguanidine
Lot: 211111014
Solvent: Methanol

Date Certified: Nov 1, 2011
Expiration: Nov 1, 2013
Sample Size: 1 mL
Storage Condition: Freeze (<-10° C)
Hazards: HIGHLY FLAMMABLE

[X] Included on ISO/IEC 17025 Scope of Accreditation
[X] Included on ISO Guide 34 Scope of Accreditation

Component	CAS #	Purity % (HPLC)	Prepared Concentration[1] (µg/mL)	Certified Analyte Concentration[2] (µg/mL)
Nitroguanidine	556-88-7	100	100.5	100.5

Rcvd 5/25/12

AccuStandard follows U.S. conventions in reporting numerical values on both certificates and labels:

A comma (,) is used to separate units of one-thousand or greater.
A period (.) is used as a decimal place marker.

1. All weights are traceable through NIST, Test No.822-275872-11
2. Certified Analyte Concentration = Purity x Prepared Concentration. The Uncertainty associated with the gravimetric values reported on this certificate is ±0.24%. The CRM Uncertainty calculated for this product is ±5%. These values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.
3. A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot# has had its expiration date extended and is identical to the same lot# without the suffix.

For use in routine laboratory analysis.

See reverse side for additional information
Refer to the MSDS for additional safety information

Certified by: R. Cooper
Russ Cooper, QC Manager

Rcvd 3/20/12

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.Restek.com

ACCREDITED
Reference Material Producer
Certificate #3222.01

ilac-MRA

ACCREDITED
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31499 **Lot No.:** A086505

Description : Picric Acid Standard

1000ug/mL, Methanol, 1mL/ampul *PGI BOX REQUIRED* SHIP FED EX GROUND ONLY

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 2017 **Storage:** 10°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Picric Acid	1,000.0 ug/mL	+/- 5.9397	ug/mL	Gravimetric
	CAS # 88-89-1		+/- 32.2037	ug/mL	Unstressed
	Purity 99%		+/- 44.7693	ug/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.53mm x 0.5um
Rtx-5 (cat.# 10240)

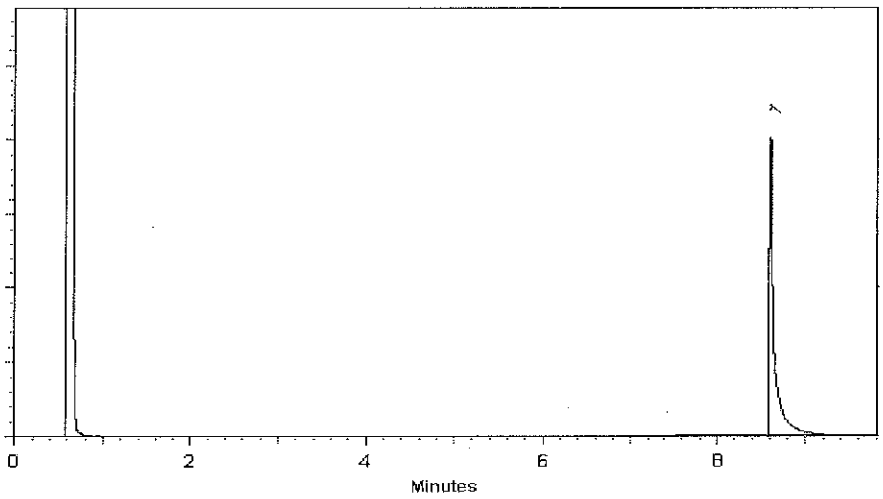
Carrier Gas:
hydrogen-constant flow 11 mL/min

Temp. Program:
70°C (hold 2 min.) to 225°C
@ 20°C/min.

Inj. Temp:
cold on-column

Det. Temp:
335°C

Det. Type:
FID



Valerie N. Walters - QA Analyst

Date Passed: 16-Mar-2012 **Balance:** 1128342313

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

Rec'd 3/16/12

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.Restek.com

Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 31600 **Lot No.:** A085138

Description : PETN Standard

SV Mix, PETN Standard, 1,000µg/ml, Methanol, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] November 2016 **Storage:** 10°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	PETN	78-11-5	99%	1,000.0 ug/mL	+/- 5.8686 ug/mL
Solvent:	Methanol	67-56-1	99%		

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

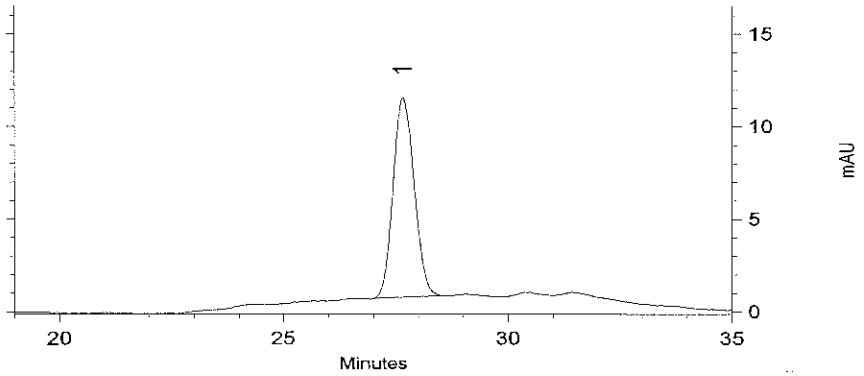
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



Diane Shaffer - QA Analyst

Date Passed: 23-Nov-2011 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

1 Expiration date of the unopened ampule stored at the recommended storage condition is the last day of the month listed.

2A Purity and chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Purity value is rounded to the nearest whole number. See data pack or contact Restek for further details.

2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.

2C The following types of compounds will have a listed purity of less than 99%: Aldehyde/Ketone-DNPH compounds, Bromides, Chlorides, HCL salts, HBR salts, sulfates, hydrates, and other compounds as necessary. The listed purity is a correction factor that is equivalent to the percentage of parent compound in the molecule. This correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution. The concentration listed on the certificate is the concentration of the parent compound in the solution.

2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.

3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.

4 Uncertainties determined using data for balances and glassware from measurement systems analysis methodology, raw material purity, and, when significant, equipment tolerances or calibration results.

5A Containers are overfilled to ensure the packaged amount, as a minimum.

5B Restek supplies deactivated vials along with most standards packed in 2 mL ampules, for the handling and storage of standards. Due to space constraints, Restek does not supply vials for larger volume ampules. Samples should be transferred into deactivated vials for handling and storage. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory, as a custom ordered item. Contact your Restek sales or customer service representative for details.

Rec'd 3/16/12

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.Restek.com

Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 31600 **Lot No.:** A085138

Description : PETN Standard

SV Mix, PETN Standard, 1,000µg/ml, Methanol, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] November 2016 **Storage:** 10°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	PETN	78-11-5	99%	1,000.0 ug/mL	+/- 5.8686 ug/mL
Solvent:	Methanol	67-56-1	99%		

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

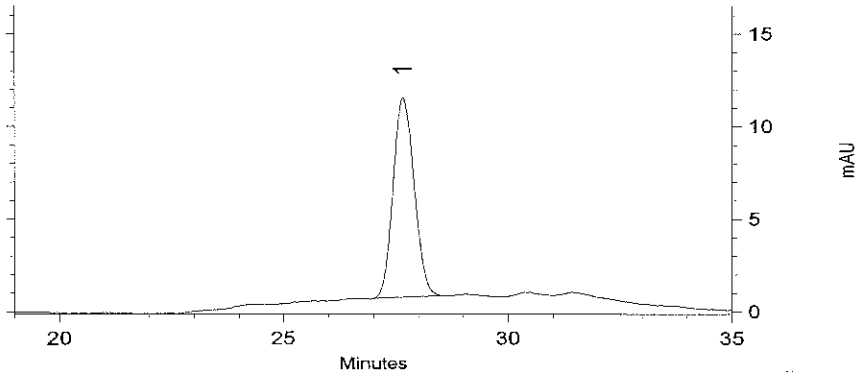
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



Diane Shaffer - QA Analyst

Date Passed: 23-Nov-2011 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

1 Expiration date of the unopened ampule stored at the recommended storage condition is the last day of the month listed.

2A Purity and chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Purity value is rounded to the nearest whole number. See data pack or contact Restek for further details.

2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.

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2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.

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4 Uncertainties determined using data for balances and glassware from measurement systems analysis methodology, raw material purity, and, when significant, equipment tolerances or calibration results.

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Certification Summary

Client: Environmental Chemical Corp.
Project/Site: RVAAP - ECC

TestAmerica Job ID: 240-18735-2

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Canton	California	NELAP	9	01144CA
TestAmerica Canton	Connecticut	State Program	1	PH-0590
TestAmerica Canton	Florida	NELAP	4	E87225
TestAmerica Canton	Georgia	State Program	4	N/A
TestAmerica Canton	Illinois	NELAP	5	200004
TestAmerica Canton	Kansas	NELAP	7	E-10336
TestAmerica Canton	Kentucky	State Program	4	58
TestAmerica Canton	L-A-B	DoD ELAP		L2315
TestAmerica Canton	Minnesota	NELAP	5	039-999-348
TestAmerica Canton	Nevada	State Program	9	OH-000482008A
TestAmerica Canton	New Jersey	NELAP	2	OH001
TestAmerica Canton	New York	NELAP	2	10975
TestAmerica Canton	Ohio VAP	State Program	5	CL0024
TestAmerica Canton	Pennsylvania	NELAP	3	68-00340
TestAmerica Canton	Texas	NELAP	6	
TestAmerica Canton	USDA	Federal		P330-11-00328
TestAmerica Canton	Virginia	NELAP	3	460175
TestAmerica Canton	Washington	State Program	10	C971
TestAmerica Canton	Wisconsin	State Program	5	999518190
TestAmerica Pittsburgh	Arkansas DEQ	State Program	6	88-0690
TestAmerica Pittsburgh	California	NELAP	9	4224CA
TestAmerica Pittsburgh	Connecticut	State Program	1	PH-0688
TestAmerica Pittsburgh	Florida	NELAP	4	E871008
TestAmerica Pittsburgh	Illinois	NELAP	5	002602
TestAmerica Pittsburgh	Kansas	NELAP	7	E-10350
TestAmerica Pittsburgh	L-A-B	DoD ELAP		L2314
TestAmerica Pittsburgh	Louisiana	NELAP	6	04041
TestAmerica Pittsburgh	New Hampshire	NELAP	1	203011
TestAmerica Pittsburgh	New Jersey	NELAP	2	PA005
TestAmerica Pittsburgh	New York	NELAP	2	11182
TestAmerica Pittsburgh	North Carolina DENR	State Program	4	434
TestAmerica Pittsburgh	Pennsylvania	NELAP	3	02-00416
TestAmerica Pittsburgh	South Carolina	State Program	4	89014
TestAmerica Pittsburgh	USDA	Federal		P330-10-00139
TestAmerica Pittsburgh	USDA	Federal		P-Soil-01
TestAmerica Pittsburgh	Utah	NELAP	8	STLP
TestAmerica Pittsburgh	Virginia	NELAP	3	460189
TestAmerica Pittsburgh	West Virginia DEP	State Program	3	142
TestAmerica Pittsburgh	Wisconsin	State Program	5	998027800
TestAmerica Sacramento	A2LA	DoD ELAP		2928-01
TestAmerica Sacramento	Alaska (UST)	State Program	10	UST-055
TestAmerica Sacramento	Arizona	State Program	9	AZ0708
TestAmerica Sacramento	Arkansas DEQ	State Program	6	88-0691
TestAmerica Sacramento	California	NELAP	9	1119CA
TestAmerica Sacramento	Colorado	State Program	8	N/A
TestAmerica Sacramento	Connecticut	State Program	1	PH-0691
TestAmerica Sacramento	Florida	NELAP	4	E87570
TestAmerica Sacramento	Guam	State Program	9	N/A
TestAmerica Sacramento	Hawaii	State Program	9	N/A
TestAmerica Sacramento	Illinois	NELAP	5	200060
TestAmerica Sacramento	Kansas	NELAP	7	E-10375
TestAmerica Sacramento	Louisiana	NELAP	6	30612
TestAmerica Sacramento	Michigan	State Program	5	9947

Certification Summary

Client: Environmental Chemical Corp.
Project/Site: RVAAP - ECC

TestAmerica Job ID: 240-18735-2

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Sacramento	Nevada	State Program	9	CA44
TestAmerica Sacramento	New Jersey	NELAP	2	CA005
TestAmerica Sacramento	New York	NELAP	2	11666
TestAmerica Sacramento	Northern Mariana Islands	State Program	9	MP0007
TestAmerica Sacramento	Oregon	NELAP	10	CA200005
TestAmerica Sacramento	Pennsylvania	NELAP	3	68-01272
TestAmerica Sacramento	South Carolina	State Program	4	87014
TestAmerica Sacramento	Texas	NELAP	6	T104704399-08-TX
TestAmerica Sacramento	US Fish & Wildlife	Federal		LE148388-0
TestAmerica Sacramento	USDA	Federal		P330-11-00436
TestAmerica Sacramento	USEPA UCMR	Federal	1	CA00044
TestAmerica Sacramento	Utah	NELAP	8	QUAN1
TestAmerica Sacramento	Washington	State Program	10	C581
TestAmerica Sacramento	West Virginia	State Program	3	9930C
TestAmerica Sacramento	West Virginia DEP	State Program	3	334
TestAmerica Sacramento	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method 8260B DOD

Volatile Organic Compounds (GC/MS) by Method 8260B/DOD

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Solid (TCLP) Level: Low

GC Column (1): DB-624 ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
	MRL 240-70888/4	103	97	96	91
	MRL 240-70888/10	103	96	101	96

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	50-150
DCA = 1,2-Dichloroethane-d4 (Surr)	50-150
TOL = Toluene-d8 (Surr)	50-150
BFB = 4-Bromofluorobenzene (Surr)	50-150

Column to be used to flag recovery values

FORM II 8260B/DoD

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Solid (TCLP) Level: Low

GC Column (1): DB-624 ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
070-0058-0001-IDW	240-18735-5	106	98	92	85
	LB 240-69292/1-A MB	104	98	90	88
	LCS 240-70888/3	102	99	99	97
070-0058-0001-IDW MS	240-18735-5 MS	103	100	99	103
070-0058-0001-IDW MSD	240-18735-5 MSD	101	94	98	100

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	84-128
DCA = 1,2-Dichloroethane-d4 (Surr)	80-121
TOL = Toluene-d8 (Surr)	90-115
BFB = 4-Bromofluorobenzene (Surr)	70-124

Column to be used to flag recovery values

FORM II 8260B/DoD

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-624 ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
	MRL 240-69591/5	99	88	97	97
	MRL 240-69591/18	98	92	99	101

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	50-150
DCA = 1,2-Dichloroethane-d4 (Surr)	50-150
TOL = Toluene-d8 (Surr)	50-150
BFB = 4-Bromofluorobenzene (Surr)	50-150

Column to be used to flag recovery values

FORM II 8260B/DoD

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-624 ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
070-0056-0001-SOURCE WATER	240-18735-3	101	91	95	88
070-0057-0001-SOURCE WATER	240-18735-4	101	92	94	89
	MB 240-69591/6	99	91	95	91
	LCS 240-69591/4	98	90	98	107

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	85-115
DCA = 1,2-Dichloroethane-d4 (Surr)	70-120
TOL = Toluene-d8 (Surr)	85-120
BFB = 4-Bromofluorobenzene (Surr)	75-120

Column to be used to flag recovery values

FORM II 8260B/DoD

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water (TCLP) Level: Low

GC Column (1): DB-624 ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
070-0059-0001-IDW	240-18735-6	107	96	93	84

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	84-128
DCA = 1,2-Dichloroethane-d4 (Surr)	80-121
TOL = Toluene-d8 (Surr)	90-115
BFB = 4-Bromofluorobenzene (Surr)	70-124

Column to be used to flag recovery values

FORM II 8260B/DoD

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low Lab File ID: UXX1588.D

Lab ID: LCS 240-69591/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	10.0	9.73	97	65-130	
1,1,2,2-Tetrachloroethane	10.0	8.20	82	65-130	
1,1,2-Trichloroethane	10.0	9.41	94	75-125	
1,1-Dichloroethane	10.0	9.80	98	70-135	
1,1-Dichloroethene	10.0	9.70	97	70-130	
1,2-Dichloroethane	10.0	9.38	94	70-130	
1,2-Dichloropropane	10.0	9.91	99	75-125	
2-Butanone (MEK)	20.0	18.0	90	30-150	
2-Hexanone	20.0	17.6	88	55-130	
4-Methyl-2-pentanone (MIBK)	20.0	19.8	99	60-135	
Acetone	20.0	20.6	103	40-140	
Benzene	10.0	9.74	97	80-120	
Bromoform	10.0	8.65	86	70-130	
Bromomethane	10.0	8.59	86	30-145	
Carbon disulfide	10.0	10.2	102	35-160	
Carbon tetrachloride	10.0	9.96	100	65-140	
Chlorobenzene	10.0	9.56	96	80-120	
Chloromethane	10.0	8.62	86	40-125	
cis-1,3-Dichloropropene	10.0	9.52	95	70-130	
Dibromochloromethane	10.0	9.25	92	60-135	
Bromodichloromethane	10.0	9.81	98	75-120	
Ethylbenzene	10.0	9.95	100	75-125	
Methyl tert-butyl ether	10.0	9.55	96	65-125	
Methylene Chloride	10.0	9.92	99	55-140	
Styrene	10.0	10.1	101	65-135	
Tetrachloroethene	10.0	9.89	99	45-150	
Toluene	10.0	9.48	95	75-120	
trans-1,3-Dichloropropene	10.0	8.78	88	55-140	
Trichloroethene	10.0	10.2	102	70-125	
Vinyl chloride	10.0	8.84	88	50-145	
Xylenes, Total	30.0	30.2	101	75-130	
Chloroform	10.0	9.19	92	65-135	
Bromochloromethane	10.0	9.74	97	65-130	
Chloroethane	10.0	9.33	93	60-135	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low Lab File ID: UXX1985.D

Lab ID: LCS 240-70888/3 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethene	0.250	0.257	103	71-133	
1,2-Dichloroethane	0.250	0.265	106	81-114	
2-Butanone (MEK)	0.500	0.487	97	49-120	
Benzene	0.250	0.262	105	84-120	
Carbon tetrachloride	0.250	0.268	107	54-122	
Chlorobenzene	0.250	0.250	100	86-111	
Tetrachloroethene	0.250	0.251	100	79-134	
Trichloroethene	0.250	0.270	108	78-130	
Vinyl chloride	0.250	0.240	96	56-111	
Chloroform	0.250	0.252	101	87-123	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low Lab File ID: UXX1589.D

Lab ID: MRL 240-69591/5 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	0.00100	0.000965 J	97	70-130	
1,1,2,2-Tetrachloroethane	0.00100	0.000928 J	93	70-130	
1,1,2-Trichloroethane	0.00100	0.000894 J	89	70-130	
1,1-Dichloroethane	0.00100	0.000865 J	86	70-130	
1,1-Dichloroethene	0.00100	0.000938 J	94	70-130	
1,2-Dichloroethane	0.00100	0.000901 J	90	70-130	
1,2-Dichloropropane	0.00100	0.000908 J	91	70-130	
2-Butanone (MEK)	0.0100	0.00922 J	92	70-130	
2-Hexanone	0.0100	0.00828 J	83	70-130	
4-Methyl-2-pentanone (MIBK)	0.0100	0.00899 J	90	70-130	
Acetone	0.0100	0.00910 J	91	70-130	
Benzene	0.00100	0.000979 J	98	70-130	
Bromoform	0.00100	0.000679 J	68	70-130	^
Bromomethane	0.00100	0.00103	103	70-130	
Carbon disulfide	0.00100	0.00102	102	70-130	
Carbon tetrachloride	0.00100	0.000896 J	90	70-130	
Chlorobenzene	0.00100	0.000910 J	91	70-130	
Chloromethane	0.00100	0.000961 J	96	70-130	
cis-1,3-Dichloropropene	0.00100	0.000779 J	78	70-130	
Dibromochloromethane	0.00100	0.000754 J	75	70-130	
Bromodichloromethane	0.00100	0.000865 J	86	70-130	
Ethylbenzene	0.00100	0.000799 J	80	70-130	
Methyl tert-butyl ether	0.00100	0.000889 J	89	70-130	
Methylene Chloride	0.00100	0.00105	105	70-130	
Styrene	0.00100	0.000737 J	74	70-130	
Tetrachloroethene	0.00100	0.000980 J	98	70-130	
Toluene	0.00100	0.000959 J	96	70-130	
trans-1,3-Dichloropropene	0.00100	0.000696 J	70	70-130	
Trichloroethene	0.00100	0.000960 J	96	70-130	
Vinyl chloride	0.00100	0.000959 J	96	70-130	
Xylenes, Total	0.00300	0.00253	84	70-130	
Chloroform	0.00100	0.000918 J	92	70-130	
Bromochloromethane	0.00100	0.000922 J	92	70-130	
Chloroethane	0.00100	0.000981 J	98	70-130	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low Lab File ID: UXX1602.D

Lab ID: MRL 240-69591/18 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	0.00100	0.000975 J	98	70-130	
1,1,2,2-Tetrachloroethane	0.00100	0.000914 J	91	70-130	
1,1,2-Trichloroethane	0.00100	0.000955 J	96	70-130	
1,1-Dichloroethane	0.00100	0.000967 J	97	70-130	
1,1-Dichloroethene	0.00100	0.000977 J	98	70-130	
1,2-Dichloroethane	0.00100	0.00101	101	70-130	
1,2-Dichloropropane	0.00100	0.000992 J	99	70-130	
2-Butanone (MEK)	0.0100	0.00903 J	90	70-130	
2-Hexanone	0.0100	0.00856 J	86	70-130	
4-Methyl-2-pentanone (MIBK)	0.0100	0.00853 J	85	70-130	
Acetone	0.0100	0.00944 J	94	70-130	
Benzene	0.00100	0.00101	101	70-130	
Bromoform	0.00100	0.000816 J	82	70-130	
Bromomethane	0.00100	0.00119	119	70-130	
Carbon disulfide	0.00100	0.00103	103	70-130	
Carbon tetrachloride	0.00100	0.000881 J	88	70-130	
Chlorobenzene	0.00100	0.000975 J	98	70-130	
Chloromethane	0.00100	0.00109	109	70-130	
cis-1,3-Dichloropropene	0.00100	0.000806 J	81	70-130	
Dibromochloromethane	0.00100	0.000871 J	87	70-130	
Bromodichloromethane	0.00100	0.000940 J	94	70-130	
Ethylbenzene	0.00100	0.000912 J	91	70-130	
Methyl tert-butyl ether	0.00100	0.000923 J	92	70-130	
Methylene Chloride	0.00100	0.000617 J	62	70-130	^
Styrene	0.00100	0.000787 J	79	70-130	
Tetrachloroethene	0.00100	0.000921 J	92	70-130	
Toluene	0.00100	0.00100	100	70-130	
trans-1,3-Dichloropropene	0.00100	0.000735 J	74	70-130	
Trichloroethene	0.00100	0.00104	104	70-130	
Vinyl chloride	0.00100	0.00107	107	70-130	
Xylenes, Total	0.00300	0.00250	83	70-130	
Chloroform	0.00100	0.000952 J	95	70-130	
Bromochloromethane	0.00100	0.00106	106	70-130	
Chloroethane	0.00100	0.00118	118	70-130	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low Lab File ID: UXX1986.D

Lab ID: MRL 240-70888/4 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
1,1-Dichloroethene	0.0250	0.0254	102	70-130	
1,2-Dichloroethane	0.0250	0.0250	100	70-130	
2-Butanone (MEK)	0.250	0.239 J	96	70-130	
Benzene	0.0250	0.0253	101	70-130	
Carbon tetrachloride	0.0250	0.0243 J	97	70-130	
Chlorobenzene	0.0250	0.0239 J	96	70-130	
Tetrachloroethene	0.0250	0.0257	103	70-130	
Trichloroethene	0.0250	0.0257	103	70-130	
Vinyl chloride	0.0250	0.0372	149	70-130	^
Chloroform	0.0250	0.0262	105	70-130	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low Lab File ID: UXX1992.D

Lab ID: MRL 240-70888/10 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
1,1-Dichloroethene	0.0250	0.0265	106	70-130	
1,2-Dichloroethane	0.0250	0.0279	111	70-130	
2-Butanone (MEK)	0.250	0.226 J	90	70-130	
Benzene	0.0250	0.0276	110	70-130	
Carbon tetrachloride	0.0250	0.0285	114	70-130	
Chlorobenzene	0.0250	0.0278	111	70-130	
Tetrachloroethene	0.0250	0.0281	112	70-130	
Trichloroethene	0.0250	0.0281	112	70-130	
Vinyl chloride	0.0250	0.0293	117	70-130	
Chloroform	0.0250	0.0282	113	70-130	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Solid (TCLP) Level: Low Lab File ID: UXX1990.D

Lab ID: 240-18735-5 MS Client ID: 070-0058-0001-IDW MS

COMPOUND	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC	QC LIMITS REC	#
1,1-Dichloroethene	0.250	0.013 U	0.259	103	67-139	
1,2-Dichloroethane	0.250	0.013 U	0.255	102	80-115	
2-Butanone (MEK)	0.500	0.025 U	0.496	99	49-117	
Benzene	0.250	0.013 U	0.257	103	85-119	
Carbon tetrachloride	0.250	0.013 U	0.265	106	60-110	
Chlorobenzene	0.250	0.013 U	0.247	99	85-113	
Tetrachloroethene	0.250	0.025 U	0.248	99	74-138	
Trichloroethene	0.250	0.013 U	0.271	109	75-134	
Vinyl chloride	0.250	0.013 U	0.238	95	51-118	
Chloroform	0.250	0.013 U	0.256	102	86-124	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Solid (TCLP) Level: Low Lab File ID: UXX1991.D

Lab ID: 240-18735-5 MSD Client ID: 070-0058-0001-IDW MSD

COMPOUND	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1-Dichloroethene	0.250	0.263	105	2	30	67-139	
1,2-Dichloroethane	0.250	0.257	103	1	30	80-115	
2-Butanone (MEK)	0.500	0.486	97	2	30	49-117	
Benzene	0.250	0.256	102	0	30	85-119	
Carbon tetrachloride	0.250	0.274	110	3	30	60-110	
Chlorobenzene	0.250	0.248	99	0	30	85-113	
Tetrachloroethene	0.250	0.255	102	3	30	74-138	
Trichloroethene	0.250	0.270	108	0	30	75-134	
Vinyl chloride	0.250	0.233	93	2	30	51-118	
Chloroform	0.250	0.250	100	2	30	86-124	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab File ID: UXX1590.D Lab Sample ID: MB 240-69591/6

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: A3UX10 Date Analyzed: 12/20/2012 13:05

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-69591/4	UXX1588.D	12/20/2012 12:21
070-0056-0001-SOURCE WATER	240-18735-3	UXX1592.D	12/20/2012 14:04
070-0057-0001-SOURCE WATER	240-18735-4	UXX1593.D	12/20/2012 14:26

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab File ID: UXX1987.D Lab Sample ID: LB 240-69292/1-A

Matrix: Solid (TCLP) Heated Purge:(Y/N) N

Instrument ID: A3UX10 Date Analyzed: 01/02/2013 15:20

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-70888/3	UXX1985.D	01/02/2013 14:36
070-0058-0001-IDW	240-18735-5	UXX1988.D	01/02/2013 15:41
070-0059-0001-IDW	240-18735-6	UXX1989.D	01/02/2013 16:03
070-0058-0001-IDW MS	240-18735-5 MS	UXX1990.D	01/02/2013 16:24
070-0058-0001-IDW MSD	240-18735-5 MSD	UXX1991.D	01/02/2013 16:46

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab File ID: BFB5078.D BFB Injection Date: 12/14/2012

Instrument ID: A3UX10 BFB Injection Time: 15:04

Analysis Batch No.: 68811

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.0	
75	30.0 - 60.0 % of mass 95	46.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	0.3	(0.3)1
174	50.0 - 120.00 % of mass 95	90.7	
175	5.0 - 9.0 % of mass 174	6.4	(7.1)1
176	95.0 - 101.0 % of mass 174	86.4	(95.2)1
177	5.0 - 9.0 % of mass 176	6.1	(7.0)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD8260 240-68811/2	UXX1400.D	12/14/2012	15:32
	STD8260 240-68811/3	UXX1401.D	12/14/2012	15:53
	STD8260 240-68811/4	UXX1402.D	12/14/2012	16:15
	STD8260 240-68811/5	UXX1403.D	12/14/2012	16:36
	STD8260 240-68811/6	UXX1404.D	12/14/2012	16:57
	STD8260 240-68811/7	UXX1405.D	12/14/2012	17:19
	ICV 240-68811/14	UXX1412.D	12/14/2012	19:48

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab File ID: BFB5089.D BFB Injection Date: 12/20/2012

Instrument ID: A3UX10 BFB Injection Time: 10:51

Analysis Batch No.: 69591

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.7	
75	30.0 - 60.0 % of mass 95	46.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	0.5	(0.6)1
174	50.0 - 120.00 % of mass 95	88.8	
175	5.0 - 9.0 % of mass 174	6.3	(7.1)1
176	95.0 - 101.0 % of mass 174	87.3	(98.3)1
177	5.0 - 9.0 % of mass 176	6.2	(7.1)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 240-69591/2	UXX1587.D	12/20/2012	11:59
	LCS 240-69591/4	UXX1588.D	12/20/2012	12:21
	MRL 240-69591/5	UXX1589.D	12/20/2012	12:43
	MB 240-69591/6	UXX1590.D	12/20/2012	13:05
070-0056-0001-SOURCE WATER	240-18735-3	UXX1592.D	12/20/2012	14:04
070-0057-0001-SOURCE WATER	240-18735-4	UXX1593.D	12/20/2012	14:26
	MRL 240-69591/18	UXX1602.D	12/20/2012	17:42
	LODV 240-69591/19	UXX1603.D	12/20/2012	18:04

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab File ID: BFB5112.D BFB Injection Date: 01/02/2013

Instrument ID: A3UX10 BFB Injection Time: 13:46

Analysis Batch No.: 70888

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.0	
75	30.0 - 60.0 % of mass 95	47.8	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.4	(0.5)1
174	50.0 - 120.00 % of mass 95	89.3	
175	5.0 - 9.0 % of mass 174	6.1	(6.8)1
176	95.0 - 101.0 % of mass 174	86.7	(97.1)1
177	5.0 - 9.0 % of mass 176	5.9	(6.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 240-70888/2	UXX1984.D	01/02/2013	14:14
	LCS 240-70888/3	UXX1985.D	01/02/2013	14:36
	MRL 240-70888/4	UXX1986.D	01/02/2013	14:58
	LB 240-69292/1-A	UXX1987.D	01/02/2013	15:20
070-0058-0001-IDW	240-18735-5	UXX1988.D	01/02/2013	15:41
070-0059-0001-IDW	240-18735-6	UXX1989.D	01/02/2013	16:03
070-0058-0001-IDW MS	240-18735-5 MS	UXX1990.D	01/02/2013	16:24
070-0058-0001-IDW MSD	240-18735-5 MSD	UXX1991.D	01/02/2013	16:46
	MRL 240-70888/10	UXX1992.D	01/02/2013	17:07

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Sample No.: STD8260 240-68811/4 Date Analyzed: 12/14/2012 16:15

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UXX1402.D Heated Purge: (Y/N) N

Calibration ID: 12853

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1972714	5.20	1372066	7.88	826025	10.13
UPPER LIMIT		3945428	5.70	2744132	8.38	1652050	10.63
LOWER LIMIT		986357	4.70	686033	7.38	413013	9.63
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-68811/14		1915294	5.20	1350521	7.88	869619	10.13
CCV 240-69591/2		2109455	5.21	1518089	7.88	980489	10.13
LCS 240-69591/4		2174437	5.21	1587263	7.88	1025898	10.13
MRL 240-69591/5		2138012	5.22	1551915	7.88	954861	10.13
MB 240-69591/6		2063755	5.22	1478307	7.89	841736	10.13
240-18735-3	070-0056-0001-SOURCE WATER	2068828	5.22	1468120	7.89	813833	10.13
240-18735-4	070-0057-0001-SOURCE WATER	2033931	5.22	1458708	7.88	830201	10.13
MRL 240-69591/18		2120462	5.22	1482662	7.89	945938	10.13
LODV 240-69591/19		2011895	5.22	1436313	7.88	896548	10.13
LCS 240-70888/3		2132523	5.20	1566709	7.88	833995	10.13
MRL 240-70888/4		2059387	5.21	1537521	7.88	788695	10.13
LB 240-69292/1-A MB		1959125	5.21	1491932	7.88	777868	10.13
240-18735-5	070-0058-0001-IDW	1928426	5.21	1466969	7.88	681226	10.13
240-18735-6	070-0059-0001-IDW	1988841	5.20	1448909	7.88	691581	10.13
240-18735-5 MS	070-0058-0001-IDW MS	2031037	5.21	1506111	7.88	898671	10.13
240-18735-5 MSD	070-0058-0001-IDW MSD	2079591	5.21	1540302	7.88	883234	10.13
MRL 240-70888/10		2111448	5.20	1493200	7.88	864455	10.13

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B/DOD

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: 070-0056-0001-SOURCE | Lab Sample ID: 240-18735-3

Matrix: Water | Lab File ID: UXX1592.D

Analysis Method: 8260B/DoD | Date Collected: 12/12/2012 13:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/20/2012 14:04

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 69591 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	0.25	U	1.0	0.25	0.22
79-34-5	1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	0.18
79-00-5	1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.27
75-34-3	1,1-Dichloroethane	0.25	U	1.0	0.25	0.15
75-35-4	1,1-Dichloroethene	0.25	U	1.0	0.25	0.19
107-06-2	1,2-Dichloroethane	0.25	U	1.0	0.25	0.22
540-59-0	1,2-Dichloroethene, Total	0.50	U	2.0	0.50	0.34
78-87-5	1,2-Dichloropropane	0.25	U	1.0	0.25	0.18
78-93-3	2-Butanone (MEK)	0.57	U	10	0.57	0.57
591-78-6	2-Hexanone	0.50	U	10	0.50	0.41
108-10-1	4-Methyl-2-pentanone (MIBK)	0.50	U	10	0.50	0.32
67-64-1	Acetone	1.1	U	10	1.1	1.1
71-43-2	Benzene	0.25	U	1.0	0.25	0.13
75-25-2	Bromoform	0.64	U	1.0	0.64	0.64
74-83-9	Bromomethane	0.50	U	1.0	0.50	0.41
75-15-0	Carbon disulfide	0.25	U	1.0	0.25	0.13
56-23-5	Carbon tetrachloride	0.25	U	1.0	0.25	0.13
108-90-7	Chlorobenzene	0.25	U	1.0	0.25	0.15
74-87-3	Chloromethane	0.50	U	1.0	0.50	0.30
10061-01-5	cis-1,3-Dichloropropene	0.25	U	1.0	0.25	0.14
124-48-1	Dibromochloromethane	0.25	U	1.0	0.25	0.18
75-27-4	Bromodichloromethane	0.25	U	1.0	0.25	0.15
100-41-4	Ethylbenzene	0.25	U	1.0	0.25	0.17
1634-04-4	Methyl tert-butyl ether	0.25	U	1.0	0.25	0.17
75-09-2	Methylene Chloride	0.50	U	1.0	0.50	0.33
100-42-5	Styrene	0.25	U	1.0	0.25	0.11
127-18-4	Tetrachloroethene	0.50	U	1.0	0.50	0.29
108-88-3	Toluene	0.25	U	1.0	0.25	0.13
10061-02-6	trans-1,3-Dichloropropene	0.25	U	1.0	0.25	0.19
79-01-6	Trichloroethene	0.25	U	1.0	0.25	0.17
75-01-4	Vinyl chloride	0.25	U	1.0	0.25	0.22
1330-20-7	Xylenes, Total	0.75	U	2.0	0.75	0.28
67-66-3	Chloroform	0.25	U	1.0	0.25	0.16
74-97-5	Bromochloromethane	0.50	U	1.0	0.50	0.29
106-93-4	1,2-Dibromoethane	0.25	U	1.0	0.25	0.24
75-00-3	Chloroethane	0.50	U	1.0	0.50	0.29

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Client Sample ID: 070-0056-0001-SOURCE Lab Sample ID: 240-18735-3

Matrix: Water Lab File ID: UXX1592.D

Analysis Method: 8260B/DoD Date Collected: 12/12/2012 13:00

Sample wt/vol: 5(mL) Date Analyzed: 12/20/2012 14:04

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69591 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	95		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		70-120
460-00-4	4-Bromofluorobenzene (Surr)	88		75-120
1868-53-7	Dibromofluoromethane (Surr)	101		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121220-16059.b\UXX1592.D
Lims ID: 240-18735-B-3 Client ID: 070-0056-0001-SOURCE WATER
Inject. Date: 20-Dec-2012 14:04:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0016059-008
Misc. Info.: P21220A,8260LLUX10,,1904 =P21220A,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 8
Lims Batch ID: 69591 Lims Sample ID: 8
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121220-16059.b\8260_10.m
Last Update: 21-Dec-2012 08:34:47 Calib Date: 14-Dec-2012 19:27:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK018

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.216	5.204	0.012	100	2068828	10.0	
* 2 Chlorobenzene-d5	117	7.890	7.879	0.011	81	1468120	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.127	10.127	0.0	93	813833	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.636	4.639	-0.003	60	490568	10.1	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.920	4.923	-0.003	0	516095	9.13	
$ 7 Toluene-d8 (Surr)	98	6.577	6.568	0.009	92	1813667	9.54	
$ 8 4-Bromofluorobenzene (Surr)	95	8.991	8.993	-0.002	97	586213	8.77	
13 Chloromethane	50		1.693					9
14 Vinyl chloride	62		1.799					
16 Bromomethane	94		2.095					9
17 Chloroethane	64		2.178					
23 1,1-Dichloroethene	96		2.817					
24 Acetone	43		2.829					
27 Carbon disulfide	76		3.006					
31 Methylene Chloride	84		3.195					9
34 trans-1,2-Dichloroethene	96		3.432					
35 Methyl tert-butyl ether	73		3.432					
37 1,1-Dichloroethane	63		3.775					
43 cis-1,2-Dichloroethene	96		4.248					
42 2-Butanone (MEK)	43		4.248					
48 Chlorobromomethane	128		4.450					
50 Chloroform	83		4.497					9
51 1,1,1-Trichloroethane	97		4.686					
54 Carbon tetrachloride	117		4.828					
57 Benzene	78		4.982					
56 1,2-Dichloroethane	62		4.982					
61 Trichloroethene	130		5.526					
64 1,2-Dichloropropane	63		5.704					
68 Dichlorobromomethane	83		5.929					9
71 cis-1,3-Dichloropropene	75		6.319					
72 4-Methyl-2-pentanone (MIBK)	43		6.449					
73 Toluene	91		6.627					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
74 trans-1,3-Dichloropropene	75		6.804					
76 1,1,2-Trichloroethane	97		6.970					
78 Tetrachloroethene	164		7.136					9
79 2-Hexanone	43		7.183					
81 Chlorodibromomethane	129		7.337					
83 Ethylene Dibromide	107		7.455					
85 Chlorobenzene	112		7.905					
87 Ethylbenzene	106		8.011					9
88 m-Xylene & p-Xylene	106		8.118					9
89 o-Xylene	106		8.496					
90 Styrene	104		8.508					
91 Bromoform	173		8.686					
95 1,1,2,2-Tetrachloroethane	83		9.112					
S 120 1,2-Dichloroethene, Total	96		1.140					7
S 122 Xylenes, Total	106		16.530					7

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

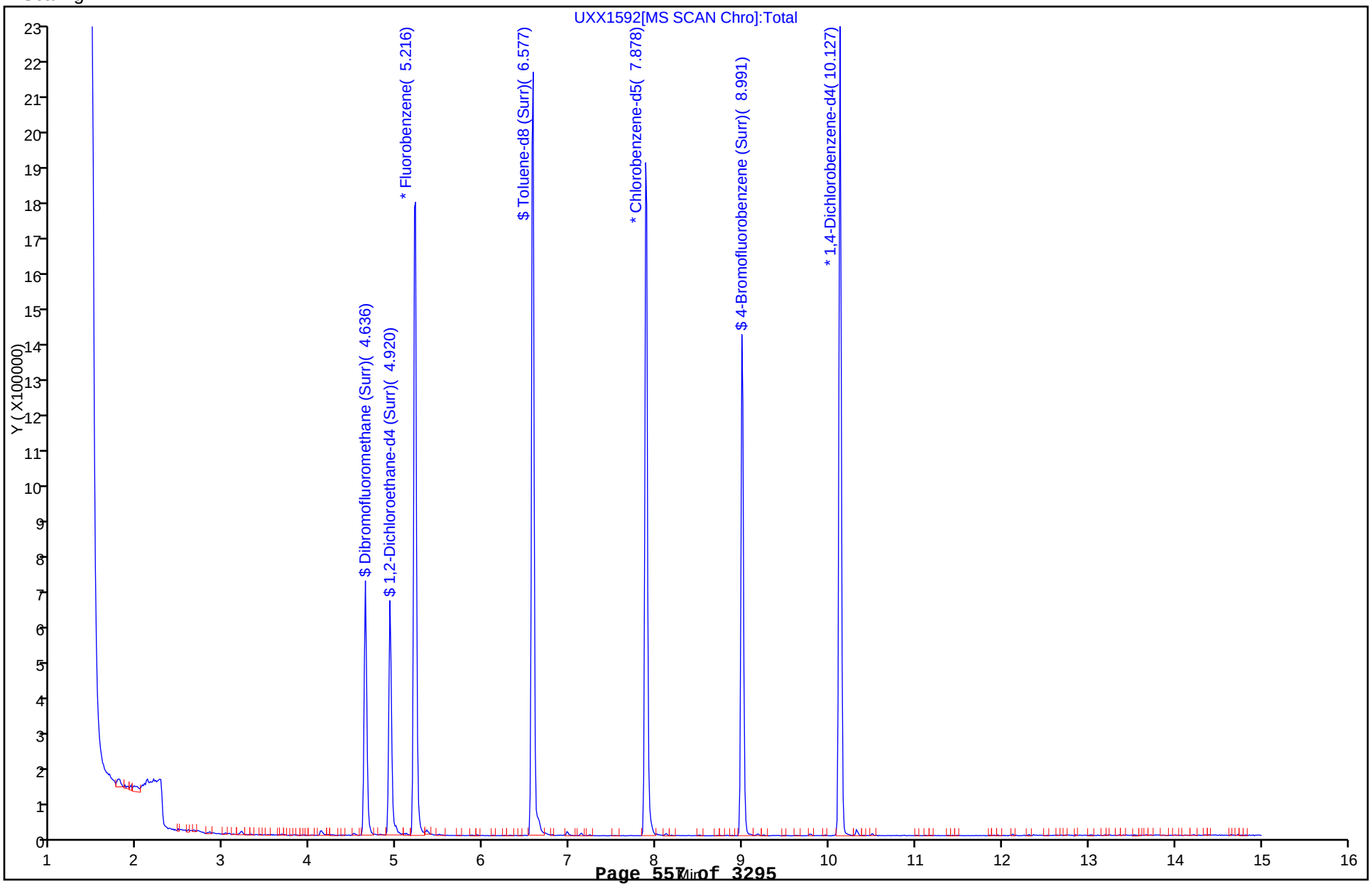
Report Date: 21-Dec-2012 08:34:53 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121220-16059.b\UXX1592.D

Injection Date:	20-Dec-2012 14:04:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	070-0056-0001-SOURCE WATER	Instrument ID:	A3UX10
Lims Batch ID:	69591	Lims Sample ID:	8
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: 070-0057-0001-SOURCE | Lab Sample ID: 240-18735-4

Matrix: Water | Lab File ID: UXX1593.D

Analysis Method: 8260B/DoD | Date Collected: 12/12/2012 13:15

Sample wt/vol: 5(mL) | Date Analyzed: 12/20/2012 14:26

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 69591 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	0.25	U	1.0	0.25	0.22
79-34-5	1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	0.18
79-00-5	1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.27
75-34-3	1,1-Dichloroethane	0.25	U	1.0	0.25	0.15
75-35-4	1,1-Dichloroethene	0.25	U	1.0	0.25	0.19
107-06-2	1,2-Dichloroethane	0.25	U	1.0	0.25	0.22
540-59-0	1,2-Dichloroethene, Total	0.50	U	2.0	0.50	0.34
78-87-5	1,2-Dichloropropane	0.25	U	1.0	0.25	0.18
78-93-3	2-Butanone (MEK)	1.2	J	10	0.57	0.57
591-78-6	2-Hexanone	0.50	U	10	0.50	0.41
108-10-1	4-Methyl-2-pentanone (MIBK)	0.50	U	10	0.50	0.32
67-64-1	Acetone	2.1	J	10	1.1	1.1
71-43-2	Benzene	0.25	U	1.0	0.25	0.13
75-25-2	Bromoform	0.64	U	1.0	0.64	0.64
74-83-9	Bromomethane	0.50	U	1.0	0.50	0.41
75-15-0	Carbon disulfide	0.25	U	1.0	0.25	0.13
56-23-5	Carbon tetrachloride	0.25	U	1.0	0.25	0.13
108-90-7	Chlorobenzene	0.25	U	1.0	0.25	0.15
74-87-3	Chloromethane	0.50	U	1.0	0.50	0.30
10061-01-5	cis-1,3-Dichloropropene	0.25	U	1.0	0.25	0.14
124-48-1	Dibromochloromethane	1.3		1.0	0.25	0.18
75-27-4	Bromodichloromethane	3.6		1.0	0.25	0.15
100-41-4	Ethylbenzene	0.25	U	1.0	0.25	0.17
1634-04-4	Methyl tert-butyl ether	0.25	U	1.0	0.25	0.17
75-09-2	Methylene Chloride	0.50	U	1.0	0.50	0.33
100-42-5	Styrene	0.25	U	1.0	0.25	0.11
127-18-4	Tetrachloroethene	0.50	U	1.0	0.50	0.29
108-88-3	Toluene	0.15	J	1.0	0.25	0.13
10061-02-6	trans-1,3-Dichloropropene	0.25	U	1.0	0.25	0.19
79-01-6	Trichloroethene	0.25	U	1.0	0.25	0.17
75-01-4	Vinyl chloride	0.25	U	1.0	0.25	0.22
1330-20-7	Xylenes, Total	0.75	U	2.0	0.75	0.28
67-66-3	Chloroform	5.3		1.0	0.25	0.16
74-97-5	Bromochloromethane	0.50	U	1.0	0.50	0.29
106-93-4	1,2-Dibromoethane	0.25	U	1.0	0.25	0.24
75-00-3	Chloroethane	0.50	U	1.0	0.50	0.29

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Client Sample ID: 070-0057-0001-SOURCE Lab Sample ID: 240-18735-4

Matrix: Water Lab File ID: UXX1593.D

Analysis Method: 8260B/DoD Date Collected: 12/12/2012 13:15

Sample wt/vol: 5(mL) Date Analyzed: 12/20/2012 14:26

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69591 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	94		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		70-120
460-00-4	4-Bromofluorobenzene (Surr)	89		75-120
1868-53-7	Dibromofluoromethane (Surr)	101		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121220-16059.b\UXX1593.D
Lims ID: 240-18735-B-4 Client ID: 070-0057-0001-SOURCE WATER
Inject. Date: 20-Dec-2012 14:26:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0016059-009
Misc. Info.: P21220A,8260LLUX10,,1904 =P21220A,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 9
Lims Batch ID: 69591 Lims Sample ID: 9
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121220-16059.b\8260_10.m
Last Update: 21-Dec-2012 08:34:47 Calib Date: 14-Dec-2012 19:27:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK018

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.217	5.204	0.013	99	2033931	10.0	
* 2 Chlorobenzene-d5	117	7.879	7.879	0.0	84	1458708	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.127	10.127	0.0	94	830201	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.637	4.639	-0.002	60	479288	10.1	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.921	4.923	-0.002	0	510505	9.19	
$ 7 Toluene-d8 (Surr)	98	6.577	6.568	0.009	92	1767462	9.36	
$ 8 4-Bromofluorobenzene (Surr)	95	8.991	8.993	-0.002	97	591925	8.91	
13 Chloromethane	50		1.693					9
14 Vinyl chloride	62		1.799					
16 Bromomethane	94		2.095					
17 Chloroethane	64		2.178					
23 1,1-Dichloroethene	96		2.817					
24 Acetone	43	2.838	2.829	0.009	93	35140	2.07	
27 Carbon disulfide	76		3.006					9
31 Methylene Chloride	84		3.195					
34 trans-1,2-Dichloroethene	96		3.432					
35 Methyl tert-butyl ether	73		3.432					
37 1,1-Dichloroethane	63		3.775					
43 cis-1,2-Dichloroethene	96		4.248					
42 2-Butanone (MEK)	43	4.246	4.248	-0.002	90	21964	1.18	
48 Chlorobromomethane	128		4.450					
50 Chloroform	83	4.507	4.497	0.010	81	493755	5.29	
51 1,1,1-Trichloroethane	97		4.686					
54 Carbon tetrachloride	117		4.828					
57 Benzene	78		4.982					
56 1,2-Dichloroethane	62		4.982					
61 Trichloroethene	130		5.526					
64 1,2-Dichloropropane	63		5.704					
68 Dichlorobromomethane	83	5.927	5.929	-0.003	99	218435	3.61	
71 cis-1,3-Dichloropropene	75		6.319					
72 4-Methyl-2-pentanone (MIBK)	43		6.449					
73 Toluene	91	6.636	6.627	0.009	68	34189	0.1466	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
74 trans-1,3-Dichloropropene	75		6.804					
76 1,1,2-Trichloroethane	97		6.970					
78 Tetrachloroethene	164		7.136					
79 2-Hexanone	43		7.183					9
81 Chlorodibromomethane	129	7.335	7.337	-0.002	84	59582	1.29	
83 Ethylene Dibromide	107		7.455					
85 Chlorobenzene	112		7.905					
87 Ethylbenzene	106		8.011					9
88 m-Xylene & p-Xylene	106		8.118					9
89 o-Xylene	106		8.496					
90 Styrene	104		8.508					9
91 Bromoform	173		8.686					9
95 1,1,2,2-Tetrachloroethane	83		9.112					
S 120 1,2-Dichloroethene, Total	96		1.140					7
S 122 Xylenes, Total	106		16.530					7

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

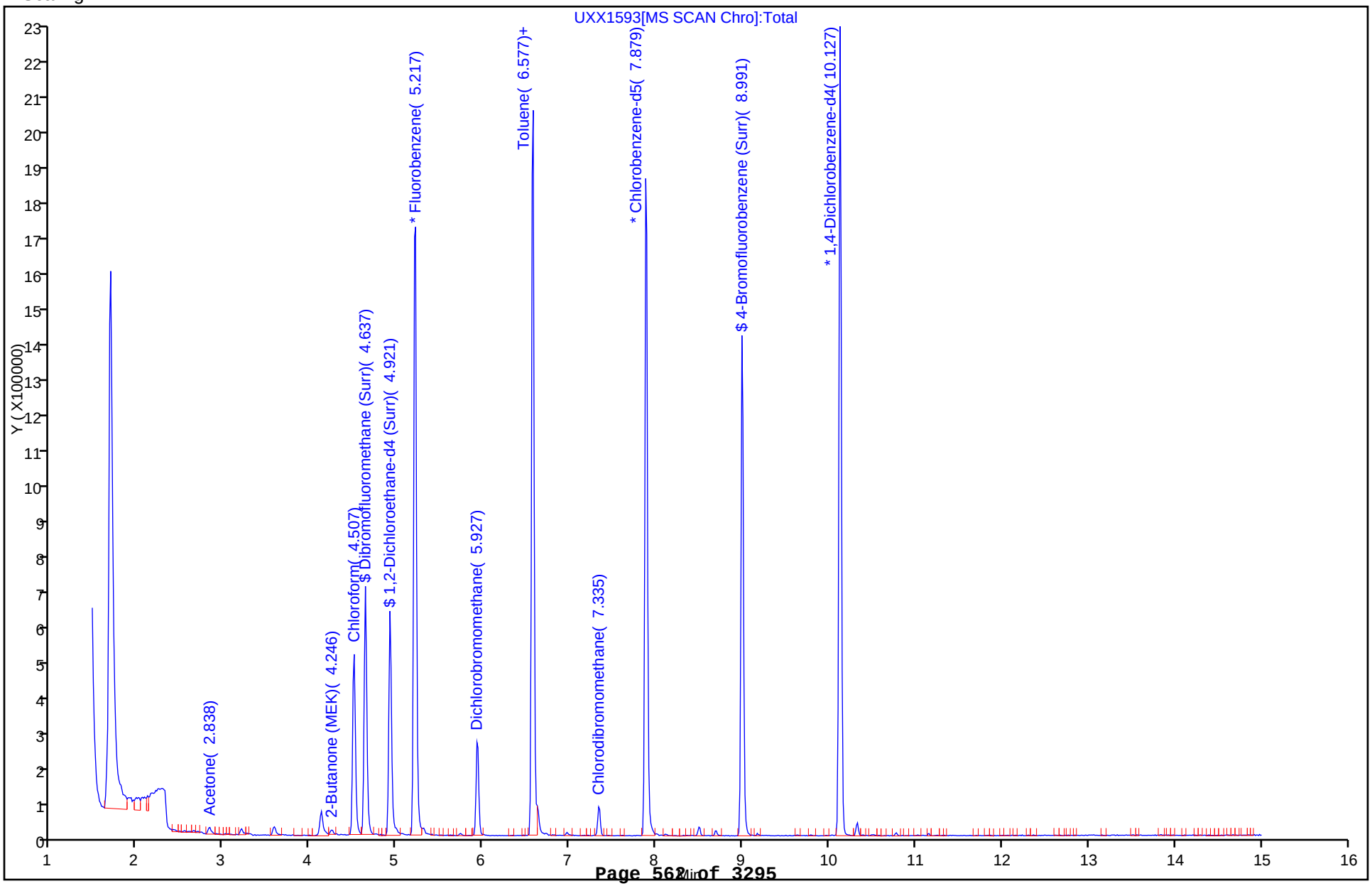
Report Date: 21-Dec-2012 08:34:54 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121220-16059.b\UXX1593.D

Injection Date:	20-Dec-2012 14:26:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	070-0057-0001-SOURCE WATER	Instrument ID:	A3UX10
Lims Batch ID:	69591	Lims Sample ID:	9
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



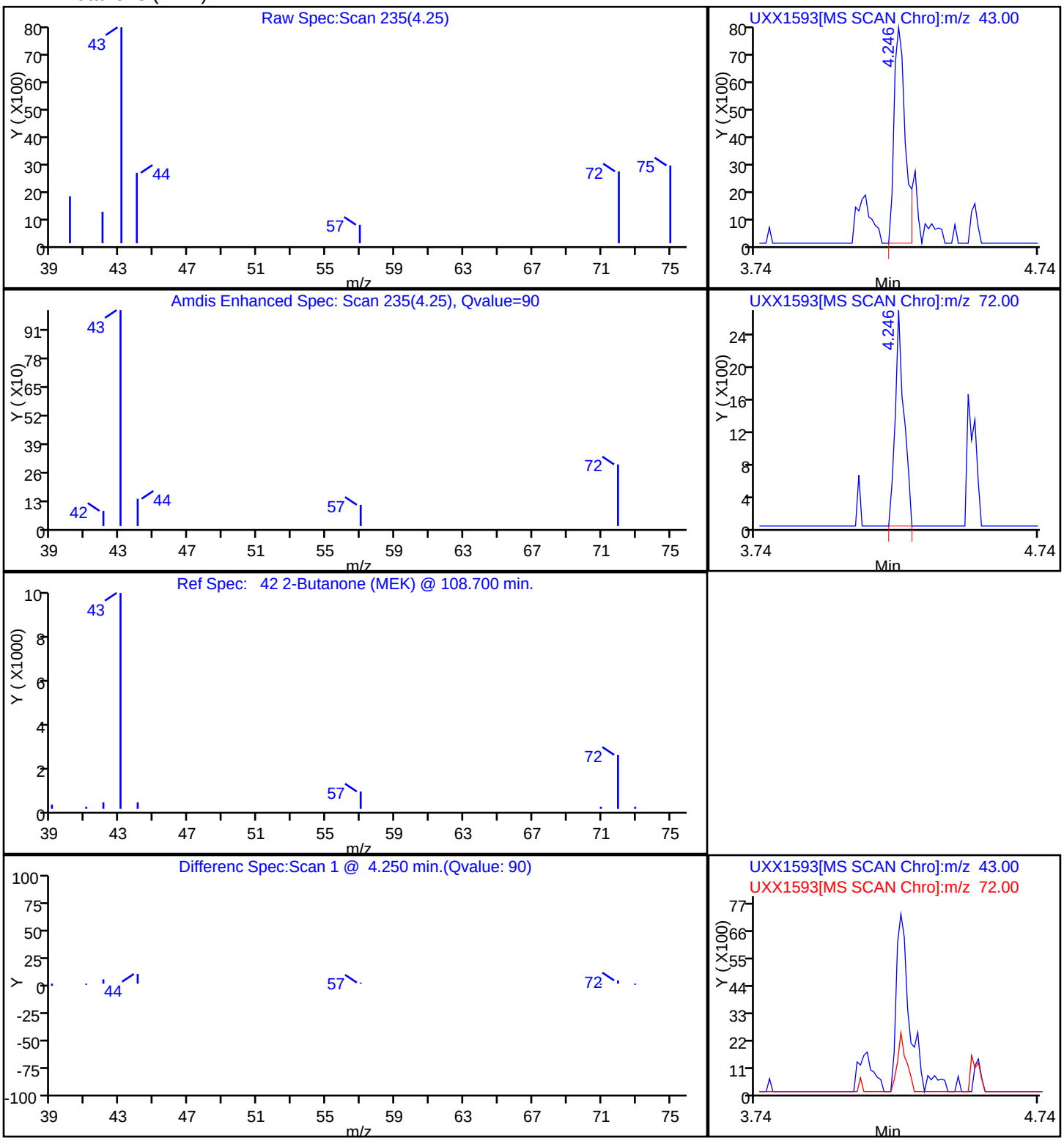
Report Date: 21-Dec-2012 08:34:54 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121220-16059.b\UXX1593.D

Injection Date:	20-Dec-2012 14:26:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	070-0057-0001-SOURCE WATER	Instrument ID:	A3UX10
Lims Batch ID:	69591	Lims Sample ID:	9
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

42 2-Butanone (MEK)



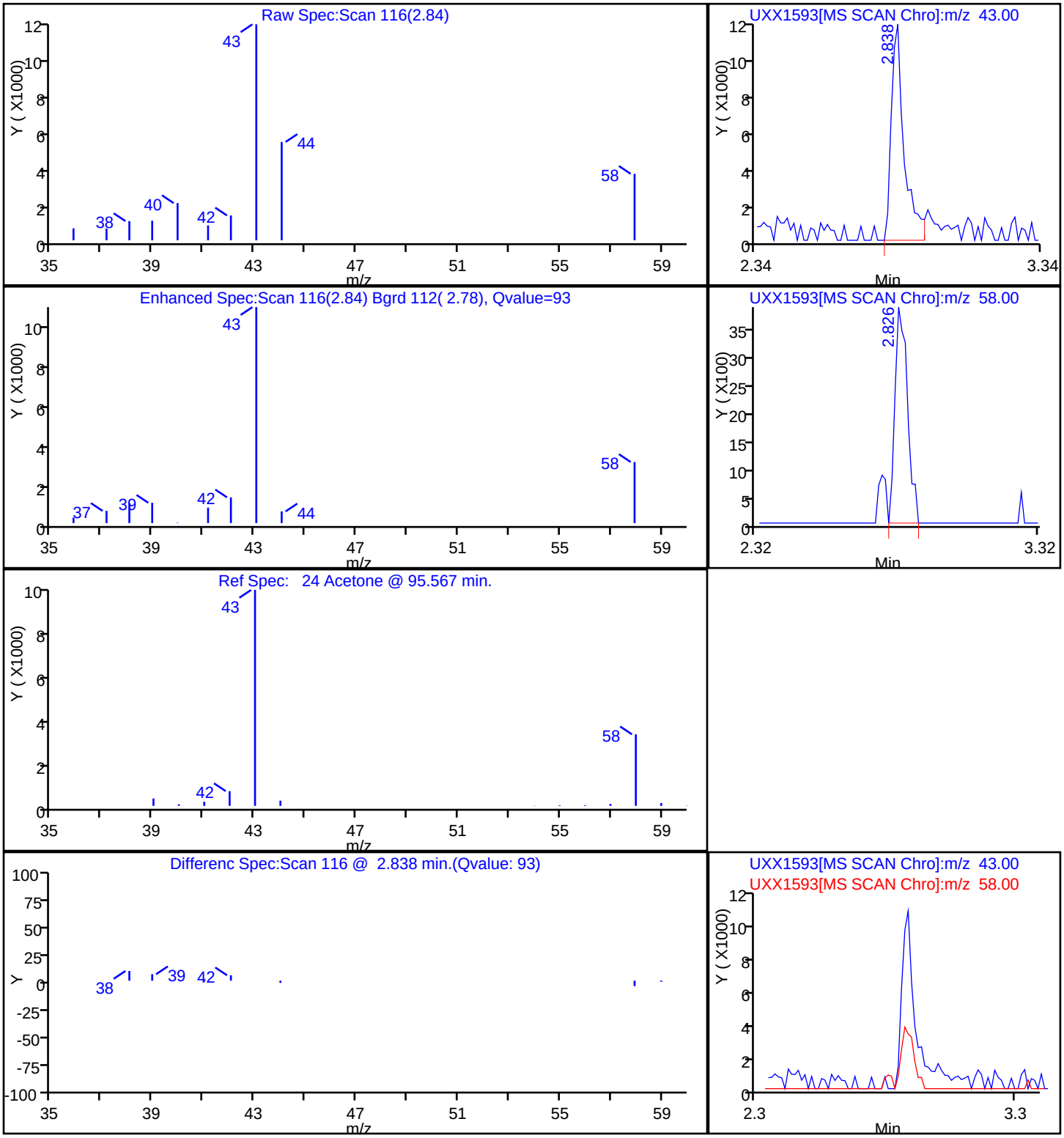
Report Date: 21-Dec-2012 08:34:54 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121220-16059.b\UXX1593.D

Injection Date:	20-Dec-2012 14:26:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	070-0057-0001-SOURCE WATER	Instrument ID:	A3UX10
Lims Batch ID:	69591	Lims Sample ID:	9
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

24 Acetone



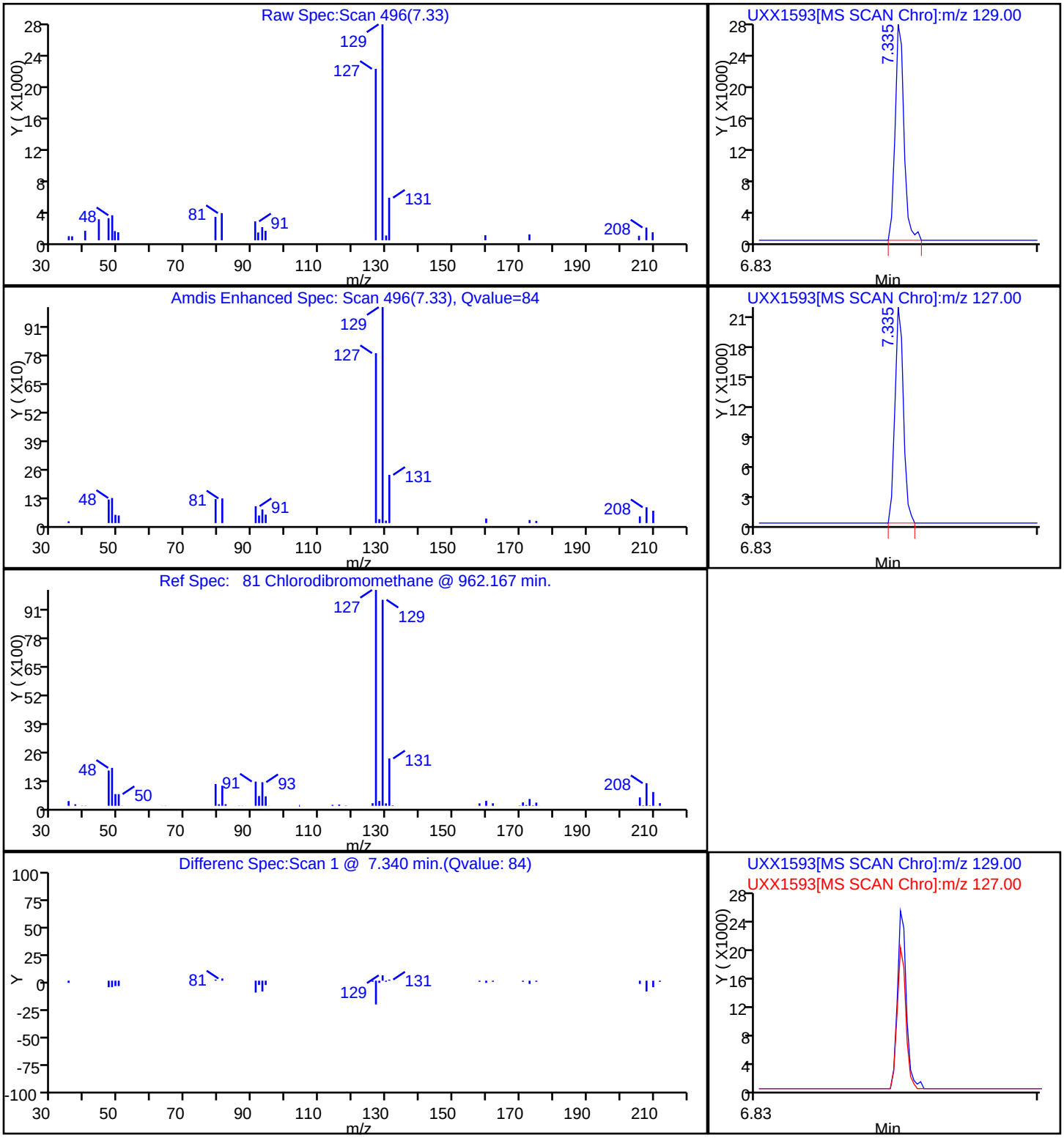
Report Date: 21-Dec-2012 08:34:54 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121220-16059.b\UXX1593.D

Injection Date:	20-Dec-2012 14:26:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	070-0057-0001-SOURCE WATER	Instrument ID:	A3UX10
Lims Batch ID:	69591	Lims Sample ID:	9
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

81 Chlorodibromomethane



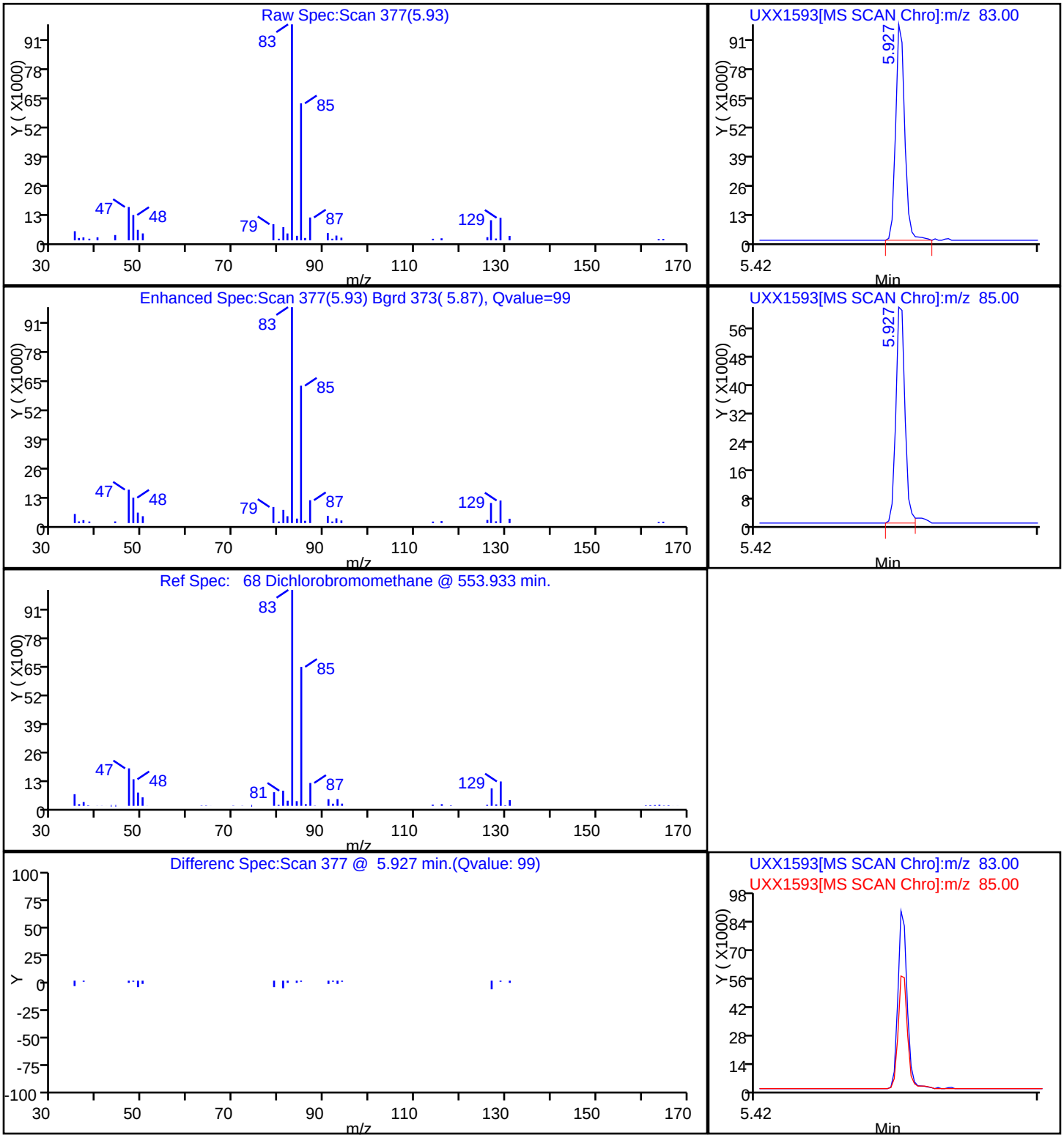
Report Date: 21-Dec-2012 08:34:54 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121220-16059.b\UXX1593.D

Injection Date:	20-Dec-2012 14:26:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	070-0057-0001-SOURCE WATER	Instrument ID:	A3UX10
Lims Batch ID:	69591	Lims Sample ID:	9
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

68 Dichlorobromomethane



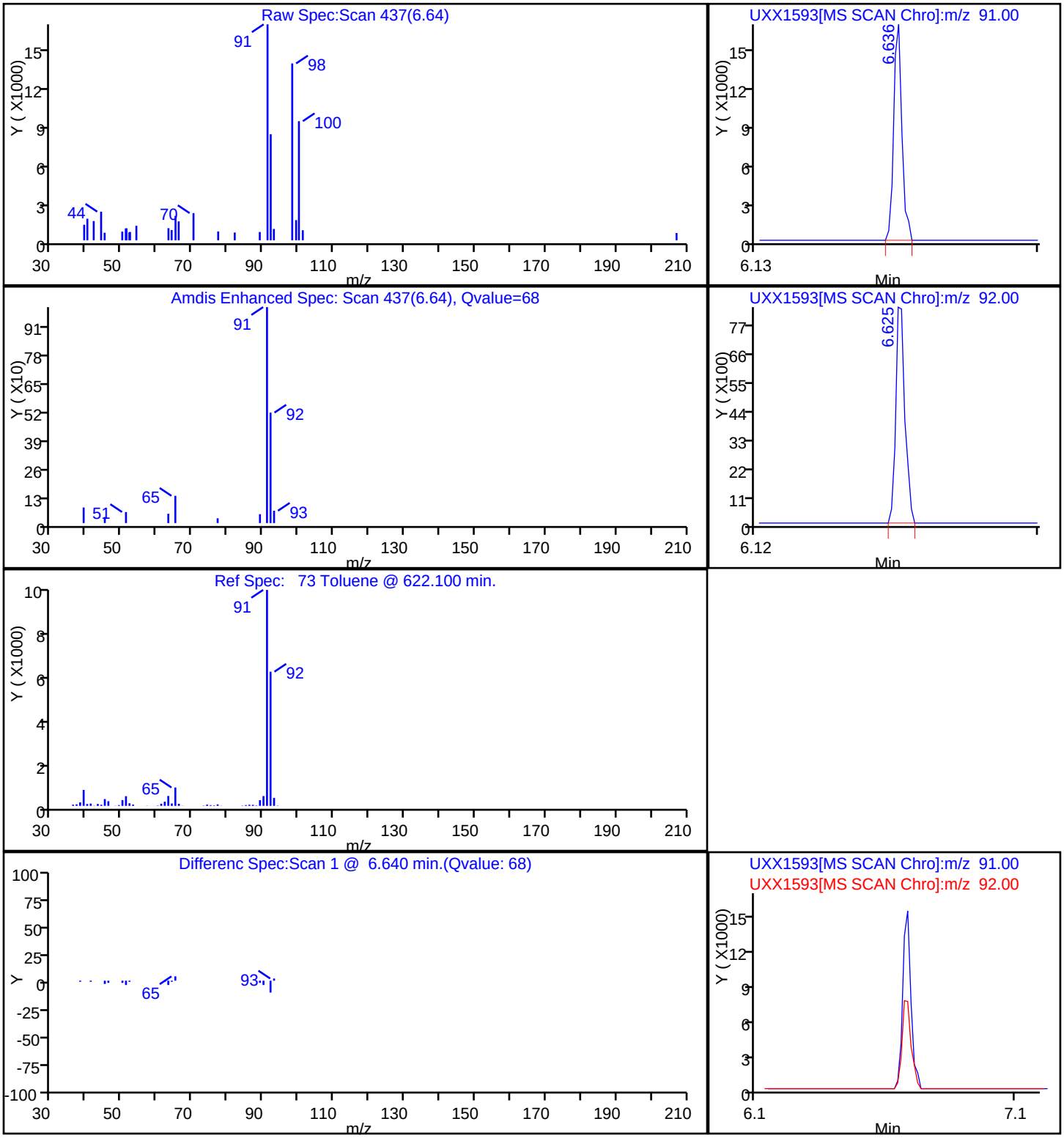
Report Date: 21-Dec-2012 08:34:54 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121220-16059.b\UXX1593.D

Injection Date:	20-Dec-2012 14:26:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	070-0057-0001-SOURCE WATER	Instrument ID:	A3UX10
Lims Batch ID:	69591	Lims Sample ID:	9
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

73 Toluene



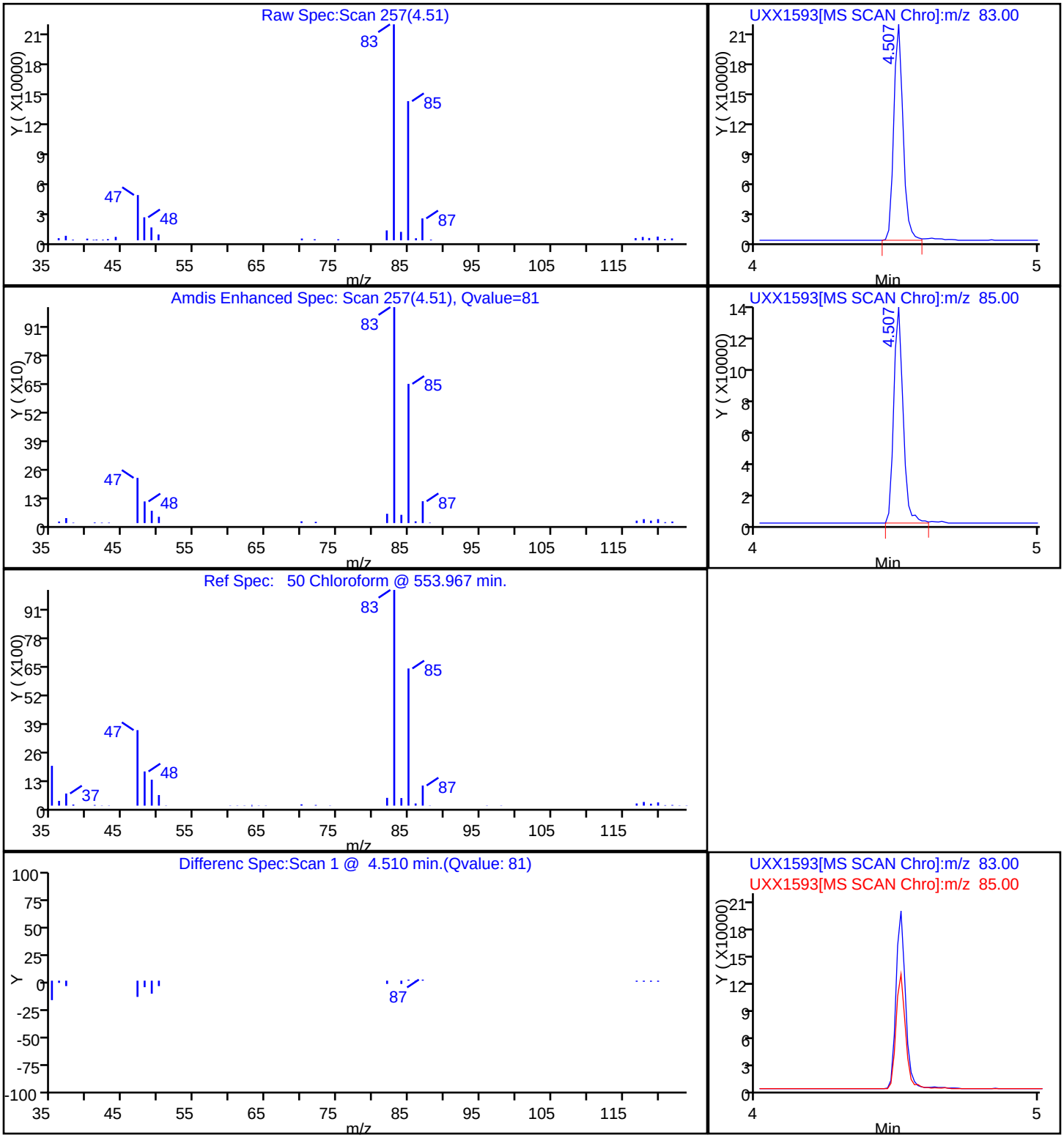
Report Date: 21-Dec-2012 08:34:54 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121220-16059.b\UXX1593.D

Injection Date:	20-Dec-2012 14:26:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	070-0057-0001-SOURCE WATER	Instrument ID:	A3UX10
Lims Batch ID:	69591	Lims Sample ID:	9
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

50 Chloroform



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: 070-0058-0001-IDW | Lab Sample ID: 240-18735-5

Matrix: Solid (TCLP) | Lab File ID: UXX1988.D

Analysis Method: 8260B/DoD | Date Collected: 12/12/2012 13:30

Sample wt/vol: 0.2(mL) | Date Analyzed: 01/02/2013 15:41

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 70888 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
75-35-4	1,1-Dichloroethene	0.013	U	0.025	0.013	0.0095
107-06-2	1,2-Dichloroethane	0.013	U	0.025	0.013	0.011
78-93-3	2-Butanone (MEK)	0.025	U	0.25	0.025	0.029
71-43-2	Benzene	0.013	U	0.025	0.013	0.0065
56-23-5	Carbon tetrachloride	0.013	U	0.025	0.013	0.0065
108-90-7	Chlorobenzene	0.013	U	0.025	0.013	0.0075
67-66-3	Chloroform	0.013	U	0.025	0.013	0.0080
127-18-4	Tetrachloroethene	0.025	U	0.025	0.025	0.015
79-01-6	Trichloroethene	0.013	U	0.025	0.013	0.0085
75-01-4	Vinyl chloride	0.013	U	0.025	0.013	0.011

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	92		90-115
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		80-121
460-00-4	4-Bromofluorobenzene (Surr)	85		70-124
1868-53-7	Dibromofluoromethane (Surr)	106		84-128

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130102-16347.b\UXX1988.D
Lims ID: 240-18735-C-5-A
Client ID: 070-0058-0001-IDW
Inject. Date: 02-Jan-2013 15:41:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0016347-006
Misc. Info.: P30102A,8260LLUX10,,1904 =P30102A,8260LLUX10,,1904
Operator: 1904
Instrument ID: A3UX10
Purge Vol: 5.000 mL
ALS Bottle#: 5
Lims Batch ID: 70888
Lims Sample ID: 6
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20130102-16347.b\8260_10.m
Last Update: 03-Jan-2013 07:29:20
Calib Date: 14-Dec-2012 19:27:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: DB-624
Column Dia: 0.18 mm
Process Host: XAWRK036

First Level Reviewer: quayler
Date: 02-Jan-2013 15:59:45

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.207	5.205	0.002	100	1928426	10.0	
* 2 Chlorobenzene-d5	117	7.881	7.879	0.002	84	1466969	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.130	10.127	0.003	93	681226	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.627	4.625	0.002	60	478206	10.6	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.911	4.921	-0.010	0	518409	9.84	
$ 7 Toluene-d8 (Surr)	98	6.568	6.565	0.003	92	1743435	9.18	
$ 8 4-Bromofluorobenzene (Surr)	95	8.994	8.991	0.003	96	567424	8.49	
11 C6-C10	1		0.000					
10 C6-C12	1		0.000					
9 Benzyl chloride	126		0.000					
143 1,3-Diethylbenzene TIC	1		0.000					
12 Dichlorodifluoromethane	85		1.560					
13 Chloromethane	50		1.690					
14 Vinyl chloride	62		1.797					
15 Chlorodifluoromethane TIC	1		1.900					
16 Bromomethane	94		2.081					9
17 Chloroethane	64		2.163					9
18 Dichlorofluoromethane	67		2.329					
19 Trichlorofluoromethane	101		2.388					
20 Ethyl ether	59		2.601					9
21 Acrolein	56		2.696					
23 1,1-Dichloroethene	96		2.802					
24 Acetone	43	2.829	2.826	0.003	79	27434	1.55	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151		2.826					
22 Methylal	45		2.851					9
26 Iodomethane	142		2.933					
27 Carbon disulfide	76		3.004					
28 Acetonitrile	41		3.051					
29 3-Chloro-1-propene	76		3.098					9
30 Methyl acetate	43		3.098					9

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
31 Methylene Chloride	84		3.193					
32 2-Methyl-2-propanol	59		3.264					
33 Acrylonitrile	53		3.382					
34 trans-1,2-Dichloroethene	96		3.430					
35 Methyl tert-butyl ether	73		3.430					
36 Hexane	86		3.666					
37 1,1-Dichloroethane	63		3.773					
38 Vinyl acetate	86		3.796					
39 Isopropyl ether	87		3.819					
40 2-Chloro-1,3-butadiene	53		3.855					
41 Tert-butyl ethyl ether	59		4.115					
42 2-Butanone (MEK)	43	4.249	4.234	0.015	56	2977	0.1684	
43 cis-1,2-Dichloroethene	96		4.246					
44 2,2-Dichloropropane	77		4.258					
45 Propionitrile	54		4.281					
46 Ethyl acetate	43		4.293					9
47 Methacrylonitrile	41		4.411					
48 Chlorobromomethane	128		4.435					
49 Tetrahydrofuran	42		4.495					
50 Chloroform	83		4.495					9
51 1,1,1-Trichloroethane	97		4.672					
52 Cyclohexane	56		4.743					
53 1,1-Dichloropropene	75		4.814					
54 Carbon tetrachloride	117		4.826					
55 Isobutyl alcohol	41		4.849					
56 1,2-Dichloroethane	62		4.980					
57 Benzene	78		4.980					9
58 Tert-amyl methyl ether	73		5.062					
59 n-Heptane	100		5.204					
60 n-Butanol	56		5.405					
61 Trichloroethene	130		5.524					9
62 Ethyl acrylate	55		5.605					
63 Methylcyclohexane	83		5.702					9
64 1,2-Dichloropropane	63		5.702					
65 Methyl methacrylate	41		5.784					9
66 Dibromomethane	93		5.808					
67 1,4-Dioxane	88		5.808					
68 Dichlorobromomethane	83		5.926					
69 2-Nitropropane	41		6.115					
70 2-Chloroethyl vinyl ether	63		6.175					
71 cis-1,3-Dichloropropene	75		6.317					9
72 4-Methyl-2-pentanone (MIBK)	43		6.447					9
73 Toluene	91		6.624					
74 trans-1,3-Dichloropropene	75		6.802					
75 Ethyl methacrylate	69		6.873					
76 1,1,2-Trichloroethane	97		6.968					
77 1,3-Dichloropropane	76		7.121					
78 Tetrachloroethene	164		7.133					
79 2-Hexanone	43		7.181					9
80 n-Butyl acetate	56	7.302	7.298	0.004	74	5663	0	
81 Chlorodibromomethane	129		7.334					
82 Tetrahydrothiophene	60		7.346					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
83 Ethylene Dibromide	107		7.453					
84 1-Chlorohexane	91		7.779					
85 Chlorobenzene	112		7.914					
86 1,1,1,2-Tetrachloroethane	131		7.973					
87 Ethylbenzene	106		8.009					9
88 m-Xylene & p-Xylene	106	8.106	8.115	-0.009	80	11370	0.1140	
89 o-Xylene	106		8.494					9
90 Styrene	104		8.506					9
91 Bromoform	173		8.683					
92 Isopropylbenzene	105		8.849					
93 1,4-Dichlorobutane	55		8.931					9
94 Cyclohexanone	55		8.931					9
95 1,1,2,2-Tetrachloroethane	83		9.109					
96 Bromobenzene	156		9.145					
97 1,2,3-Trichloropropane	110		9.157					
98 trans-1,4-Dichloro-2-butene	53		9.169					
99 N-Propylbenzene	120		9.240					
100 2-Chlorotoluene	126		9.334					
101 1,3,5-Trimethylbenzene	105		9.417					9
102 4-Chlorotoluene	126		9.441					
103 tert-Butylbenzene	119		9.736					
104 1,2,4-Trimethylbenzene	105		9.784					9
105 sec-Butylbenzene	105		9.949					9
106 1,3-Dichlorobenzene	146		10.068					
107 4-Isopropyltoluene	119		10.091					9
108 1,4-Dichlorobenzene	146		10.151					
109 1,2,3-Trimethylbenzene	105		10.197					9
110 n-Butylbenzene	91		10.506					9
111 1,2-Dichlorobenzene	146		10.517					
112 1,2-Dibromo-3-Chloropropane	157		11.287					
113 1,3,5-Trichlorobenzene	180		11.511					
114 1,2,4-Trichlorobenzene	180		12.127					9
115 Hexachlorobutadiene	225		12.304					9
116 Naphthalene	128		12.375					9
117 1,2,3-Trichlorobenzene	180		12.624					9
118 2-Methylnaphthalene	142		13.688					
S 119 Trihalomethanes, Total	1		0.000					7
S 120 1,2-Dichloroethene, Total	96		1.140					7
S 121 1,3-Dichloropropene, Total	75		6.760					7
S 122 Xylenes, Total	106				0		0.1140	
T 123 Butyl Methacrylate TIC	1		9.400					1
T 124 Hexachloroethane TIC	1		10.700					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

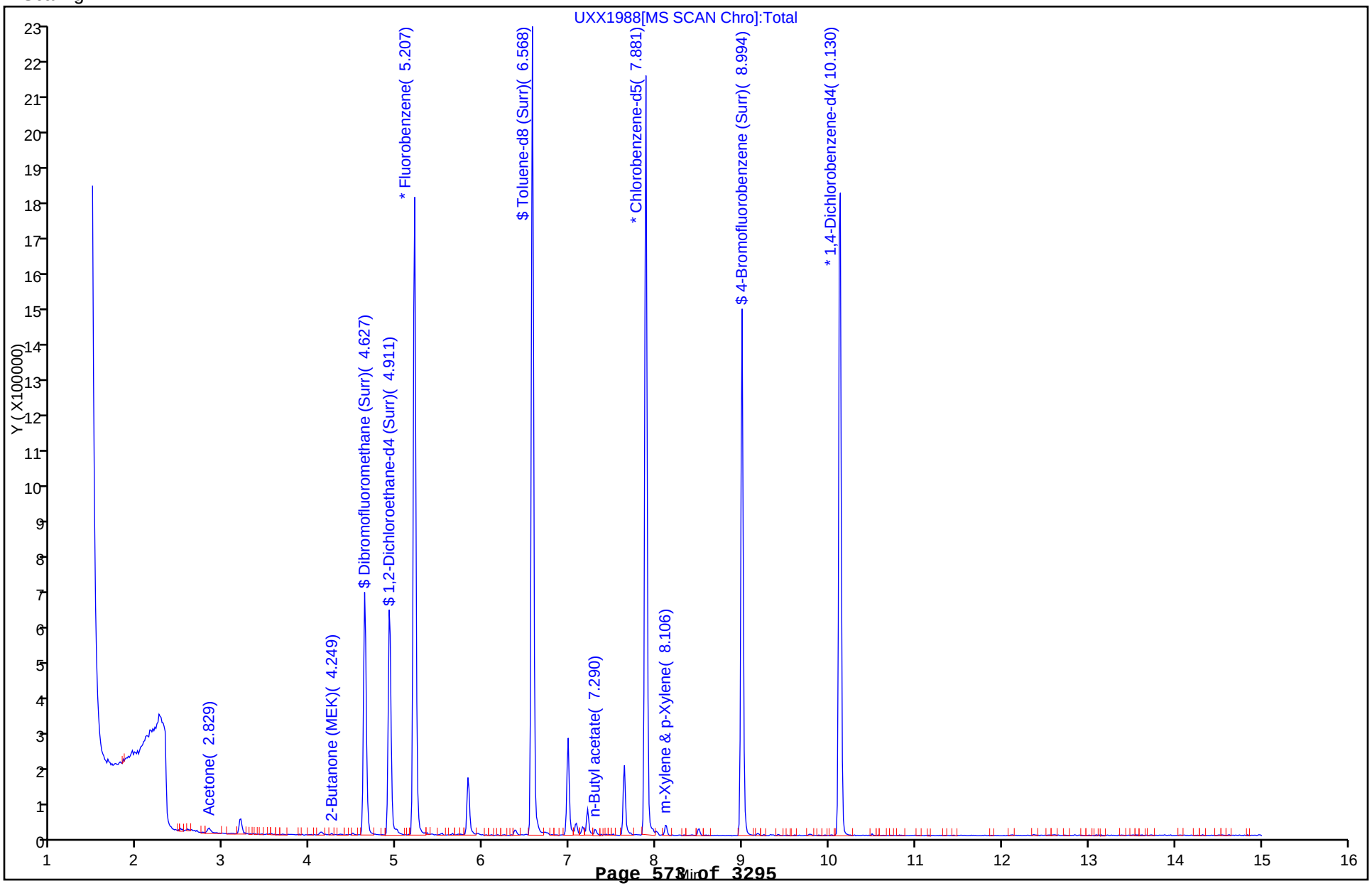
Report Date: 03-Jan-2013 07:29:22 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130102-16347.b\UXX1988.D

Injection Date:	02-Jan-2013 15:41:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	070-0058-0001-IDW	Instrument ID:	A3UX10
Lims Batch ID:	70888	Lims Sample ID:	6
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: 070-0059-0001-IDW | Lab Sample ID: 240-18735-6

Matrix: Water (TCLP) | Lab File ID: UXX1989.D

Analysis Method: 8260B/DoD | Date Collected: 12/12/2012 13:30

Sample wt/vol: 0.2(mL) | Date Analyzed: 01/02/2013 16:03

Soil Aliquot Vol: | Dilution Factor: 2

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 70888 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
75-35-4	1,1-Dichloroethene	0.025	U	0.050	0.025	0.019
107-06-2	1,2-Dichloroethane	0.025	U	0.050	0.025	0.022
78-93-3	2-Butanone (MEK)	0.050	U	0.50	0.050	0.057
71-43-2	Benzene	0.025	U	0.050	0.025	0.013
56-23-5	Carbon tetrachloride	0.025	U	0.050	0.025	0.013
108-90-7	Chlorobenzene	0.025	U	0.050	0.025	0.015
67-66-3	Chloroform	0.027	J	0.050	0.025	0.016
127-18-4	Tetrachloroethene	0.050	U	0.050	0.050	0.029
79-01-6	Trichloroethene	0.025	U	0.050	0.025	0.017
75-01-4	Vinyl chloride	0.025	U	0.050	0.025	0.022

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	93		90-115
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		80-121
460-00-4	4-Bromofluorobenzene (Surr)	84		70-124
1868-53-7	Dibromofluoromethane (Surr)	107		84-128

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130102-16347.b\UXX1989.D
Lims ID: 240-18735-F-6-A
Client ID: 070-0059-0001-IDW
Inject. Date: 02-Jan-2013 16:03:30
Dil. Factor: 2.0000
Sample Type: Client
Sample ID: 240-0016347-007
Misc. Info.: P30102A,8260LLUX10,,1904 =P30102A,8260LLUX10,,1904
Operator: 1904
Instrument ID: A3UX10
Purge Vol: 5.000 mL
ALS Bottle#: 6
Lims Batch ID: 70888
Lims Sample ID: 7
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20130102-16347.b\8260_10.m
Last Update: 03-Jan-2013 07:29:20
Calib Date: 14-Dec-2012 19:27:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: DB-624
Column Dia: 0.18 mm
Process Host: XAWRK036

First Level Reviewer: quayler
Date: 03-Jan-2013 07:21:16

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.204	5.205	-0.001	100	1988841	10.0	
* 2 Chlorobenzene-d5	117	7.878	7.879	-0.001	82	1448909	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.126	10.127	-0.001	92	691581	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.624	4.625	-0.001	67	499839	10.7	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.920	4.921	-0.001	0	519031	9.55	
$ 7 Toluene-d8 (Surr)	98	6.564	6.565	-0.001	93	1745522	9.30	
$ 8 4-Bromofluorobenzene (Surr)	95	8.990	8.991	-0.001	96	555542	8.42	
14 Vinyl chloride	62		1.797					
23 1,1-Dichloroethene	96		2.802					
42 2-Butanone (MEK)	43	4.245	4.234	0.011	68	8075	0.4430	
50 Chloroform	83	4.494	4.495	-0.001	85	49841	0.5464	
54 Carbon tetrachloride	117		4.826					
56 1,2-Dichloroethane	62		4.980					
57 Benzene	78		4.980					9
61 Trichloroethene	130		5.524					
78 Tetrachloroethene	164		7.133					
85 Chlorobenzene	112		7.914					

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

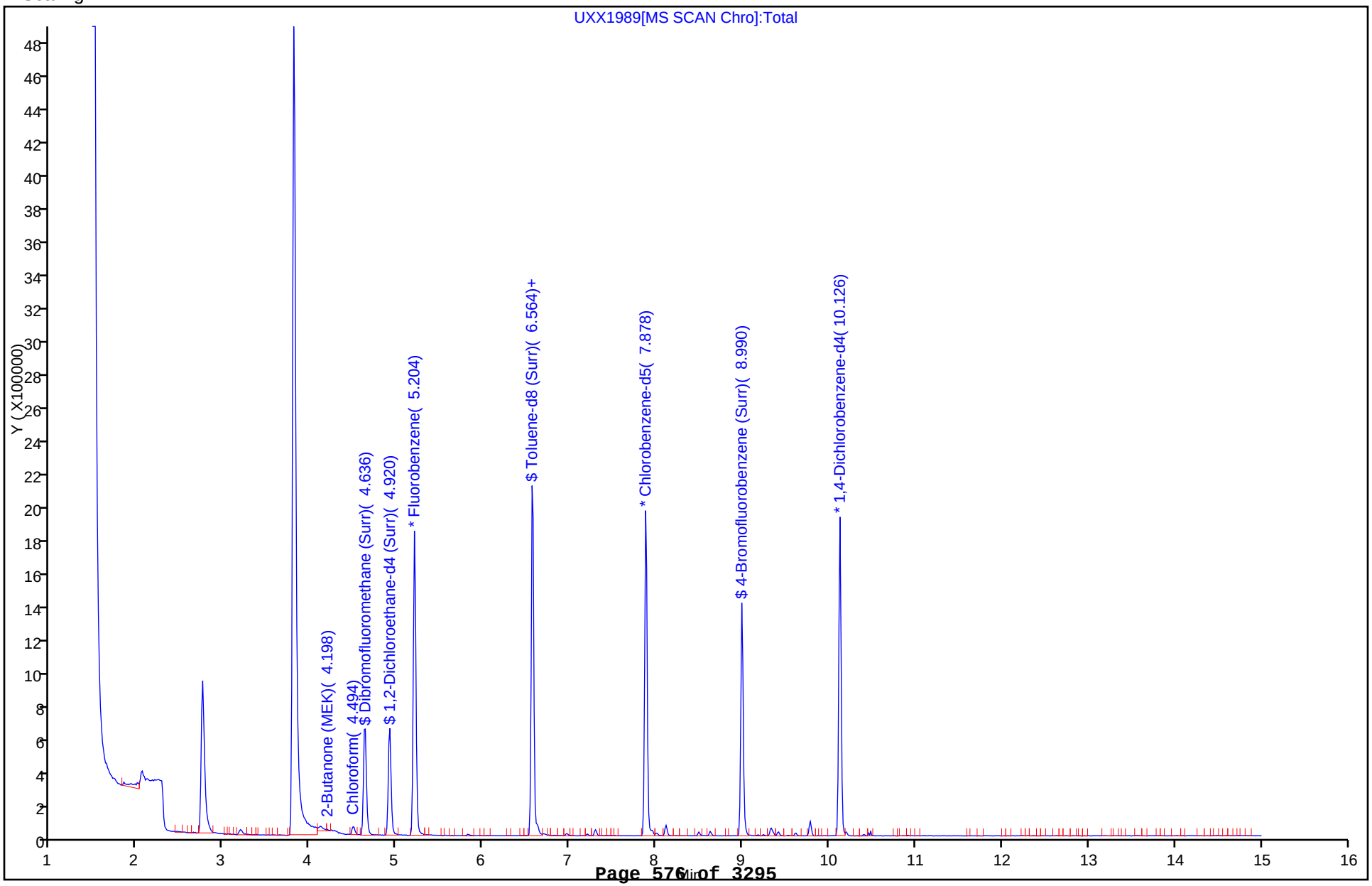
Report Date: 03-Jan-2013 07:29:23 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130102-16347.b\UXX1989.D

Injection Date:	02-Jan-2013 16:03:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	070-0059-0001-IDW	Instrument ID:	A3UX10
Lims Batch ID:	70888	Lims Sample ID:	7
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



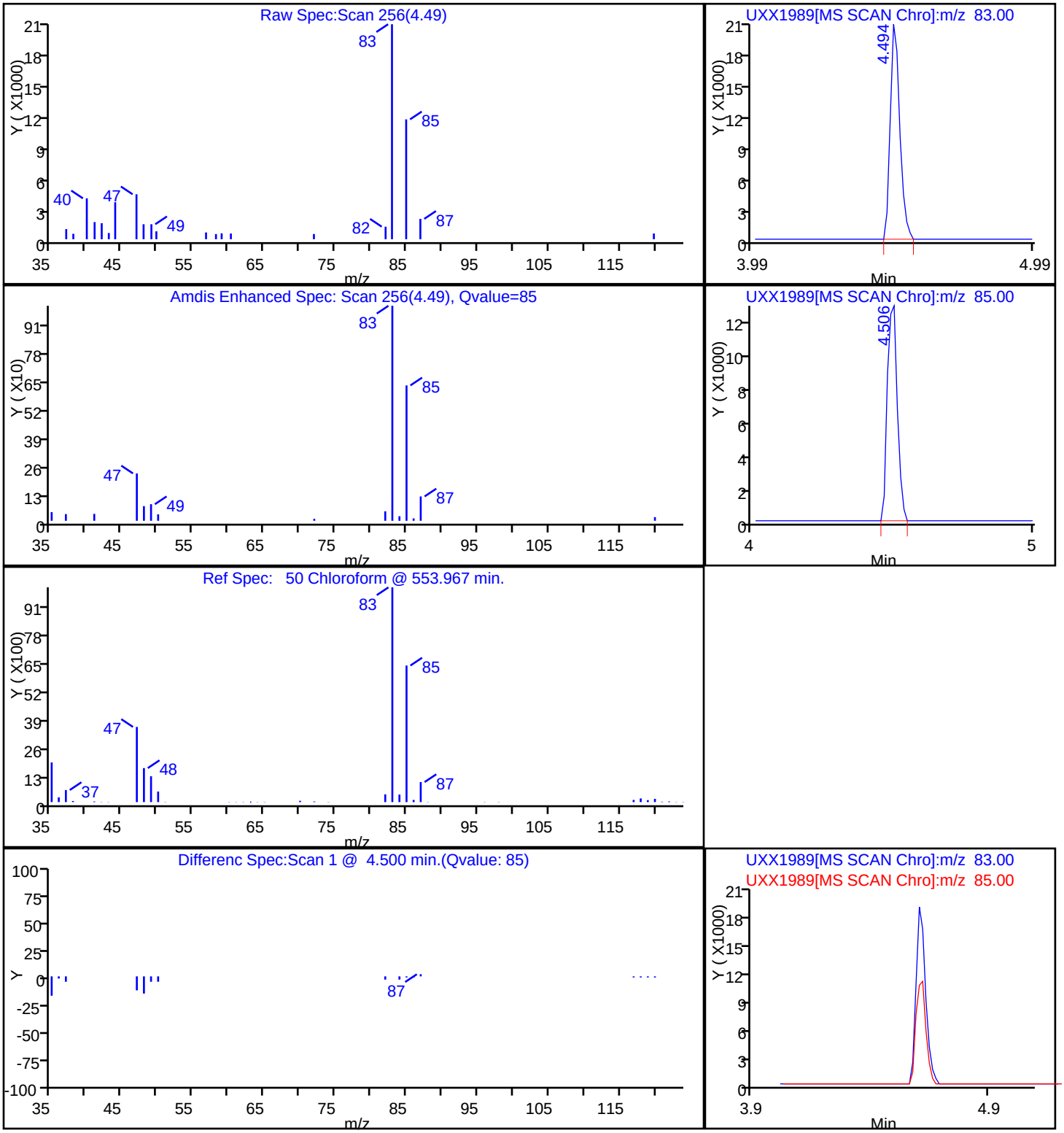
Report Date: 03-Jan-2013 07:29:23 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130102-16347.b\UXX1989.D

Injection Date:	02-Jan-2013 16:03:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	070-0059-0001-IDW	Instrument ID:	A3UX10
Lims Batch ID:	70888	Lims Sample ID:	7
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

50 Chloroform



FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 68811

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/14/2012 15:32 Calibration End Date: 12/14/2012 17:19 Calibration ID: 12853

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-68811/7	UXX1405.D
Level 2	STD8260 240-68811/6	UXX1404.D
Level 3	STD8260 240-68811/5	UXX1403.D
Level 4	STD8260 240-68811/4	UXX1402.D
Level 5	STD8260 240-68811/3	UXX1401.D
Level 6	STD8260 240-68811/2	UXX1400.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.1682 0.2001	0.1834	0.1868	0.1863	0.1845	Ave		0.1849			0.1000	5.5		15.0			
Chloromethane	0.3695 0.3307	0.3350	0.3055	0.3246	0.3150	Ave		0.3300			0.1000	6.7		15.0			
Vinyl chloride	0.3547 0.3344	0.3245	0.3202	0.3230	0.3129	Ave		0.3283			0.1000	4.5		15.0			
Bromomethane	0.1859 0.1347	0.1569	0.1557	0.1519	0.1395	Ave		0.1541			0.0500	12.0		15.0			
Chloroethane	0.2127 0.1877	0.1943	0.1865	0.1845	0.1820	Ave		0.1913				5.9		15.0			
Trichlorofluoromethane	0.2902 0.2557	0.2794	0.2672	0.2616	0.2391	Ave		0.2655			0.1000	6.8		15.0			
Acrolein	0.0304 0.0294	0.0301	0.0303	0.0299	0.0297	Ave		0.0300				1.2		15.0			
1,1-Dichloroethene	0.2719 0.2466	0.2674	0.2491	0.2423	0.2434	Ave		0.2534			0.1000	5.1		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2212 0.1977	0.2085	0.1866	0.1878	0.1857	Ave		0.1979			0.0500	7.3		15.0			
Acetone	0.0868 0.0585	0.0703	0.0593	0.0626	0.0588	Lin1	0.0530	0.0578			0.0500				0.9990		0.9950
Iodomethane	0.4305 0.3878	0.4044	0.3998	0.3989	0.3923	Ave		0.4023				3.7		15.0			
Carbon disulfide	0.8008 0.8201	0.7373	0.7428	0.7660	0.7648	Ave		0.7720			0.1000	4.2		15.0			
Acetonitrile	0.0181 0.0183	0.0184	0.0180	0.0175	0.0171	Ave		0.0179				2.8		15.0			
Methyl acetate	0.2022 0.1801	0.1856	0.1932	0.1816	0.1804	Ave		0.1872			0.1000	4.7		15.0			
Methylene Chloride	0.5366 0.2822	0.3910	0.3185	0.2940	0.2831	Lin1	0.2486	0.2732			0.1000				1.0000		0.9950

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 68811

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/14/2012 15:32 Calibration End Date: 12/14/2012 17:19 Calibration ID: 12853

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Methyl-2-propanol	0.0114 0.0105	0.0122	0.0121	0.0114	0.0113	Ave		0.0115				5.6		15.0			
Acrylonitrile	0.0892 0.0856	0.0869	0.0919	0.0881	0.0879	Ave		0.0883				2.5		15.0			
Methyl tert-butyl ether	0.6397 0.7181	0.6462	0.6706	0.6819	0.6896	Ave		0.6743			0.1000	4.3		15.0			
trans-1,2-Dichloroethene	0.2888 0.2750	0.2742	0.2690	0.2726	0.2680	Ave		0.2746			0.1000	2.7		15.0			
Hexane	0.0550 0.0564	0.0595	0.0532	0.0525	0.0512	Ave		0.0546				5.5		15.0			
1,1-Dichloroethane	0.4718 0.4567	0.4588	0.4447	0.4475	0.4445	Ave		0.4540			0.1000	2.3		15.0			
Vinyl acetate	0.0355 0.0436	0.0320	0.0385	0.0406	0.0424	Ave		0.0388				11.0		15.0			
2-Butanone (MEK)	0.0971 0.0923	0.0854	0.0935	0.0877	0.0940	Ave		0.0917			0.0500	4.7		15.0			
cis-1,2-Dichloroethene	0.3064 0.2938	0.2833	0.2880	0.2894	0.2853	Ave		0.2910			0.1000	2.9		15.0			
2,2-Dichloropropane	0.2273 0.2512	0.2253	0.2368	0.2360	0.2401	Ave		0.2361				4.0		15.0			
Bromochloromethane	0.1484 0.1412	0.1509	0.1408	0.1373	0.1402	Ave		0.1431				3.7		15.0			
Tetrahydrofuran	0.0674 0.0622	0.0681	0.0592	0.0620	0.0640	Ave		0.0638				5.4		15.0			
Chloroform	0.4803 0.4604	0.4625	0.4493	0.4503	0.4488	Ave		0.4586				2.7		15.0			
1,1,1-Trichloroethane	0.3361 0.3437	0.3248	0.3289	0.3315	0.3327	Ave		0.3330			0.1000	1.9		15.0			
Cyclohexane	0.4243 0.4454	0.4045	0.3992	0.4183	0.4156	Ave		0.4179			0.1000	3.9		15.0			
1,1-Dichloropropene	0.3295 0.3559	0.3313	0.3332	0.3329	0.3395	Ave		0.3371				2.9		15.0			
Carbon tetrachloride	0.3013 0.3092	0.2765	0.2779	0.2882	0.2875	Ave		0.2901			0.1000	4.5		15.0			
1,2-Dichloroethane	0.3228 0.3284	0.3200	0.3184	0.3149	0.3142	Ave		0.3198			0.1000	1.7		15.0			
Benzene	1.1588 1.1315	1.0685	1.0679	1.0507	1.0629	Ave		1.0901			0.5000	4.0		15.0			
Trichloroethene	0.2923 0.2857	0.2685	0.2757	0.2717	0.2757	Ave		0.2783			0.2000	3.2		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 68811

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/14/2012 15:32 Calibration End Date: 12/14/2012 17:19 Calibration ID: 12853

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dichloropropane	0.2388 0.2561	0.2264	0.2362	0.2412	0.2433	Ave		0.2403			0.1000	4.0		15.0			
Methylcyclohexane	0.3619 0.3979	0.3552	0.3478	0.3665	0.3688	Ave		0.3663			0.1000	4.7		15.0			
Dibromomethane	0.1556 0.1462	0.1342	0.1407	0.1411	0.1402	Ave		0.1430				5.1		15.0			
1,4-Dioxane	0.0012 0.0015	0.0012	0.0016	0.0015	0.0017	Ave		0.0015				15.0		15.0			
Bromodichloromethane	0.2936 0.3339	0.2698	0.2864	0.2969	0.3032	Ave		0.2973			0.1000	7.2		15.0			
2-Chloroethyl vinyl ether	0.1115 0.1488	0.1069	0.1191	0.1267	0.1370	Ave		0.1250				13.0		15.0			
cis-1,3-Dichloropropene	0.3102 0.4014	0.2932	0.3276	0.3465	0.3669	Ave		0.3410			0.1500	12.0		15.0			
4-Methyl-2-pentanone (MIBK)	0.1683 0.2040	0.1750	0.1806	0.1851	0.1973	Ave		0.1850			0.0500	7.3		15.0			
Toluene	1.6137 1.6761	1.4739	1.6053	1.5903	1.6365	Ave		1.5993			0.4000	4.3		15.0			
trans-1,3-Dichloropropene	0.3775 0.4939	0.3648	0.4102	0.4285	0.4685	Ave		0.4239			0.1000	12.0		15.0			
Ethyl methacrylate	0.3069 0.4515	0.3026	0.3649	0.3987	0.4250	Lin1	-0.220	0.4436							0.9980		0.9950
1,1,2-Trichloroethane	0.3278 0.3056	0.3043	0.3189	0.3027	0.3015	Ave		0.3101			0.1000	3.5		15.0			
1,3-Dichloropropane	0.5523 0.5528	0.5256	0.5345	0.5247	0.5421	Ave		0.5387				2.3		15.0			
Tetrachloroethene	0.3348 0.3277	0.3229	0.3366	0.3179	0.3236	Ave		0.3273			0.2000	2.2		15.0			
2-Hexanone	0.1557 0.1890	0.1610	0.1776	0.1826	0.1933	Ave		0.1765			0.0500	8.6		15.0			
Dibromochloromethane	0.2849 0.3652	0.2686	0.3176	0.3275	0.3393	Ave		0.3172				11.0		15.0			
1,2-Dibromoethane	0.3005 0.3161	0.2900	0.3108	0.3001	0.3132	Ave		0.3051				3.3		15.0			
Chlorobenzene	1.1260 1.0833	1.0071	1.0336	1.0154	1.0453	Ave		1.0518			0.3000	4.3		15.0			
1,1,1,2-Tetrachloroethane	0.3541 0.3776	0.3331	0.3588	0.3579	0.3754	Ave		0.3595				4.5		15.0			
Ethylbenzene	0.5069 0.5868	0.4902	0.5404	0.5381	0.5610	Ave		0.5372				6.5		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 68811

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/14/2012 15:32 Calibration End Date: 12/14/2012 17:19 Calibration ID: 12853

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
m-Xylene & p-Xylene	0.6166 0.7545	0.6271	0.6839	0.6854	0.7110	Ave		0.6797				7.6		15.0			
o-Xylene	0.6328 0.7117	0.5709	0.6506	0.6704	0.6861	Ave		0.6537				7.5		15.0			
Styrene	0.9317 1.2368	0.9461	1.0744	1.1016	1.1551	Ave		1.0743			0.3000	11.0		15.0			
Bromoform	0.1763 0.2364	0.1902	0.2005	0.2055	0.2280	Ave		0.2062			0.1000	11.0		15.0			
Isopropylbenzene	1.4472 1.7732	1.4438	1.5725	1.6035	1.6958	Ave		1.5893			0.1000	8.3		15.0			
1,1,2,2-Tetrachloroethane	0.7430 0.6961	0.7251	0.7069	0.7048	0.7013	Ave		0.7129			0.3000	2.5		15.0			
Bromobenzene	0.7442 0.8313	0.7466	0.7570	0.7432	0.7534	Ave		0.7626				4.5		15.0			
1,2,3-Trichloropropane	0.2230 0.2282	0.2452	0.2302	0.2326	0.2315	Ave		0.2318				3.2		15.0			
trans-1,4-Dichloro-2-butene	0.1570 0.2076	0.1620	0.1744	0.1732	0.1834	Ave		0.1763				10.0		15.0			
N-Propylbenzene	0.6510 0.8523	0.6581	0.7377	0.7697	0.7580	Ave		0.7378				10.0		15.0			
2-Chlorotoluene	0.6746 0.7582	0.6576	0.7068	0.6979	0.6968	Ave		0.6986				4.9		15.0			
1,3,5-Trimethylbenzene	1.7867 2.4099	1.9461	2.1727	2.2113	2.2293	Ave		2.1260				10.0		15.0			
4-Chlorotoluene	0.6877 0.8259	0.7122	0.7364	0.7447	0.7564	Ave		0.7439				6.3		15.0			
tert-Butylbenzene	1.7120 2.1782	1.8120	2.0057	1.8304	1.8804	Ave		1.9031				8.7		15.0			
1,2,4-Trimethylbenzene	1.8729 2.4382	2.0120	2.2186	2.2759	2.2862	Ave		2.1840				9.4		15.0			
sec-Butylbenzene	2.1318 2.5753	2.2435	2.4366	2.4214	2.4492	Ave		2.3763				6.7		15.0			
1,3-Dichlorobenzene	1.3914 1.4735	1.3824	1.4326	1.3721	1.3998	Ave		1.4086			0.6000	2.7		15.0			
4-Isopropyltoluene	1.7643 2.2184	1.8945	2.0657	2.0877	2.1191	Ave		2.0249				8.2		15.0			
1,4-Dichlorobenzene	1.6280 1.5470	1.5208	1.5108	1.4623	1.4987	Ave		1.5279			0.5000	3.7		15.0			
n-Butylbenzene	1.5106 1.7571	1.4973	1.6196	1.6360	1.6826	Ave		1.6172				6.2		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 68811

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/14/2012 15:32 Calibration End Date: 12/14/2012 17:19 Calibration ID: 12853

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dichlorobenzene	1.3941 1.3306	1.3226	1.3905	1.3403	1.3323	Ave		1.3517			0.4000	2.4		15.0			
1,2-Dibromo-3-Chloropropane	0.1129 0.0886	0.1035	0.1131	0.1096	0.1109	Ave		0.1064			0.0500	8.8		15.0			
1,3,5-Trichlorobenzene	0.7777 0.6258	0.7708	0.7864	0.7494	0.7218	Ave		0.7387				8.1		15.0			
1,2,4-Trichlorobenzene	0.6656 0.5045	0.6817	0.6711	0.6485	0.6512	Ave		0.6371			0.2000	10.0		15.0			
Hexachlorobutadiene	0.3692 +++++	0.3611	0.3119	0.2854	0.2566	Ave		0.3169				15.0		15.0			
Naphthalene	1.4153 1.1677	1.5101	1.7168	1.7220	1.7465	Ave		1.5464				15.0		15.0			
1,2,3-Trichlorobenzene	0.6490 +++++	0.6364	0.6570	0.6076	0.5677	Ave		0.6235				5.8		15.0			
Dibromofluoromethane (Surr)	0.2297 0.2371	0.2202	0.2409	0.2434	0.2327	Ave		0.2340				3.6		15.0			
1,2-Dichloroethane-d4 (Surr)	0.2706 0.2750	0.2719	0.2709	0.2847	0.2663	Ave		0.2732				2.3		15.0			
Toluene-d8 (Surr)	1.2310 1.3606	1.2008	1.3307	1.3332	1.3136	Ave		1.2950				4.9		15.0			
4-Bromofluorobenzene (Surr)	0.4411 0.4722	0.4273	0.4615	0.4662	0.4651	Ave		0.4556				3.8		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 68811

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/14/2012 15:32 Calibration End Date: 12/14/2012 17:19 Calibration ID: 12853

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-68811/7	UXX1405.D
Level 2	STD8260 240-68811/6	UXX1404.D
Level 3	STD8260 240-68811/5	UXX1403.D
Level 4	STD8260 240-68811/4	UXX1402.D
Level 5	STD8260 240-68811/3	UXX1401.D
Level 6	STD8260 240-68811/2	UXX1400.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	30879 1465250	71948	195190	367469	701197	1.00 40.0	2.00	5.00	10.0	20.0
Chloromethane	FB	Ave	67830 2421494	131438	319288	640285	1197291	1.00 40.0	2.00	5.00	10.0	20.0
Vinyl chloride	FB	Ave	65107 2448503	127350	334620	637089	1189219	1.00 40.0	2.00	5.00	10.0	20.0
Bromomethane	FB	Ave	34128 986207	61559	162768	299602	530218	1.00 40.0	2.00	5.00	10.0	20.0
Chloroethane	FB	Ave	39044 1374711	76233	194942	364043	691777	1.00 40.0	2.00	5.00	10.0	20.0
Trichlorofluoromethane	FB	Ave	53264 1872605	109640	279258	516118	908849	1.00 40.0	2.00	5.00	10.0	20.0
Acrolein	FB	Ave	55829 2155771	118104	316219	590361	1128836	10.0 400	20.0	50.0	100	200
1,1-Dichloroethene	FB	Ave	49912 1805547	104920	260297	478079	924980	1.00 40.0	2.00	5.00	10.0	20.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	FB	Ave	40608 1447462	81824	195023	370380	705696	1.00 40.0	2.00	5.00	10.0	20.0
Acetone	FB	Lin1	31865 855958	55185	123882	247062	447033	2.00 80.0	4.00	10.0	20.0	40.0
Iodomethane	FB	Ave	79033 2839133	158689	417853	786944	1491127	1.00 40.0	2.00	5.00	10.0	20.0
Carbon disulfide	FB	Ave	147001 6005070	289306	776307	1511067	2906807	1.00 40.0	2.00	5.00	10.0	20.0
Acetonitrile	FB	Ave	33234 1342771	72167	188394	344829	650587	10.0 400	20.0	50.0	100	200
Methyl acetate	FB	Ave	74236 2638039	145700	403759	716425	1371027	2.00 80.0	4.00	10.0	20.0	40.0
Methylene Chloride	FB	Lin1	98498 2066270	153419	332847	579966	1075839	1.00 40.0	2.00	5.00	10.0	20.0
2-Methyl-2-propanol	FB	Ave	42011 1530596	96112	253376	450805	858644	20.0 800	40.0	100	200	400

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 68811

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/14/2012 15:32 Calibration End Date: 12/14/2012 17:19 Calibration ID: 12853

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Acrylonitrile	FB	Ave	32738 1253177	68221	192143	347593	668258	2.00 80.0	4.00	10.0	20.0	40.0
Methyl tert-butyl ether	FB	Ave	117426 5258214	253570	700832	1345206	2620917	1.00 40.0	2.00	5.00	10.0	20.0
trans-1,2-Dichloroethene	FB	Ave	53022 2013318	107586	281119	537762	1018642	1.00 40.0	2.00	5.00	10.0	20.0
Hexane	FB	Ave	10101 413173	23363	55548	103509	194683	1.00 40.0	2.00	5.00	10.0	20.0
1,1-Dichloroethane	FB	Ave	86603 3344223	180038	464711	882807	1689424	1.00 40.0	2.00	5.00	10.0	20.0
Vinyl acetate	FB	Ave	6515 318877	12565	40276	80180	161200	1.00 40.0	2.00	5.00	10.0	20.0
2-Butanone (MEK)	FB	Ave	35644 1351963	67000	195379	346151	714268	2.00 80.0	4.00	10.0	20.0	40.0
cis-1,2-Dichloroethene	FB	Ave	56243 2151531	111152	301005	570916	1084405	1.00 40.0	2.00	5.00	10.0	20.0
2,2-Dichloropropane	FB	Ave	41719 1839264	88390	247518	465524	912625	1.00 40.0	2.00	5.00	10.0	20.0
Bromochloromethane	FB	Ave	27240 1034113	59224	147118	270865	533012	1.00 40.0	2.00	5.00	10.0	20.0
Tetrahydrofuran	FB	Ave	12370 455243	26729	61864	122366	243391	1.00 40.0	2.00	5.00	10.0	20.0
Chloroform	FB	Ave	88171 3370739	181502	469599	888343	1705669	1.00 40.0	2.00	5.00	10.0	20.0
1,1,1-Trichloroethane	FB	Ave	61698 2516616	127454	343724	653910	1264608	1.00 40.0	2.00	5.00	10.0	20.0
Cyclohexane	FB	Ave	77885 3261330	158733	417191	825127	1579443	1.00 40.0	2.00	5.00	10.0	20.0
1,1-Dichloropropene	FB	Ave	60486 2605682	130002	348272	656670	1290438	1.00 40.0	2.00	5.00	10.0	20.0
Carbon tetrachloride	FB	Ave	55305 2264034	108482	290391	568496	1092712	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dichloroethane	FB	Ave	59264 2404196	125575	332746	621111	1194163	1.00 40.0	2.00	5.00	10.0	20.0
Benzene	FB	Ave	212719 8285150	419287	1116074	2072804	4039822	1.00 40.0	2.00	5.00	10.0	20.0
Trichloroethene	FB	Ave	53655 2092163	105370	288125	535904	1047905	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dichloropropane	FB	Ave	43830 1874945	88848	246855	475830	924602	1.00 40.0	2.00	5.00	10.0	20.0
Methylcyclohexane	FB	Ave	66442 2913559	139383	363431	723017	1401580	1.00 40.0	2.00	5.00	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 68811

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/14/2012 15:32 Calibration End Date: 12/14/2012 17:19 Calibration ID: 12853

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dibromomethane	FB	Ave	28558 1070356	52642	147000	278287	532813	1.00 40.0	2.00	5.00	10.0	20.0
1,4-Dioxane	FB	Ave	11215 546333	23007	86141	152231	320231	50.0 2000	100	250	500	1000
Bromodichloromethane	FB	Ave	53902 2444656	105852	299266	585738	1152209	1.00 40.0	2.00	5.00	10.0	20.0
2-Chloroethyl vinyl ether	FB	Ave	40924 2178949	83867	248859	499763	1041269	2.00 80.0	4.00	10.0	20.0	40.0
cis-1,3-Dichloropropene	FB	Ave	56936 2939323	115070	342339	683552	1394385	1.00 40.0	2.00	5.00	10.0	20.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	61798 2986828	137346	377538	730318	1499585	2.00 80.0	4.00	10.0	20.0	40.0
Toluene	CBZ	Ave	201223 8918073	391475	1115595	2181955	4260011	1.00 40.0	2.00	5.00	10.0	20.0
trans-1,3-Dichloropropene	CBZ	Ave	47071 2627978	96889	285077	587888	1219585	1.00 40.0	2.00	5.00	10.0	20.0
Ethyl methacrylate	CBZ	Lin1	38268 2402128	80366	253577	547095	1106263	1.00 40.0	2.00	5.00	10.0	20.0
1,1,2-Trichloroethane	CBZ	Ave	40879 1626165	80829	221646	415376	784752	1.00 40.0	2.00	5.00	10.0	20.0
1,3-Dichloropropane	CBZ	Ave	68872 2941228	139604	371448	719931	1411177	1.00 40.0	2.00	5.00	10.0	20.0
Tetrachloroethene	CBZ	Ave	41752 1743486	85777	233887	436221	842392	1.00 40.0	2.00	5.00	10.0	20.0
2-Hexanone	CBZ	Ave	38833 2011555	85516	246809	501002	1006319	2.00 80.0	4.00	10.0	20.0	40.0
Dibromochloromethane	CBZ	Ave	35521 1943180	71354	220689	449306	883263	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dibromoethane	CBZ	Ave	37474 1681754	77017	215997	411739	815423	1.00 40.0	2.00	5.00	10.0	20.0
Chlorobenzene	CBZ	Ave	140412 5763785	267494	718279	1393142	2721158	1.00 40.0	2.00	5.00	10.0	20.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	44156 2009188	88467	249379	491018	977329	1.00 40.0	2.00	5.00	10.0	20.0
Ethylbenzene	CBZ	Ave	63206 3122357	130191	375534	738252	1460383	1.00 40.0	2.00	5.00	10.0	20.0
m-Xylene & p-Xylene	CBZ	Ave	153782 8029139	333111	950545	1880784	3701497	2.00 80.0	4.00	10.0	20.0	40.0
o-Xylene	CBZ	Ave	78906 3786625	151628	452161	919839	1785939	1.00 40.0	2.00	5.00	10.0	20.0
Styrene	CBZ	Ave	116186 6580880	251304	746678	1511468	3006905	1.00 40.0	2.00	5.00	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 68811

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/14/2012 15:32 Calibration End Date: 12/14/2012 17:19 Calibration ID: 12853

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Bromoform	CBZ	Ave	21983 1257632	50523	139362	281993	593612	1.00 40.0	2.00	5.00	10.0	20.0
Isopropylbenzene	CBZ	Ave	180463 9434871	383482	1092782	2200056	4414441	1.00 40.0	2.00	5.00	10.0	20.0
1,1,2,2-Tetrachloroethane	DCB	Ave	57603 2103601	116917	291936	582186	1112923	1.00 40.0	2.00	5.00	10.0	20.0
Bromobenzene	DCB	Ave	57702 2512184	120378	312609	613898	1195678	1.00 40.0	2.00	5.00	10.0	20.0
1,2,3-Trichloropropane	DCB	Ave	17288 689742	39531	95077	192099	367359	1.00 40.0	2.00	5.00	10.0	20.0
trans-1,4-Dichloro-2-butene	DCB	Ave	12169 627324	26124	72004	143098	291069	1.00 40.0	2.00	5.00	10.0	20.0
N-Propylbenzene	DCB	Ave	50472 2575518	106115	304646	635760	1202925	1.00 40.0	2.00	5.00	10.0	20.0
2-Chlorotoluene	DCB	Ave	52302 2291217	106035	291871	576466	1105775	1.00 40.0	2.00	5.00	10.0	20.0
1,3,5-Trimethylbenzene	DCB	Ave	138525 7282720	313803	897255	1826608	3538007	1.00 40.0	2.00	5.00	10.0	20.0
4-Chlorotoluene	DCB	Ave	53322 2495788	114832	304121	615149	1200376	1.00 40.0	2.00	5.00	10.0	20.0
tert-Butylbenzene	DCB	Ave	132732 6582408	292170	828302	1511971	2984266	1.00 40.0	2.00	5.00	10.0	20.0
1,2,4-Trimethylbenzene	DCB	Ave	145206 7368168	324423	916215	1879912	3628284	1.00 40.0	2.00	5.00	10.0	20.0
sec-Butylbenzene	DCB	Ave	165282 7782442	361742	1006256	2000156	3886899	1.00 40.0	2.00	5.00	10.0	20.0
1,3-Dichlorobenzene	DCB	Ave	107876 4452897	222909	591644	1133384	2221454	1.00 40.0	2.00	5.00	10.0	20.0
4-Isopropyltoluene	DCB	Ave	136793 6703826	305478	853074	1724457	3363069	1.00 40.0	2.00	5.00	10.0	20.0
1,4-Dichlorobenzene	DCB	Ave	126220 4675040	245211	623927	1207911	2378436	1.00 40.0	2.00	5.00	10.0	20.0
n-Butylbenzene	DCB	Ave	117119 5309751	241423	668858	1351363	2670295	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dichlorobenzene	DCB	Ave	108086 4020924	213261	574232	1107131	2114347	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	8751 267693	16687	46693	90506	176060	1.00 40.0	2.00	5.00	10.0	20.0
1,3,5-Trichlorobenzene	DCB	Ave	60296 1891087	124291	324767	619057	1145528	1.00 40.0	2.00	5.00	10.0	20.0
1,2,4-Trichlorobenzene	DCB	Ave	51604 1524561	109926	277130	535668	1033524	1.00 40.0	2.00	5.00	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 68811

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/14/2012 15:32 Calibration End Date: 12/14/2012 17:19 Calibration ID: 12853

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Hexachlorobutadiene	DCB	Ave	28628 +++++	58229	128818	235730	407272	1.00 +++++	2.00	5.00	10.0	20.0
Naphthalene	DCB	Ave	109730 3528569	243498	709007	1422425	2771695	1.00 40.0	2.00	5.00	10.0	20.0
1,2,3-Trichlorobenzene	DCB	Ave	50318 +++++	102615	271329	501922	900936	1.00 +++++	2.00	5.00	10.0	20.0
Dibromofluoromethane (Surr)	FB	Ave	42158 1735851	86392	251766	480236	884388	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	49683 2013493	106682	283109	561592	1012260	1.00 40.0	2.00	5.00	10.0	20.0
Toluene-d8 (Surr)	CBZ	Ave	153502 7239634	318950	924741	1829193	3419440	1.00 40.0	2.00	5.00	10.0	20.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	55001 2512201	113500	320732	639616	1210691	1.00 40.0	2.00	5.00	10.0	20.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1400.D
Lims ID: STD8260 L6 Client ID:
Inject. Date: 14-Dec-2012 15:32:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 240-0015869-002
Misc. Info.: P21214A-IC,8260LLUX10,,1904 =P21214A-IC,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 1
Lims Batch ID: 68811 Lims Sample ID: 2
Sublist: chrom-8260_10*sub25
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121214-15869.b\8260_10.m
Last Update: 17-Dec-2012 09:35:32 Calib Date: 14-Dec-2012 19:27:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK031

First Level Reviewer: quayler Date: 14-Dec-2012 16:52:39

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.203	5.206	-0.003	100	1830513	10.0	
* 2 Chlorobenzene-d5	117	7.878	7.880	-0.002	82	1330181	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.126	10.129	-0.003	91	755485	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.635	4.636	-0.001	67	1735851	40.5	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.919	4.920	-0.001	0	2013493	40.3	
$ 7 Toluene-d8 (Surr)	98	6.564	6.565	-0.001	92	7239634	42.0	
$ 8 4-Bromofluorobenzene (Surr)	95	8.990	8.991	-0.001	93	2512201	41.5	
12 Dichlorodifluoromethane	85	1.559	1.560	-0.001	88	1465250	43.3	
13 Chloromethane	50	1.701	1.690	0.011	100	2421494	40.1	
14 Vinyl chloride	62	1.795	1.796	-0.001	97	2448503	40.7	
16 Bromomethane	94	2.091	2.080	0.011	90	986207	35.0	
17 Chloroethane	64	2.174	2.163	0.011	95	1374711	39.3	
19 Trichlorofluoromethane	101	2.399	2.388	0.011	98	1872605	38.5	
21 Acrolein	56	2.707	2.707	0.0	95	2155771	392.9	
23 1,1-Dichloroethene	96	2.813	2.814	-0.001	89	1805547	38.9	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.825	2.826	-0.001	83	1447462	40.0	
24 Acetone	43	2.825	2.826	-0.001	85	855958	80.0	
26 Iodomethane	142	2.943	2.944	-0.001	96	2839133	38.6	
27 Carbon disulfide	76	3.014	3.003	0.011	99	6005070	42.5	
28 Acetonitrile	41	3.050	3.051	-0.001	98	1342771	409.6	
30 Methyl acetate	43	3.109	3.098	0.011	96	2638039	77.0	
31 Methylene Chloride	84	3.204	3.193	0.011	91	2066270	40.4	
32 2-Methyl-2-propanol	59	3.263	3.264	-0.001	98	1530596	727.2	
33 Acrylonitrile	53	3.381	3.382	-0.001	98	1253177	77.6	
35 Methyl tert-butyl ether	73	3.428	3.429	-0.001	88	5258214	42.6	
34 trans-1,2-Dichloroethene	96	3.428	3.429	-0.001	65	2013318	40.1	
36 Hexane	86	3.665	3.666	-0.001	92	413173	41.3	
37 1,1-Dichloroethane	63	3.772	3.772	0.0	97	3344223	40.2	
38 Vinyl acetate	86	3.795	3.796	-0.001	97	318877	44.9	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
42 2-Butanone (MEK)	43	4.245	4.246	-0.001	93	1351963	80.6	
43 cis-1,2-Dichloroethene	96	4.245	4.246	-0.001	69	2151531	40.4	
44 2,2-Dichloropropane	77	4.257	4.257	0.0	80	1839264	42.6	
48 Chlorobromomethane	128	4.446	4.447	-0.001	89	1034113	39.5	
49 Tetrahydrofuran	42	4.493	4.494	-0.001	96	455243	39.0	
50 Chloroform	83	4.505	4.494	0.011	82	3370739	40.2	
51 1,1,1-Trichloroethane	97	4.683	4.672	0.011	93	2516616	41.3	
52 Cyclohexane	56	4.742	4.743	-0.001	88	3261330	42.6	
53 1,1-Dichloropropene	75	4.813	4.814	-0.001	94	2605682	42.2	
54 Carbon tetrachloride	117	4.825	4.825	0.0	77	2264034	42.6	
56 1,2-Dichloroethane	62	4.978	4.979	-0.001	46	2404196	41.1	
57 Benzene	78	4.990	4.979	0.011	94	8285150	41.5	
61 Trichloroethene	130	5.523	5.524	-0.001	96	2092163	41.1	
64 1,2-Dichloropropane	63	5.700	5.701	-0.001	91	1874945	42.6	
63 Methylcyclohexane	83	5.700	5.701	-0.001	91	2913559	43.4	
66 Dibromomethane	93	5.807	5.808	-0.001	88	1070356	40.9	
67 1,4-Dioxane	88	5.807	5.808	-0.001	44	546333	2043.4	
68 Dichlorobromomethane	83	5.925	5.926	-0.001	94	2444656	44.9	
70 2-Chloroethyl vinyl ether	63	6.174	6.174	0.0	90	2178949	95.2	
71 cis-1,3-Dichloropropene	75	6.316	6.316	0.0	93	2939323	47.1	
72 4-Methyl-2-pentanone (MIBK)	43	6.446	6.447	-0.001	97	2986828	88.2	
73 Toluene	91	6.635	6.624	0.011	97	8918073	41.9	
74 trans-1,3-Dichloropropene	75	6.801	6.802	-0.001	92	2627978	46.6	
75 Ethyl methacrylate	69	6.872	6.873	-0.001	89	2402128	41.2	
76 1,1,2-Trichloroethane	97	6.966	6.967	-0.001	90	1626165	39.4	
77 1,3-Dichloropropane	76	7.120	7.121	-0.001	89	2941228	41.0	
78 Tetrachloroethene	164	7.132	7.133	-0.001	86	1743486	40.1	
79 2-Hexanone	43	7.191	7.192	-0.001	96	2011555	85.7	
81 Chlorodibromomethane	129	7.333	7.334	-0.001	90	1943180	46.1	
83 Ethylene Dibromide	107	7.452	7.452	0.0	98	1681754	41.4	
85 Chlorobenzene	112	7.913	7.914	-0.001	97	5763785	41.2	
86 1,1,1,2-Tetrachloroethane	131	7.984	7.973	0.011	89	2009188	42.0	
87 Ethylbenzene	106	8.008	8.008	0.0	97	3122357	43.7	
88 m-Xylene & p-Xylene	106	8.114	8.115	-0.001	99	8029139	88.8	
89 o-Xylene	106	8.493	8.494	-0.001	91	3786625	43.5	
90 Styrene	104	8.505	8.505	0.0	93	6580880	46.1	
91 Bromoform	173	8.682	8.683	-0.001	98	1257632	45.9	
92 Isopropylbenzene	105	8.848	8.849	-0.001	94	9434871	44.6	
95 1,1,2,2-Tetrachloroethane	83	9.108	9.109	-0.001	88	2103601	39.1	
96 Bromobenzene	156	9.144	9.144	0.0	92	2512184	43.6	
97 1,2,3-Trichloropropane	110	9.155	9.156	-0.001	76	689742	39.4	
98 trans-1,4-Dichloro-2-butene	53	9.167	9.168	-0.001	74	627324	47.1	
99 N-Propylbenzene	120	9.250	9.239	0.011	97	2575518	46.2	
100 2-Chlorotoluene	126	9.333	9.334	-0.001	95	2291217	43.4	
101 1,3,5-Trimethylbenzene	105	9.416	9.417	-0.001	93	7282720	45.3	
102 4-Chlorotoluene	126	9.439	9.440	-0.001	97	2495788	44.4	
103 tert-Butylbenzene	119	9.735	9.736	-0.001	90	6582408	45.8	
104 1,2,4-Trimethylbenzene	105	9.783	9.783	0.0	72	7368168	44.7	
105 sec-Butylbenzene	105	9.948	9.949	-0.001	93	7782442	43.4	
106 1,3-Dichlorobenzene	146	10.067	10.067	0.0	97	4452897	41.8	
107 4-Isopropyltoluene	119	10.090	10.091	-0.001	97	6703826	43.8	
108 1,4-Dichlorobenzene	146	10.149	10.150	-0.001	95	4675040	40.5	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
110 n-Butylbenzene	91	10.504	10.493	0.011	94	5309751	43.5	
111 1,2-Dichlorobenzene	146	10.516	10.517	-0.001	98	4020924	39.4	
112 1,2-Dibromo-3-Chloropropane	157	11.285	11.286	-0.001	87	267693	33.3	
113 1,3,5-Trichlorobenzene	180	11.510	11.511	-0.001	97	1891087	33.9	
114 1,2,4-Trichlorobenzene	180	12.125	12.126	-0.001	94	1524561	31.7	
115 Hexachlorobutadiene	225	12.303	12.304	-0.001	94	464400	19.4	
116 Naphthalene	128	12.374	12.375	-0.001	100	3528569	30.2	
117 1,2,3-Trichlorobenzene	180	12.622	12.623	-0.001	99	1039150	22.1	
S 119 Trihalomethanes, Total	1				0		177.0	
S 120 1,2-Dichloroethene, Total	96				0		80.4	
S 121 1,3-Dichloropropene, Total	75				0		93.7	
S 122 Xylenes, Total	106				0		132.3	

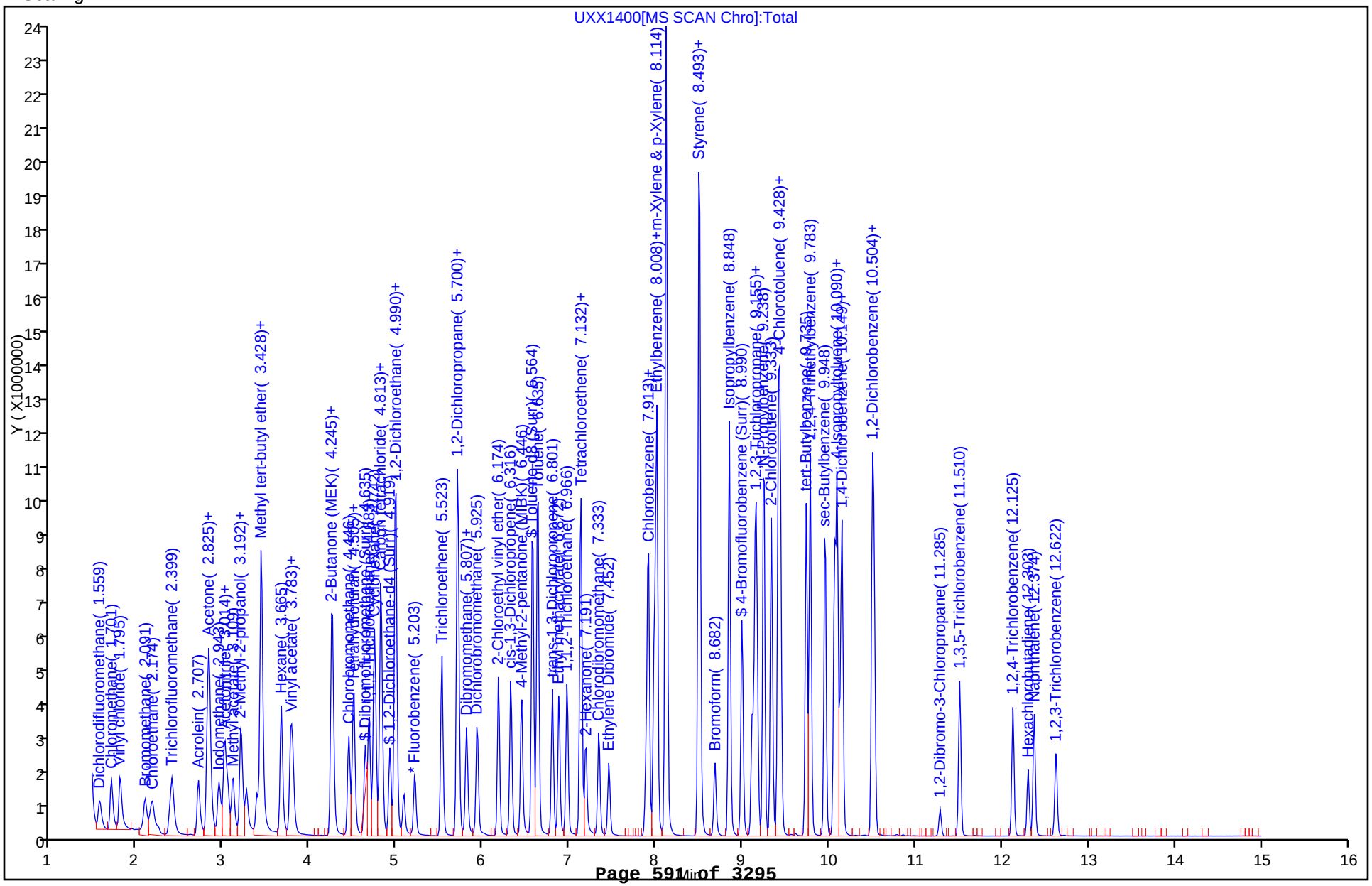
Report Date: 17-Dec-2012 09:35:33 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1400.D

Injection Date:	14-Dec-2012 15:32:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	68811	Lims Sample ID:	2
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1401.D
Lims ID: STD8260 L5 Client ID:
Inject. Date: 14-Dec-2012 15:53:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0015869-003
Misc. Info.: P21214A-IC,8260LLUX10,,1904 =P21214A-IC,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 2
Lims Batch ID: 68811 Lims Sample ID: 3
Sublist: chrom-8260_10*sub25
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121214-15869.b\8260_10.m
Last Update: 17-Dec-2012 09:35:33 Calib Date: 14-Dec-2012 19:27:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK031

First Level Reviewer: quayler Date: 14-Dec-2012 16:52:48

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.204	5.206	-0.002	99	1900330	10.0	
* 2 Chlorobenzene-d5	117	7.879	7.880	-0.001	82	1301576	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.127	10.129	-0.002	80	793511	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.636	4.636	0.0	59	884388	19.9	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.920	4.920	0.0	0	1012260	19.5	
$ 7 Toluene-d8 (Surr)	98	6.565	6.565	0.0	90	3419440	20.3	
$ 8 4-Bromofluorobenzene (Surr)	95	8.991	8.991	0.0	93	1210691	20.4	
12 Dichlorodifluoromethane	85	1.560	1.560	0.0	88	701197	20.0	
13 Chloromethane	50	1.690	1.690	0.0	99	1197291	19.1	
14 Vinyl chloride	62	1.797	1.796	0.001	94	1189219	19.1	
16 Bromomethane	94	2.081	2.080	0.001	89	530218	18.1	
17 Chloroethane	64	2.163	2.163	0.0	99	691777	19.0	
19 Trichlorofluoromethane	101	2.388	2.388	0.0	87	908849	18.0	
21 Acrolein	56	2.696	2.707	-0.011	95	1128836	198.2	
23 1,1-Dichloroethene	96	2.814	2.814	0.0	96	924980	19.2	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.826	2.826	0.0	94	705696	18.8	
24 Acetone	43	2.826	2.826	0.0	93	447033	39.8	
26 Iodomethane	142	2.944	2.944	0.0	96	1491127	19.5	
27 Carbon disulfide	76	3.004	3.003	0.001	99	2906807	19.8	
28 Acetonitrile	41	3.051	3.051	0.0	95	650587	191.2	
30 Methyl acetate	43	3.098	3.098	0.0	95	1371027	38.5	
31 Methylene Chloride	84	3.193	3.193	0.0	88	1075839	19.8	
32 2-Methyl-2-propanol	59	3.264	3.264	0.0	94	858644	393.0	
33 Acrylonitrile	53	3.382	3.382	0.0	100	668258	39.8	
35 Methyl tert-butyl ether	73	3.430	3.429	0.001	88	2620917	20.5	
34 trans-1,2-Dichloroethene	96	3.430	3.429	0.001	67	1018642	19.5	
36 Hexane	86	3.666	3.666	0.0	92	194683	18.7	
37 1,1-Dichloroethane	63	3.773	3.772	0.001	85	1689424	19.6	
38 Vinyl acetate	86	3.796	3.796	0.0	96	161200	21.9	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
42 2-Butanone (MEK)	43	4.246	4.246	0.0	68	714268	41.0	
43 cis-1,2-Dichloroethene	96	4.246	4.246	0.0	84	1084405	19.6	
44 2,2-Dichloropropane	77	4.258	4.257	0.001	88	912625	20.3	
48 Chlorobromomethane	128	4.447	4.447	0.0	91	533012	19.6	
49 Tetrahydrofuran	42	4.494	4.494	0.0	94	243391	20.1	
50 Chloroform	83	4.494	4.494	0.0	93	1705669	19.6	
51 1,1,1-Trichloroethane	97	4.672	4.672	0.0	91	1264608	20.0	
52 Cyclohexane	56	4.743	4.743	0.0	88	1579443	19.9	
53 1,1-Dichloropropene	75	4.814	4.814	0.0	94	1290438	20.1	
54 Carbon tetrachloride	117	4.826	4.825	0.001	79	1092712	19.8	
56 1,2-Dichloroethane	62	4.980	4.979	0.001	52	1194163	19.7	
57 Benzene	78	4.980	4.979	0.001	94	4039822	19.5	
61 Trichloroethene	130	5.524	5.524	0.0	95	1047905	19.8	
64 1,2-Dichloropropane	63	5.701	5.701	0.0	77	924602	20.2	
63 Methylcyclohexane	83	5.701	5.701	0.0	87	1401580	20.1	
66 Dibromomethane	93	5.808	5.808	0.0	88	532813	19.6	
67 1,4-Dioxane	88	5.808	5.808	0.0	88	320231	1153.7	
68 Dichlorobromomethane	83	5.926	5.926	0.0	94	1152209	20.4	
70 2-Chloroethyl vinyl ether	63	6.175	6.174	0.001	92	1041269	43.8	
71 cis-1,3-Dichloropropene	75	6.317	6.316	0.001	92	1394385	21.5	
72 4-Methyl-2-pentanone (MIBK)	43	6.447	6.447	0.0	96	1499585	42.6	
73 Toluene	91	6.624	6.624	0.0	98	4260011	20.5	
74 trans-1,3-Dichloropropene	75	6.802	6.802	0.0	88	1219585	22.1	
75 Ethyl methacrylate	69	6.873	6.873	0.0	89	1106263	19.7	
76 1,1,2-Trichloroethane	97	6.968	6.967	0.001	85	784752	19.4	
77 1,3-Dichloropropane	76	7.121	7.121	0.0	92	1411177	20.1	
78 Tetrachloroethene	164	7.133	7.133	0.0	91	842392	19.8	
79 2-Hexanone	43	7.181	7.192	-0.011	95	1006319	43.8	
81 Chlorodibromomethane	129	7.334	7.334	0.0	89	883263	21.4	
83 Ethylene Dibromide	107	7.453	7.452	0.001	98	815423	20.5	
85 Chlorobenzene	112	7.914	7.914	0.0	97	2721158	19.9	
86 1,1,1,2-Tetrachloroethane	131	7.973	7.973	0.0	89	977329	20.9	
87 Ethylbenzene	106	8.009	8.008	0.001	97	1460383	20.9	
88 m-Xylene & p-Xylene	106	8.115	8.115	0.0	99	3701497	41.8	
89 o-Xylene	106	8.494	8.494	0.0	89	1785939	21.0	
90 Styrene	104	8.506	8.505	0.001	93	3006905	21.5	
91 Bromoform	173	8.683	8.683	0.0	99	593612	22.1	
92 Isopropylbenzene	105	8.849	8.849	0.0	94	4414441	21.3	
95 1,1,2,2-Tetrachloroethane	83	9.109	9.109	0.0	94	1112923	19.7	
96 Bromobenzene	156	9.145	9.144	0.001	91	1195678	19.8	
97 1,2,3-Trichloropropane	110	9.157	9.156	0.001	73	367359	20.0	
98 trans-1,4-Dichloro-2-butene	53	9.168	9.168	0.0	73	291069	20.8	
99 N-Propylbenzene	120	9.239	9.239	0.0	97	1202925	20.5	
100 2-Chlorotoluene	126	9.334	9.334	0.0	97	1105775	19.9	
101 1,3,5-Trimethylbenzene	105	9.417	9.417	0.0	91	3538007	21.0	
102 4-Chlorotoluene	126	9.441	9.440	0.001	96	1200376	20.3	
103 tert-Butylbenzene	119	9.736	9.736	0.0	88	2984266	19.8	
104 1,2,4-Trimethylbenzene	105	9.784	9.783	0.001	85	3628284	20.9	
105 sec-Butylbenzene	105	9.949	9.949	0.0	92	3886899	20.6	
106 1,3-Dichlorobenzene	146	10.068	10.067	0.001	87	2221454	19.9	
107 4-Isopropyltoluene	119	10.091	10.091	0.0	97	3363069	20.9	
108 1,4-Dichlorobenzene	146	10.151	10.150	0.001	95	2378436	19.6	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
110 n-Butylbenzene	91	10.494	10.493	0.001	95	2670295	20.8	
111 1,2-Dichlorobenzene	146	10.517	10.517	0.0	98	2114347	19.7	
112 1,2-Dibromo-3-Chloropropane	157	11.287	11.286	0.001	86	176060	20.8	
113 1,3,5-Trichlorobenzene	180	11.511	11.511	0.0	97	1145528	19.5	
114 1,2,4-Trichlorobenzene	180	12.127	12.126	0.001	94	1033524	20.4	
115 Hexachlorobutadiene	225	12.304	12.304	0.0	92	407272	16.2	
116 Naphthalene	128	12.375	12.375	0.0	100	2771695	22.6	
117 1,2,3-Trichlorobenzene	180	12.624	12.623	0.001	99	900936	18.2	
S 119 Trihalomethanes, Total	1				0		83.5	
S 120 1,2-Dichloroethene, Total	96				0		39.1	
S 121 1,3-Dichloropropene, Total	75				0		43.6	
S 122 Xylenes, Total	106				0		62.8	

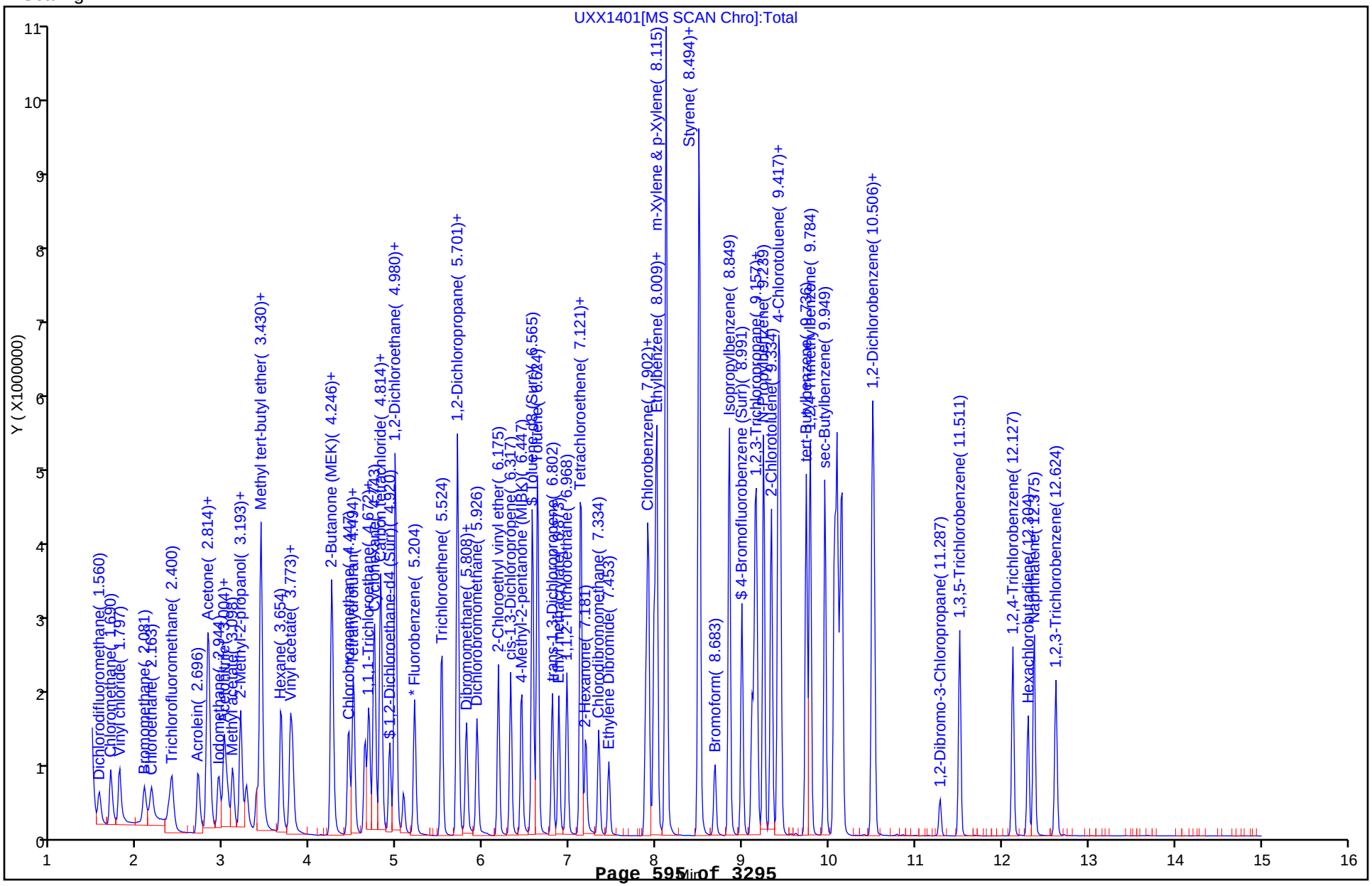
Report Date: 17-Dec-2012 09:35:33 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1401.D

Injection Date:	14-Dec-2012 15:53:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	68811	Lims Sample ID:	3
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1402.D
Lims ID: STD8260 L4 Client ID:
Inject. Date: 14-Dec-2012 16:15:30 Dil. Factor: 1.0000
Sample Type: ICIS Calib Level: 4
Sample ID: 240-0015869-004
Misc. Info.: P21214A-IC,8260LLUX10,,1904 =P21214A-IC,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 3
Lims Batch ID: 68811 Lims Sample ID: 4
Sublist: chrom-8260_10*sub25
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121214-15869.b\8260_10.m
Last Update: 17-Dec-2012 09:35:34 Calib Date: 14-Dec-2012 19:27:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK031

First Level Reviewer: quayler Date: 14-Dec-2012 16:52:59

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.204	5.204	0.0	99	1972714	10.0	
* 2 Chlorobenzene-d5	117	7.878	7.878	0.0	83	1372066	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.127	10.127	0.0	91	826025	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.636	4.636	0.0	59	480236	10.4	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.920	4.920	0.0	0	561592	10.4	
$ 7 Toluene-d8 (Surr)	98	6.565	6.565	0.0	93	1829193	10.3	
$ 8 4-Bromofluorobenzene (Surr)	95	8.991	8.991	0.0	93	639616	10.2	
12 Dichlorodifluoromethane	85	1.560	1.560	0.0	97	367469	10.1	
13 Chloromethane	50	1.690	1.690	0.0	88	640285	9.83	
14 Vinyl chloride	62	1.796	1.796	0.0	97	637089	9.84	
16 Bromomethane	94	2.080	2.080	0.0	89	299602	9.86	
17 Chloroethane	64	2.163	2.163	0.0	100	364043	9.65	
19 Trichlorofluoromethane	101	2.388	2.388	0.0	96	516118	9.85	
21 Acrolein	56	2.707	2.707	0.0	96	590361	99.8	
23 1,1-Dichloroethene	96	2.814	2.814	0.0	97	478079	9.56	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.826	2.826	0.0	86	370380	9.49	
24 Acetone	43	2.826	2.826	0.0	61	247062	20.8	
26 Iodomethane	142	2.944	2.944	0.0	96	786944	9.92	
27 Carbon disulfide	76	3.003	3.003	0.0	99	1511067	9.92	
28 Acetonitrile	41	3.051	3.051	0.0	95	344829	97.6	
30 Methyl acetate	43	3.098	3.098	0.0	95	716425	19.4	
31 Methylene Chloride	84	3.193	3.193	0.0	90	579966	9.85	
32 2-Methyl-2-propanol	59	3.264	3.264	0.0	96	450805	198.8	
33 Acrylonitrile	53	3.382	3.382	0.0	100	347593	20.0	
35 Methyl tert-butyl ether	73	3.429	3.429	0.0	89	1345206	10.1	
34 trans-1,2-Dichloroethene	96	3.429	3.429	0.0	65	537762	9.93	
36 Hexane	86	3.666	3.666	0.0	92	103509	9.60	
37 1,1-Dichloroethane	63	3.772	3.772	0.0	97	882807	9.86	
38 Vinyl acetate	86	3.796	3.796	0.0	96	80180	10.5	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
42 2-Butanone (MEK)	43	4.246	4.246	0.0	57	346151	19.1	
43 cis-1,2-Dichloroethene	96	4.246	4.246	0.0	81	570916	9.94	
44 2,2-Dichloropropane	77	4.257	4.257	0.0	88	465524	10.0	
48 Chlorobromomethane	128	4.447	4.447	0.0	92	270865	9.59	
49 Tetrahydrofuran	42	4.494	4.494	0.0	91	122366	9.72	
50 Chloroform	83	4.494	4.494	0.0	92	888343	9.82	
51 1,1,1-Trichloroethane	97	4.672	4.672	0.0	92	653910	9.96	
52 Cyclohexane	56	4.743	4.743	0.0	89	825127	10.0	
53 1,1-Dichloropropene	75	4.814	4.814	0.0	94	656670	9.88	
54 Carbon tetrachloride	117	4.825	4.825	0.0	80	568496	9.93	
56 1,2-Dichloroethane	62	4.979	4.979	0.0	52	621111	9.85	
57 Benzene	78	4.979	4.979	0.0	94	2072804	9.64	
61 Trichloroethene	130	5.524	5.524	0.0	96	535904	9.76	
64 1,2-Dichloropropane	63	5.701	5.701	0.0	81	475830	10.0	
63 Methylcyclohexane	83	5.701	5.701	0.0	90	723017	10.0	
66 Dibromomethane	93	5.808	5.808	0.0	92	278287	9.87	
67 1,4-Dioxane	88	5.808	5.808	0.0	90	152231	528.3	
68 Dichlorobromomethane	83	5.926	5.926	0.0	94	585738	9.99	
70 2-Chloroethyl vinyl ether	63	6.174	6.174	0.0	90	499763	20.3	
71 cis-1,3-Dichloropropene	75	6.316	6.316	0.0	92	683552	10.2	
72 4-Methyl-2-pentanone (MIBK)	43	6.447	6.447	0.0	96	730318	20.0	
73 Toluene	91	6.624	6.624	0.0	95	2181955	9.94	
74 trans-1,3-Dichloropropene	75	6.802	6.802	0.0	92	587888	10.1	
75 Ethyl methacrylate	69	6.873	6.873	0.0	88	547095	9.48	
76 1,1,2-Trichloroethane	97	6.967	6.967	0.0	90	415376	9.76	
77 1,3-Dichloropropane	76	7.121	7.121	0.0	94	719931	9.74	
78 Tetrachloroethene	164	7.133	7.133	0.0	92	436221	9.72	
79 2-Hexanone	43	7.192	7.192	0.0	95	501002	20.7	
81 Chlorodibromomethane	129	7.334	7.334	0.0	88	449306	10.3	
83 Ethylene Dibromide	107	7.452	7.452	0.0	98	411739	9.84	
85 Chlorobenzene	112	7.914	7.914	0.0	97	1393142	9.65	
86 1,1,1,2-Tetrachloroethane	131	7.973	7.973	0.0	85	491018	9.95	
87 Ethylbenzene	106	8.008	8.008	0.0	97	738252	10.0	
88 m-Xylene & p-Xylene	106	8.115	8.115	0.0	100	1880784	20.2	
89 o-Xylene	106	8.494	8.494	0.0	90	919839	10.3	
90 Styrene	104	8.505	8.505	0.0	93	1511468	10.3	
91 Bromoform	173	8.683	8.683	0.0	99	281993	9.97	
92 Isopropylbenzene	105	8.849	8.849	0.0	94	2200056	10.1	
95 1,1,2,2-Tetrachloroethane	83	9.109	9.109	0.0	88	582186	9.89	
96 Bromobenzene	156	9.144	9.144	0.0	90	613898	9.75	
97 1,2,3-Trichloropropane	110	9.156	9.156	0.0	76	192099	10.0	
98 trans-1,4-Dichloro-2-butene	53	9.168	9.168	0.0	75	143098	9.83	
99 N-Propylbenzene	120	9.239	9.239	0.0	97	635760	10.4	
100 2-Chlorotoluene	126	9.334	9.334	0.0	97	576466	9.99	
101 1,3,5-Trimethylbenzene	105	9.417	9.417	0.0	93	1826608	10.4	
102 4-Chlorotoluene	126	9.440	9.440	0.0	98	615149	10.0	
103 tert-Butylbenzene	119	9.736	9.736	0.0	89	1511971	9.62	
104 1,2,4-Trimethylbenzene	105	9.783	9.783	0.0	85	1879912	10.4	
105 sec-Butylbenzene	105	9.949	9.949	0.0	92	2000156	10.2	
106 1,3-Dichlorobenzene	146	10.067	10.067	0.0	87	1133384	9.74	
107 4-Isopropyltoluene	119	10.091	10.091	0.0	97	1724457	10.3	
108 1,4-Dichlorobenzene	146	10.150	10.150	0.0	94	1207911	9.57	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
110 n-Butylbenzene	91	10.493	10.493	0.0	97	1351363	10.1	
111 1,2-Dichlorobenzene	146	10.517	10.517	0.0	99	1107131	9.92	
112 1,2-Dibromo-3-Chloropropane	157	11.286	11.286	0.0	78	90506	10.3	
113 1,3,5-Trichlorobenzene	180	11.511	11.511	0.0	97	619057	10.1	
114 1,2,4-Trichlorobenzene	180	12.126	12.126	0.0	93	535668	10.2	
115 Hexachlorobutadiene	225	12.304	12.304	0.0	96	235730	9.01	
116 Naphthalene	128	12.375	12.375	0.0	100	1422425	11.1	
117 1,2,3-Trichlorobenzene	180	12.623	12.623	0.0	99	501922	9.74	
S 119 Trihalomethanes, Total	1				0		40.1	
S 120 1,2-Dichloroethene, Total	96				0		19.9	
S 121 1,3-Dichloropropene, Total	75				0		20.3	
S 122 Xylenes, Total	106				0		30.4	

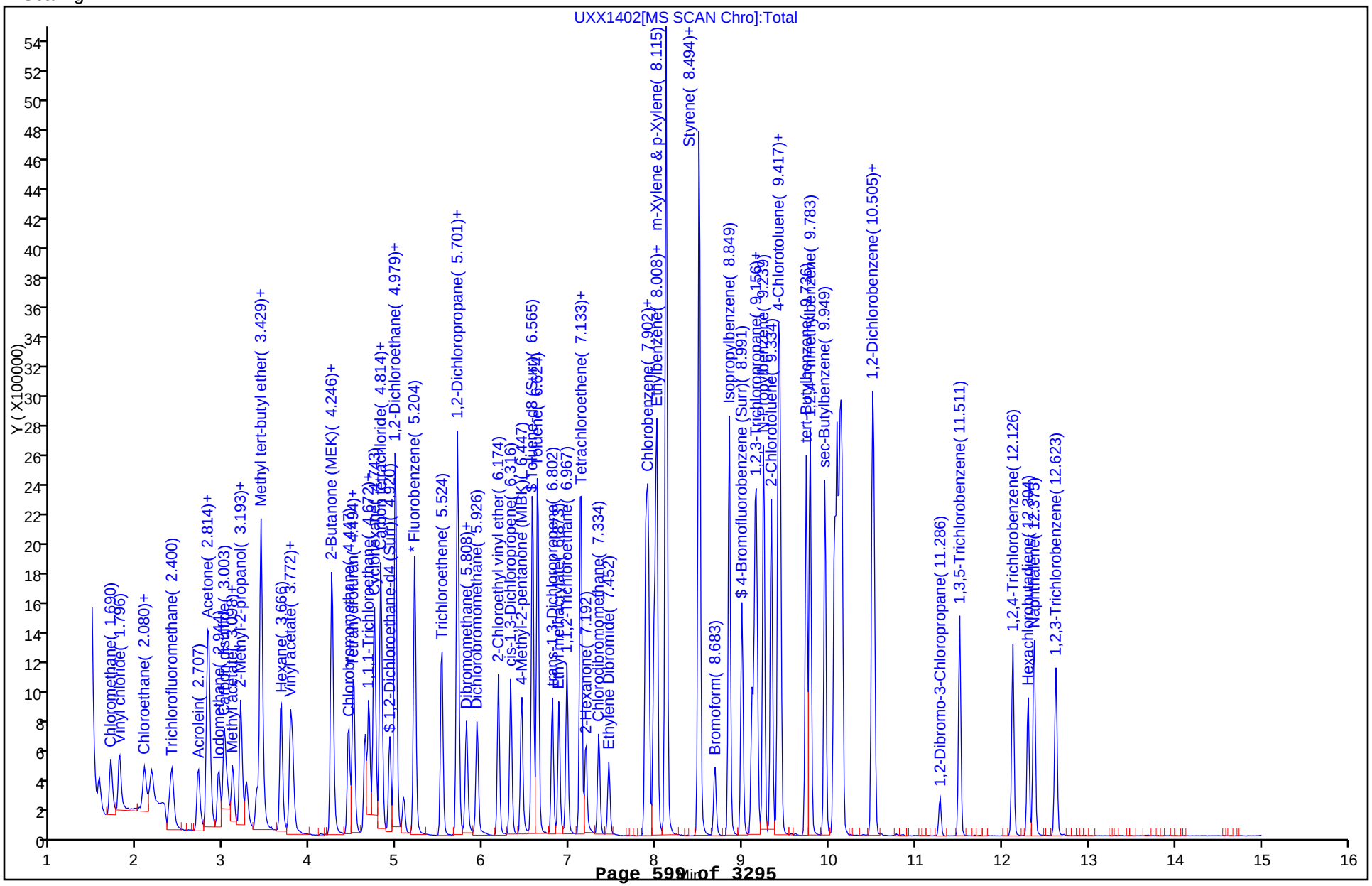
Report Date: 17-Dec-2012 09:35:35 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1402.D

Injection Date:	14-Dec-2012 16:15:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	68811	Lims Sample ID:	4
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1403.D
Lims ID: STD8260 L3 Client ID:
Inject. Date: 14-Dec-2012 16:36:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0015869-005
Misc. Info.: P21214A-IC,8260LLUX10,,1904 =P21214A-IC,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 4
Lims Batch ID: 68811 Lims Sample ID: 5
Sublist: chrom-8260_10*sub25
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121214-15869.b\8260_10.m
Last Update: 17-Dec-2012 09:35:35 Calib Date: 14-Dec-2012 19:27:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK031

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.204	5.204	0.0	99	2090185	10.0	
* 2 Chlorobenzene-d5	117	7.879	7.878	0.001	84	1389898	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.127	10.127	0.0	92	825944	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.636	4.636	0.0	57	251766	5.15	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.920	4.920	0.0	0	283109	4.96	
$ 7 Toluene-d8 (Surr)	98	6.565	6.565	0.0	82	924741	5.14	
$ 8 4-Bromofluorobenzene (Surr)	95	8.991	8.991	0.0	92	320732	5.07	
12 Dichlorodifluoromethane	85	1.560	1.560	0.0	97	195190	5.05	
13 Chloromethane	50	1.690	1.690	0.0	87	319288	4.63	
14 Vinyl chloride	62	1.785	1.796	-0.011	97	334620	4.88	
16 Bromomethane	94	2.081	2.080	0.001	88	162768	5.05	
17 Chloroethane	64	2.163	2.163	0.0	94	194942	4.88	
19 Trichlorofluoromethane	101	2.388	2.388	0.0	95	279258	5.03	
21 Acrolein	56	2.708	2.707	0.001	94	316219	50.5	
23 1,1-Dichloroethene	96	2.814	2.814	0.0	97	260297	4.91	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.826	2.826	0.0	88	195023	4.71	
24 Acetone	43	2.826	2.826	0.0	67	123882	9.34	
26 Iodomethane	142	2.944	2.944	0.0	97	417853	4.97	
27 Carbon disulfide	76	3.004	3.003	0.001	99	776307	4.81	
28 Acetonitrile	41	3.051	3.051	0.0	96	188394	50.3	
30 Methyl acetate	43	3.098	3.098	0.0	96	403759	10.3	
31 Methylene Chloride	84	3.193	3.193	0.0	83	332847	4.92	
32 2-Methyl-2-propanol	59	3.264	3.264	0.0	93	253376	105.4	
33 Acrylonitrile	53	3.382	3.382	0.0	99	192143	10.4	
35 Methyl tert-butyl ether	73	3.430	3.429	0.001	89	700832	4.97	
34 trans-1,2-Dichloroethene	96	3.430	3.429	0.001	67	281119	4.90	
36 Hexane	86	3.666	3.666	0.0	93	55548	4.86	
37 1,1-Dichloroethane	63	3.773	3.772	0.001	96	464711	4.90	
38 Vinyl acetate	86	3.796	3.796	0.0	96	40276	4.97	
42 2-Butanone (MEK)	43	4.246	4.246	0.0	56	195379	10.2	
43 cis-1,2-Dichloroethene	96	4.246	4.246	0.0	67	301005	4.95	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
44 2,2-Dichloropropane	77	4.258	4.257	0.001	74	247518	5.02	
48 Chlorobromomethane	128	4.447	4.447	0.0	88	147118	4.92	
49 Tetrahydrofuran	42	4.494	4.494	0.0	79	61864	4.64	
50 Chloroform	83	4.494	4.494	0.0	92	469599	4.90	
51 1,1,1-Trichloroethane	97	4.672	4.672	0.0	95	343724	4.94	
52 Cyclohexane	56	4.743	4.743	0.0	89	417191	4.78	
53 1,1-Dichloropropene	75	4.814	4.814	0.0	94	348272	4.94	
54 Carbon tetrachloride	117	4.826	4.825	0.001	79	290391	4.79	
56 1,2-Dichloroethane	62	4.980	4.979	0.001	80	332746	4.98	
57 Benzene	78	4.980	4.979	0.001	94	1116074	4.90	
61 Trichloroethene	130	5.524	5.524	0.0	97	288125	4.95	
64 1,2-Dichloropropane	63	5.701	5.701	0.0	77	246855	4.91	
63 Methylcyclohexane	83	5.701	5.701	0.0	86	363431	4.75	
66 Dibromomethane	93	5.808	5.808	0.0	91	147000	4.92	
67 1,4-Dioxane	88	5.808	5.808	0.0	92	86141	282.2	
68 Dichlorobromomethane	83	5.926	5.926	0.0	93	299266	4.82	
70 2-Chloroethyl vinyl ether	63	6.175	6.174	0.001	93	248859	9.53	
71 cis-1,3-Dichloropropene	75	6.317	6.316	0.001	91	342339	4.80	
72 4-Methyl-2-pentanone (MIBK)	43	6.447	6.447	0.0	96	377538	9.76	
73 Toluene	91	6.624	6.624	0.0	99	1115595	5.02	
74 trans-1,3-Dichloropropene	75	6.802	6.802	0.0	89	285077	4.84	
75 Ethyl methacrylate	69	6.873	6.873	0.0	89	253577	4.61	
76 1,1,2-Trichloroethane	97	6.968	6.967	0.001	90	221646	5.14	
77 1,3-Dichloropropane	76	7.121	7.121	0.0	93	371448	4.96	
78 Tetrachloroethene	164	7.133	7.133	0.0	95	233887	5.14	
79 2-Hexanone	43	7.181	7.192	-0.011	95	246809	10.1	
81 Chlorodibromomethane	129	7.334	7.334	0.0	88	220689	5.01	
83 Ethylene Dibromide	107	7.453	7.452	0.001	98	215997	5.09	
85 Chlorobenzene	112	7.914	7.914	0.0	97	718279	4.91	
86 1,1,1,2-Tetrachloroethane	131	7.973	7.973	0.0	82	249379	4.99	
87 Ethylbenzene	106	8.009	8.008	0.001	97	375534	5.03	
88 m-Xylene & p-Xylene	106	8.115	8.115	0.0	99	950545	10.1	
89 o-Xylene	106	8.494	8.494	0.0	94	452161	4.98	
90 Styrene	104	8.506	8.505	0.001	93	746678	5.00	
91 Bromoform	173	8.683	8.683	0.0	98	139362	4.86	
92 Isopropylbenzene	105	8.849	8.849	0.0	95	1092782	4.95	
95 1,1,2,2-Tetrachloroethane	83	9.109	9.109	0.0	95	291936	4.96	
96 Bromobenzene	156	9.145	9.144	0.001	89	312609	4.96	
97 1,2,3-Trichloropropane	110	9.157	9.156	0.001	75	95077	4.97	
98 trans-1,4-Dichloro-2-butene	53	9.168	9.168	0.0	67	72004	4.95	
99 N-Propylbenzene	120	9.239	9.239	0.0	98	304646	5.00	
100 2-Chlorotoluene	126	9.334	9.334	0.0	97	291871	5.06	
101 1,3,5-Trimethylbenzene	105	9.417	9.417	0.0	94	897255	5.11	
102 4-Chlorotoluene	126	9.441	9.440	0.001	96	304121	4.95	
103 tert-Butylbenzene	119	9.736	9.736	0.0	89	828302	5.27	
104 1,2,4-Trimethylbenzene	105	9.784	9.783	0.001	84	916215	5.08	
105 sec-Butylbenzene	105	9.949	9.949	0.0	93	1006256	5.13	
106 1,3-Dichlorobenzene	146	10.068	10.067	0.001	96	591644	5.09	
107 4-Isopropyltoluene	119	10.091	10.091	0.0	94	853074	5.10	
108 1,4-Dichlorobenzene	146	10.151	10.150	0.001	93	623927	4.94	
110 n-Butylbenzene	91	10.494	10.493	0.001	97	668858	5.01	
111 1,2-Dichlorobenzene	146	10.517	10.517	0.0	99	574232	5.14	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
112 1,2-Dibromo-3-Chloropropane	157	11.287	11.286	0.001	74	46693	5.31	
113 1,3,5-Trichlorobenzene	180	11.511	11.511	0.0	98	324767	5.32	
114 1,2,4-Trichlorobenzene	180	12.127	12.126	0.001	89	277130	5.27	
115 Hexachlorobutadiene	225	12.304	12.304	0.0	93	128818	4.92	
116 Naphthalene	128	12.375	12.375	0.0	100	709007	5.55	
117 1,2,3-Trichlorobenzene	180	12.624	12.623	0.001	98	271329	5.27	
S 119 Trihalomethanes, Total	1				0		19.6	
S 120 1,2-Dichloroethene, Total	96				0		9.85	
S 121 1,3-Dichloropropene, Total	75				0		9.64	
S 122 Xylenes, Total	106				0		15.0	

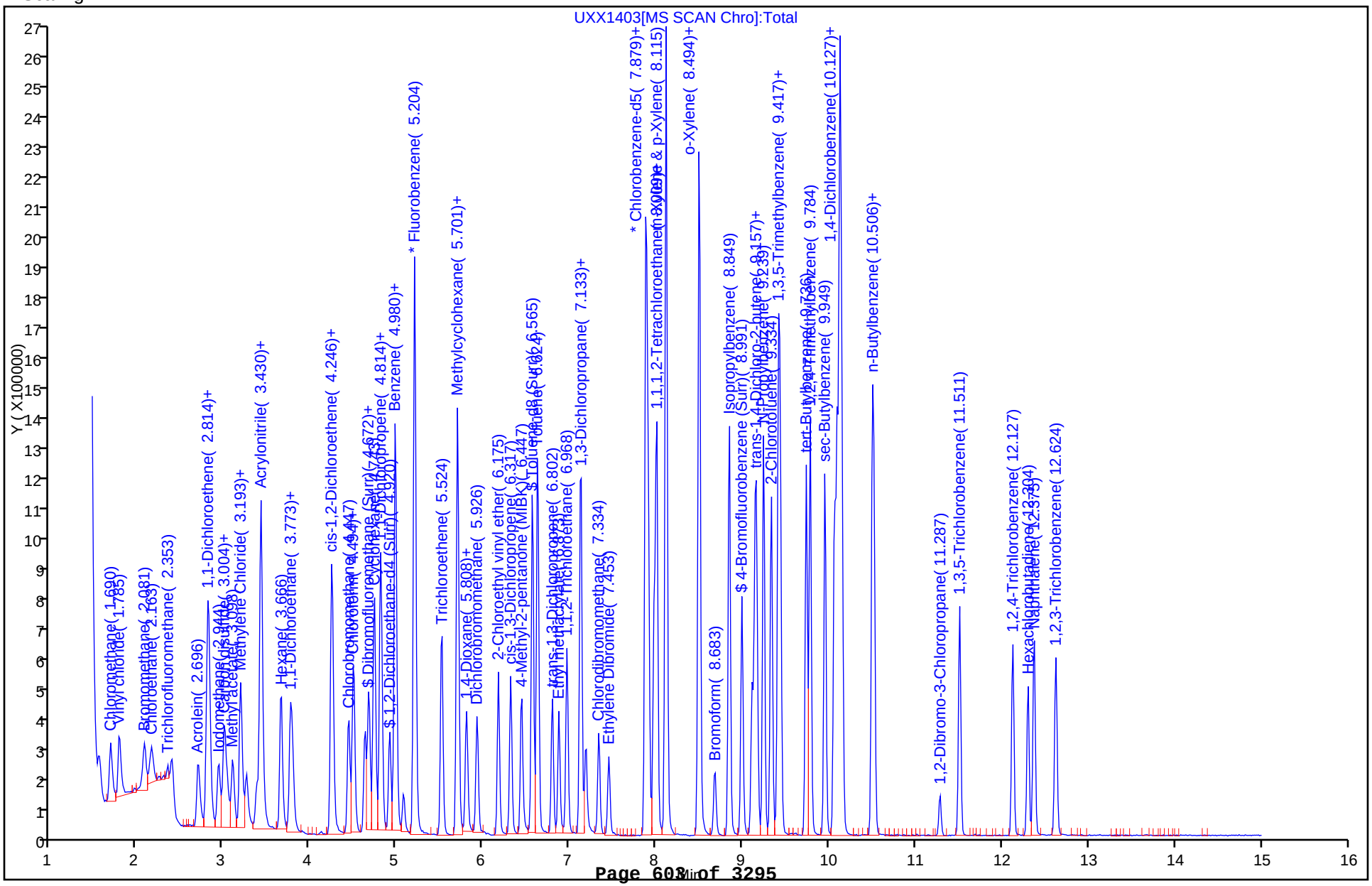
Report Date: 17-Dec-2012 09:35:35 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1403.D

Injection Date:	14-Dec-2012 16:36:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	68811	Lims Sample ID:	5
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1404.D
Lims ID: STD8260 L2 Client ID:
Inject. Date: 14-Dec-2012 16:57:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0015869-006
Misc. Info.: P21214A-IC,8260LLUX10,,1904 =P21214A-IC,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 5
Lims Batch ID: 68811 Lims Sample ID: 6
Sublist: chrom-8260_10*sub25
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121214-15869.b\8260_10.m
Last Update: 17-Dec-2012 09:35:36 Calib Date: 14-Dec-2012 19:27:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK031

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.204	5.204	0.0	99	1962036	10.0	
* 2 Chlorobenzene-d5	117	7.878	7.878	0.0	85	1328069	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.126	10.127	-0.001	92	806217	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.636	4.636	0.0	53	86392	1.88	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.920	4.920	0.0	0	106682	1.99	
$ 7 Toluene-d8 (Surr)	98	6.565	6.565	0.0	92	318950	1.85	
$ 8 4-Bromofluorobenzene (Surr)	95	8.990	8.991	-0.001	91	113500	1.88	
12 Dichlorodifluoromethane	85	1.559	1.560	-0.001	80	71948	1.98	
13 Chloromethane	50	1.689	1.690	-0.001	99	131438	2.03	
14 Vinyl chloride	62	1.796	1.796	0.0	78	127350	1.98	
16 Bromomethane	94	2.080	2.080	0.0	87	61559	2.04	
17 Chloroethane	64	2.163	2.163	0.0	92	76233	2.03	
19 Trichlorofluoromethane	101	2.388	2.388	0.0	94	109640	2.10	
21 Acrolein	56	2.707	2.707	0.0	91	118104	20.1	
23 1,1-Dichloroethene	96	2.814	2.814	0.0	95	104920	2.11	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.825	2.826	-0.001	80	81824	2.11	
24 Acetone	43	2.825	2.826	-0.001	60	55185	3.95	
26 Iodomethane	142	2.944	2.944	0.0	96	158689	2.01	
27 Carbon disulfide	76	3.003	3.003	0.0	98	289306	1.91	
28 Acetonitrile	41	3.050	3.051	-0.001	94	72167	20.5	
30 Methyl acetate	43	3.109	3.098	0.011	96	145700	3.97	
31 Methylene Chloride	84	3.192	3.193	-0.001	89	153419	1.95	
32 2-Methyl-2-propanol	59	3.263	3.264	-0.001	96	96112	42.6	
33 Acrylonitrile	53	3.382	3.382	0.0	98	68221	3.94	
35 Methyl tert-butyl ether	73	3.429	3.429	0.0	89	253570	1.92	
34 trans-1,2-Dichloroethene	96	3.429	3.429	0.0	72	107586	2.00	
36 Hexane	86	3.666	3.666	0.0	90	23363	2.18	
37 1,1-Dichloroethane	63	3.772	3.772	0.0	95	180038	2.02	
38 Vinyl acetate	86	3.808	3.796	0.012	95	12565	1.65	
42 2-Butanone (MEK)	43	4.245	4.246	-0.001	55	67000	3.73	
43 cis-1,2-Dichloroethene	96	4.245	4.246	-0.001	76	111152	1.95	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
44 2,2-Dichloropropane	77	4.257	4.257	0.0	83	88390	1.91	
48 Chlorobromomethane	128	4.447	4.447	-0.001	86	59224	2.11	
49 Tetrahydrofuran	42	4.494	4.494	0.0	30	26729	2.13	
50 Chloroform	83	4.506	4.494	0.012	82	181502	2.02	
51 1,1,1-Trichloroethane	97	4.671	4.672	-0.001	91	127454	1.95	
52 Cyclohexane	56	4.742	4.743	-0.001	88	158733	1.94	
53 1,1-Dichloropropene	75	4.813	4.814	-0.001	92	130002	1.97	
54 Carbon tetrachloride	117	4.825	4.825	0.0	80	108482	1.91	
56 1,2-Dichloroethane	62	4.979	4.979	0.0	46	125575	2.00	
57 Benzene	78	4.991	4.979	0.012	94	419287	1.96	
61 Trichloroethene	130	5.523	5.524	-0.001	93	105370	1.93	
64 1,2-Dichloropropane	63	5.701	5.701	0.0	75	88848	1.88	
63 Methylcyclohexane	83	5.701	5.701	0.0	86	139383	1.94	
66 Dibromomethane	93	5.807	5.808	-0.001	86	52642	1.88	
67 1,4-Dioxane	88	5.807	5.808	-0.001	40	23007	80.3	
68 Dichlorobromomethane	83	5.926	5.926	0.0	97	105852	1.81	
70 2-Chloroethyl vinyl ether	63	6.174	6.174	0.0	91	83867	3.42	
71 cis-1,3-Dichloropropene	75	6.316	6.316	0.0	86	115070	1.72	
72 4-Methyl-2-pentanone (MIBK)	43	6.446	6.447	-0.001	94	137346	3.78	
73 Toluene	91	6.624	6.624	0.0	94	391475	1.84	
74 trans-1,3-Dichloropropene	75	6.801	6.802	-0.001	91	96889	1.72	
75 Ethyl methacrylate	69	6.872	6.873	-0.001	88	80366	1.86	
76 1,1,2-Trichloroethane	97	6.967	6.967	0.0	84	80829	1.96	
77 1,3-Dichloropropane	76	7.121	7.121	0.0	88	139604	1.95	
78 Tetrachloroethene	164	7.133	7.133	0.0	92	85777	1.97	
79 2-Hexanone	43	7.192	7.192	0.0	91	85516	3.65	
81 Chlorodibromomethane	129	7.334	7.334	0.0	84	71354	1.69	
83 Ethylene Dibromide	107	7.452	7.452	0.0	94	77017	1.90	
85 Chlorobenzene	112	7.914	7.914	0.0	97	267494	1.92	
86 1,1,1,2-Tetrachloroethane	131	7.973	7.973	0.0	83	88467	1.85	
87 Ethylbenzene	106	8.008	8.008	0.0	96	130191	1.82	
88 m-Xylene & p-Xylene	106	8.115	8.115	0.0	99	333111	3.69	
89 o-Xylene	106	8.493	8.494	-0.001	93	151628	1.75	
90 Styrene	104	8.505	8.505	0.0	92	251304	1.76	
91 Bromoform	173	8.683	8.683	0.0	96	50523	1.85	
92 Isopropylbenzene	105	8.848	8.849	-0.001	94	383482	1.82	
95 1,1,2,2-Tetrachloroethane	83	9.109	9.109	0.0	85	116917	2.03	
96 Bromobenzene	156	9.144	9.144	0.0	90	120378	1.96	
97 1,2,3-Trichloropropane	110	9.168	9.156	0.012	81	39531	2.12	
98 trans-1,4-Dichloro-2-butene	53	9.168	9.168	0.0	71	26124	1.84	
99 N-Propylbenzene	120	9.251	9.239	0.012	98	106115	1.78	
100 2-Chlorotoluene	126	9.333	9.334	-0.001	97	106035	1.88	
101 1,3,5-Trimethylbenzene	105	9.416	9.417	-0.001	94	313803	1.83	
102 4-Chlorotoluene	126	9.440	9.440	0.0	96	114832	1.91	
103 tert-Butylbenzene	119	9.736	9.736	0.0	85	292170	1.90	
104 1,2,4-Trimethylbenzene	105	9.783	9.783	0.0	75	324423	1.84	
105 sec-Butylbenzene	105	9.949	9.949	0.0	91	361742	1.89	
106 1,3-Dichlorobenzene	146	10.067	10.067	0.0	96	222909	1.96	
107 4-Isopropyltoluene	119	10.091	10.091	0.0	95	305478	1.87	
108 1,4-Dichlorobenzene	146	10.150	10.150	0.0	91	245211	1.99	
110 n-Butylbenzene	91	10.493	10.493	0.0	96	241423	1.85	
111 1,2-Dichlorobenzene	146	10.517	10.517	0.0	96	213261	1.96	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
112 1,2-Dibromo-3-Chloropropane	157	11.286	11.286	0.0	47	16687	1.94	
113 1,3,5-Trichlorobenzene	180	11.511	11.511	0.0	95	124291	2.09	
114 1,2,4-Trichlorobenzene	180	12.126	12.126	0.0	90	109926	2.14	
115 Hexachlorobutadiene	225	12.303	12.304	-0.001	86	58229	2.28	
116 Naphthalene	128	12.374	12.375	-0.001	100	243498	1.95	
117 1,2,3-Trichlorobenzene	180	12.623	12.623	0.0	98	102615	2.04	
S 119 Trihalomethanes, Total	1				0		7.37	
S 120 1,2-Dichloroethene, Total	96				0		3.94	
S 121 1,3-Dichloropropene, Total	75				0		3.44	
S 122 Xylenes, Total	106				0		5.44	

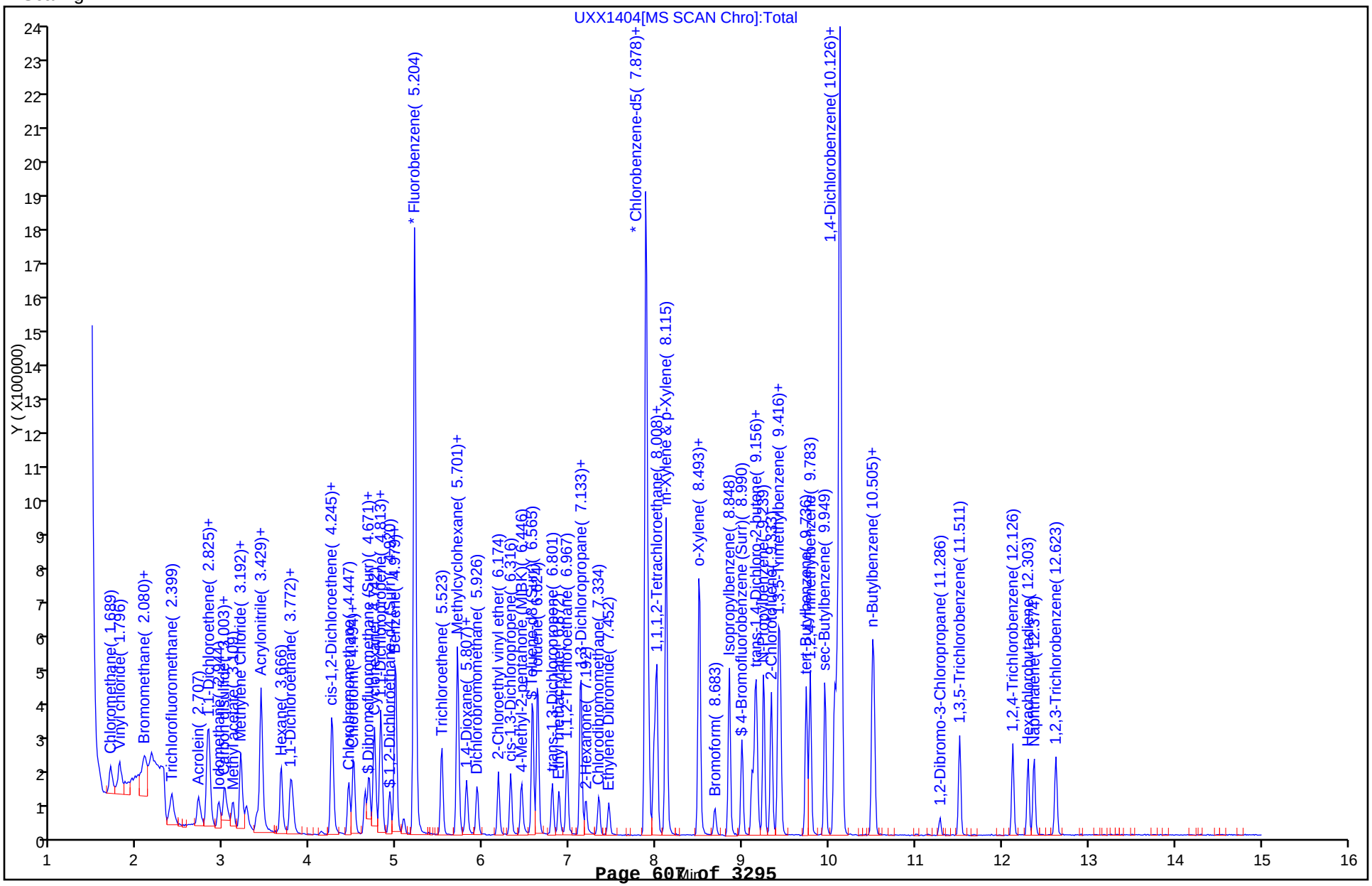
Report Date: 17-Dec-2012 09:35:36 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1404.D

Injection Date:	14-Dec-2012 16:57:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	68811	Lims Sample ID:	6
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1405.D
Lims ID: STD8260 L1 Client ID:
Inject. Date: 14-Dec-2012 17:19:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0015869-007
Misc. Info.: P21214A-IC,8260LLUX10,,1904 =P21214A-IC,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 6
Lims Batch ID: 68811 Lims Sample ID: 7
Sublist: chrom-8260_10*sub25
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121214-15869.b\8260_10.m
Last Update: 17-Dec-2012 09:35:36 Calib Date: 14-Dec-2012 19:27:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK031

First Level Reviewer: quayler Date: 17-Dec-2012 07:46:07

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.204	5.204	0.0	99	1835708	10.0	
* 2 Chlorobenzene-d5	117	7.879	7.878	0.001	83	1246995	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.127	10.127	0.0	92	775321	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.637	4.636	0.0	53	42158	0.9815	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.920	4.920	0.0	0	49683	0.99	
$ 7 Toluene-d8 (Surr)	98	6.565	6.565	0.0	86	153502	0.9506	
$ 8 4-Bromofluorobenzene (Surr)	95	8.991	8.991	0.0	87	55001	0.9682	
12 Dichlorodifluoromethane	85	1.560	1.560	0.0	66	30879	0.9099	
13 Chloromethane	50	1.690	1.690	0.0	85	67830	1.12	
14 Vinyl chloride	62	1.797	1.796	0.001	83	65107	1.08	
16 Bromomethane	94	2.081	2.080	0.001	79	34128	1.21	
17 Chloroethane	64	2.175	2.163	0.012	81	39044	1.11	
19 Trichlorofluoromethane	101	2.400	2.388	0.012	84	53264	1.09	
21 Acrolein	56	2.708	2.707	0.001	88	55829	10.1	
23 1,1-Dichloroethene	96	2.814	2.814	0.0	93	49912	1.07	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.826	2.826	0.0	75	40608	1.12	
24 Acetone	43	2.826	2.826	0.0	68	31865	2.09	
26 Iodomethane	142	2.944	2.944	0.0	93	79033	1.07	
27 Carbon disulfide	76	3.004	3.003	0.001	98	147001	1.04	
28 Acetonitrile	41	3.051	3.051	0.0	90	33234	10.1	
30 Methyl acetate	43	3.098	3.098	0.0	85	74236	2.16	
31 Methylene Chloride	84	3.193	3.193	0.0	87	98498	1.05	
32 2-Methyl-2-propanol	59	3.264	3.264	0.0	91	42011	19.9	
33 Acrylonitrile	53	3.382	3.382	0.0	99	32738	2.02	
35 Methyl tert-butyl ether	73	3.430	3.429	0.001	90	117426	0.9486	
34 trans-1,2-Dichloroethene	96	3.430	3.429	0.001	73	53022	1.05	
36 Hexane	86	3.666	3.666	0.0	87	10101	1.01	
37 1,1-Dichloroethane	63	3.773	3.772	0.001	80	86603	1.04	
38 Vinyl acetate	86	3.820	3.796	0.024	95	6515	0.9153	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
42 2-Butanone (MEK)	43	4.246	4.246	0.0	53	35644	2.12	
43 cis-1,2-Dichloroethene	96	4.246	4.246	0.0	76	56243	1.05	
44 2,2-Dichloropropane	77	4.258	4.257	0.001	70	41719	0.9625	
48 Chlorobromomethane	128	4.447	4.447	0.0	66	27240	1.04	
49 Tetrahydrofuran	42	4.495	4.494	0.0	33	12370	1.06	
50 Chloroform	83	4.506	4.494	0.012	78	88171	1.05	
51 1,1,1-Trichloroethane	97	4.684	4.672	0.012	89	61698	1.01	
52 Cyclohexane	56	4.743	4.743	0.0	87	77885	1.02	
53 1,1-Dichloropropene	75	4.814	4.814	0.0	92	60486	0.9776	
54 Carbon tetrachloride	117	4.826	4.825	0.001	83	55305	1.04	
56 1,2-Dichloroethane	62	4.980	4.979	0.001	52	59264	1.01	
57 Benzene	78	4.991	4.979	0.012	93	212719	1.06	
61 Trichloroethene	130	5.524	5.524	0.0	93	53655	1.05	
64 1,2-Dichloropropane	63	5.701	5.701	0.0	81	43830	0.99	
63 Methylcyclohexane	83	5.701	5.701	0.0	88	66442	0.9880	
66 Dibromomethane	93	5.808	5.808	0.0	85	28558	1.09	
67 1,4-Dioxane	88	5.820	5.808	0.012	22	11215	41.8	
68 Dichlorobromomethane	83	5.926	5.926	0.0	94	53902	0.9877	
70 2-Chloroethyl vinyl ether	63	6.175	6.174	0.001	79	40924	1.78	
71 cis-1,3-Dichloropropene	75	6.317	6.316	0.001	77	56936	0.9097	
72 4-Methyl-2-pentanone (MIBK)	43	6.447	6.447	0.0	85	61798	1.82	
73 Toluene	91	6.636	6.624	0.012	95	201223	1.01	
74 trans-1,3-Dichloropropene	75	6.802	6.802	0.0	80	47071	0.8905	
75 Ethyl methacrylate	69	6.873	6.873	0.0	83	38268	1.19	
76 1,1,2-Trichloroethane	97	6.968	6.967	0.001	80	40879	1.06	
77 1,3-Dichloropropane	76	7.121	7.121	0.0	86	68872	1.03	
78 Tetrachloroethene	164	7.133	7.133	0.0	87	41752	1.02	
79 2-Hexanone	43	7.192	7.192	0.0	87	38833	1.76	
81 Chlorodibromomethane	129	7.334	7.334	0.0	77	35521	0.8981	
83 Ethylene Dibromide	107	7.453	7.452	0.001	84	37474	0.9849	
85 Chlorobenzene	112	7.914	7.914	0.0	93	140412	1.07	
86 1,1,1,2-Tetrachloroethane	131	7.973	7.973	0.0	78	44156	0.9850	
87 Ethylbenzene	106	8.009	8.008	0.001	96	63206	0.9435	
88 m-Xylene & p-Xylene	106	8.115	8.115	0.0	99	153782	1.81	
89 o-Xylene	106	8.494	8.494	0.0	86	78906	0.9679	
90 Styrene	104	8.506	8.505	0.001	92	116186	0.8673	
91 Bromoform	173	8.683	8.683	0.0	90	21983	0.8551	
92 Isopropylbenzene	105	8.849	8.849	0.0	93	180463	0.9106	
95 1,1,2,2-Tetrachloroethane	83	9.109	9.109	0.0	85	57603	1.04	
96 Bromobenzene	156	9.145	9.144	0.001	88	57702	0.9759	
97 1,2,3-Trichloropropane	110	9.157	9.156	0.001	67	17288	0.9620	
98 trans-1,4-Dichloro-2-butene	53	9.168	9.168	0.0	60	12169	0.8905	
99 N-Propylbenzene	120	9.239	9.239	0.0	95	50472	0.8824	
100 2-Chlorotoluene	126	9.334	9.334	0.0	95	52302	0.9656	
101 1,3,5-Trimethylbenzene	105	9.417	9.417	0.0	90	138525	0.8404	
102 4-Chlorotoluene	126	9.441	9.440	0.001	96	53322	0.9245	
103 tert-Butylbenzene	119	9.736	9.736	0.0	87	132732	0.8996	
104 1,2,4-Trimethylbenzene	105	9.784	9.783	0.001	71	145206	0.8575	
105 sec-Butylbenzene	105	9.949	9.949	0.0	87	165282	0.8971	
106 1,3-Dichlorobenzene	146	10.068	10.067	0.001	95	107876	0.9877	
107 4-Isopropyltoluene	119	10.091	10.091	0.0	93	136793	0.8713	
108 1,4-Dichlorobenzene	146	10.151	10.150	0.001	78	126220	1.07	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
110 n-Butylbenzene	91	10.494	10.493	0.001	93	117119	0.9341	
111 1,2-Dichlorobenzene	146	10.517	10.517	0.0	96	108086	1.03	
112 1,2-Dibromo-3-Chloropropane	157	11.287	11.286	0.001	33	8751	1.06	
113 1,3,5-Trichlorobenzene	180	11.511	11.511	0.0	91	60296	1.05	
114 1,2,4-Trichlorobenzene	180	12.127	12.126	0.001	85	51604	1.04	
115 Hexachlorobutadiene	225	12.304	12.304	0.0	80	28628	1.17	
116 Naphthalene	128	12.375	12.375	0.0	100	109730	0.9152	
117 1,2,3-Trichlorobenzene	180	12.624	12.623	0.001	92	50318	1.04	
S 119 Trihalomethanes, Total	1				0		3.79	
S 120 1,2-Dichloroethene, Total	96				0		2.10	
S 121 1,3-Dichloropropene, Total	75				0		1.80	
S 122 Xylenes, Total	106				0		2.78	

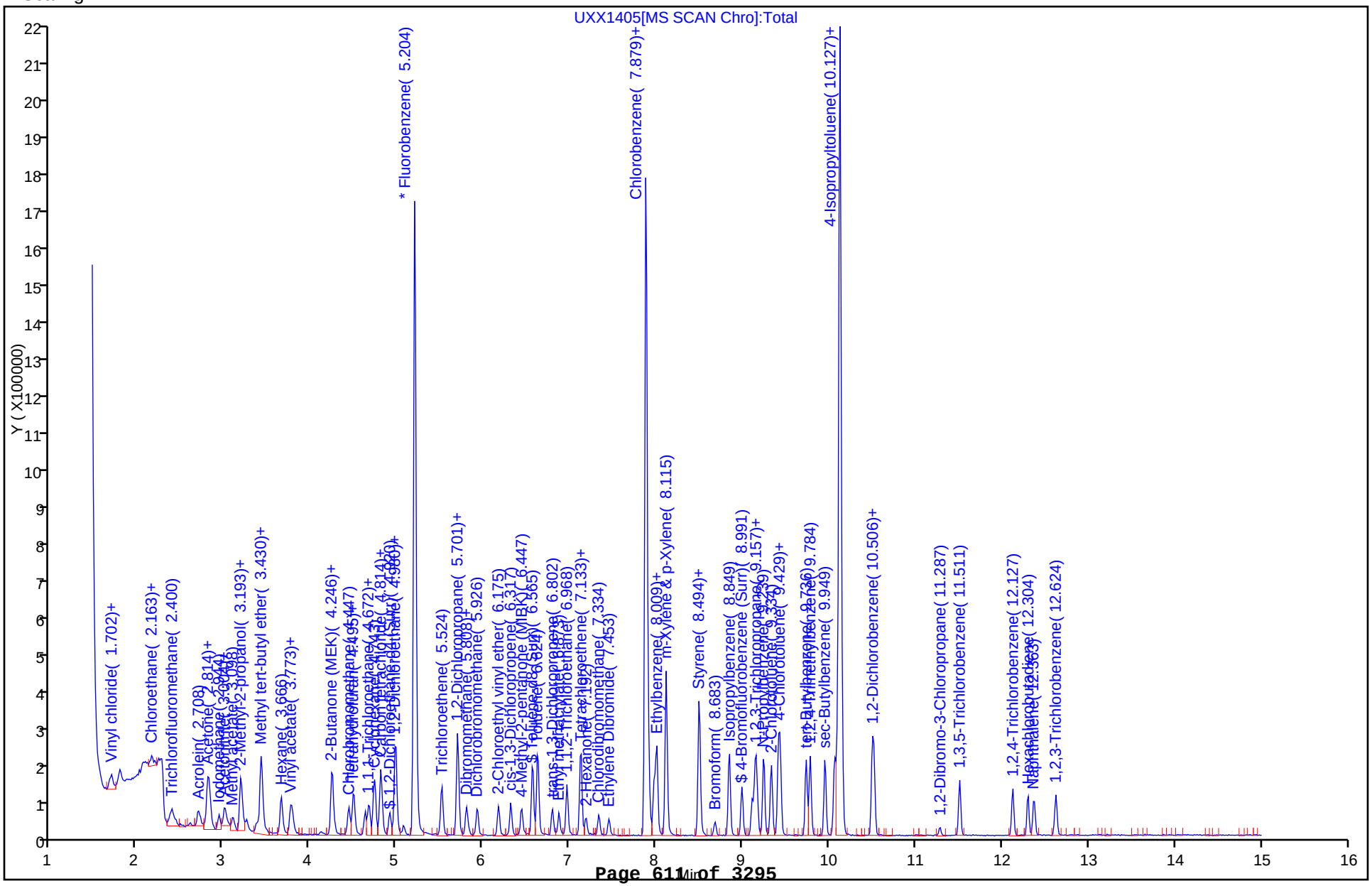
Report Date: 17-Dec-2012 09:35:37 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1405.D

Injection Date:	14-Dec-2012 17:19:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	68811	Lims Sample ID:	7
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-68811/14 Calibration Date: 12/14/2012 19:48

Instrument ID: A3UX10 Calib Start Date: 12/14/2012 15:32

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 12/14/2012 17:19

Lab File ID: UXX1412.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.1849	0.1781	0.1000	0.00964	0.0100	-3.6	20.0
Chloromethane	Ave	0.3300	0.3451	0.1000	0.0105	0.0100	4.6	20.0
Vinyl chloride	Ave	0.3283	0.3333	0.1000	0.0102	0.0100	1.5	20.0
Bromomethane	Ave	0.1541	0.1302	0.0500	0.00845	0.0100	-15.5	20.0
Chloroethane	Ave	0.1913	0.1906	0.0500	0.00996	0.0100	-0.4	20.0
Trichlorofluoromethane	Ave	0.2655	0.2654	0.1000	0.00999	0.0100	-0.0	20.0
Acrolein	Ave	0.0300	0.0307		0.0307	0.0300	2.4	20.0
1,1-Dichloroethene	Ave	0.2534	0.2608	0.1000	0.0103	0.0100	2.9	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1979	0.2135	0.0500	0.0108	0.0100	7.9	20.0
Acetone	Lin1		0.0652	0.0500	0.0217	0.0200	8.3	20.0
Iodomethane	Ave	0.4023	0.4289		0.0107	0.0100	6.6	20.0
Carbon disulfide	Ave	0.7720	0.7804	0.1000	0.0101	0.0100	1.1	20.0
Acetonitrile	Ave	0.0179	0.0196		0.0329	0.0300	9.7	20.0
Methyl acetate	Ave	0.1872	0.1944	0.1000	0.0104	0.0100	3.9	20.0
Methylene Chloride	Lin1		0.3061	0.1000	0.0103	0.0100	3.0	20.0
2-Methyl-2-propanol	Ave	0.0115	0.0118		0.206	0.200	2.9	20.0
Acrylonitrile	Ave	0.0883	0.0886		0.0301	0.0300	0.4	20.0
Methyl tert-butyl ether	Ave	0.6743	0.6914	0.1000	0.0103	0.0100	2.5	20.0
trans-1,2-Dichloroethene	Ave	0.2746	0.2794	0.1000	0.0102	0.0100	1.7	20.0
1,1-Dichloroethane	Ave	0.4540	0.4781	0.1000	0.0105	0.0100	5.3	20.0
Vinyl acetate	Ave	0.0388	0.0476		0.0123	0.0100	22.8*	20.0
2-Butanone (MEK)	Ave	0.0917	0.0892	0.0500	0.0195	0.0200	-2.7	20.0
cis-1,2-Dichloroethene	Ave	0.2910	0.2955	0.1000	0.0102	0.0100	1.5	20.0
2,2-Dichloropropane	Ave	0.2361	0.2368		0.0100	0.0100	0.3	20.0
Bromochloromethane	Ave	0.1431	0.1424		0.00995	0.0100	-0.5	20.0
Chloroform	Ave	0.4586	0.4514	0.2000	0.00984	0.0100	-1.6	20.0
1,1,1-Trichloroethane	Ave	0.3330	0.3403	0.1000	0.0102	0.0100	2.2	20.0
Cyclohexane	Ave	0.4179	0.4047	0.1000	0.00969	0.0100	-3.1	20.0
1,1-Dichloropropene	Ave	0.3371	0.3370		0.0100	0.0100	-0.0	20.0
Carbon tetrachloride	Ave	0.2901	0.2931	0.1000	0.0101	0.0100	1.0	20.0
1,2-Dichloroethane	Ave	0.3198	0.3310	0.1000	0.0103	0.0100	3.5	20.0
Benzene	Ave	1.090	1.124	0.5000	0.0103	0.0100	3.1	20.0
Trichloroethene	Ave	0.2783	0.2825	0.2000	0.0102	0.0100	1.5	20.0
1,2-Dichloropropane	Ave	0.2403	0.2490	0.1000	0.0104	0.0100	3.6	20.0
Methylcyclohexane	Ave	0.3663	0.3589	0.1000	0.00980	0.0100	-2.0	20.0
Dibromomethane	Ave	0.1430	0.1496		0.0105	0.0100	4.6	20.0
Bromodichloromethane	Ave	0.2973	0.3096	0.1000	0.0104	0.0100	4.2	20.0
cis-1,3-Dichloropropene	Ave	0.3410	0.3302	0.1500	0.00968	0.0100	-3.2	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1850	0.1902	0.0500	0.0206	0.0200	2.8	20.0
Toluene	Ave	1.599	1.576	0.4000	0.00985	0.0100	-1.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-68811/14 Calibration Date: 12/14/2012 19:48

Instrument ID: A3UX10 Calib Start Date: 12/14/2012 15:32

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 12/14/2012 17:19

Lab File ID: UXX1412.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
trans-1,3-Dichloropropene	Ave	0.4239	0.4155	0.1000	0.00980	0.0100	-2.0	20.0
1,1,2-Trichloroethane	Ave	0.3101	0.3152	0.1000	0.0102	0.0100	1.6	20.0
1,3-Dichloropropane	Ave	0.5387	0.5259		0.00976	0.0100	-2.4	20.0
Tetrachloroethene	Ave	0.3273	0.3206	0.2000	0.00980	0.0100	-2.0	20.0
2-Hexanone	Ave	0.1765	0.1811	0.0500	0.0205	0.0200	2.6	20.0
Dibromochloromethane	Ave	0.3172	0.3095		0.00976	0.0100	-2.4	20.0
1,2-Dibromoethane	Ave	0.3051	0.3064		0.0100	0.0100	0.4	20.0
Chlorobenzene	Ave	1.052	1.025	0.3000	0.00974	0.0100	-2.6	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3595	0.3640		0.0101	0.0100	1.3	20.0
Ethylbenzene	Ave	0.5372	0.5358		0.00997	0.0100	-0.3	20.0
m-Xylene & p-Xylene	Ave	0.6797	0.6902		0.0203	0.0200	1.5	20.0
o-Xylene	Ave	0.6537	0.7057		0.0108	0.0100	8.0	20.0
Styrene	Ave	1.074	1.134	0.3000	0.0106	0.0100	5.5	20.0
Bromoform	Ave	0.2062	0.2059	0.1000	0.00999	0.0100	-0.1	20.0
Isopropylbenzene	Ave	1.589	1.653	0.1000	0.0104	0.0100	4.0	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7129	0.6718	0.3000	0.00942	0.0100	-5.8	20.0
Bromobenzene	Ave	0.7626	0.7311		0.00959	0.0100	-4.1	20.0
1,2,3-Trichloropropane	Ave	0.2318	0.2251		0.00971	0.0100	-2.9	20.0
N-Propylbenzene	Ave	0.7378	0.7503		0.0102	0.0100	1.7	20.0
2-Chlorotoluene	Ave	0.6986	0.6792		0.00972	0.0100	-2.8	20.0
1,3,5-Trimethylbenzene	Ave	2.126	2.194		0.0103	0.0100	3.2	20.0
4-Chlorotoluene	Ave	0.7439	0.7280		0.00979	0.0100	-2.1	20.0
tert-Butylbenzene	Ave	1.903	1.992		0.0105	0.0100	4.7	20.0
1,2,4-Trimethylbenzene	Ave	2.184	2.270		0.0104	0.0100	3.9	20.0
sec-Butylbenzene	Ave	2.376	2.360		0.00993	0.0100	-0.7	20.0
1,3-Dichlorobenzene	Ave	1.409	1.382	0.6000	0.00981	0.0100	-1.9	20.0
4-Isopropyltoluene	Ave	2.025	2.108		0.0104	0.0100	4.1	20.0
1,4-Dichlorobenzene	Ave	1.528	1.456	0.5000	0.00953	0.0100	-4.7	20.0
n-Butylbenzene	Ave	1.617	1.591		0.00984	0.0100	-1.6	20.0
1,2-Dichlorobenzene	Ave	1.352	1.342	0.4000	0.00993	0.0100	-0.7	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1064	0.0956	0.0500	0.00898	0.0100	-10.2	20.0
1,2,4-Trichlorobenzene	Ave	0.6371	0.5644	0.2000	0.00886	0.0100	-11.4	20.0
Hexachlorobutadiene	Ave	0.3169	0.2145		0.00677	0.0100	-32.3*	20.0
Naphthalene	Ave	1.546	1.312		0.00848	0.0100	-15.2	20.0
1,2,3-Trichlorobenzene	Ave	0.6235	0.5198		0.00834	0.0100	-16.6	20.0
Dibromofluoromethane (Surr)	Ave	0.2340	0.2359		0.0101	0.0100	0.8	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2732	0.2717		0.00994	0.0100	-0.6	20.0
Toluene-d8 (Surr)	Ave	1.295	1.244		0.00961	0.0100	-3.9	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4556	0.4636		0.0102	0.0100	1.8	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1412.D
Lims ID: ICV Client ID:
Inject. Date: 14-Dec-2012 19:48:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0015869-014
Misc. Info.: P21214A-IC,8260LLUX10,,1904 =P21214A-IC,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 13
Lims Batch ID: 68811 Lims Sample ID: 14
Sublist:
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121214-15869.b\8260_10.m
Last Update: 17-Dec-2012 09:35:40 Calib Date: 14-Dec-2012 19:27:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK031

First Level Reviewer: quayler Date: 17-Dec-2012 08:06:50

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.203	5.206	-0.003	99	1915294	10.0	
* 2 Chlorobenzene-d5	117	7.878	7.880	-0.002	82	1350521	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.126	10.129	-0.003	89	869619	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.635	4.636	-0.001	60	451763	10.1	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.919	4.920	-0.001	0	520320	9.94	
$ 7 Toluene-d8 (Surr)	98	6.564	6.565	-0.001	93	1680659	9.61	
$ 8 4-Bromofluorobenzene (Surr)	95	8.990	8.991	-0.001	93	626111	10.2	
12 Dichlorodifluoromethane	85	1.559	1.560	-0.001	98	341181	9.64	
13 Chloromethane	50	1.701	1.690	0.011	89	660914	10.5	
14 Vinyl chloride	62	1.795	1.796	-0.001	97	638431	10.2	
16 Bromomethane	94	2.091	2.080	0.011	89	249381	8.45	
17 Chloroethane	64	2.174	2.163	0.011	99	365103	9.96	
19 Trichlorofluoromethane	101	2.399	2.388	0.011	97	508316	10.0	
20 Ethyl ether	59	2.600	2.603	-0.003	89	444403	11.0	
21 Acrolein	56	2.707	2.707	0.0	91	176270	30.7	
23 1,1-Dichloroethene	96	2.813	2.814	-0.001	89	499594	10.3	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.825	2.826	-0.001	85	408984	10.8	
24 Acetone	43	2.825	2.826	-0.001	77	249719	21.7	
26 Iodomethane	142	2.943	2.944	-0.001	96	821429	10.7	
27 Carbon disulfide	76	3.014	3.003	0.011	98	1494759	10.1	
28 Acetonitrile	41	3.050	3.051	-0.001	93	112862	32.9	
30 Methyl acetate	43	3.109	3.098	0.011	96	372393	10.4	
31 Methylene Chloride	84	3.192	3.193	-0.001	86	586301	10.3	
32 2-Methyl-2-propanol	59	3.263	3.264	-0.001	94	453145	205.8	
33 Acrylonitrile	53	3.381	3.382	-0.001	99	509210	30.1	
35 Methyl tert-butyl ether	73	3.428	3.429	-0.001	90	1324273	10.3	
34 trans-1,2-Dichloroethene	96	3.428	3.429	-0.001	68	535072	10.2	
36 Hexane	86	3.665	3.666	-0.001	93	105404	10.1	
37 1,1-Dichloroethane	63	3.772	3.772	0.0	96	915711	10.5	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
38 Vinyl acetate	86	3.795	3.796	-0.001	97	91172	12.3	
39 Isopropyl ether	87	3.819	3.822	-0.003	95	483926	11.1	
42 2-Butanone (MEK)	43	4.245	4.246	-0.001	57	341673	19.5	
43 cis-1,2-Dichloroethene	96	4.245	4.246	-0.001	82	565872	10.2	
44 2,2-Dichloropropane	77	4.257	4.257	0.0	89	453477	10.0	
48 Chlorobromomethane	128	4.446	4.447	-0.001	92	272714	9.95	
49 Tetrahydrofuran	42	4.493	4.494	-0.001	88	122224	10.0	
50 Chloroform	83	4.505	4.494	0.011	81	864569	9.84	
51 1,1,1-Trichloroethane	97	4.683	4.672	0.011	87	651810	10.2	
52 Cyclohexane	56	4.742	4.743	-0.001	88	775149	9.69	
53 1,1-Dichloropropene	75	4.813	4.814	-0.001	94	645389	10.0	
54 Carbon tetrachloride	117	4.825	4.825	0.0	93	561303	10.1	
55 Isobutyl alcohol	41	4.848	4.851	-0.003	94	591375	528.7	
56 1,2-Dichloroethane	62	4.979	4.979	0.0	46	633870	10.3	
57 Benzene	78	4.990	4.979	0.011	95	2152834	10.3	
61 Trichloroethene	130	5.523	5.524	-0.001	92	541034	10.2	
64 1,2-Dichloropropane	63	5.700	5.701	-0.001	87	476819	10.4	
63 Methylcyclohexane	83	5.700	5.701	-0.001	86	687408	9.80	
66 Dibromomethane	93	5.807	5.808	-0.001	85	286527	10.5	
68 Dichlorobromomethane	83	5.925	5.926	-0.001	94	593053	10.4	
70 2-Chloroethyl vinyl ether	63	6.174	6.174	0.0	93	232673	9.72	
71 cis-1,3-Dichloropropene	75	6.316	6.316	0.0	91	632357	9.68	
72 4-Methyl-2-pentanone (MIBK)	43	6.446	6.447	-0.001	96	728603	20.6	
73 Toluene	91	6.623	6.624	-0.001	97	2128346	9.85	
74 trans-1,3-Dichloropropene	75	6.801	6.802	-0.001	89	561096	9.80	
76 1,1,2-Trichloroethane	97	6.966	6.967	-0.001	84	425622	10.2	
77 1,3-Dichloropropane	76	7.120	7.121	-0.001	91	710209	9.76	
78 Tetrachloroethene	164	7.132	7.133	-0.001	94	432984	9.80	
79 2-Hexanone	43	7.179	7.192	-0.013	96	489016	20.5	
81 Chlorodibromomethane	129	7.333	7.334	-0.001	90	417940	9.76	
83 Ethylene Dibromide	107	7.452	7.452	0.0	96	413800	10.0	
85 Chlorobenzene	112	7.913	7.914	-0.001	97	1384146	9.74	
86 1,1,1,2-Tetrachloroethane	131	7.972	7.973	-0.001	89	491600	10.1	
87 Ethylbenzene	106	8.008	8.008	0.0	97	723658	9.97	
88 m-Xylene & p-Xylene	106	8.114	8.115	-0.001	99	1864199	20.3	
89 o-Xylene	106	8.493	8.494	-0.001	91	953109	10.8	
90 Styrene	104	8.505	8.505	0.0	92	1530890	10.6	
91 Bromoform	173	8.682	8.683	-0.001	98	278064	9.99	
92 Isopropylbenzene	105	8.848	8.849	-0.001	94	2232723	10.4	
94 Cyclohexanone	55	8.931	8.934	-0.003	87	227738	47.5	
95 1,1,2,2-Tetrachloroethane	83	9.108	9.109	-0.001	93	584187	9.42	
96 Bromobenzene	156	9.144	9.144	0.0	90	635774	9.59	
97 1,2,3-Trichloropropane	110	9.155	9.156	-0.001	72	195777	9.71	
98 trans-1,4-Dichloro-2-butene	53	9.167	9.168	-0.001	78	293007	19.1	
99 N-Propylbenzene	120	9.250	9.239	0.011	97	652491	10.2	
100 2-Chlorotoluene	126	9.333	9.334	-0.001	97	590662	9.72	
101 1,3,5-Trimethylbenzene	105	9.416	9.417	-0.001	93	1908167	10.3	
102 4-Chlorotoluene	126	9.439	9.440	-0.001	98	633118	9.79	
103 tert-Butylbenzene	119	9.735	9.736	-0.001	89	1732084	10.5	
104 1,2,4-Trimethylbenzene	105	9.783	9.783	0.0	76	1973701	10.4	
105 sec-Butylbenzene	105	9.948	9.949	-0.001	92	2051953	9.93	
106 1,3-Dichlorobenzene	146	10.067	10.067	0.0	96	1201441	9.81	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
107 4-Isopropyltoluene	119	10.090	10.091	-0.001	92	1833220	10.4	
108 1,4-Dichlorobenzene	146	10.149	10.150	-0.001	95	1266549	9.53	
109 1,2,3-Trimethylbenzene	105	10.197	10.200	-0.003	95	2038446	11.1	
110 n-Butylbenzene	91	10.504	10.493	0.011	93	1383856	9.84	
111 1,2-Dichlorobenzene	146	10.516	10.517	-0.001	98	1166801	9.93	
112 1,2-Dibromo-3-Chloropropane	157	11.285	11.286	-0.001	80	83097	8.98	
114 1,2,4-Trichlorobenzene	180	12.126	12.126	0.0	93	490825	8.86	
115 Hexachlorobutadiene	225	12.303	12.304	-0.001	92	186526	6.77	
116 Naphthalene	128	12.374	12.375	-0.001	100	1140702	8.48	
117 1,2,3-Trichlorobenzene	180	12.623	12.623	-0.001	99	452064	8.34	
S 119 Trihalomethanes, Total	1				0		40.0	
S 120 1,2-Dichloroethene, Total	96				0		20.3	
S 122 Xylenes, Total	106				0		31.1	

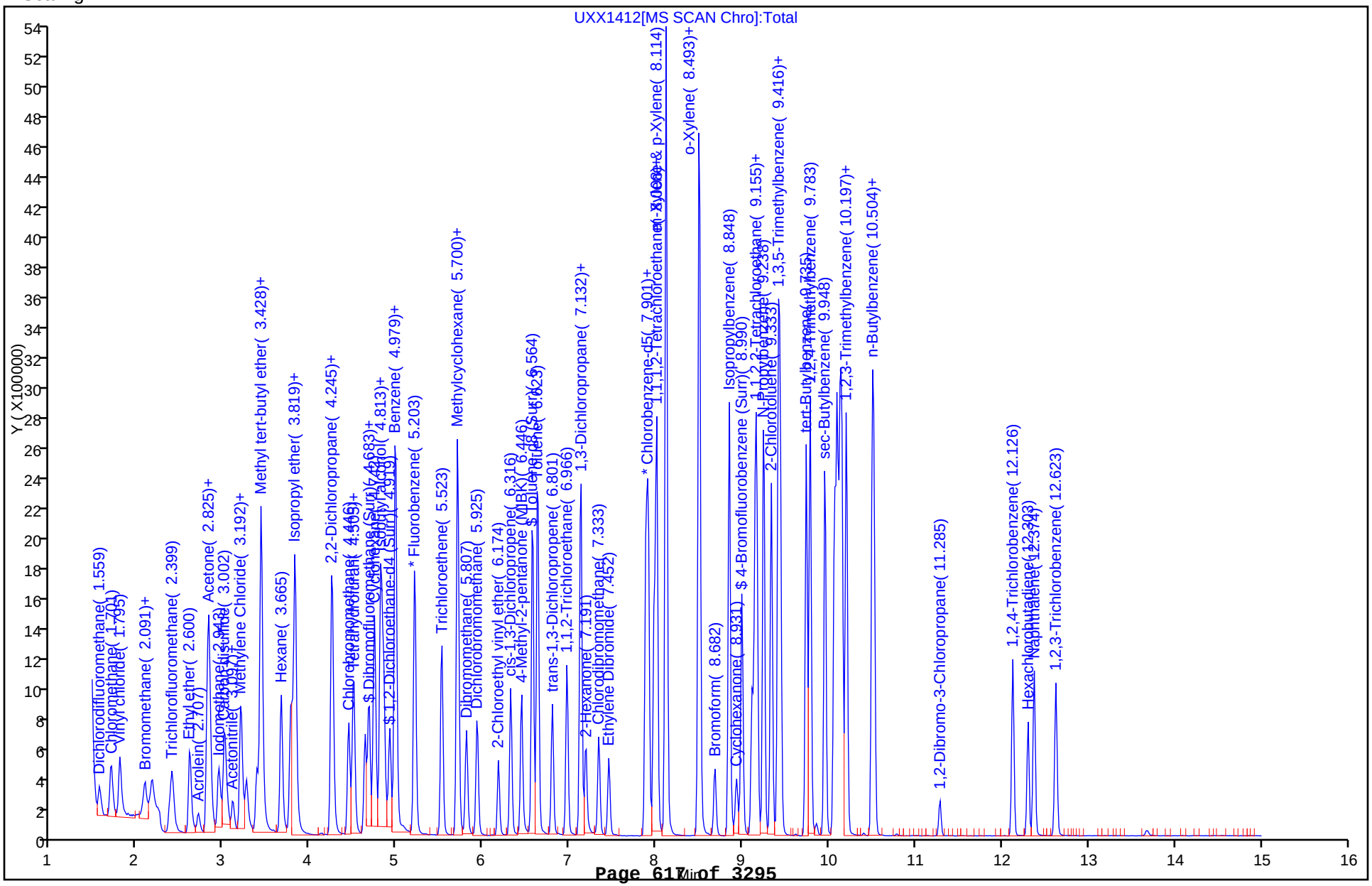
Report Date: 17-Dec-2012 09:35:41 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1412.D

Injection Date:	14-Dec-2012 19:48:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	68811	Lims Sample ID:	14
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-68811/14 Calibration Date: 12/14/2012 19:48

Instrument ID: A3UX10 Calib Start Date: 12/14/2012 17:40

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 12/14/2012 19:27

Lab File ID: UXX1412.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Isobutyl alcohol	Ave	0.0083	0.0088		0.529	0.500	5.7	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1412.D
Lims ID: ICV Client ID:
Inject. Date: 14-Dec-2012 19:48:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0015869-014
Misc. Info.: P21214A-IC,8260LLUX10,,1904 =P21214A-IC,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 13
Lims Batch ID: 68811 Lims Sample ID: 14
Sublist:
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121214-15869.b\8260_10.m
Last Update: 17-Dec-2012 09:35:40 Calib Date: 14-Dec-2012 19:27:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK031

First Level Reviewer: quayler Date: 17-Dec-2012 08:06:50

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.203	5.206	-0.003	99	1915294	10.0	
* 2 Chlorobenzene-d5	117	7.878	7.880	-0.002	82	1350521	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.126	10.129	-0.003	89	869619	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.635	4.636	-0.001	60	451763	10.1	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.919	4.920	-0.001	0	520320	9.94	
$ 7 Toluene-d8 (Surr)	98	6.564	6.565	-0.001	93	1680659	9.61	
$ 8 4-Bromofluorobenzene (Surr)	95	8.990	8.991	-0.001	93	626111	10.2	
12 Dichlorodifluoromethane	85	1.559	1.560	-0.001	98	341181	9.64	
13 Chloromethane	50	1.701	1.690	0.011	89	660914	10.5	
14 Vinyl chloride	62	1.795	1.796	-0.001	97	638431	10.2	
16 Bromomethane	94	2.091	2.080	0.011	89	249381	8.45	
17 Chloroethane	64	2.174	2.163	0.011	99	365103	9.96	
19 Trichlorofluoromethane	101	2.399	2.388	0.011	97	508316	10.0	
20 Ethyl ether	59	2.600	2.603	-0.003	89	444403	11.0	
21 Acrolein	56	2.707	2.707	0.0	91	176270	30.7	
23 1,1-Dichloroethene	96	2.813	2.814	-0.001	89	499594	10.3	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.825	2.826	-0.001	85	408984	10.8	
24 Acetone	43	2.825	2.826	-0.001	77	249719	21.7	
26 Iodomethane	142	2.943	2.944	-0.001	96	821429	10.7	
27 Carbon disulfide	76	3.014	3.003	0.011	98	1494759	10.1	
28 Acetonitrile	41	3.050	3.051	-0.001	93	112862	32.9	
30 Methyl acetate	43	3.109	3.098	0.011	96	372393	10.4	
31 Methylene Chloride	84	3.192	3.193	-0.001	86	586301	10.3	
32 2-Methyl-2-propanol	59	3.263	3.264	-0.001	94	453145	205.8	
33 Acrylonitrile	53	3.381	3.382	-0.001	99	509210	30.1	
35 Methyl tert-butyl ether	73	3.428	3.429	-0.001	90	1324273	10.3	
34 trans-1,2-Dichloroethene	96	3.428	3.429	-0.001	68	535072	10.2	
36 Hexane	86	3.665	3.666	-0.001	93	105404	10.1	
37 1,1-Dichloroethane	63	3.772	3.772	0.0	96	915711	10.5	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
38 Vinyl acetate	86	3.795	3.796	-0.001	97	91172	12.3	
39 Isopropyl ether	87	3.819	3.822	-0.003	95	483926	11.1	
42 2-Butanone (MEK)	43	4.245	4.246	-0.001	57	341673	19.5	
43 cis-1,2-Dichloroethene	96	4.245	4.246	-0.001	82	565872	10.2	
44 2,2-Dichloropropane	77	4.257	4.257	0.0	89	453477	10.0	
48 Chlorobromomethane	128	4.446	4.447	-0.001	92	272714	9.95	
49 Tetrahydrofuran	42	4.493	4.494	-0.001	88	122224	10.0	
50 Chloroform	83	4.505	4.494	0.011	81	864569	9.84	
51 1,1,1-Trichloroethane	97	4.683	4.672	0.011	87	651810	10.2	
52 Cyclohexane	56	4.742	4.743	-0.001	88	775149	9.69	
53 1,1-Dichloropropene	75	4.813	4.814	-0.001	94	645389	10.0	
54 Carbon tetrachloride	117	4.825	4.825	0.0	93	561303	10.1	
55 Isobutyl alcohol	41	4.848	4.851	-0.003	94	591375	528.7	
56 1,2-Dichloroethane	62	4.979	4.979	0.0	46	633870	10.3	
57 Benzene	78	4.990	4.979	0.011	95	2152834	10.3	
61 Trichloroethene	130	5.523	5.524	-0.001	92	541034	10.2	
64 1,2-Dichloropropane	63	5.700	5.701	-0.001	87	476819	10.4	
63 Methylcyclohexane	83	5.700	5.701	-0.001	86	687408	9.80	
66 Dibromomethane	93	5.807	5.808	-0.001	85	286527	10.5	
68 Dichlorobromomethane	83	5.925	5.926	-0.001	94	593053	10.4	
70 2-Chloroethyl vinyl ether	63	6.174	6.174	0.0	93	232673	9.72	
71 cis-1,3-Dichloropropene	75	6.316	6.316	0.0	91	632357	9.68	
72 4-Methyl-2-pentanone (MIBK)	43	6.446	6.447	-0.001	96	728603	20.6	
73 Toluene	91	6.623	6.624	-0.001	97	2128346	9.85	
74 trans-1,3-Dichloropropene	75	6.801	6.802	-0.001	89	561096	9.80	
76 1,1,2-Trichloroethane	97	6.966	6.967	-0.001	84	425622	10.2	
77 1,3-Dichloropropane	76	7.120	7.121	-0.001	91	710209	9.76	
78 Tetrachloroethene	164	7.132	7.133	-0.001	94	432984	9.80	
79 2-Hexanone	43	7.179	7.192	-0.013	96	489016	20.5	
81 Chlorodibromomethane	129	7.333	7.334	-0.001	90	417940	9.76	
83 Ethylene Dibromide	107	7.452	7.452	0.0	96	413800	10.0	
85 Chlorobenzene	112	7.913	7.914	-0.001	97	1384146	9.74	
86 1,1,1,2-Tetrachloroethane	131	7.972	7.973	-0.001	89	491600	10.1	
87 Ethylbenzene	106	8.008	8.008	0.0	97	723658	9.97	
88 m-Xylene & p-Xylene	106	8.114	8.115	-0.001	99	1864199	20.3	
89 o-Xylene	106	8.493	8.494	-0.001	91	953109	10.8	
90 Styrene	104	8.505	8.505	0.0	92	1530890	10.6	
91 Bromoform	173	8.682	8.683	-0.001	98	278064	9.99	
92 Isopropylbenzene	105	8.848	8.849	-0.001	94	2232723	10.4	
94 Cyclohexanone	55	8.931	8.934	-0.003	87	227738	47.5	
95 1,1,2,2-Tetrachloroethane	83	9.108	9.109	-0.001	93	584187	9.42	
96 Bromobenzene	156	9.144	9.144	0.0	90	635774	9.59	
97 1,2,3-Trichloropropane	110	9.155	9.156	-0.001	72	195777	9.71	
98 trans-1,4-Dichloro-2-butene	53	9.167	9.168	-0.001	78	293007	19.1	
99 N-Propylbenzene	120	9.250	9.239	0.011	97	652491	10.2	
100 2-Chlorotoluene	126	9.333	9.334	-0.001	97	590662	9.72	
101 1,3,5-Trimethylbenzene	105	9.416	9.417	-0.001	93	1908167	10.3	
102 4-Chlorotoluene	126	9.439	9.440	-0.001	98	633118	9.79	
103 tert-Butylbenzene	119	9.735	9.736	-0.001	89	1732084	10.5	
104 1,2,4-Trimethylbenzene	105	9.783	9.783	0.0	76	1973701	10.4	
105 sec-Butylbenzene	105	9.948	9.949	-0.001	92	2051953	9.93	
106 1,3-Dichlorobenzene	146	10.067	10.067	0.0	96	1201441	9.81	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
107 4-Isopropyltoluene	119	10.090	10.091	-0.001	92	1833220	10.4	
108 1,4-Dichlorobenzene	146	10.149	10.150	-0.001	95	1266549	9.53	
109 1,2,3-Trimethylbenzene	105	10.197	10.200	-0.003	95	2038446	11.1	
110 n-Butylbenzene	91	10.504	10.493	0.011	93	1383856	9.84	
111 1,2-Dichlorobenzene	146	10.516	10.517	-0.001	98	1166801	9.93	
112 1,2-Dibromo-3-Chloropropane	157	11.285	11.286	-0.001	80	83097	8.98	
114 1,2,4-Trichlorobenzene	180	12.126	12.126	0.0	93	490825	8.86	
115 Hexachlorobutadiene	225	12.303	12.304	-0.001	92	186526	6.77	
116 Naphthalene	128	12.374	12.375	-0.001	100	1140702	8.48	
117 1,2,3-Trichlorobenzene	180	12.623	12.623	-0.001	99	452064	8.34	
S 119 Trihalomethanes, Total	1				0		40.0	
S 120 1,2-Dichloroethene, Total	96				0		20.3	
S 122 Xylenes, Total	106				0		31.1	

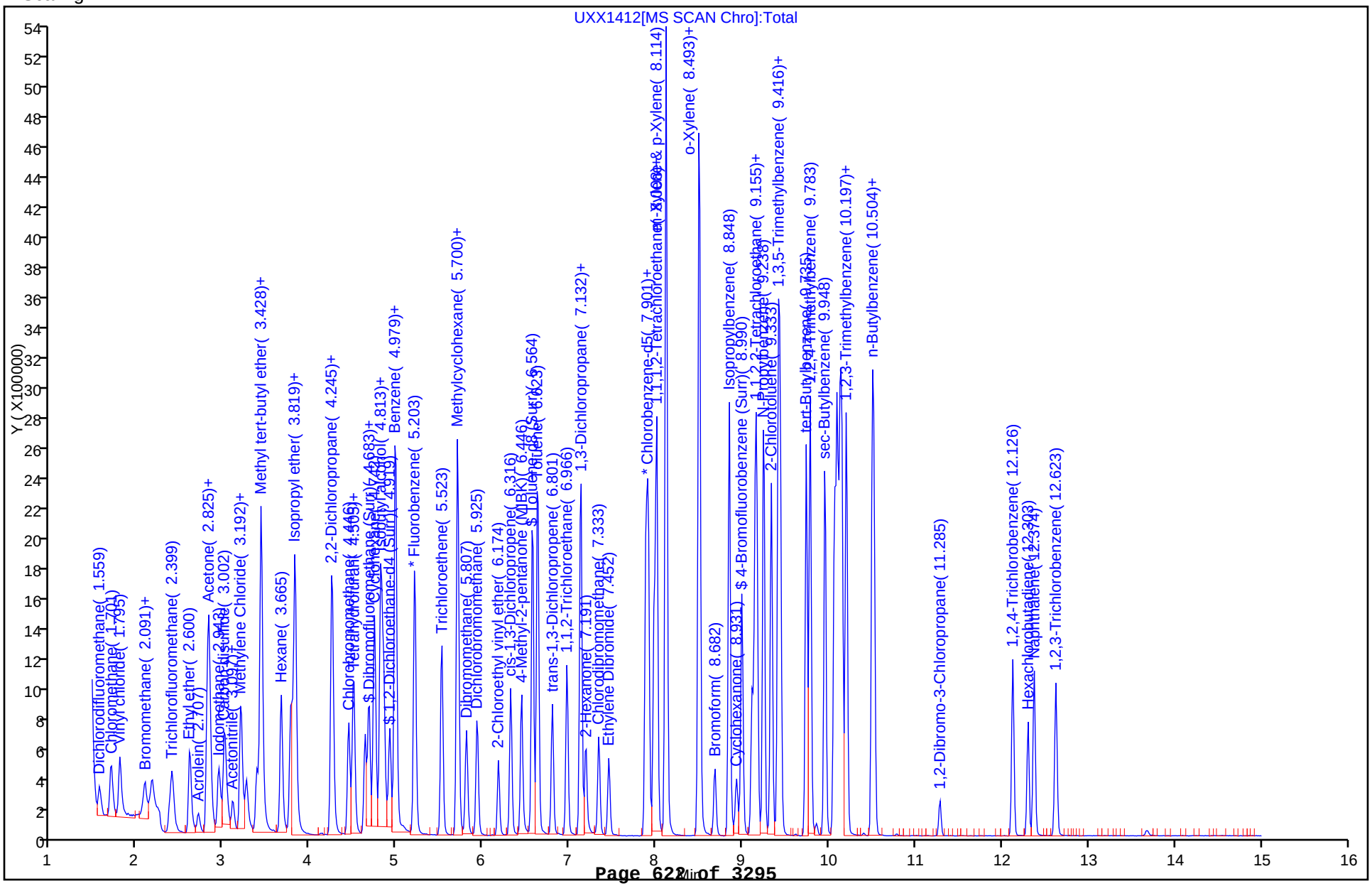
Report Date: 17-Dec-2012 09:35:41 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1412.D

Injection Date:	14-Dec-2012 19:48:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	68811	Lims Sample ID:	14
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-69591/2 Calibration Date: 12/20/2012 11:59

Instrument ID: A3UX10 Calib Start Date: 12/14/2012 15:32

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 12/14/2012 17:19

Lab File ID: UXX1587.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.1849	0.2428	0.1000	0.0131	0.0100	31.3*	20.0
Chloromethane	Ave	0.3300	0.3325	0.1000	0.0101	0.0100	0.8	20.0
Vinyl chloride	Ave	0.3283	0.3419	0.1000	0.0104	0.0100	4.1	20.0
Bromomethane	Ave	0.1541	0.1591	0.0500	0.0103	0.0100	3.3	20.0
Chloroethane	Ave	0.1913	0.2007	0.0500	0.0105	0.0100	4.9	20.0
Trichlorofluoromethane	Ave	0.2655	0.3008	0.1000	0.0113	0.0100	13.3	20.0
Acrolein	Ave	0.0300	0.0267		0.0891	0.100	-10.9	20.0
1,1-Dichloroethene	Ave	0.2534	0.2472	0.1000	0.00975	0.0100	-2.5	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1979	0.2344	0.0500	0.0118	0.0100	18.4	20.0
Acetone	Lin1		0.0519	0.0500	0.0170	0.0200	-14.8	20.0
Iodomethane	Ave	0.4023	0.4280		0.0106	0.0100	6.4	20.0
Carbon disulfide	Ave	0.7720	0.8568	0.1000	0.0111	0.0100	11.0	20.0
Acetonitrile	Ave	0.0179	0.0173		0.0968	0.100	-3.2	20.0
Methyl acetate	Ave	0.1872	0.1703	0.1000	0.0182	0.0200	-9.0	20.0
Methylene Chloride	Lin1		0.3102	0.1000	0.0104	0.0100	4.5	20.0
2-Methyl-2-propanol	Ave	0.0115	0.0108		0.187	0.200	-6.5	20.0
Acrylonitrile	Ave	0.0883	0.0806		0.0183	0.0200	-8.7	20.0
Methyl tert-butyl ether	Ave	0.6743	0.6673	0.1000	0.00990	0.0100	-1.0	20.0
trans-1,2-Dichloroethene	Ave	0.2746	0.2868	0.1000	0.0104	0.0100	4.4	20.0
1,1-Dichloroethane	Ave	0.4540	0.4459	0.1000	0.00982	0.0100	-1.8	20.0
Vinyl acetate	Ave	0.0388	0.0374		0.00964	0.0100	-3.6	20.0
2-Butanone (MEK)	Ave	0.0917	0.0840	0.0500	0.0183	0.0200	-8.3	20.0
cis-1,2-Dichloroethene	Ave	0.2910	0.2933	0.1000	0.0101	0.0100	0.8	20.0
2,2-Dichloropropane	Ave	0.2361	0.2655		0.0112	0.0100	12.4	20.0
Bromochloromethane	Ave	0.1431	0.1495		0.0104	0.0100	4.4	20.0
Chloroform	Ave	0.4586	0.4564	0.2000	0.00995	0.0100	-0.5	20.0
1,1,1-Trichloroethane	Ave	0.3330	0.3477	0.1000	0.0104	0.0100	4.4	20.0
Cyclohexane	Ave	0.4179	0.4579	0.1000	0.0110	0.0100	9.6	20.0
1,1-Dichloropropene	Ave	0.3371	0.3422		0.0102	0.0100	1.5	20.0
Carbon tetrachloride	Ave	0.2901	0.2987	0.1000	0.0103	0.0100	3.0	20.0
1,2-Dichloroethane	Ave	0.3198	0.3051	0.1000	0.00954	0.0100	-4.6	20.0
Benzene	Ave	1.090	1.077	0.5000	0.00988	0.0100	-1.2	20.0
Trichloroethene	Ave	0.2783	0.2859	0.2000	0.0103	0.0100	2.8	20.0
1,2-Dichloropropane	Ave	0.2403	0.2440	0.1000	0.0102	0.0100	1.5	20.0
Methylcyclohexane	Ave	0.3663	0.3987	0.1000	0.0109	0.0100	8.8	20.0
Dibromomethane	Ave	0.1430	0.1424		0.00996	0.0100	-0.4	20.0
Bromodichloromethane	Ave	0.2973	0.2948	0.1000	0.00991	0.0100	-0.9	20.0
cis-1,3-Dichloropropene	Ave	0.3410	0.3354	0.1500	0.00984	0.0100	-1.6	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1850	0.1922	0.0500	0.0208	0.0200	3.9	20.0
Toluene	Ave	1.599	1.591	0.4000	0.00995	0.0100	-0.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-69591/2 Calibration Date: 12/20/2012 11:59

Instrument ID: A3UX10 Calib Start Date: 12/14/2012 15:32

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 12/14/2012 17:19

Lab File ID: UXX1587.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
trans-1,3-Dichloropropene	Ave	0.4239	0.3754	0.1000	0.00885	0.0100	-11.5	20.0
1,1,2-Trichloroethane	Ave	0.3101	0.2971	0.1000	0.00958	0.0100	-4.2	20.0
1,3-Dichloropropane	Ave	0.5387	0.5091		0.00945	0.0100	-5.5	20.0
Tetrachloroethene	Ave	0.3273	0.3397	0.2000	0.0104	0.0100	3.8	20.0
2-Hexanone	Ave	0.1765	0.1543	0.0500	0.0175	0.0200	-12.6	20.0
Dibromochloromethane	Ave	0.3172	0.3077		0.00970	0.0100	-3.0	20.0
1,2-Dibromoethane	Ave	0.3051	0.2939		0.00963	0.0100	-3.7	20.0
Chlorobenzene	Ave	1.052	1.033	0.3000	0.00982	0.0100	-1.8	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3595	0.3639		0.0101	0.0100	1.2	20.0
Ethylbenzene	Ave	0.5372	0.5531		0.0103	0.0100	3.0	20.0
m-Xylene & p-Xylene	Ave	0.6797	0.7177		0.0211	0.0200	5.6	20.0
o-Xylene	Ave	0.6537	0.6997		0.0107	0.0100	7.0	20.0
Styrene	Ave	1.074	1.123	0.3000	0.0105	0.0100	4.6	20.0
Bromoform	Ave	0.2062	0.1860	0.1000	0.00902	0.0100	-9.8	20.0
Isopropylbenzene	Ave	1.589	1.705	0.1000	0.0107	0.0100	7.3	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7129	0.6074	0.3000	0.00852	0.0100	-14.8	20.0
Bromobenzene	Ave	0.7626	0.7280		0.00955	0.0100	-4.5	20.0
1,2,3-Trichloropropane	Ave	0.2318	0.2044		0.00882	0.0100	-11.8	20.0
N-Propylbenzene	Ave	0.7378	0.7345		0.00996	0.0100	-0.4	20.0
2-Chlorotoluene	Ave	0.6986	0.6933		0.00992	0.0100	-0.8	20.0
1,3,5-Trimethylbenzene	Ave	2.126	2.225		0.0105	0.0100	4.6	20.0
4-Chlorotoluene	Ave	0.7439	0.7410		0.00996	0.0100	-0.4	20.0
tert-Butylbenzene	Ave	1.903	2.023		0.0106	0.0100	6.3	20.0
1,2,4-Trimethylbenzene	Ave	2.184	2.255		0.0103	0.0100	3.2	20.0
sec-Butylbenzene	Ave	2.376	2.431		0.0102	0.0100	2.3	20.0
1,3-Dichlorobenzene	Ave	1.409	1.401	0.6000	0.00995	0.0100	-0.5	20.0
4-Isopropyltoluene	Ave	2.025	2.093		0.0103	0.0100	3.3	20.0
1,4-Dichlorobenzene	Ave	1.528	1.493	0.5000	0.00977	0.0100	-2.3	20.0
n-Butylbenzene	Ave	1.617	1.597		0.00988	0.0100	-1.2	20.0
1,2-Dichlorobenzene	Ave	1.352	1.345	0.4000	0.00995	0.0100	-0.5	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1064	0.0897	0.0500	0.00843	0.0100	-15.7	20.0
1,2,4-Trichlorobenzene	Ave	0.6371	0.5861	0.2000	0.00920	0.0100	-8.0	20.0
Hexachlorobutadiene	Ave	0.3169	0.2329		0.00735	0.0100	-26.5*	20.0
Naphthalene	Ave	1.546	1.257		0.00813	0.0100	-18.7	20.0
1,2,3-Trichlorobenzene	Ave	0.6235	0.4971		0.00797	0.0100	-20.3*	20.0
Dibromofluoromethane (Surr)	Ave	0.2340	0.2339		0.00999	0.0100	-0.0	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2732	0.2361		0.00864	0.0100	-13.6	20.0
Toluene-d8 (Surr)	Ave	1.295	1.300		0.0100	0.0100	0.4	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4556	0.4536		0.00996	0.0100	-0.4	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121220-16059.b\UXX1587.D
Lims ID: CCVIS L4 8260 Client ID:
Inject. Date: 20-Dec-2012 11:59:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: 240-0016059-002
Misc. Info.: P21220A,8260LLUX10,,1904 =P21220A,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 3
Lims Batch ID: 69591 Lims Sample ID: 2
Sublist: chrom-8260_10*sub25
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121220-16059.b\8260_10.m
Last Update: 21-Dec-2012 08:34:45 Calib Date: 14-Dec-2012 19:27:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK018

First Level Reviewer: quayler Date: 20-Dec-2012 12:17:43

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.207	5.207	0.0	100	2109455	10.0	
* 2 Chlorobenzene-d5	117	7.881	7.881	0.0	83	1518089	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.129	10.129	0.0	90	980489	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.639	4.639	0.0	60	493312	10.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.923	4.923	0.0	0	498027	8.64	
$ 7 Toluene-d8 (Surr)	98	6.568	6.568	0.0	92	1974176	10.0	
$ 8 4-Bromofluorobenzene (Surr)	95	8.993	8.993	0.0	96	688613	9.96	
12 Dichlorodifluoromethane	85	1.562	1.562	0.0	87	512097	13.1	
13 Chloromethane	50	1.693	1.693	0.0	99	701479	10.1	
14 Vinyl chloride	62	1.799	1.799	0.0	82	721111	10.4	
16 Bromomethane	94	2.095	2.095	0.0	88	335674	10.3	
17 Chloroethane	64	2.178	2.178	0.0	99	423291	10.5	
19 Trichlorofluoromethane	101	2.391	2.391	0.0	98	634577	11.3	
21 Acrolein	56	2.710	2.710	0.0	98	563182	89.1	
23 1,1-Dichloroethene	96	2.817	2.817	0.0	95	521480	9.75	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.829	2.829	0.0	82	494497	11.8	
24 Acetone	43	2.829	2.829	0.0	54	218730	17.0	
26 Iodomethane	142	2.947	2.947	0.0	96	902941	10.6	
27 Carbon disulfide	76	3.006	3.006	0.0	99	1807404	11.1	
28 Acetonitrile	41	3.053	3.053	0.0	99	365734	96.8	
30 Methyl acetate	43	3.101	3.101	0.0	95	718625	18.2	
31 Methylene Chloride	84	3.195	3.195	0.0	84	654403	10.4	
32 2-Methyl-2-propanol	59	3.266	3.266	0.0	93	453432	187.0	
33 Acrylonitrile	53	3.385	3.385	0.0	99	339895	18.3	
34 trans-1,2-Dichloroethene	96	3.432	3.432	0.0	68	604909	10.4	
35 Methyl tert-butyl ether	73	3.432	3.432	0.0	90	1407636	9.90	
36 Hexane	86	3.669	3.669	0.0	91	125221	10.9	
37 1,1-Dichloroethane	63	3.775	3.775	0.0	85	940699	9.82	
38 Vinyl acetate	86	3.799	3.799	0.0	96	78869	9.64	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
43 cis-1,2-Dichloroethene	96	4.248	4.248	0.0	69	618678	10.1	
42 2-Butanone (MEK)	43	4.248	4.248	0.0	92	354450	18.3	
44 2,2-Dichloropropane	77	4.260	4.260	0.0	92	559992	11.2	
48 Chlorobromomethane	128	4.450	4.450	0.0	88	315374	10.4	
50 Chloroform	83	4.497	4.497	0.0	81	962761	9.95	
49 Tetrahydrofuran	42	4.497	4.497	0.0	90	115887	8.61	
51 1,1,1-Trichloroethane	97	4.686	4.686	0.0	88	733517	10.4	
52 Cyclohexane	56	4.745	4.745	0.0	87	966005	11.0	
53 1,1-Dichloropropene	75	4.816	4.816	0.0	94	721776	10.2	
54 Carbon tetrachloride	117	4.828	4.828	0.0	87	630131	10.3	
57 Benzene	78	4.982	4.982	0.0	94	2272298	9.88	
56 1,2-Dichloroethane	62	4.982	4.982	0.0	45	643521	9.54	
61 Trichloroethene	130	5.526	5.526	0.0	91	603149	10.3	
64 1,2-Dichloropropane	63	5.704	5.704	0.0	85	514722	10.2	
63 Methylcyclohexane	83	5.704	5.704	0.0	88	840931	10.9	
66 Dibromomethane	93	5.810	5.810	0.0	89	300422	9.96	
67 1,4-Dioxane	88	5.810	5.810	0.0	38	128729	417.8	
68 Dichlorobromomethane	83	5.929	5.929	0.0	99	621768	9.91	
70 2-Chloroethyl vinyl ether	63	6.177	6.177	0.0	90	536695	20.4	
71 cis-1,3-Dichloropropene	75	6.319	6.319	0.0	92	707566	9.84	
72 4-Methyl-2-pentanone (MIBK)	43	6.449	6.449	0.0	95	810794	20.8	
73 Toluene	91	6.627	6.627	0.0	98	2415177	9.95	
74 trans-1,3-Dichloropropene	75	6.804	6.804	0.0	91	569809	8.85	
75 Ethyl methacrylate	69	6.875	6.875	0.0	89	559663	8.81	
76 1,1,2-Trichloroethane	97	6.970	6.970	0.0	83	451003	9.58	
77 1,3-Dichloropropane	76	7.124	7.124	0.0	90	772777	9.45	
78 Tetrachloroethene	164	7.136	7.136	0.0	96	515677	10.4	
79 2-Hexanone	43	7.183	7.183	0.0	94	468405	17.5	
81 Chlorodibromomethane	129	7.337	7.337	0.0	89	467174	9.70	
83 Ethylene Dibromide	107	7.455	7.455	0.0	96	446147	9.63	
85 Chlorobenzene	112	7.905	7.905	0.0	95	1567986	9.82	
86 1,1,1,2-Tetrachloroethane	131	7.976	7.976	0.0	84	552353	10.1	
87 Ethylbenzene	106	8.011	8.011	0.0	97	839714	10.3	
88 m-Xylene & p-Xylene	106	8.118	8.118	0.0	99	2179106	21.1	
89 o-Xylene	106	8.496	8.496	0.0	89	1062189	10.7	
90 Styrene	104	8.508	8.508	0.0	93	1705113	10.5	
91 Bromoform	173	8.686	8.686	0.0	98	282395	9.02	
92 Isopropylbenzene	105	8.851	8.851	0.0	94	2587667	10.7	
95 1,1,2,2-Tetrachloroethane	83	9.112	9.112	0.0	86	595579	8.52	
96 Bromobenzene	156	9.147	9.147	0.0	88	713803	9.55	
97 1,2,3-Trichloropropane	110	9.159	9.159	0.0	74	200427	8.82	
98 trans-1,4-Dichloro-2-butene	53	9.171	9.171	0.0	62	75094	4.35	
99 N-Propylbenzene	120	9.242	9.242	0.0	97	720151	9.96	
100 2-Chlorotoluene	126	9.337	9.337	0.0	98	679752	9.92	
101 1,3,5-Trimethylbenzene	105	9.419	9.419	0.0	93	2181144	10.5	
102 4-Chlorotoluene	126	9.443	9.443	0.0	98	726569	9.96	
103 tert-Butylbenzene	119	9.739	9.739	0.0	88	1983529	10.6	
104 1,2,4-Trimethylbenzene	105	9.786	9.786	0.0	76	2210905	10.3	
105 sec-Butylbenzene	105	9.952	9.952	0.0	91	2384050	10.2	
106 1,3-Dichlorobenzene	146	10.070	10.070	0.0	85	1373645	9.95	
107 4-Isopropyltoluene	119	10.094	10.094	0.0	96	2051877	10.3	
108 1,4-Dichlorobenzene	146	10.153	10.153	0.0	94	1464125	9.77	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
110 n-Butylbenzene	91	10.496	10.496	0.0	95	1566170	9.88	
111 1,2-Dichlorobenzene	146	10.520	10.520	0.0	98	1318304	9.95	
112 1,2-Dibromo-3-Chloropropane	157	11.289	11.289	0.0	78	87919	8.43	
113 1,3,5-Trichlorobenzene	180	11.514	11.514	0.0	97	704718	9.73	
114 1,2,4-Trichlorobenzene	180	12.129	12.129	0.0	92	574622	9.20	
115 Hexachlorobutadiene	225	12.307	12.307	0.0	92	228399	7.35	
116 Naphthalene	128	12.378	12.378	0.0	100	1232017	8.13	
117 1,2,3-Trichlorobenzene	180	12.626	12.626	0.0	98	487351	7.97	
S 119 Trihalomethanes, Total	1				0		38.6	
S 120 1,2-Dichloroethene, Total	96				0		20.5	
S 121 1,3-Dichloropropene, Total	75				0		18.7	
S 122 Xylenes, Total	106				0		31.8	

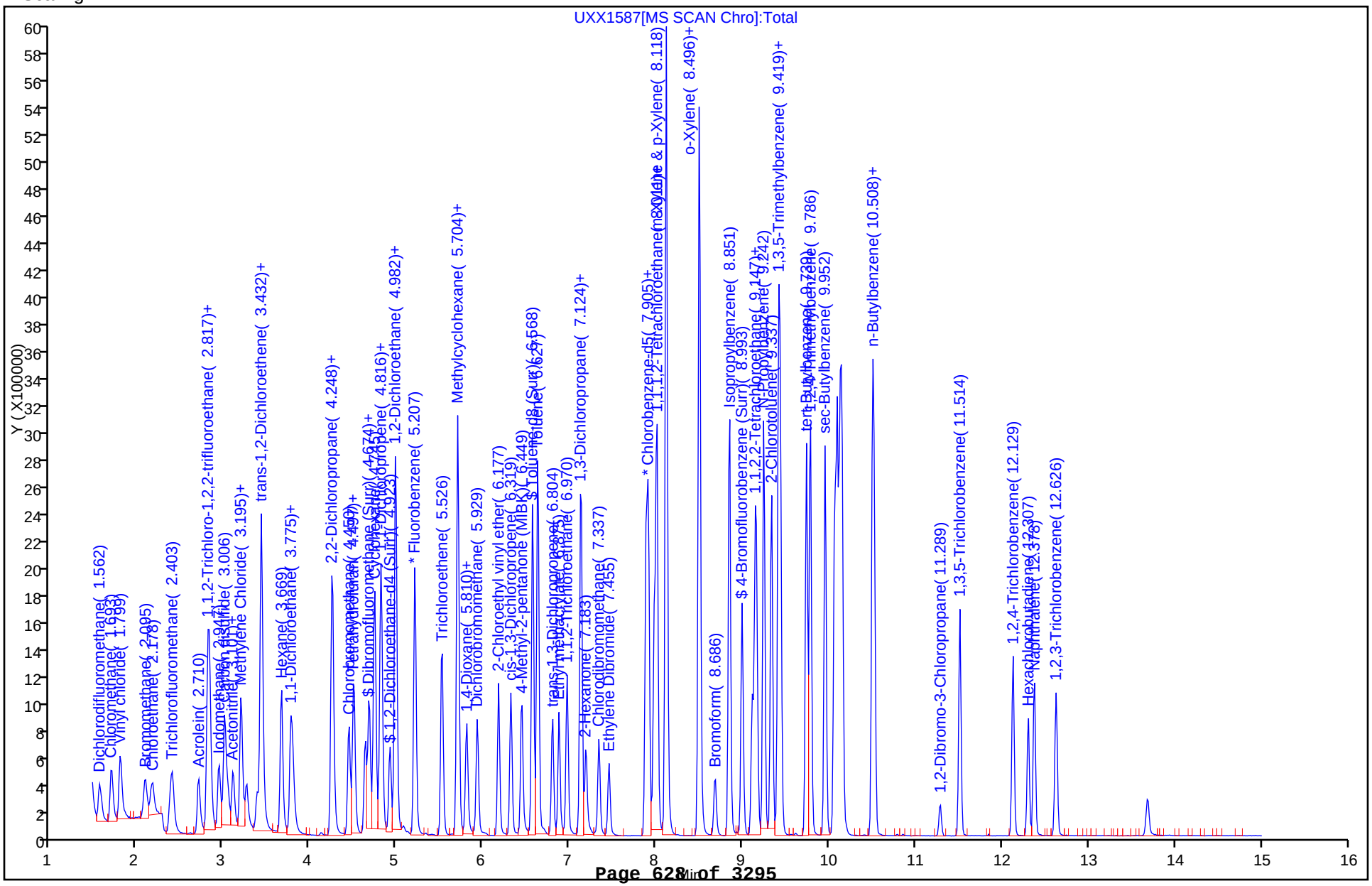
Report Date: 21-Dec-2012 08:34:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121220-16059.b\UXX1587.D

Injection Date:	20-Dec-2012 11:59:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	69591	Lims Sample ID:	2
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: LODV 240-69591/19 Calibration Date: 12/20/2012 18:04

Instrument ID: A3UX10 Calib Start Date: 12/14/2012 15:32

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 12/14/2012 17:19

Lab File ID: UXX1603.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.1849			0.000391	0.000500		
Chloromethane	Ave	0.3300			0.000591	0.000500		
Vinyl chloride	Ave	0.3283			0.000562	0.000500		
Bromomethane	Ave	0.1541			0.000660	0.000500		
Chloroethane	Ave	0.1913			0.000655	0.000500		
Trichlorofluoromethane	Ave	0.2655			0.000564	0.000500		
Acrolein	Ave	0.0300			0.00433	0.00500		
1,1-Dichloroethene	Ave	0.2534			0.000478	0.000500		
Acetone	Lin1				0.00517	0.00500		
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1979			0.000540	0.000500		
Iodomethane	Ave	0.4023			0.000561	0.000500		
Carbon disulfide	Ave	0.7720			0.000535	0.000500		
Acetonitrile	Ave	0.0179			0.00624	0.00500		
Methyl acetate	Ave	0.1872			0.00111	0.00100		
Methylene Chloride	Lin1				0.000500	0.000500		
2-Methyl-2-propanol	Ave	0.0115			0.0119	0.0100		
Acrylonitrile	Ave	0.0883			0.00200	0.00100		
trans-1,2-Dichloroethene	Ave	0.2746			0.000496	0.000500		
Methyl tert-butyl ether	Ave	0.6743			0.000468	0.000500		
Hexane	Ave	0.0546				0.000500		
1,1-Dichloroethane	Ave	0.4540			0.000490	0.000500		
Vinyl acetate	Ave	0.0388			0.000334	0.000500		
2-Butanone (MEK)	Ave	0.0917			0.00464	0.00500		
2,2-Dichloropropane	Ave	0.2361			0.000489	0.000500		
cis-1,2-Dichloroethene	Ave	0.2910			0.000514	0.000500		
Bromochloromethane	Ave	0.1431			0.000528	0.000500		
Tetrahydrofuran	Ave	0.0638				0.000500		
Chloroform	Ave	0.4586			0.000498	0.000500		
1,1,1-Trichloroethane	Ave	0.3330			0.000469	0.000500		
Cyclohexane	Ave	0.4179			0.000452	0.000500		
1,1-Dichloropropene	Ave	0.3371			0.000429	0.000500		

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: LODV 240-69591/19 Calibration Date: 12/20/2012 18:04

Instrument ID: A3UX10 Calib Start Date: 12/14/2012 15:32

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 12/14/2012 17:19

Lab File ID: UXX1603.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	0.2901			0.000474	0.000500		
1,2-Dichloroethane	Ave	0.3198			0.000511	0.000500		
Benzene	Ave	1.090			0.000545	0.000500		
Trichloroethene	Ave	0.2783			0.000472	0.000500		
1,2-Dichloropropane	Ave	0.2403			0.000509	0.000500		
Methylcyclohexane	Ave	0.3663			0.000414	0.000500		
Dibromomethane	Ave	0.1430			0.000505	0.000500		
1,4-Dioxane	Ave	0.0015				0.0250		
Bromodichloromethane	Ave	0.2973			0.000437	0.000500		
2-Chloroethyl vinyl ether	Ave	0.1250				0.00100		
cis-1,3-Dichloropropene	Ave	0.3410			0.000357	0.000500		
4-Methyl-2-pentanone (MIBK)	Ave	0.1850			0.00412	0.00500		
Toluene	Ave	1.599			0.000488	0.000500		
trans-1,3-Dichloropropene	Ave	0.4239			0.000346	0.000500		
Ethyl methacrylate	Lin1					0.000500		
1,1,2-Trichloroethane	Ave	0.3101			0.000483	0.000500		
1,3-Dichloropropane	Ave	0.5387			0.000463	0.000500		
Tetrachloroethene	Ave	0.3273			0.000499	0.000500		
2-Hexanone	Ave	0.1765			0.00392	0.00500		
Dibromochloromethane	Ave	0.3172			0.000410	0.000500		
1,2-Dibromoethane	Ave	0.3051			0.000439	0.000500		
Chlorobenzene	Ave	1.052			0.000467	0.000500		
1,1,1,2-Tetrachloroethane	Ave	0.3595			0.000373	0.000500		
Ethylbenzene	Ave	0.5372			0.000395	0.000500		
m-Xylene & p-Xylene	Ave	0.6797			0.000758	0.00100		
o-Xylene	Ave	0.6537			0.000392	0.000500		
Styrene	Ave	1.074			0.000352	0.000500		
Bromoform	Ave	0.2062			0.000500	0.000500		
Isopropylbenzene	Ave	1.589			0.000361	0.000500		
1,1,2,2-Tetrachloroethane	Ave	0.7129			0.000460	0.000500		

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: LODV 240-69591/19 Calibration Date: 12/20/2012 18:04

Instrument ID: A3UX10 Calib Start Date: 12/14/2012 15:32

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 12/14/2012 17:19

Lab File ID: UXX1603.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Bromobenzene	Ave	0.7626			0.000475	0.000500		
1,2,3-Trichloropropane	Ave	0.2318			0.000479	0.000500		
trans-1,4-Dichloro-2-butene	Ave	0.1763				0.000500		
N-Propylbenzene	Ave	0.7378			0.000362	0.000500		
2-Chlorotoluene	Ave	0.6986			0.000407	0.000500		
1,3,5-Trimethylbenzene	Ave	2.126			0.000341	0.000500		
4-Chlorotoluene	Ave	0.7439			0.000395	0.000500		
tert-Butylbenzene	Ave	1.903			0.000389	0.000500		
1,2,4-Trimethylbenzene	Ave	2.184			0.000355	0.000500		
sec-Butylbenzene	Ave	2.376			0.000365	0.000500		
1,3-Dichlorobenzene	Ave	1.409			0.000487	0.000500		
4-Isopropyltoluene	Ave	2.025			0.000336	0.000500		
1,4-Dichlorobenzene	Ave	1.528			0.000474	0.000500		
n-Butylbenzene	Ave	1.617			0.000372	0.000500		
1,2-Dichlorobenzene	Ave	1.352			0.000489	0.000500		
1,2-Dibromo-3-Chloropropane	Ave	0.1064			0.000500	0.000500		
1,3,5-Trichlorobenzene	Ave	0.7387				0.000500		
1,2,4-Trichlorobenzene	Ave	0.6371			0.000542	0.000500		
Hexachlorobutadiene	Ave	0.3169			0.000577	0.000500		
Naphthalene	Ave	1.546			0.000406	0.000500		
1,2,3-Trichlorobenzene	Ave	0.6235			0.000549	0.000500		
Dibromofluoromethane (Surr)	Ave	0.2340			0.00997	0.0100	100	85-115
1,2-Dichloroethane-d4 (Surr)	Ave	0.2732			0.00924	0.0100	92	70-120
Toluene-d8 (Surr)	Ave	1.295			0.00950	0.0100	95	85-120
4-Bromofluorobenzene (Surr)	Ave	0.4556			0.00962	0.0100	96	75-120

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121220-16059.b\UXX1603.D
Lims ID: LODV Client ID:
Inject. Date: 20-Dec-2012 18:04:30 Dil. Factor: 1.0000
Sample Type: LODV
Sample ID: 240-0016059-019
Misc. Info.: P21220A,8260LLUX10,,1904 =P21220A,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 19
Lims Batch ID: 69591 Lims Sample ID: 19
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121220-16059.b\8260_10.m
Last Update: 21-Dec-2012 08:34:47 Calib Date: 14-Dec-2012 19:27:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK018

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.216	5.204	0.012	100	2011895	10.0	
* 2 Chlorobenzene-d5	117	7.879	7.879	0.0	82	1436313	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.127	10.127	0.0	93	896548	10.0	
$ 4 BFB	95	4.447	3.747	0.700	0	4266	0	
$ 5 Dibromofluoromethane (Surr)	113	4.636	4.639	-0.003	59	469421	9.97	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.920	4.923	-0.003	0	507952	9.24	
$ 7 Toluene-d8 (Surr)	98	6.577	6.568	0.009	92	1767486	9.50	
$ 8 4-Bromofluorobenzene (Surr)	95	8.991	8.993	-0.002	95	629709	9.62	
143 1,3-Diethylbenzene TIC	1		0.000					
9 Benzyl chloride	126		0.000					
10 C6-C12	1		0.000					
11 C6-C10	1		0.000					
12 Dichlorodifluoromethane	85	1.560	1.562	-0.002	57	14539	0.3909	
13 Chloromethane	50	1.702	1.693	0.009	96	39244	0.5910	
14 Vinyl chloride	62	1.797	1.799	-0.002	58	37108	0.5619	
15 Chlorodifluoromethane TIC	1		1.900					
16 Bromomethane	94	2.092	2.095	-0.003	74	20450	0.6596	
17 Chloroethane	64	2.187	2.178	0.009	65	25217	0.6552	
18 Dichlorofluoromethane	67		2.329					
19 Trichlorofluoromethane	101	2.400	2.391	0.009	63	30121	0.5638	
20 Ethyl ether	59		2.613					9
21 Acrolein	56	2.708	2.710	-0.002	69	26106	4.33	
23 1,1-Dichloroethene	96	2.826	2.817	0.009	63	24364	0.4778	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.838	2.829	0.009	47	21482	0.5395	
24 Acetone	43	2.826	2.829	-0.003	97	70783	5.17	
22 Methylal	45		2.851					
26 Iodomethane	142	2.944	2.947	-0.003	89	45395	0.5609	
27 Carbon disulfide	76	3.015	3.006	0.009	96	83093	0.5350	
28 Acetonitrile	41	3.063	3.053	0.010	85	22469	6.24	
30 Methyl acetate	43	3.110	3.101	0.009	85	41622	1.11	
29 3-Chloro-1-propene	76		3.110					
31 Methylene Chloride	84	3.205	3.195	0.010	78	63200	0.2398	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
32 2-Methyl-2-propanol	59	3.264	3.266	-0.002	94	27443	11.9	
33 Acrylonitrile	53	3.394	3.385	0.009	88	18375	1.03	
34 trans-1,2-Dichloroethene	96	3.430	3.432	-0.002	59	27392	0.4958	
35 Methyl tert-butyl ether	73	3.441	3.432	0.009	84	63533	0.4683	
36 Hexane	86	3.678	3.669	0.009	86	4553	0.4142	
37 1,1-Dichloroethane	63	3.773	3.775	-0.002	69	44738	0.4898	
38 Vinyl acetate	86	3.796	3.799	-0.003	92	2609	0.3344	
39 Isopropyl ether	87		3.832					
40 2-Chloro-1,3-butadiene	53		3.856					
41 Tert-butyl ethyl ether	59		4.128					9
43 cis-1,2-Dichloroethene	96	4.258	4.248	0.010	58	30102	0.5141	
42 2-Butanone (MEK)	43	4.246	4.248	-0.002	97	85528	4.64	
44 2,2-Dichloropropane	77	4.258	4.260	-0.002	51	23229	0.4890	
45 Propionitrile	54		4.293					
46 Ethyl acetate	43		4.293					9
47 Methacrylonitrile	41		4.424					9
48 Chlorobromomethane	128	4.447	4.450	-0.003	63	15220	0.5285	
50 Chloroform	83	4.506	4.497	0.009	75	45980	0.4983	
49 Tetrahydrofuran	42	4.494	4.497	-0.003	23	5201	0.4050	
51 1,1,1-Trichloroethane	97	4.684	4.686	-0.002	77	31413	0.4689	
52 Cyclohexane	56	4.743	4.745	-0.002	85	38022	0.4523	
53 1,1-Dichloropropene	75	4.814	4.816	-0.002	85	29116	0.4294	
54 Carbon tetrachloride	117	4.826	4.828	-0.002	72	27655	0.4739	
55 Isobutyl alcohol	41		4.850					9
57 Benzene	78	4.991	4.982	0.009	90	119587	0.5453	
56 1,2-Dichloroethane	62	4.980	4.982	-0.002	37	32864	0.5108	
58 Tert-amyl methyl ether	73		5.062					9
59 n-Heptane	100		5.204					
60 n-Butanol	56		5.406					
61 Trichloroethene	130	5.524	5.526	-0.002	72	26403	0.4716	
62 Ethyl acrylate	55		5.605					9
64 1,2-Dichloropropane	63	5.701	5.704	-0.003	67	24629	0.5094	
63 Methylcyclohexane	83	5.701	5.704	-0.003	82	30487	0.4136	
65 Methyl methacrylate	41		5.784					9
66 Dibromomethane	93	5.808	5.810	-0.002	82	14539	0.5055	
67 1,4-Dioxane	88	5.820	5.810	0.010	1	4539	15.4	
68 Dichlorobromomethane	83	5.926	5.929	-0.003	74	26138	0.4370	
69 2-Nitropropane	41		6.116					
70 2-Chloroethyl vinyl ether	63	6.175	6.177	-0.002	69	18706	0.7440	
71 cis-1,3-Dichloropropene	75	6.317	6.319	-0.002	65	24513	0.3573	
72 4-Methyl-2-pentanone (MIBK)	43	6.447	6.449	-0.002	94	153245	4.12	
73 Toluene	91	6.636	6.627	0.009	93	112154	0.4882	
74 trans-1,3-Dichloropropene	75	6.802	6.804	-0.002	69	21095	0.3465	
75 Ethyl methacrylate	69	6.873	6.875	-0.002	60	19324	0.7987	
76 1,1,2-Trichloroethane	97	6.968	6.970	-0.002	81	21522	0.4831	
77 1,3-Dichloropropane	76	7.133	7.124	0.009	68	35852	0.4634	
78 Tetrachloroethene	164	7.133	7.136	-0.003	86	23470	0.4993	
79 2-Hexanone	43	7.192	7.183	0.009	95	99283	3.92	
80 n-Butyl acetate	56		7.299					9
81 Chlorodibromomethane	129	7.334	7.337	-0.003	61	18695	0.4104	
82 Tetrahydrothiophene	60		7.346					
83 Ethylene Dibromide	107	7.453	7.455	-0.002	67	19229	0.4388	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
84 1-Chlorohexane	91		7.779					
85 Chlorobenzene	112	7.914	7.905	0.009	72	70617	0.4675	
86 1,1,1,2-Tetrachloroethane	131	7.973	7.976	-0.003	67	19273	0.3733	
87 Ethylbenzene	106	8.009	8.011	-0.002	92	30504	0.3953	
88 m-Xylene & p-Xylene	106	8.115	8.118	-0.003	98	73978	0.7577	
89 o-Xylene	106	8.494	8.496	-0.002	84	36789	0.3918	
90 Styrene	104	8.506	8.508	-0.002	91	54302	0.3519	
91 Bromoform	173	8.671	8.686	-0.015	63	11195	0.3781	
92 Isopropylbenzene	105	8.849	8.851	-0.002	87	82361	0.3608	
93 1,4-Dichlorobutane	55		8.931					9
94 Cyclohexanone	55		8.932					9
95 1,1,2,2-Tetrachloroethane	83	9.109	9.112	-0.003	61	29404	0.4601	
96 Bromobenzene	156	9.145	9.147	-0.002	85	32487	0.4752	
97 1,2,3-Trichloropropane	110	9.157	9.159	-0.002	50	9952	0.4789	
98 trans-1,4-Dichloro-2-butene	53	9.168	9.171	-0.003	36	4475	0.2832	
99 N-Propylbenzene	120	9.251	9.242	0.009	90	23931	0.3618	
100 2-Chlorotoluene	126	9.334	9.337	-0.003	91	25498	0.4071	
101 1,3,5-Trimethylbenzene	105	9.417	9.419	-0.002	88	65054	0.3413	
102 4-Chlorotoluene	126	9.441	9.443	-0.002	89	26321	0.3947	
103 tert-Butylbenzene	119	9.736	9.739	-0.003	81	66309	0.3886	
104 1,2,4-Trimethylbenzene	105	9.784	9.786	-0.002	56	69459	0.3547	
105 sec-Butylbenzene	105	9.961	9.952	0.009	75	77710	0.3648	
106 1,3-Dichlorobenzene	146	10.068	10.070	-0.002	86	61453	0.4866	
107 4-Isopropyltoluene	119	10.091	10.094	-0.003	83	60951	0.3357	
108 1,4-Dichlorobenzene	146	10.151	10.153	-0.002	75	64873	0.4736	
109 1,2,3-Trimethylbenzene	105		10.198					9
110 n-Butylbenzene	91	10.506	10.496	0.010	88	54004	0.3725	
111 1,2-Dichlorobenzene	146	10.517	10.520	-0.003	92	59231	0.4888	
112 1,2-Dibromo-3-Chloropropane	157	11.287	11.289	-0.003	10	4247	0.4451	
113 1,3,5-Trichlorobenzene	180	11.511	11.514	-0.003	86	33501	0.5059	
114 1,2,4-Trichlorobenzene	180	12.127	12.129	-0.002	63	30953	0.5419	
115 Hexachlorobutadiene	225	12.304	12.307	-0.003	64	16380	0.5766	
116 Naphthalene	128	12.375	12.378	-0.003	94	56348	0.4064	
117 1,2,3-Trichlorobenzene	180	12.624	12.626	-0.002	77	30695	0.5491	
118 2-Methylnaphthalene	142		13.689					
S 119 Trihalomethanes, Total	1				0		1.72	
S 120 1,2-Dichloroethene, Total	96				0		1.01	
S 121 1,3-Dichloropropene, Total	75				0		0.7038	
S 122 Xylenes, Total	106				0		1.15	
T 123 Butyl Methacrylate TIC	1		9.400					1
T 124 Hexachloroethane TIC	1		10.700					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
9 - Failed A Reference Spectral Test

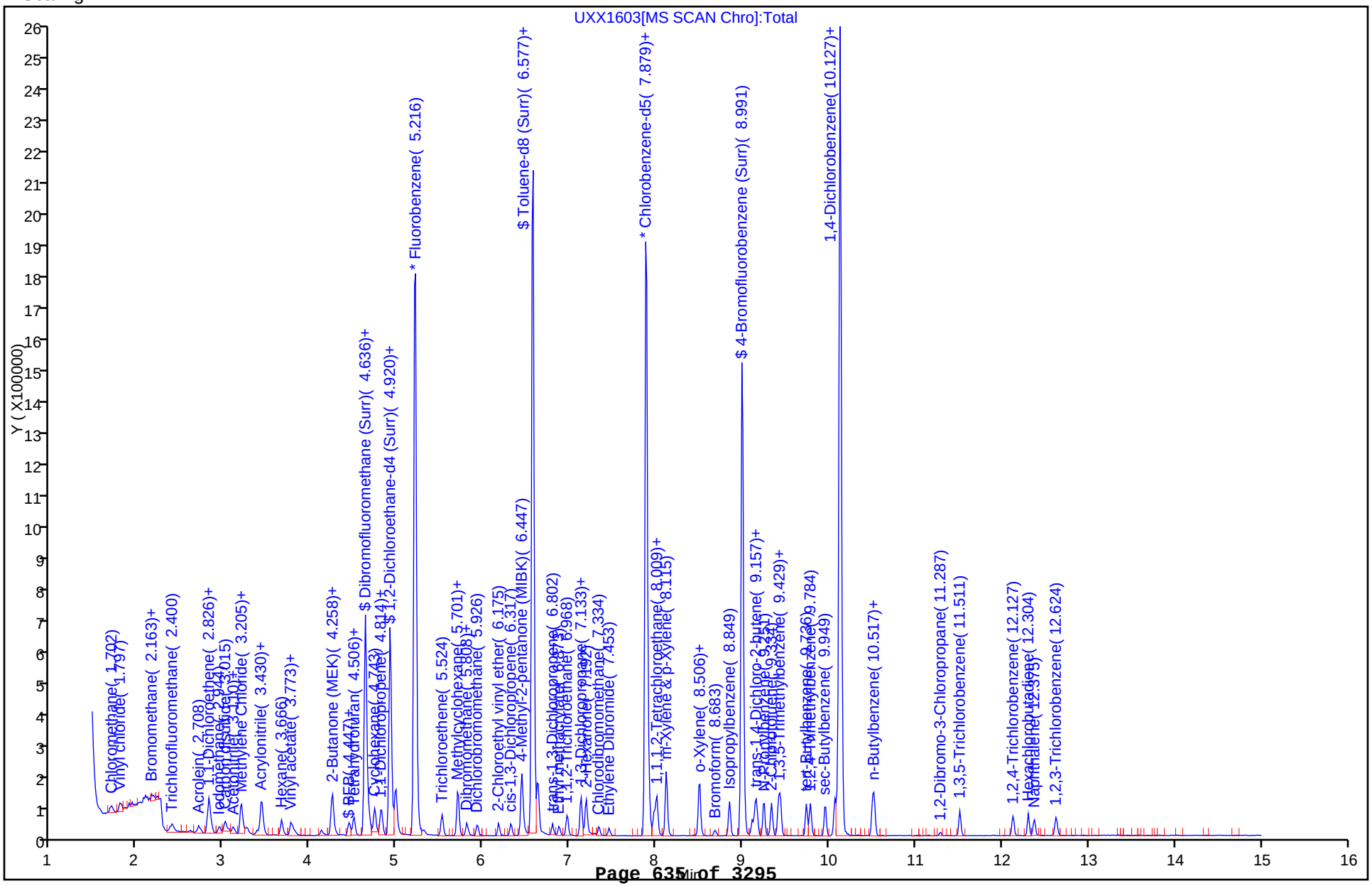
Report Date: 21-Dec-2012 08:54:34 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121220-16059.b\UXX1603.D

Injection Date:	20-Dec-2012 18:04:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	69591	Lims Sample ID:	19
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-70888/2 Calibration Date: 01/02/2013 14:14

Instrument ID: A3UX10 Calib Start Date: 12/14/2012 15:32

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 12/14/2012 17:19

Lab File ID: UXX1984.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.1849	0.2665	0.1000	0.0144	0.0100	44.2*	20.0
Chloromethane	Ave	0.3300	0.3406	0.1000	0.0103	0.0100	3.2	20.0
Vinyl chloride	Ave	0.3283	0.3246	0.1000	0.00989	0.0100	-1.1	20.0
Bromomethane	Ave	0.1541	0.1314	0.0500	0.00853	0.0100	-14.7	20.0
Chloroethane	Ave	0.1913	0.1844	0.0500	0.00964	0.0100	-3.6	20.0
Trichlorofluoromethane	Ave	0.2655	0.2639	0.1000	0.00994	0.0100	-0.6	20.0
1,1-Dichloroethene	Ave	0.2534	0.2488	0.1000	0.00982	0.0100	-1.8	20.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.1979	0.2046	0.0500	0.0103	0.0100	3.4	20.0
Acetone	Lin1		0.0701	0.0500	0.0234	0.0200	16.8	20.0
Iodomethane	Ave	0.4023	0.4220		0.0105	0.0100	4.9	20.0
Carbon disulfide	Ave	0.7720	0.7946	0.1000	0.0103	0.0100	2.9	20.0
Methylene Chloride	Lin1		0.2925	0.1000	0.00980	0.0100	-2.0	20.0
2-Methyl-2-propanol	Ave	0.0115	0.0127		0.220	0.200	10.1	20.0
Methyl tert-butyl ether	Ave	0.6743	0.6201	0.1000	0.00920	0.0100	-8.0	20.0
trans-1,2-Dichloroethene	Ave	0.2746	0.2795	0.1000	0.0102	0.0100	1.8	20.0
1,1-Dichloroethane	Ave	0.4540	0.4468	0.1000	0.00984	0.0100	-1.6	20.0
Vinyl acetate	Ave	0.0388	0.0408		0.0105	0.0100	5.2	20.0
2-Butanone (MEK)	Ave	0.0917	0.0878	0.0500	0.0191	0.0200	-4.3	20.0
cis-1,2-Dichloroethene	Ave	0.2910	0.2949	0.1000	0.0101	0.0100	1.3	20.0
2,2-Dichloropropane	Ave	0.2361	0.2372		0.0100	0.0100	0.5	20.0
Bromochloromethane	Ave	0.1431	0.1479		0.0103	0.0100	3.3	20.0
Chloroform	Ave	0.4586	0.4665	0.2000	0.0102	0.0100	1.7	20.0
1,1,1-Trichloroethane	Ave	0.3330	0.3423	0.1000	0.0103	0.0100	2.8	20.0
1,1-Dichloropropene	Ave	0.3371	0.3365		0.00998	0.0100	-0.2	20.0
Carbon tetrachloride	Ave	0.2901	0.3066	0.1000	0.0106	0.0100	5.7	20.0
1,2-Dichloroethane	Ave	0.3198	0.3141	0.1000	0.00982	0.0100	-1.8	20.0
Benzene	Ave	1.090	1.073	0.5000	0.00984	0.0100	-1.6	20.0
Trichloroethene	Ave	0.2783	0.2868	0.2000	0.0103	0.0100	3.1	20.0
1,2-Dichloropropane	Ave	0.2403	0.2399	0.1000	0.00998	0.0100	-0.2	20.0
Dibromomethane	Ave	0.1430	0.1441		0.0101	0.0100	0.8	20.0
Bromodichloromethane	Ave	0.2973	0.3016	0.1000	0.0101	0.0100	1.4	20.0
cis-1,3-Dichloropropene	Ave	0.3410	0.3363	0.1500	0.00986	0.0100	-1.4	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1850	0.1694	0.0500	0.0183	0.0200	-8.4	20.0
Toluene	Ave	1.599	1.570	0.4000	0.00982	0.0100	-1.8	20.0
trans-1,3-Dichloropropene	Ave	0.4239	0.3852	0.1000	0.00909	0.0100	-9.1	20.0
1,1,2-Trichloroethane	Ave	0.3101	0.2847	0.1000	0.00918	0.0100	-8.2	20.0
1,3-Dichloropropane	Ave	0.5387	0.4925		0.00914	0.0100	-8.6	20.0
Tetrachloroethene	Ave	0.3273	0.3255	0.2000	0.00995	0.0100	-0.5	20.0
2-Hexanone	Ave	0.1765	0.1486	0.0500	0.0168	0.0200	-15.8	20.0
Dibromochloromethane	Ave	0.3172	0.3109		0.00980	0.0100	-2.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-70888/2 Calibration Date: 01/02/2013 14:14

Instrument ID: A3UX10 Calib Start Date: 12/14/2012 15:32

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 12/14/2012 17:19

Lab File ID: UXX1984.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorobenzene	Ave	1.052	1.044	0.3000	0.00993	0.0100	-0.7	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3595	0.3599		0.0100	0.0100	0.1	20.0
Ethylbenzene	Ave	0.5372	0.5475		0.0102	0.0100	1.9	20.0
m-Xylene & p-Xylene	Ave	0.6797	0.7129		0.0210	0.0200	4.9	20.0
o-Xylene	Ave	0.6537	0.6900		0.0106	0.0100	5.5	20.0
Styrene	Ave	1.074	1.137	0.3000	0.0106	0.0100	5.8	20.0
Bromoform	Ave	0.2062	0.1949	0.1000	0.00945	0.0100	-5.5	20.0
Isopropylbenzene	Ave	1.589	1.640	0.1000	0.0103	0.0100	3.2	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7129	0.6087	0.3000	0.00854	0.0100	-14.6	20.0
Bromobenzene	Ave	0.7626	0.7679		0.0101	0.0100	0.7	20.0
1,2,3-Trichloropropane	Ave	0.2318	0.2045		0.00882	0.0100	-11.8	20.0
N-Propylbenzene	Ave	0.7378	0.7744		0.0105	0.0100	5.0	20.0
2-Chlorotoluene	Ave	0.6986	0.7164		0.0103	0.0100	2.5	20.0
1,3,5-Trimethylbenzene	Ave	2.126	2.273		0.0107	0.0100	6.9	20.0
4-Chlorotoluene	Ave	0.7439	0.7752		0.0104	0.0100	4.2	20.0
tert-Butylbenzene	Ave	1.903	2.075		0.0109	0.0100	9.0	20.0
1,2,4-Trimethylbenzene	Ave	2.184	2.319		0.0106	0.0100	6.2	20.0
sec-Butylbenzene	Ave	2.376	2.527		0.0106	0.0100	6.3	20.0
1,3-Dichlorobenzene	Ave	1.409	1.419	0.6000	0.0101	0.0100	0.7	20.0
4-Isopropyltoluene	Ave	2.025	2.180		0.0108	0.0100	7.7	20.0
1,4-Dichlorobenzene	Ave	1.528	1.469	0.5000	0.00962	0.0100	-3.8	20.0
n-Butylbenzene	Ave	1.617	1.661		0.0103	0.0100	2.7	20.0
1,2-Dichlorobenzene	Ave	1.352	1.335	0.4000	0.00987	0.0100	-1.3	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1064	0.0857	0.0500	0.00806	0.0100	-19.4	20.0
1,2,4-Trichlorobenzene	Ave	0.6371	0.6141	0.2000	0.00964	0.0100	-3.6	20.0
Hexachlorobutadiene	Ave	0.3169	0.2944		0.00929	0.0100	-7.1	20.0
Naphthalene	Ave	1.546	1.177		0.00761	0.0100	-23.9*	20.0
1,2,3-Trichlorobenzene	Ave	0.6235	0.5341		0.00857	0.0100	-14.3	20.0
Dibromofluoromethane (Surr)	Ave	0.2340	0.2390		0.0102	0.0100	2.2	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2732	0.2658		0.00973	0.0100	-2.7	20.0
Toluene-d8 (Surr)	Ave	1.295	1.274		0.00984	0.0100	-1.6	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4556	0.4517		0.00992	0.0100	-0.8	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130102-16347.b\UXX1984.D
Lims ID: CCVIS L4 8260 Client ID:
Inject. Date: 02-Jan-2013 14:14:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: 240-0016347-002
Misc. Info.: P30102A,8260LLUX10,,1904 =P30102A,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 1
Lims Batch ID: 70888 Lims Sample ID: 2
Sublist: chrom-8260_10*sub25
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20130102-16347.b\8260_10.m
Last Update: 03-Jan-2013 07:29:20 Calib Date: 14-Dec-2012 19:27:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK036

First Level Reviewer: quayler Date: 02-Jan-2013 14:38:04

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.205	5.205	0.0	100	2126274	10.0	
* 2 Chlorobenzene-d5	117	7.879	7.879	0.0	83	1533613	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.127	10.127	0.0	89	924594	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.625	4.625	0.0	59	508236	10.2	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.921	4.921	0.0	0	565231	9.73	
$ 7 Toluene-d8 (Surr)	98	6.565	6.565	0.0	92	1953689	9.84	
$ 8 4-Bromofluorobenzene (Surr)	95	8.991	8.991	0.0	95	692721	9.92	
12 Dichlorodifluoromethane	85	1.560	1.560	0.0	87	566657	14.4	
13 Chloromethane	50	1.690	1.690	0.0	99	724267	10.3	
14 Vinyl chloride	62	1.797	1.797	0.0	82	690227	9.89	
16 Bromomethane	94	2.081	2.081	0.0	87	279381	8.53	
17 Chloroethane	64	2.163	2.163	0.0	99	392110	9.64	
19 Trichlorofluoromethane	101	2.388	2.388	0.0	98	561020	9.94	
21 Acrolein	56	2.696	2.696	0.0	94	704795	110.6	
23 1,1-Dichloroethene	96	2.802	2.802	0.0	97	528959	9.82	
24 Acetone	43	2.826	2.826	0.0	68	298215	23.4	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.826	2.826	0.0	88	435058	10.3	
26 Iodomethane	142	2.933	2.933	0.0	96	897221	10.5	
27 Carbon disulfide	76	3.004	3.004	0.0	99	1689441	10.3	
28 Acetonitrile	41	3.051	3.051	0.0	98	555110	145.8	
30 Methyl acetate	43	3.098	3.098	0.0	95	704692	17.7	
31 Methylene Chloride	84	3.193	3.193	0.0	81	621972	9.80	
32 2-Methyl-2-propanol	59	3.264	3.264	0.0	96	538096	220.1	
33 Acrylonitrile	53	3.382	3.382	0.0	99	371020	19.8	
34 trans-1,2-Dichloroethene	96	3.430	3.430	0.0	71	594337	10.2	
35 Methyl tert-butyl ether	73	3.430	3.430	0.0	90	1318470	9.20	
36 Hexane	86	3.666	3.666	0.0	92	112788	9.71	
37 1,1-Dichloroethane	63	3.773	3.773	0.0	85	949923	9.84	
38 Vinyl acetate	86	3.796	3.796	0.0	97	86777	10.5	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
42 2-Butanone (MEK)	43	4.234	4.234	0.0	89	373188	19.1	
43 cis-1,2-Dichloroethene	96	4.246	4.246	0.0	81	627029	10.1	
44 2,2-Dichloropropane	77	4.258	4.258	0.0	90	504385	10.0	
48 Chlorobromomethane	128	4.435	4.435	0.0	96	314457	10.3	
49 Tetrahydrofuran	42	4.495	4.495	0.0	90	113287	8.35	
50 Chloroform	83	4.495	4.495	0.0	83	991963	10.2	
51 1,1,1-Trichloroethane	97	4.672	4.672	0.0	89	727763	10.3	
52 Cyclohexane	56	4.743	4.743	0.0	87	872360	9.82	
53 1,1-Dichloropropene	75	4.814	4.814	0.0	94	715506	9.98	
54 Carbon tetrachloride	117	4.826	4.826	0.0	81	651847	10.6	
56 1,2-Dichloroethane	62	4.980	4.980	0.0	45	667888	9.82	
57 Benzene	78	4.980	4.980	0.0	94	2281638	9.84	
61 Trichloroethene	130	5.524	5.524	0.0	91	609798	10.3	
63 Methylcyclohexane	83	5.702	5.702	0.0	87	822598	10.6	
64 1,2-Dichloropropane	63	5.702	5.702	0.0	75	510023	9.98	
66 Dibromomethane	93	5.808	5.808	0.0	87	306372	10.1	
67 1,4-Dioxane	88	5.808	5.808	0.0	85	214441	690.5	
68 Dichlorobromomethane	83	5.926	5.926	0.0	94	641180	10.1	
70 2-Chloroethyl vinyl ether	63	6.175	6.175	0.0	92	494285	18.6	
71 cis-1,3-Dichloropropene	75	6.317	6.317	0.0	93	715046	9.86	
72 4-Methyl-2-pentanone (MIBK)	43	6.447	6.447	0.0	96	720522	18.3	
73 Toluene	91	6.624	6.624	0.0	98	2408476	9.82	
74 trans-1,3-Dichloropropene	75	6.802	6.802	0.0	88	590781	9.09	
75 Ethyl methacrylate	69	6.873	6.873	0.0	88	515748	8.08	
76 1,1,2-Trichloroethane	97	6.968	6.968	0.0	91	436623	9.18	
77 1,3-Dichloropropane	76	7.121	7.121	0.0	90	755344	9.14	
78 Tetrachloroethene	164	7.133	7.133	0.0	90	499239	9.95	
79 2-Hexanone	43	7.181	7.181	0.0	95	455810	16.8	
81 Chlorodibromomethane	129	7.334	7.334	0.0	87	476729	9.80	
83 Ethylene Dibromide	107	7.453	7.453	0.0	97	440570	9.42	
85 Chlorobenzene	112	7.914	7.914	0.0	97	1601621	9.93	
86 1,1,1,2-Tetrachloroethane	131	7.973	7.973	0.0	89	551925	10.0	
87 Ethylbenzene	106	8.009	8.009	0.0	97	839603	10.2	
88 m-Xylene & p-Xylene	106	8.115	8.115	0.0	99	2186732	21.0	
89 o-Xylene	106	8.494	8.494	0.0	90	1058183	10.6	
90 Styrene	104	8.506	8.506	0.0	92	1743477	10.6	
91 Bromoform	173	8.683	8.683	0.0	98	298852	9.45	
92 Isopropylbenzene	105	8.849	8.849	0.0	94	2514966	10.3	
95 1,1,2,2-Tetrachloroethane	83	9.109	9.109	0.0	92	562751	8.54	
96 Bromobenzene	156	9.145	9.145	0.0	88	710029	10.1	
97 1,2,3-Trichloropropane	110	9.157	9.157	0.0	74	189049	8.82	
98 trans-1,4-Dichloro-2-butene	53	9.169	9.169	0.0	72	137384	8.43	
99 N-Propylbenzene	120	9.240	9.240	0.0	97	715999	10.5	
100 2-Chlorotoluene	126	9.334	9.334	0.0	98	662376	10.3	
101 1,3,5-Trimethylbenzene	105	9.417	9.417	0.0	92	2101923	10.7	
102 4-Chlorotoluene	126	9.441	9.441	0.0	96	716698	10.4	
103 tert-Butylbenzene	119	9.736	9.736	0.0	91	1918187	10.9	
104 1,2,4-Trimethylbenzene	105	9.784	9.784	0.0	76	2144272	10.6	
105 sec-Butylbenzene	105	9.949	9.949	0.0	92	2336623	10.6	
106 1,3-Dichlorobenzene	146	10.068	10.068	0.0	97	1312126	10.1	
107 4-Isopropyltoluene	119	10.091	10.091	0.0	96	2015877	10.8	
108 1,4-Dichlorobenzene	146	10.151	10.151	0.0	95	1358390	9.62	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
110 n-Butylbenzene	91	10.506	10.506	0.0	95	1535494	10.3	
111 1,2-Dichlorobenzene	146	10.517	10.517	0.0	98	1234088	9.87	
112 1,2-Dibromo-3-Chloropropane	157	11.287	11.287	0.0	79	79262	8.06	
113 1,3,5-Trichlorobenzene	180	11.511	11.511	0.0	97	738185	10.8	
114 1,2,4-Trichlorobenzene	180	12.127	12.127	0.0	93	567771	9.64	
115 Hexachlorobutadiene	225	12.304	12.304	0.0	93	272216	9.29	
116 Naphthalene	128	12.375	12.375	0.0	100	1088313	7.61	
117 1,2,3-Trichlorobenzene	180	12.624	12.624	0.0	99	493846	8.57	
S 119 Trihalomethanes, Total	1				0		39.6	
S 120 1,2-Dichloroethene, Total	96				0		20.3	
S 121 1,3-Dichloropropene, Total	75				0		19.0	
S 122 Xylenes, Total	106				0		31.5	

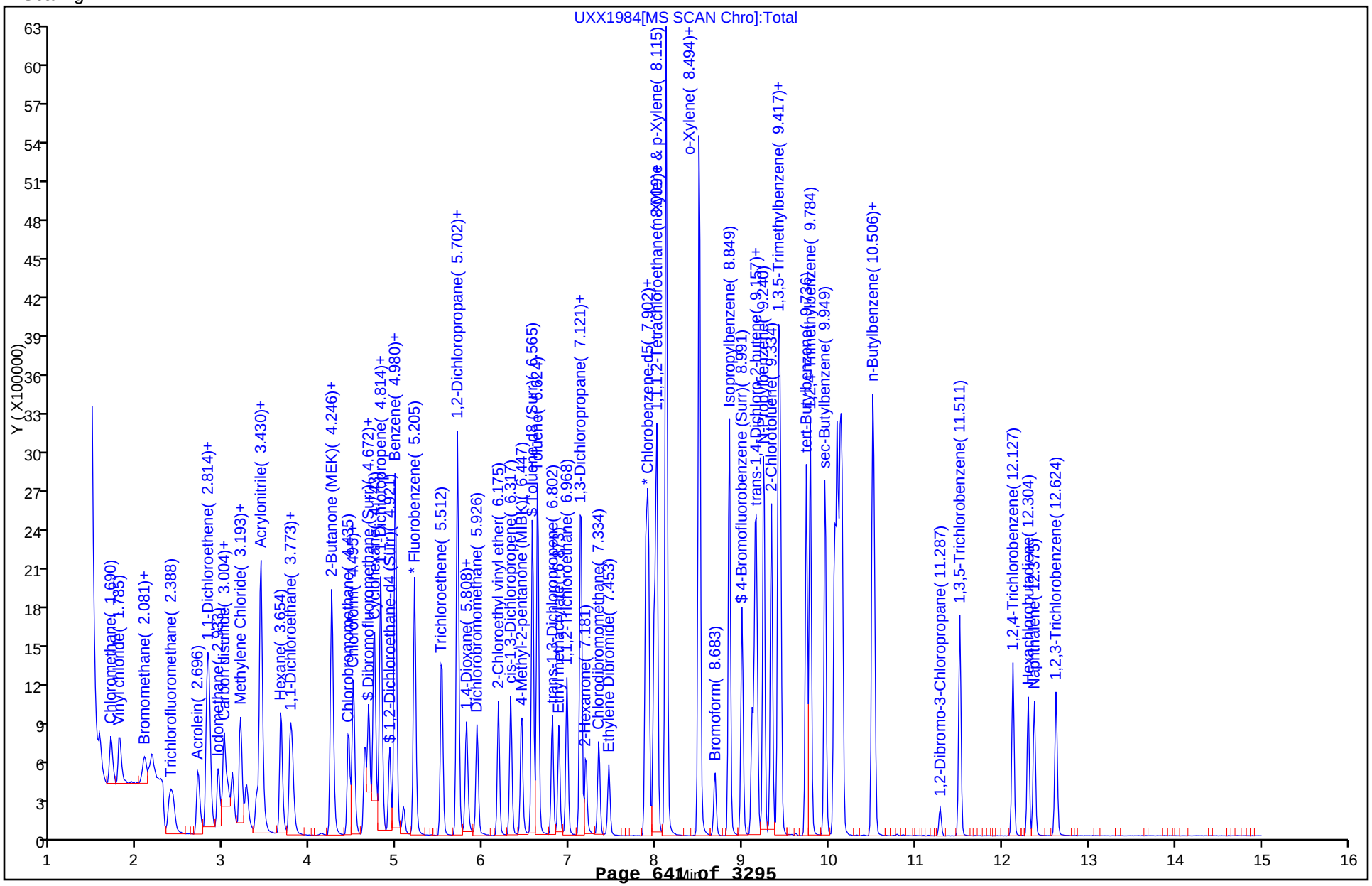
Report Date: 03-Jan-2013 07:29:20 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130102-16347.b\UXX1984.D

Injection Date:	02-Jan-2013 14:14:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	70888	Lims Sample ID:	2
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX10\20121214-15869.b\BFB5078.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	14-Dec-2012 15:04:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:			
Misc. Info.:	P21214A-IC,BFBUX10,,1904 =P21214A-IC,BFBUX10,,1904		
Operator:	1904	Instrument ID:	A3UX10
Purge Vol:	5.000 mL	ALS Bottle#:	7
Lims Batch ID:	68811	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX10\20121214-15869.b\8260_10.m		
Last Update:	17-Dec-2012 09:35:31	Calib Date:	14-Dec-2012 19:27:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK031		
First Level Reviewer: quayler		Date:	14-Dec-2012 16:54:04

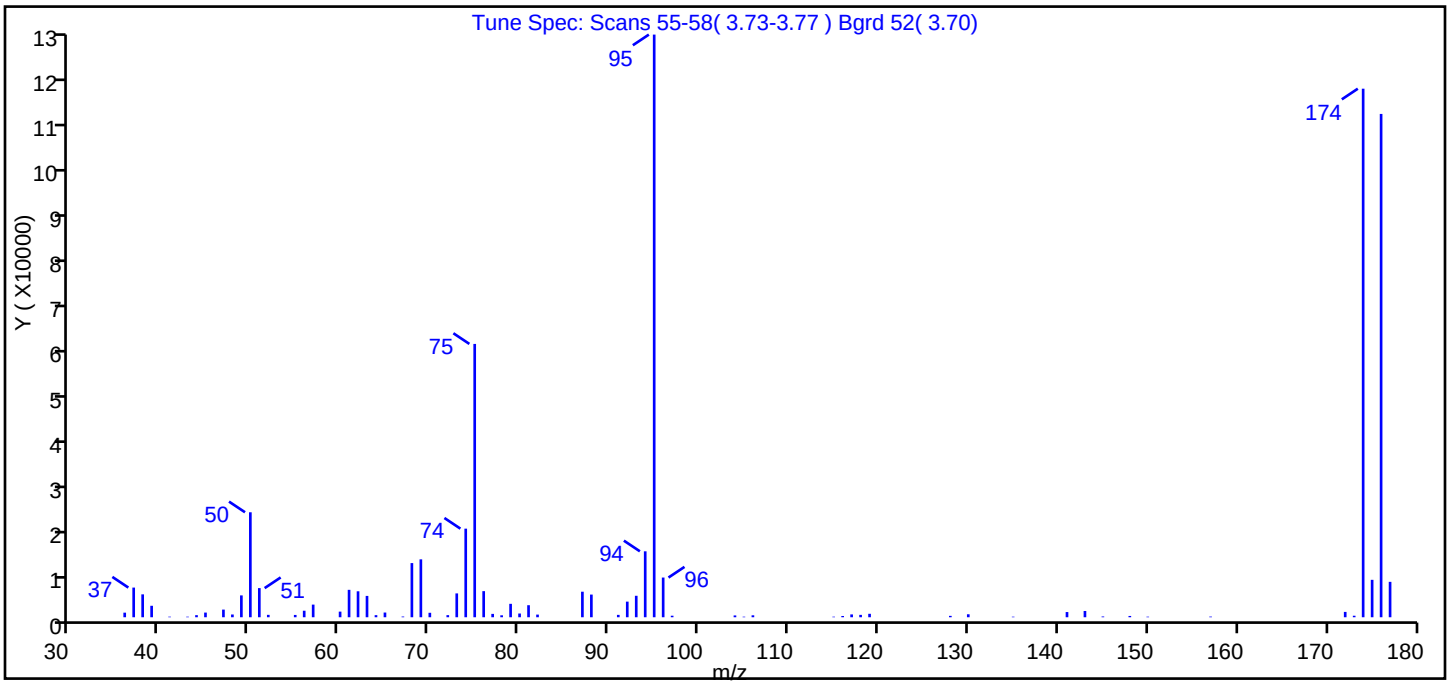
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
$ 4 BFB	95	3.756	3.756	0.0	0	480518	0	

MS Tune Report

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX10\20121214-15869.b\BFB5078.D		
Injection Date:	14-Dec-2012 15:04:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	68811	Lims Sample ID:	1
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm
Tune Method:	BFB Method 8260		

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.02
75	30.00 - 60.00% of mass 95	46.91
96	5.00 - 9.00% of mass 95	6.82
173	Less than 2.00% of mass 174	0.26 (0.29)
174	Greater than 50.00% of mass 95	90.71
175	5.00 - 9.00% of mass 174	6.42 (7.08)
176	95.00 - 101.00% of mass 174	86.38 (95.23)
177	5.00 - 9.00% of mass 176	6.08 (7.04)

Data File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\BFB5078.D\8260_10.rslt\spectra.d
Injection Date: 14-Dec-2012 15:04:30
Spectrum: Tune Spec: Scans 55-58(3.73-3.77) Bgrd 52(3.70)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 70

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1000	61.00	5972	81.00	2623	119.00	753
37.00	6462	62.00	5656	82.00	580	128.00	304
38.00	4988	63.00	4648	87.00	5564	130.00	650
39.00	2499	64.00	458	88.00	4940	135.00	125
41.00	129	65.00	1028	91.00	520	141.00	1134
43.00	125	67.00	160	92.00	3402	143.00	1365
44.00	457	68.00	11797	93.00	4676	145.00	171
45.00	1019	69.00	12612	94.00	14361	148.00	283
47.00	1669	70.00	974	95.00	126896	150.00	127
48.00	603	72.00	461	96.00	8649	157.00	147
49.00	4761	73.00	5194	97.00	335	172.00	1165
50.00	22864	74.00	19296	104.00	396	173.00	331
51.00	6347	75.00	59528	105.00	125	174.00	115112
52.00	525	76.00	5687	106.00	426	175.00	8151
55.00	504	77.00	734	115.00	126	176.00	109616
56.00	1423	78.00	425	116.00	275	177.00	7712
57.00	2756	79.00	2924	117.00	619		
60.00	1226	80.00	815	118.00	520		

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX10\20121220-16059.b\BFB5089.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	20-Dec-2012 10:51:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:			
Misc. Info.:	P21220A,BFBUX10,,1904 =P21220A,BFBUX10,,1904		
Operator:	1904	Instrument ID:	A3UX10
Purge Vol:	5.000 mL	ALS Bottle#:	4
Lims Batch ID:	69591	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX10\20121220-16059.b\8260_10.m		
Last Update:	21-Dec-2012 08:34:44	Calib Date:	14-Dec-2012 19:27:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK018		
First Level Reviewer: quayler		Date:	20-Dec-2012 10:59:33

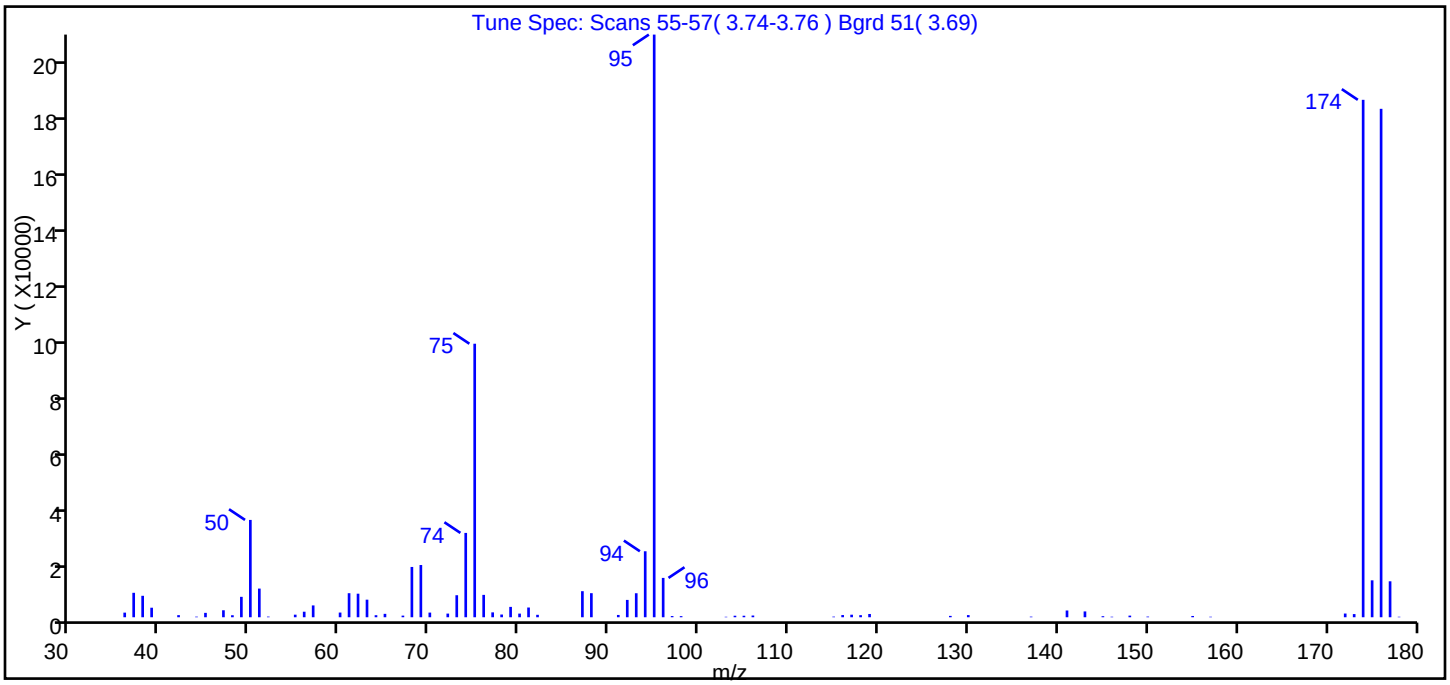
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
$ 4 BFB	95	3.747	3.747	0.0	0	655213	0	

MS Tune Report

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX10\20121220-16059.b\BFB5089.D		
Injection Date:	20-Dec-2012 10:51:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	69591	Lims Sample ID:	1
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm
Tune Method:	BFB Method 8260		

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.71
75	30.00 - 60.00% of mass 95	46.94
96	5.00 - 9.00% of mass 95	6.75
173	Less than 2.00% of mass 174	0.54 (0.61)
174	Greater than 50.00% of mass 95	88.80
175	5.00 - 9.00% of mass 174	6.34 (7.14)
176	95.00 - 101.00% of mass 174	87.26 (98.26)
177	5.00 - 9.00% of mass 176	6.17 (7.07)

Data File: \\NCChrom\ChromData\A3UX10\20121220-16059.b\BFB5089.D\8260_10.rslt\spectra.d
Injection Date: 20-Dec-2012 10:51:30
Spectrum: Tune Spec: Scans 55-57(3.74-3.76) Bgrd 51(3.69)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 74

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1611	63.00	6123	88.00	8385	130.00	752
37.00	8516	64.00	713	91.00	803	137.00	220
38.00	7472	65.00	1189	92.00	6040	141.00	2354
39.00	3324	67.00	569	93.00	8364	143.00	2029
42.00	735	68.00	17520	94.00	22984	145.00	365
44.00	214	69.00	18192	95.00	202944	146.00	188
45.00	1531	70.00	1625	96.00	13707	148.00	568
47.00	2436	72.00	1276	97.00	415	150.00	234
48.00	703	73.00	7674	98.00	384	155.00	445
49.00	7112	74.00	29376	103.00	168	157.00	182
50.00	33904	75.00	95272	104.00	532	172.00	1294
51.00	9985	76.00	7797	105.00	528	173.00	1106
52.00	233	77.00	1702	106.00	602	174.00	180224
55.00	899	78.00	953	115.00	224	175.00	12861
56.00	1931	79.00	3610	116.00	767	176.00	177088
57.00	4121	80.00	1273	117.00	888	177.00	12524
60.00	1637	81.00	3392	118.00	729	178.00	177
61.00	8377	82.00	852	119.00	1140		
62.00	8206	87.00	9077	128.00	477		

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX10\20130102-16347.b\BFB5112.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	02-Jan-2013 13:46:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:			
Misc. Info.:	P30102A,BFBUX10,,1904 =P30102A,BFBUX10,,1904		
Operator:	1904	Instrument ID:	A3UX10
Purge Vol:	5.000 mL	ALS Bottle#:	22
Lims Batch ID:	70888	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX10\20130102-16347.b\8260_10.m		
Last Update:	03-Jan-2013 07:29:18	Calib Date:	14-Dec-2012 19:27:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK036		
First Level Reviewer: quayler		Date:	02-Jan-2013 14:50:31

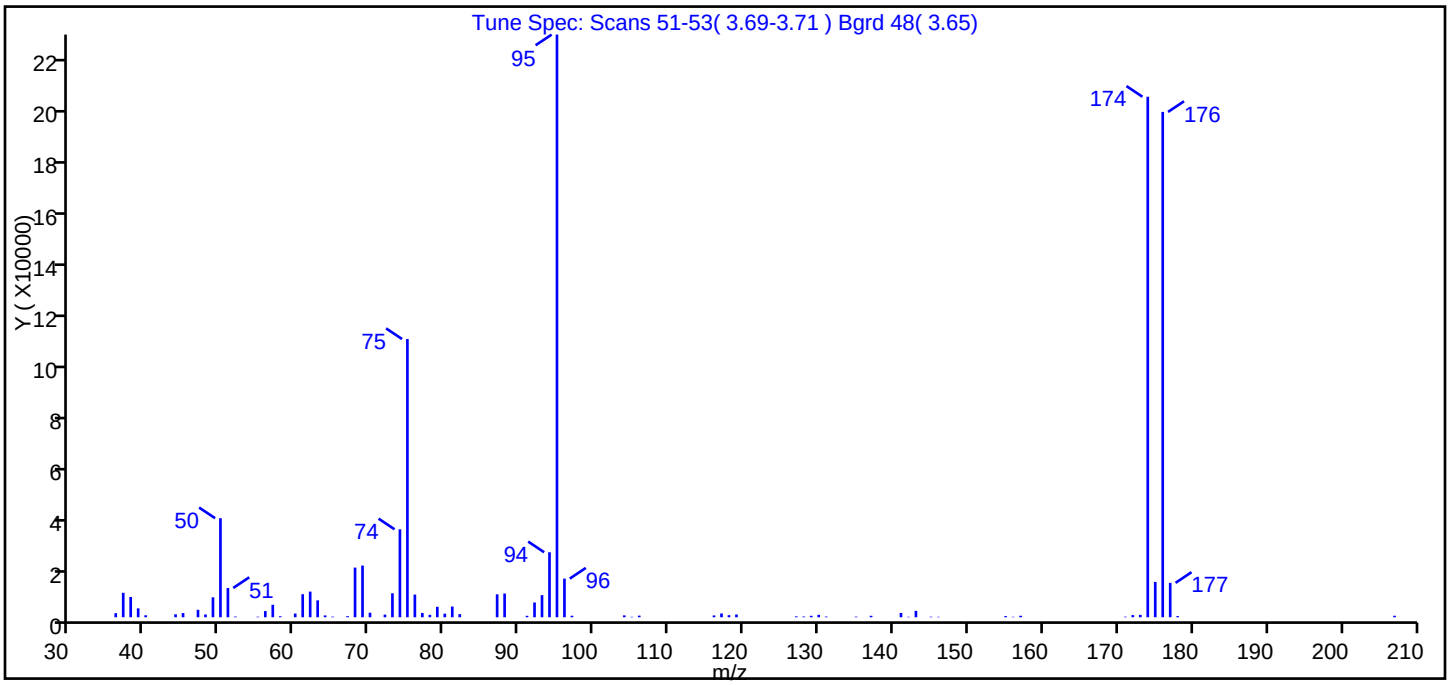
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
$ 4 BFB	95	3.697	3.697	0.0	0	529066	0	

MS Tune Report

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX10\20130102-16347.b\BFB5112.D		
Injection Date:	02-Jan-2013 13:46:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	70888	Lims Sample ID:	1
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm
Tune Method:	BFB Method 8260		

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.00
75	30.00 - 60.00% of mass 95	47.75
96	5.00 - 9.00% of mass 95	6.63
173	Less than 2.00% of mass 174	0.41 (0.46)
174	Greater than 50.00% of mass 95	89.33
175	5.00 - 9.00% of mass 174	6.06 (6.79)
176	95.00 - 101.00% of mass 174	86.73 (97.09)
177	5.00 - 9.00% of mass 176	5.90 (6.81)

Data File: \\NCChrom\ChromData\A3UX10\20130102-16347.b\BFB5112.D\8260_10.rslt\spectra.d
Injection Date: 02-Jan-2013 13:46:30
Spectrum: Tune Spec: Scans 51-53(3.69-3.71) Bgrd 48(3.65)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 78

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1578	63.00	6558	91.00	564	137.00	575
37.00	9493	64.00	715	92.00	5742	141.00	1679
38.00	7878	65.00	250	93.00	8580	142.00	178
39.00	3450	67.00	415	94.00	25232	143.00	2480
40.00	772	68.00	19280	95.00	226176	145.00	219
44.00	1137	69.00	20064	96.00	15003	146.00	183
45.00	1633	70.00	1763	97.00	584	155.00	449
47.00	2884	72.00	1013	104.00	731	156.00	177
48.00	1086	73.00	9312	105.00	179	157.00	584
49.00	7739	74.00	34136	106.00	633	171.00	225
50.00	38448	75.00	108000	116.00	705	172.00	844
51.00	11369	76.00	8806	117.00	1474	173.00	924
52.00	268	77.00	1669	118.00	816	174.00	202048
55.00	214	78.00	951	119.00	1061	175.00	13716
56.00	2410	79.00	4064	127.00	347	176.00	196160
57.00	4833	80.00	1394	128.00	292	177.00	13355
58.00	375	81.00	4156	129.00	570	178.00	452
60.00	1435	82.00	1216	130.00	935	207.00	583
61.00	8952	87.00	8900	131.00	275		
62.00	9955	88.00	9214	135.00	247		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-69591/6

Matrix: Water | Lab File ID: UXX1590.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 12/20/2012 13:05

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 69591 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	0.25	U	1.0	0.25	0.22
79-34-5	1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	0.18
79-00-5	1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.27
75-34-3	1,1-Dichloroethane	0.25	U	1.0	0.25	0.15
75-35-4	1,1-Dichloroethene	0.25	U	1.0	0.25	0.19
107-06-2	1,2-Dichloroethane	0.25	U	1.0	0.25	0.22
540-59-0	1,2-Dichloroethene, Total	0.50	U	2.0	0.50	0.34
78-87-5	1,2-Dichloropropane	0.25	U	1.0	0.25	0.18
78-93-3	2-Butanone (MEK)	0.57	U	10	0.57	0.57
591-78-6	2-Hexanone	0.50	U	10	0.50	0.41
108-10-1	4-Methyl-2-pentanone (MIBK)	0.50	U	10	0.50	0.32
67-64-1	Acetone	1.1	U	10	1.1	1.1
71-43-2	Benzene	0.25	U	1.0	0.25	0.13
75-25-2	Bromoform	0.64	U	1.0	0.64	0.64
74-83-9	Bromomethane	0.50	U	1.0	0.50	0.41
75-15-0	Carbon disulfide	0.25	U	1.0	0.25	0.13
56-23-5	Carbon tetrachloride	0.25	U	1.0	0.25	0.13
108-90-7	Chlorobenzene	0.25	U	1.0	0.25	0.15
74-87-3	Chloromethane	0.50	U	1.0	0.50	0.30
10061-01-5	cis-1,3-Dichloropropene	0.25	U	1.0	0.25	0.14
124-48-1	Dibromochloromethane	0.25	U	1.0	0.25	0.18
75-27-4	Bromodichloromethane	0.25	U	1.0	0.25	0.15
100-41-4	Ethylbenzene	0.25	U	1.0	0.25	0.17
1634-04-4	Methyl tert-butyl ether	0.25	U	1.0	0.25	0.17
75-09-2	Methylene Chloride	0.50	U	1.0	0.50	0.33
100-42-5	Styrene	0.25	U	1.0	0.25	0.11
127-18-4	Tetrachloroethene	0.50	U	1.0	0.50	0.29
108-88-3	Toluene	0.25	U	1.0	0.25	0.13
10061-02-6	trans-1,3-Dichloropropene	0.25	U	1.0	0.25	0.19
79-01-6	Trichloroethene	0.25	U	1.0	0.25	0.17
75-01-4	Vinyl chloride	0.25	U	1.0	0.25	0.22
1330-20-7	Xylenes, Total	0.75	U	2.0	0.75	0.28
67-66-3	Chloroform	0.25	U	1.0	0.25	0.16
74-97-5	Bromochloromethane	0.50	U	1.0	0.50	0.29
106-93-4	1,2-Dibromoethane	0.25	U	1.0	0.25	0.24
75-00-3	Chloroethane	0.50	U	1.0	0.50	0.29

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-69591/6

Matrix: Water Lab File ID: UXX1590.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/20/2012 13:05

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69591 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	95		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		70-120
460-00-4	4-Bromofluorobenzene (Surr)	91		75-120
1868-53-7	Dibromofluoromethane (Surr)	99		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121220-16059.b\UXX1590.D
Lims ID: MB Client ID:
Inject. Date: 20-Dec-2012 13:05:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0016059-006
Misc. Info.: P21220A,8260LLUX10,,1904 =P21220A,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 6
Lims Batch ID: 69591 Lims Sample ID: 6
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121220-16059.b\8260_10.m
Last Update: 21-Dec-2012 08:34:47 Calib Date: 14-Dec-2012 19:27:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK018

First Level Reviewer: quayler Date: 21-Dec-2012 07:40:21

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.216	5.204	0.012	100	2063755	10.0	
* 2 Chlorobenzene-d5	117	7.890	7.879	0.011	83	1478307	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.126	10.127	-0.001	92	841736	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.636	4.639	-0.003	59	478064	9.90	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.920	4.923	-0.003	0	515762	9.15	
$ 7 Toluene-d8 (Surr)	98	6.576	6.568	0.008	92	1819305	9.50	
$ 8 4-Bromofluorobenzene (Surr)	95	8.990	8.993	-0.003	97	613288	9.11	
143 1,3-Diethylbenzene TIC	1		0.000					
9 Benzyl chloride	126		0.000					
10 C6-C12	1		0.000					
11 C6-C10	1		0.000					
12 Dichlorodifluoromethane	85		1.562					
13 Chloromethane	50		1.693					
14 Vinyl chloride	62		1.799					
15 Chlorodifluoromethane TIC	1		1.900					
16 Bromomethane	94		2.095					
17 Chloroethane	64		2.178					
18 Dichlorofluoromethane	67		2.329					
19 Trichlorofluoromethane	101		2.391					
20 Ethyl ether	59		2.613					9
21 Acrolein	56		2.710					9
23 1,1-Dichloroethene	96		2.817					9
25 1,1,2-Trichloro-1,2,2-trifluoroe	151		2.829					
24 Acetone	43	2.825	2.829	-0.004	88	14174	0.2711	
22 Methylal	45		2.851					9
26 Iodomethane	142		2.947					
27 Carbon disulfide	76		3.006					
28 Acetonitrile	41		3.053					
30 Methyl acetate	43		3.101					9
29 3-Chloro-1-propene	76		3.110					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
31 Methylene Chloride	84		3.195					
32 2-Methyl-2-propanol	59		3.266					9
33 Acrylonitrile	53		3.385					
34 trans-1,2-Dichloroethene	96		3.432					
35 Methyl tert-butyl ether	73		3.432					
36 Hexane	86		3.669					
37 1,1-Dichloroethane	63		3.775					
38 Vinyl acetate	86		3.799					
39 Isopropyl ether	87		3.832					
40 2-Chloro-1,3-butadiene	53		3.856					
41 Tert-butyl ethyl ether	59		4.128					
43 cis-1,2-Dichloroethene	96		4.248					
42 2-Butanone (MEK)	43		4.248					
44 2,2-Dichloropropane	77		4.260					
45 Propionitrile	54		4.293					
46 Ethyl acetate	43		4.293					9
47 Methacrylonitrile	41		4.424					
48 Chlorobromomethane	128		4.450					
50 Chloroform	83		4.497					
49 Tetrahydrofuran	42		4.497					
51 1,1,1-Trichloroethane	97		4.686					
52 Cyclohexane	56		4.745					
53 1,1-Dichloropropene	75		4.816					
54 Carbon tetrachloride	117		4.828					
55 Isobutyl alcohol	41		4.850					
57 Benzene	78		4.982					
56 1,2-Dichloroethane	62		4.982					
58 Tert-amyl methyl ether	73		5.062					
59 n-Heptane	100		5.204					
60 n-Butanol	56		5.406					
61 Trichloroethene	130		5.526					
62 Ethyl acrylate	55		5.605					
64 1,2-Dichloropropane	63		5.704					
63 Methylcyclohexane	83		5.704					9
65 Methyl methacrylate	41		5.784					
66 Dibromomethane	93		5.810					
67 1,4-Dioxane	88		5.810					
68 Dichlorobromomethane	83		5.929					
69 2-Nitropropane	41		6.116					
70 2-Chloroethyl vinyl ether	63		6.177					
71 cis-1,3-Dichloropropene	75		6.319					
72 4-Methyl-2-pentanone (MIBK)	43		6.449					
73 Toluene	91		6.627					9
74 trans-1,3-Dichloropropene	75		6.804					
75 Ethyl methacrylate	69		6.875					
76 1,1,2-Trichloroethane	97		6.970					
77 1,3-Dichloropropane	76		7.124					
78 Tetrachloroethene	164		7.136					
79 2-Hexanone	43		7.183					
80 n-Butyl acetate	56		7.299					
81 Chlorodibromomethane	129		7.337					
82 Tetrahydrothiophene	60		7.346					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
83 Ethylene Dibromide	107		7.455					
84 1-Chlorohexane	91		7.779					
85 Chlorobenzene	112		7.905					9
86 1,1,1,2-Tetrachloroethane	131		7.976					
87 Ethylbenzene	106		8.011					9
88 m-Xylene & p-Xylene	106		8.118					9
89 o-Xylene	106		8.496					
90 Styrene	104		8.508					9
91 Bromoform	173		8.686					
92 Isopropylbenzene	105		8.851					9
93 1,4-Dichlorobutane	55		8.931					9
94 Cyclohexanone	55		8.932					9
95 1,1,2,2-Tetrachloroethane	83		9.112					
96 Bromobenzene	156		9.147					
97 1,2,3-Trichloropropane	110		9.159					
98 trans-1,4-Dichloro-2-butene	53		9.171					
99 N-Propylbenzene	120		9.242					
100 2-Chlorotoluene	126		9.337					
101 1,3,5-Trimethylbenzene	105		9.419					9
102 4-Chlorotoluene	126		9.443					
103 tert-Butylbenzene	119		9.739					9
104 1,2,4-Trimethylbenzene	105		9.786					9
105 sec-Butylbenzene	105		9.952					9
106 1,3-Dichlorobenzene	146		10.070					9
107 4-Isopropyltoluene	119		10.094					9
108 1,4-Dichlorobenzene	146		10.153					9
109 1,2,3-Trimethylbenzene	105		10.198					9
110 n-Butylbenzene	91		10.496					9
111 1,2-Dichlorobenzene	146		10.520					9
112 1,2-Dibromo-3-Chloropropane	157		11.289					
113 1,3,5-Trichlorobenzene	180		11.514					9
114 1,2,4-Trichlorobenzene	180		12.129					9
115 Hexachlorobutadiene	225	12.303	12.307	-0.004	20	6394	0.2397	
116 Naphthalene	128	12.374	12.378	-0.004	70	19964	0.1534	
117 1,2,3-Trichlorobenzene	180	12.623	12.626	-0.003	50	11382	0.2169	
118 2-Methylnaphthalene	142		13.689					9
S 119 Trihalomethanes, Total	1		0.000					7
S 120 1,2-Dichloroethene, Total	96		1.140					7
S 121 1,3-Dichloropropene, Total	75		6.760					7
S 122 Xylenes, Total	106		16.530					7
T 123 Butyl Methacrylate TIC	1		9.400					1
T 124 Hexachloroethane TIC	1		10.700					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

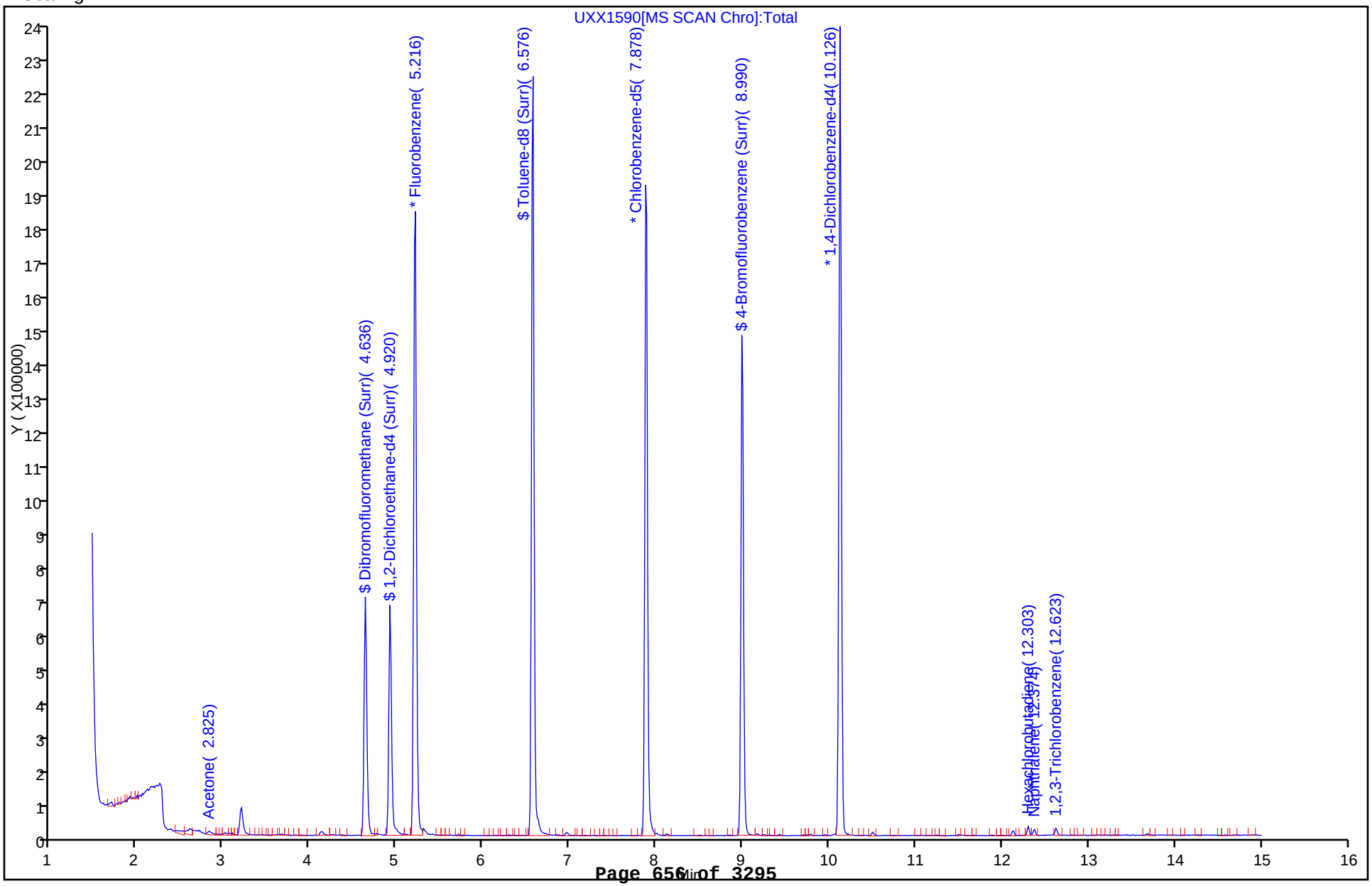
Report Date: 21-Dec-2012 08:34:51 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121220-16059.b\UXX1590.D

Injection Date:	20-Dec-2012 13:05:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	69591	Lims Sample ID:	6
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: LB 240-69292/1-A MB

Matrix: Solid (TCLP) | Lab File ID: UXX1987.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 0.2(mL) | Date Analyzed: 01/02/2013 15:20

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 70888 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
75-35-4	1,1-Dichloroethene	0.013	U	0.025	0.013	0.0095
107-06-2	1,2-Dichloroethane	0.013	U	0.025	0.013	0.011
78-93-3	2-Butanone (MEK)	0.025	U	0.25	0.025	0.029
71-43-2	Benzene	0.013	U	0.025	0.013	0.0065
56-23-5	Carbon tetrachloride	0.013	U	0.025	0.013	0.0065
108-90-7	Chlorobenzene	0.013	U	0.025	0.013	0.0075
127-18-4	Tetrachloroethene	0.025	U	0.025	0.025	0.015
79-01-6	Trichloroethene	0.013	U	0.025	0.013	0.0085
75-01-4	Vinyl chloride	0.013	U	0.025	0.013	0.011
67-66-3	Chloroform	0.013	U	0.025	0.013	0.0080

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	90		90-115
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		80-121
460-00-4	4-Bromofluorobenzene (Surr)	88		70-124
1868-53-7	Dibromofluoromethane (Surr)	104		84-128

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130102-16347.b\UXX1987.D
Lims ID: LB 240-69292/1-A Client ID:
Inject. Date: 02-Jan-2013 15:20:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0016347-005
Misc. Info.: P30102A,8260LLUX10,,1904 =P30102A,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 4
Lims Batch ID: 70888 Lims Sample ID: 5
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20130102-16347.b\8260_10.m
Last Update: 03-Jan-2013 07:29:20 Calib Date: 14-Dec-2012 19:27:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK036

First Level Reviewer: quayler Date: 02-Jan-2013 15:39:53

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.205	5.205	0.0	99	1959125	10.0	
* 2 Chlorobenzene-d5	117	7.879	7.879	0.0	82	1491932	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.127	10.127	0.0	93	777868	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.625	4.625	0.0	60	477944	10.4	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.909	4.921	-0.012	0	522512	9.76	
$ 7 Toluene-d8 (Surr)	98	6.565	6.565	0.0	93	1743604	9.02	
$ 8 4-Bromofluorobenzene (Surr)	95	8.991	8.991	0.0	94	594990	8.75	
11 C6-C10	1		0.000					
10 C6-C12	1		0.000					
9 Benzyl chloride	126		0.000					
143 1,3-Diethylbenzene TIC	1		0.000					
12 Dichlorodifluoromethane	85		1.560					
13 Chloromethane	50		1.690					
14 Vinyl chloride	62		1.797					
15 Chlorodifluoromethane TIC	1		1.900					
16 Bromomethane	94		2.081					9
17 Chloroethane	64		2.163					
18 Dichlorofluoromethane	67		2.329					
19 Trichlorofluoromethane	101		2.388					
20 Ethyl ether	59		2.601					
21 Acrolein	56		2.696					
23 1,1-Dichloroethene	96		2.802					
24 Acetone	43	2.838	2.826	0.012	80	24141	1.22	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151		2.826					
22 Methylal	45		2.851					9
26 Iodomethane	142		2.933					
27 Carbon disulfide	76		3.004					
28 Acetonitrile	41		3.051					9
29 3-Chloro-1-propene	76		3.098					9
30 Methyl acetate	43		3.098					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
31 Methylene Chloride	84		3.193					
32 2-Methyl-2-propanol	59		3.264					
33 Acrylonitrile	53		3.382					
34 trans-1,2-Dichloroethene	96		3.430					
35 Methyl tert-butyl ether	73		3.430					
36 Hexane	86		3.666					
37 1,1-Dichloroethane	63		3.773					
38 Vinyl acetate	86		3.796					
39 Isopropyl ether	87		3.819					
40 2-Chloro-1,3-butadiene	53		3.855					
41 Tert-butyl ethyl ether	59		4.115					
42 2-Butanone (MEK)	43	4.258	4.234	0.024	33	3945	0.2197	
43 cis-1,2-Dichloroethene	96		4.246					
44 2,2-Dichloropropane	77		4.258					
45 Propionitrile	54		4.281					
46 Ethyl acetate	43		4.293					9
47 Methacrylonitrile	41		4.411					
48 Chlorobromomethane	128		4.435					
49 Tetrahydrofuran	42		4.495					19
50 Chloroform	83		4.495					9
51 1,1,1-Trichloroethane	97		4.672					
52 Cyclohexane	56		4.743					
53 1,1-Dichloropropene	75		4.814					
54 Carbon tetrachloride	117		4.826					
55 Isobutyl alcohol	41		4.849					
56 1,2-Dichloroethane	62		4.980					
57 Benzene	78		4.980					9
58 Tert-amyl methyl ether	73		5.062					
59 n-Heptane	100		5.204					
60 n-Butanol	56		5.405					
61 Trichloroethene	130		5.524					
62 Ethyl acrylate	55		5.605					
63 Methylcyclohexane	83		5.702					
64 1,2-Dichloropropane	63		5.702					
65 Methyl methacrylate	41		5.784					9
66 Dibromomethane	93		5.808					
67 1,4-Dioxane	88		5.808					
68 Dichlorobromomethane	83		5.926					
69 2-Nitropropane	41		6.115					
70 2-Chloroethyl vinyl ether	63		6.175					
71 cis-1,3-Dichloropropene	75		6.317					9
72 4-Methyl-2-pentanone (MIBK)	43		6.447					9
73 Toluene	91		6.624					9
74 trans-1,3-Dichloropropene	75		6.802					
75 Ethyl methacrylate	69		6.873					
76 1,1,2-Trichloroethane	97		6.968					
77 1,3-Dichloropropane	76		7.121					
78 Tetrachloroethene	164		7.133					
79 2-Hexanone	43		7.181					9
80 n-Butyl acetate	56		7.298					9
81 Chlorodibromomethane	129		7.334					
82 Tetrahydrothiophene	60		7.346					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
83 Ethylene Dibromide	107		7.453					
84 1-Chlorohexane	91		7.779					9
85 Chlorobenzene	112		7.914					
86 1,1,1,2-Tetrachloroethane	131		7.973					
87 Ethylbenzene	106		8.009					9
88 m-Xylene & p-Xylene	106		8.115					9
89 o-Xylene	106		8.494					9
90 Styrene	104		8.506					9
91 Bromoform	173		8.683					
92 Isopropylbenzene	105		8.849					9
93 1,4-Dichlorobutane	55		8.931					9
94 Cyclohexanone	55		8.931					9
95 1,1,2,2-Tetrachloroethane	83		9.109					
96 Bromobenzene	156		9.145					
97 1,2,3-Trichloropropane	110		9.157					
98 trans-1,4-Dichloro-2-butene	53		9.169					
99 N-Propylbenzene	120		9.240					
100 2-Chlorotoluene	126		9.334					
101 1,3,5-Trimethylbenzene	105		9.417					9
102 4-Chlorotoluene	126		9.441					
103 tert-Butylbenzene	119		9.736					9
104 1,2,4-Trimethylbenzene	105		9.784					9
105 sec-Butylbenzene	105		9.949					9
106 1,3-Dichlorobenzene	146		10.068					9
107 4-Isopropyltoluene	119		10.091					9
108 1,4-Dichlorobenzene	146		10.151					9
109 1,2,3-Trimethylbenzene	105		10.197					9
110 n-Butylbenzene	91		10.506					9
111 1,2-Dichlorobenzene	146		10.517					9
112 1,2-Dibromo-3-Chloropropane	157		11.287					
113 1,3,5-Trichlorobenzene	180		11.511					9
114 1,2,4-Trichlorobenzene	180		12.127					9
115 Hexachlorobutadiene	225	12.304	12.304	0.0	28	5223	0.2119	
116 Naphthalene	128	12.375	12.375	0.0	58	16242	0.1350	
117 1,2,3-Trichlorobenzene	180	12.624	12.624	0.0	30	9337	0.1925	
118 2-Methylnaphthalene	142		13.688					
S 119 Trihalomethanes, Total	1		0.000					7
S 120 1,2-Dichloroethene, Total	96		1.140					7
S 121 1,3-Dichloropropene, Total	75		6.760					7
S 122 Xylenes, Total	106		16.530					7
T 123 Butyl Methacrylate TIC	1		9.400					1
T 124 Hexachloroethane TIC	1		10.700					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

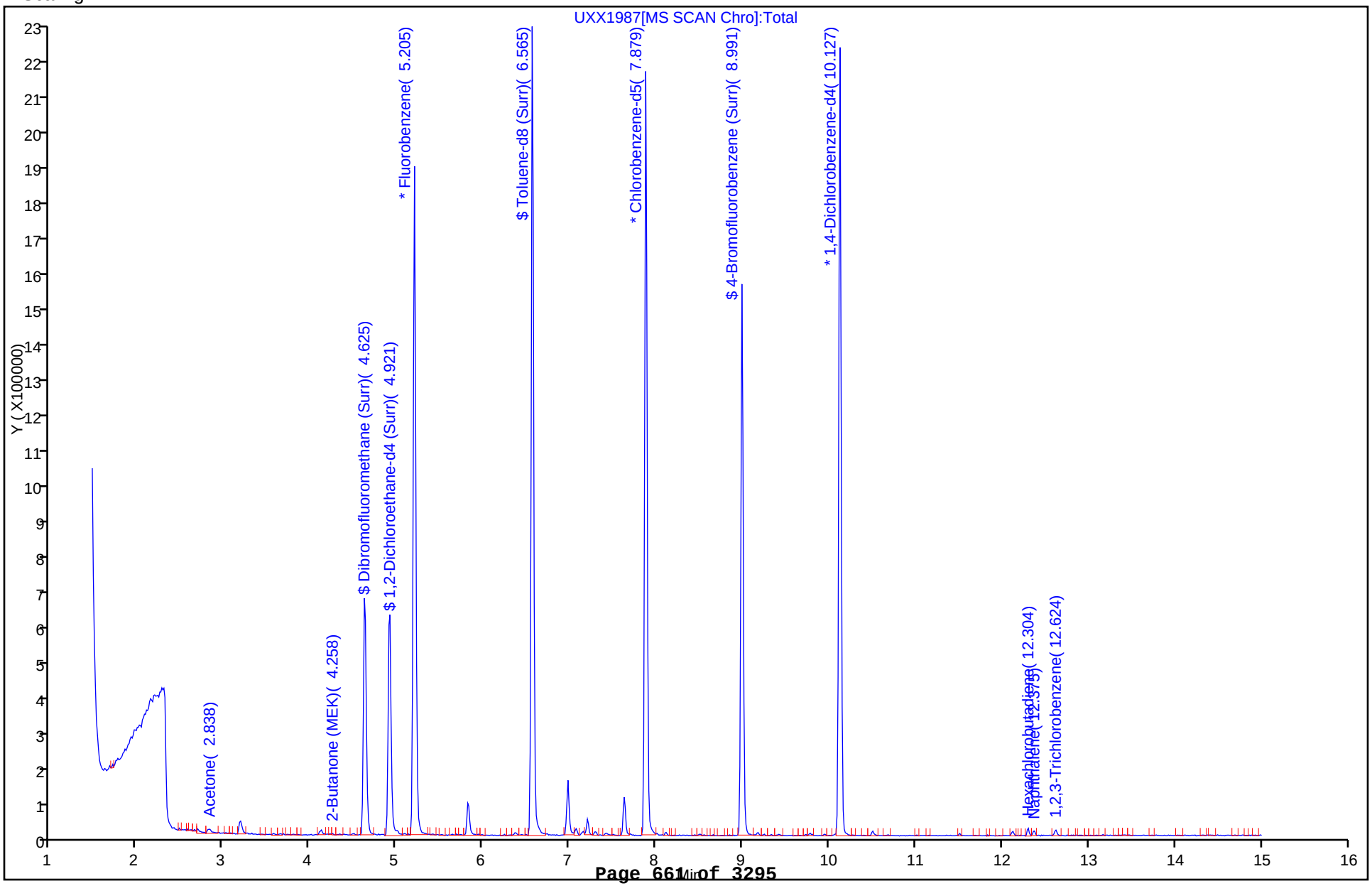
Report Date: 03-Jan-2013 07:29:22 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130102-16347.b\UXX1987.D

Injection Date:	02-Jan-2013 15:20:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	70888	Lims Sample ID:	5
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-69591/4

Matrix: Water | Lab File ID: UXX1588.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 12/20/2012 12:21

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 69591 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	9.73		1.0	0.25	0.22
79-34-5	1,1,2,2-Tetrachloroethane	8.20		1.0	0.25	0.18
79-00-5	1,1,2-Trichloroethane	9.41		1.0	0.50	0.27
75-34-3	1,1-Dichloroethane	9.80		1.0	0.25	0.15
75-35-4	1,1-Dichloroethene	9.70		1.0	0.25	0.19
107-06-2	1,2-Dichloroethane	9.38		1.0	0.25	0.22
540-59-0	1,2-Dichloroethene, Total	19.9		2.0	0.50	0.34
78-87-5	1,2-Dichloropropane	9.91		1.0	0.25	0.18
78-93-3	2-Butanone (MEK)	18.0		10	0.57	0.57
591-78-6	2-Hexanone	17.6		10	0.50	0.41
108-10-1	4-Methyl-2-pentanone (MIBK)	19.8		10	0.50	0.32
67-64-1	Acetone	20.6		10	1.1	1.1
71-43-2	Benzene	9.74		1.0	0.25	0.13
75-25-2	Bromoform	8.65		1.0	0.64	0.64
74-83-9	Bromomethane	8.59		1.0	0.50	0.41
75-15-0	Carbon disulfide	10.2		1.0	0.25	0.13
56-23-5	Carbon tetrachloride	9.96		1.0	0.25	0.13
108-90-7	Chlorobenzene	9.56		1.0	0.25	0.15
74-87-3	Chloromethane	8.62		1.0	0.50	0.30
10061-01-5	cis-1,3-Dichloropropene	9.52		1.0	0.25	0.14
124-48-1	Dibromochloromethane	9.25		1.0	0.25	0.18
75-27-4	Bromodichloromethane	9.81		1.0	0.25	0.15
100-41-4	Ethylbenzene	9.95		1.0	0.25	0.17
1634-04-4	Methyl tert-butyl ether	9.55		1.0	0.25	0.17
75-09-2	Methylene Chloride	9.92		1.0	0.50	0.33
100-42-5	Styrene	10.1		1.0	0.25	0.11
127-18-4	Tetrachloroethene	9.89		1.0	0.50	0.29
108-88-3	Toluene	9.48		1.0	0.25	0.13
10061-02-6	trans-1,3-Dichloropropene	8.78		1.0	0.25	0.19
79-01-6	Trichloroethene	10.2		1.0	0.25	0.17
75-01-4	Vinyl chloride	8.84		1.0	0.25	0.22
1330-20-7	Xylenes, Total	30.2		2.0	0.75	0.28
67-66-3	Chloroform	9.19		1.0	0.25	0.16
74-97-5	Bromochloromethane	9.74		1.0	0.50	0.29
106-93-4	1,2-Dibromoethane	9.16		1.0	0.25	0.24
75-00-3	Chloroethane	9.33		1.0	0.50	0.29

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-69591/4

Matrix: Water Lab File ID: UXX1588.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/20/2012 12:21

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69591 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		70-120
460-00-4	4-Bromofluorobenzene (Surr)	107		75-120
1868-53-7	Dibromofluoromethane (Surr)	98		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121220-16059.b\UXX1588.D
Lims ID: LCS Client ID:
Inject. Date: 20-Dec-2012 12:21:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0016059-004
Misc. Info.: P21220A,8260LLUX10,,1904 =P21220A,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 4
Lims Batch ID: 69591 Lims Sample ID: 4
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121220-16059.b\8260_10.m
Last Update: 21-Dec-2012 08:34:47 Calib Date: 14-Dec-2012 19:27:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK018

First Level Reviewer: quayler Date: 20-Dec-2012 12:42:00

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.207	5.204	0.003	99	2174437	10.0	
* 2 Chlorobenzene-d5	117	7.881	7.879	0.002	82	1587263	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.130	10.127	0.003	89	1025898	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.639	4.639	0.0	60	499548	9.82	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.923	4.923	0.0	0	537518	9.05	
$ 7 Toluene-d8 (Surr)	98	6.568	6.568	0.0	92	2006831	9.76	
$ 8 4-Bromofluorobenzene (Surr)	95	8.994	8.993	0.001	90	776333	10.7	
12 Dichlorodifluoromethane	85	1.563	1.562	0.001	86	341037	8.48	
13 Chloromethane	50	1.705	1.693	0.012	89	618636	8.62	
14 Vinyl chloride	62	1.799	1.799	0.0	97	630949	8.84	
16 Bromomethane	94	2.095	2.095	0.0	88	287829	8.59	
17 Chloroethane	64	2.178	2.178	0.0	98	388066	9.33	
19 Trichlorofluoromethane	101	2.403	2.391	0.012	98	574925	9.96	
20 Ethyl ether	59	2.616	2.613	0.003	89	436292	9.55	
21 Acrolein	56	2.711	2.710	0.0	90	137548	21.1	
23 1,1-Dichloroethene	96	2.817	2.817	0.0	96	534757	9.70	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.841	2.829	0.012	81	506673	11.8	
24 Acetone	43	2.829	2.829	0.0	58	269947	20.6	
26 Iodomethane	142	2.947	2.947	0.0	97	899048	10.3	
27 Carbon disulfide	76	3.018	3.006	0.012	98	1716991	10.2	
28 Acetonitrile	41	3.054	3.053	0.001	94	113918	29.3	
30 Methyl acetate	43	3.113	3.101	0.012	95	321969	7.91	
31 Methylene Chloride	84	3.196	3.195	0.001	80	643611	9.92	
32 2-Methyl-2-propanol	59	3.267	3.266	0.001	94	469871	187.9	
33 Acrylonitrile	53	3.385	3.385	0.0	99	511185	26.6	
34 trans-1,2-Dichloroethene	96	3.444	3.432	0.012	70	591856	9.91	
35 Methyl tert-butyl ether	73	3.432	3.432	0.0	89	1400634	9.55	
36 Hexane	86	3.669	3.669	0.0	91	126900	10.7	
37 1,1-Dichloroethane	63	3.775	3.775	0.0	85	966956	9.80	
38 Vinyl acetate	86	3.799	3.799	0.0	97	107604	12.8	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
39 Isopropyl ether	87	3.835	3.832	0.003	94	519657	10.5	
43 cis-1,2-Dichloroethene	96	4.249	4.248	0.001	80	633492	10.0	
42 2-Butanone (MEK)	43	4.249	4.248	0.001	94	358131	18.0	
44 2,2-Dichloropropane	77	4.261	4.260	0.001	89	532673	10.4	
48 Chlorobromomethane	128	4.450	4.450	0.0	86	303064	9.74	
50 Chloroform	83	4.509	4.497	0.012	80	915997	9.19	
49 Tetrahydrofuran	42	4.497	4.497	0.0	84	117375	8.46	
51 1,1,1-Trichloroethane	97	4.687	4.686	0.001	95	704760	9.73	
52 Cyclohexane	56	4.746	4.745	0.001	87	897464	9.88	
53 1,1-Dichloropropene	75	4.817	4.816	0.001	93	729744	9.96	
54 Carbon tetrachloride	117	4.829	4.828	0.001	83	628300	9.96	
55 Isobutyl alcohol	41	4.852	4.850	0.002	92	564202	429.1	
57 Benzene	78	4.982	4.982	0.0	94	2308891	9.74	
56 1,2-Dichloroethane	62	4.982	4.982	0.0	51	652124	9.38	
61 Trichloroethene	130	5.527	5.526	0.001	91	615691	10.2	
64 1,2-Dichloropropane	63	5.704	5.704	0.0	83	517794	9.91	
63 Methylcyclohexane	83	5.704	5.704	0.0	89	810301	10.2	
66 Dibromomethane	93	5.811	5.810	0.001	85	308827	9.93	
68 Dichlorobromomethane	83	5.929	5.929	0.0	94	634347	9.81	
70 2-Chloroethyl vinyl ether	63	6.178	6.177	0.001	90	250001	9.20	
71 cis-1,3-Dichloropropene	75	6.320	6.319	0.001	90	705729	9.52	
72 4-Methyl-2-pentanone (MIBK)	43	6.450	6.449	0.001	96	797777	19.8	
73 Toluene	91	6.627	6.627	0.0	98	2407469	9.48	
74 trans-1,3-Dichloropropene	75	6.805	6.804	0.001	87	590821	8.78	
76 1,1,2-Trichloroethane	97	6.970	6.970	0.0	84	463202	9.41	
77 1,3-Dichloropropane	76	7.124	7.124	0.0	91	784933	9.18	
78 Tetrachloroethene	164	7.136	7.136	0.0	91	513658	9.89	
79 2-Hexanone	43	7.183	7.183	0.0	96	494037	17.6	
81 Chlorodibromomethane	129	7.337	7.337	0.0	89	465433	9.25	
83 Ethylene Dibromide	107	7.455	7.455	0.0	98	443600	9.16	
85 Chlorobenzene	112	7.905	7.905	0.0	96	1596152	9.56	
86 1,1,1,2-Tetrachloroethane	131	7.976	7.976	0.0	83	542612	9.51	
87 Ethylbenzene	106	8.012	8.011	0.001	97	848644	9.95	
88 m-Xylene & p-Xylene	106	8.118	8.118	0.0	99	2163107	20.0	
89 o-Xylene	106	8.497	8.496	0.001	94	1062866	10.2	
90 Styrene	104	8.509	8.508	0.001	94	1727671	10.1	
91 Bromoform	173	8.686	8.686	0.0	99	283015	8.65	
92 Isopropylbenzene	105	8.852	8.851	0.001	94	2582702	10.2	
94 Cyclohexanone	55	8.935	8.932	0.003	80	976671	172.7	
95 1,1,2,2-Tetrachloroethane	83	9.112	9.112	0.0	81	599813	8.20	
96 Bromobenzene	156	9.148	9.147	0.001	89	721185	9.22	
97 1,2,3-Trichloropropane	110	9.159	9.159	0.0	74	202339	8.51	
98 trans-1,4-Dichloro-2-butene	53	9.171	9.171	0.0	75	178530	9.87	
99 N-Propylbenzene	120	9.242	9.242	0.0	97	746081	9.86	
100 2-Chlorotoluene	126	9.337	9.337	0.0	98	676889	9.44	
101 1,3,5-Trimethylbenzene	105	9.420	9.419	0.001	92	2147772	9.85	
102 4-Chlorotoluene	126	9.432	9.443	-0.011	98	728663	9.55	
103 tert-Butylbenzene	119	9.739	9.739	0.0	89	1989099	10.2	
104 1,2,4-Trimethylbenzene	105	9.787	9.786	0.001	97	2235426	9.98	
105 sec-Butylbenzene	105	9.952	9.952	0.0	92	2375019	9.74	
106 1,3-Dichlorobenzene	146	10.071	10.070	0.0	87	1361955	9.42	
107 4-Isopropyltoluene	119	10.094	10.094	0.0	93	2113757	10.2	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
108 1,4-Dichlorobenzene	146	10.153	10.153	0.0	94	1436433	9.16	
109 1,2,3-Trimethylbenzene	105	10.201	10.198	0.003	87	2198979	10.2	
110 n-Butylbenzene	91	10.496	10.496	0.0	97	1580446	9.53	
111 1,2-Dichlorobenzene	146	10.520	10.520	0.0	99	1307106	9.43	
112 1,2-Dibromo-3-Chloropropane	157	11.289	11.289	0.0	87	94824	8.69	
114 1,2,4-Trichlorobenzene	180	12.129	12.129	0.0	90	560140	8.57	
115 Hexachlorobutadiene	225	12.307	12.307	0.0	92	224233	6.90	
116 Naphthalene	128	12.378	12.378	0.0	100	1286477	8.11	
117 1,2,3-Trichlorobenzene	180	12.626	12.626	0.0	99	511074	7.99	
S 119 Trihalomethanes, Total	1				0		36.9	
S 120 1,2-Dichloroethene, Total	96				0		19.9	
S 122 Xylenes, Total	106				0		30.3	

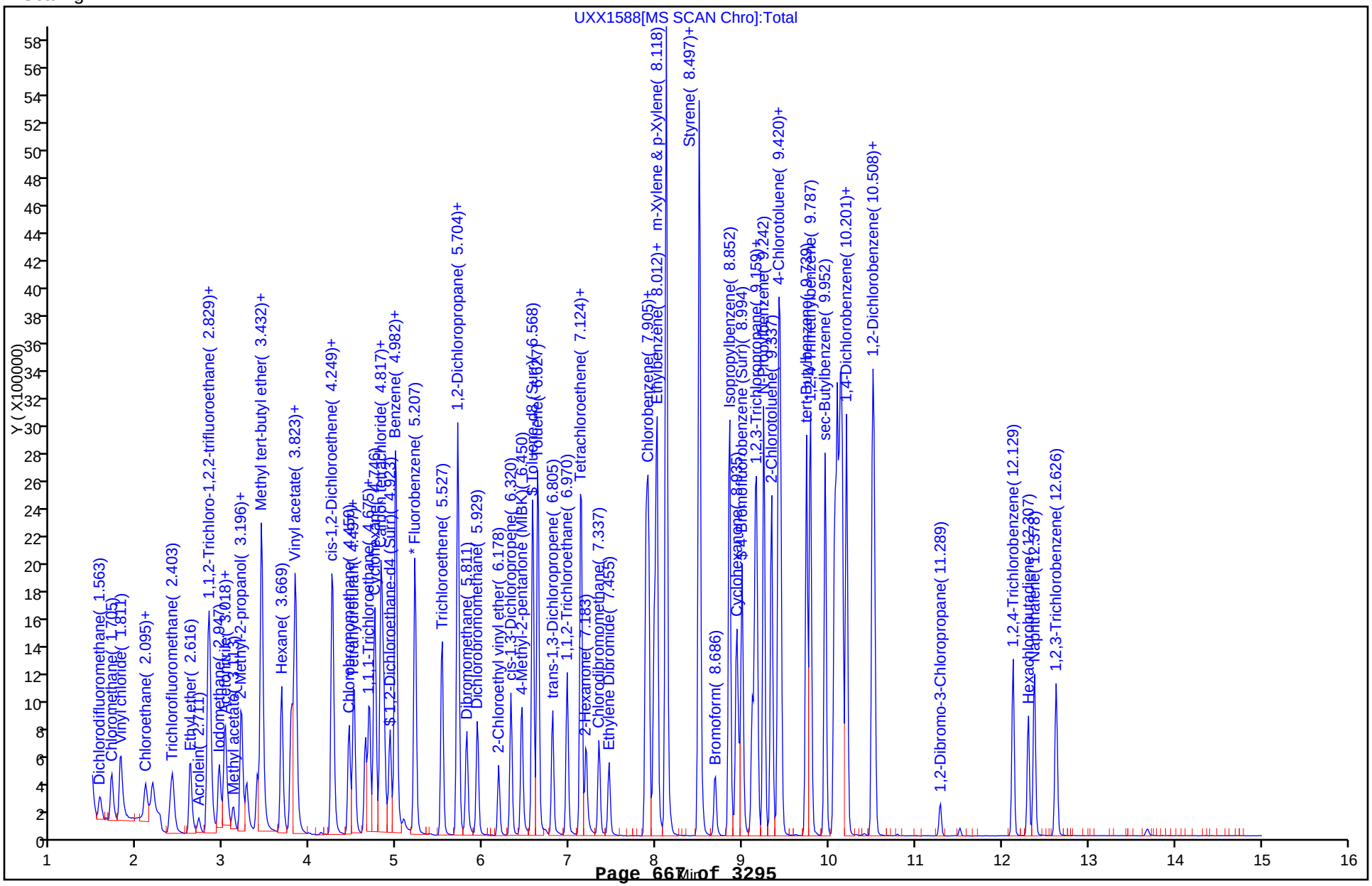
Report Date: 21-Dec-2012 08:34:49 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121220-16059.b\UXX1588.D

Injection Date:	20-Dec-2012 12:21:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	69591	Lims Sample ID:	4
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-70888/3

Matrix: Solid | Lab File ID: UXX1985.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 0.2(mL) | Date Analyzed: 01/02/2013 14:36

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 70888 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
75-35-4	1,1-Dichloroethene	0.257		0.025	0.013	0.0095
107-06-2	1,2-Dichloroethane	0.265		0.025	0.013	0.011
78-93-3	2-Butanone (MEK)	0.487		0.25	0.025	0.029
71-43-2	Benzene	0.262		0.025	0.013	0.0065
56-23-5	Carbon tetrachloride	0.268		0.025	0.013	0.0065
108-90-7	Chlorobenzene	0.250		0.025	0.013	0.0075
127-18-4	Tetrachloroethene	0.251		0.025	0.025	0.015
79-01-6	Trichloroethene	0.270		0.025	0.013	0.0085
75-01-4	Vinyl chloride	0.240		0.025	0.013	0.011
67-66-3	Chloroform	0.252		0.025	0.013	0.0080

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		90-115
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		80-121
460-00-4	4-Bromofluorobenzene (Surr)	97		70-124
1868-53-7	Dibromofluoromethane (Surr)	102		84-128

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130102-16347.b\UXX1985.D
Lims ID: LCS Client ID:
Inject. Date: 02-Jan-2013 14:36:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0016347-003
Misc. Info.: P30102A,8260LLUX10,,1904 =P30102A,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 2
Lims Batch ID: 70888 Lims Sample ID: 3
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20130102-16347.b\8260_10.m
Last Update: 03-Jan-2013 07:29:20 Calib Date: 14-Dec-2012 19:27:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK036

First Level Reviewer: quayler Date: 02-Jan-2013 15:23:16

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.203	5.205	-0.002	100	2132523	10.0	
* 2 Chlorobenzene-d5	117	7.877	7.879	-0.002	83	1566709	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.126	10.127	-0.001	85	833995	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.623	4.625	-0.002	59	508951	10.2	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.919	4.921	-0.002	0	579430	9.94	
$ 7 Toluene-d8 (Surr)	98	6.564	6.565	-0.001	93	2000819	9.86	
$ 8 4-Bromofluorobenzene (Surr)	95	8.990	8.991	-0.001	93	695026	9.74	
12 Dichlorodifluoromethane	85	1.570	1.560	0.010	87	449676	11.4	
13 Chloromethane	50	1.689	1.690	-0.001	89	694985	9.87	
14 Vinyl chloride	62	1.795	1.797	-0.002	97	671585	9.59	
16 Bromomethane	94	2.079	2.081	-0.002	89	256063	7.79	
17 Chloroethane	64	2.174	2.163	0.011	95	373887	9.17	
19 Trichlorofluoromethane	101	2.387	2.388	-0.001	97	513441	9.07	
20 Ethyl ether	59	2.600	2.601	-0.001	88	483876	10.8	
23 1,1-Dichloroethene	96	2.801	2.802	-0.001	96	556400	10.3	
24 Acetone	43	2.825	2.826	-0.001	64	271862	21.2	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.825	2.826	-0.001	81	460808	10.9	
26 Iodomethane	142	2.931	2.933	-0.002	96	942655	11.0	
27 Carbon disulfide	76	3.002	3.004	-0.002	99	1752375	10.6	
30 Methyl acetate	43	3.097	3.098	-0.001	89	352294	8.83	
31 Methylene Chloride	84	3.191	3.193	-0.002	91	633867	9.97	
32 2-Methyl-2-propanol	59	3.262	3.264	-0.002	93	587456	239.6	
34 trans-1,2-Dichloroethene	96	3.428	3.430	-0.002	70	630858	10.8	
35 Methyl tert-butyl ether	73	3.428	3.430	-0.002	91	1384935	9.63	
36 Hexane	86	3.665	3.666	-0.001	92	125388	10.8	
37 1,1-Dichloroethane	63	3.771	3.773	-0.002	96	1022283	10.6	
38 Vinyl acetate	86	3.795	3.796	-0.001	97	112386	13.6	
39 Isopropyl ether	87	3.819	3.819	0.0	95	515542	10.6	
42 2-Butanone (MEK)	43	4.245	4.234	0.011	57	380760	19.5	
43 cis-1,2-Dichloroethene	96	4.245	4.246	-0.001	74	657361	10.6	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
44 2,2-Dichloropropane	77	4.256	4.258	-0.002	79	530796	10.5	
48 Chlorobromomethane	128	4.446	4.435	0.011	88	322562	10.6	
49 Tetrahydrofuran	42	4.493	4.495	-0.002	86	127706	9.38	
50 Chloroform	83	4.493	4.495	-0.002	83	986172	10.1	
51 1,1,1-Trichloroethane	97	4.671	4.672	-0.001	88	745233	10.5	
52 Cyclohexane	56	4.742	4.743	-0.001	87	853695	9.58	
53 1,1-Dichloropropene	75	4.813	4.814	-0.001	95	743081	10.3	
54 Carbon tetrachloride	117	4.824	4.826	-0.002	93	663149	10.7	
55 Isobutyl alcohol	41	4.848	4.849	-0.001	93	714421	550.5	
56 1,2-Dichloroethane	62	4.978	4.980	-0.002	52	722548	10.6	
57 Benzene	78	4.978	4.980	-0.002	94	2433935	10.5	
61 Trichloroethene	130	5.523	5.524	-0.001	92	642042	10.8	
63 Methylcyclohexane	83	5.700	5.702	-0.002	86	781508	10.0	
64 1,2-Dichloropropane	63	5.700	5.702	-0.002	77	536542	10.5	
66 Dibromomethane	93	5.807	5.808	-0.001	85	321741	10.6	
68 Dichlorobromomethane	83	5.925	5.926	-0.001	100	677361	10.7	
70 2-Chloroethyl vinyl ether	63	6.173	6.175	-0.002	92	236405	8.87	
71 cis-1,3-Dichloropropene	75	6.315	6.317	-0.002	92	739036	10.2	
72 4-Methyl-2-pentanone (MIBK)	43	6.446	6.447	-0.001	95	770474	19.5	
73 Toluene	91	6.623	6.624	-0.001	99	2507542	10.0	
74 trans-1,3-Dichloropropene	75	6.800	6.802	-0.002	88	659169	9.93	
76 1,1,2-Trichloroethane	97	6.966	6.968	-0.002	91	484652	9.97	
77 1,3-Dichloropropane	76	7.120	7.121	-0.001	89	822541	9.75	
78 Tetrachloroethene	164	7.132	7.133	-0.001	96	514983	10.0	
79 2-Hexanone	43	7.191	7.181	0.010	95	513615	18.6	
81 Chlorodibromomethane	129	7.333	7.334	-0.001	89	500823	10.1	
83 Ethylene Dibromide	107	7.451	7.453	-0.002	97	470761	9.85	
85 Chlorobenzene	112	7.913	7.914	-0.001	97	1648728	10.0	
86 1,1,1,2-Tetrachloroethane	131	7.972	7.973	-0.001	85	570726	10.1	
87 Ethylbenzene	106	8.007	8.009	-0.002	97	873721	10.4	
88 m-Xylene & p-Xylene	106	8.114	8.115	-0.001	99	2244330	21.1	
89 o-Xylene	106	8.493	8.494	-0.001	91	1064605	10.4	
90 Styrene	104	8.504	8.506	-0.002	92	1790831	10.6	
91 Bromoform	173	8.682	8.683	-0.001	98	306758	9.50	
92 Isopropylbenzene	105	8.848	8.849	-0.001	94	2487569	10.0	
94 Cyclohexanone	55	8.930	8.931	-0.001	85	176367	38.4	
95 1,1,2,2-Tetrachloroethane	83	9.108	9.109	-0.001	92	579244	9.74	
96 Bromobenzene	156	9.143	9.145	-0.002	89	704032	11.1	
97 1,2,3-Trichloropropane	110	9.155	9.157	-0.002	72	194519	10.1	
98 trans-1,4-Dichloro-2-butene	53	9.167	9.169	-0.001	78	270858	18.4	
99 N-Propylbenzene	120	9.250	9.240	0.010	98	734124	11.9	
100 2-Chlorotoluene	126	9.333	9.334	-0.001	97	633406	10.9	
101 1,3,5-Trimethylbenzene	105	9.416	9.417	-0.001	92	1945527	11.0	
102 4-Chlorotoluene	126	9.439	9.441	-0.002	97	695429	11.2	
103 tert-Butylbenzene	119	9.735	9.736	-0.001	90	1759939	11.1	
104 1,2,4-Trimethylbenzene	105	9.782	9.784	-0.002	76	1963413	10.8	
105 sec-Butylbenzene	105	9.948	9.949	-0.001	93	2065566	10.4	
106 1,3-Dichlorobenzene	146	10.066	10.068	-0.002	97	1192909	10.2	
107 4-Isopropyltoluene	119	10.090	10.091	-0.001	93	1798749	10.7	
108 1,4-Dichlorobenzene	146	10.149	10.151	-0.002	95	1236098	9.70	
109 1,2,3-Trimethylbenzene	105	10.197	10.197	-0.001	95	1866546	10.6	
110 n-Butylbenzene	91	10.504	10.506	-0.002	96	1311194	9.72	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
111 1,2-Dichlorobenzene	146	10.516	10.517	-0.001	98	1068693	9.48	
112 1,2-Dibromo-3-Chloropropane	157	11.285	11.287	-0.002	76	70134	7.90	
114 1,2,4-Trichlorobenzene	180	12.125	12.127	-0.002	92	377221	7.10	
115 Hexachlorobutadiene	225	12.303	12.304	-0.001	94	168151	6.36	
116 Naphthalene	128	12.374	12.375	-0.001	100	769670	5.97	
117 1,2,3-Trichlorobenzene	180	12.622	12.624	-0.002	99	353593	6.80	
S 119 Trihalomethanes, Total	1				0		40.3	
S 120 1,2-Dichloroethene, Total	96				0		21.4	
S 122 Xylenes, Total	106				0		31.5	

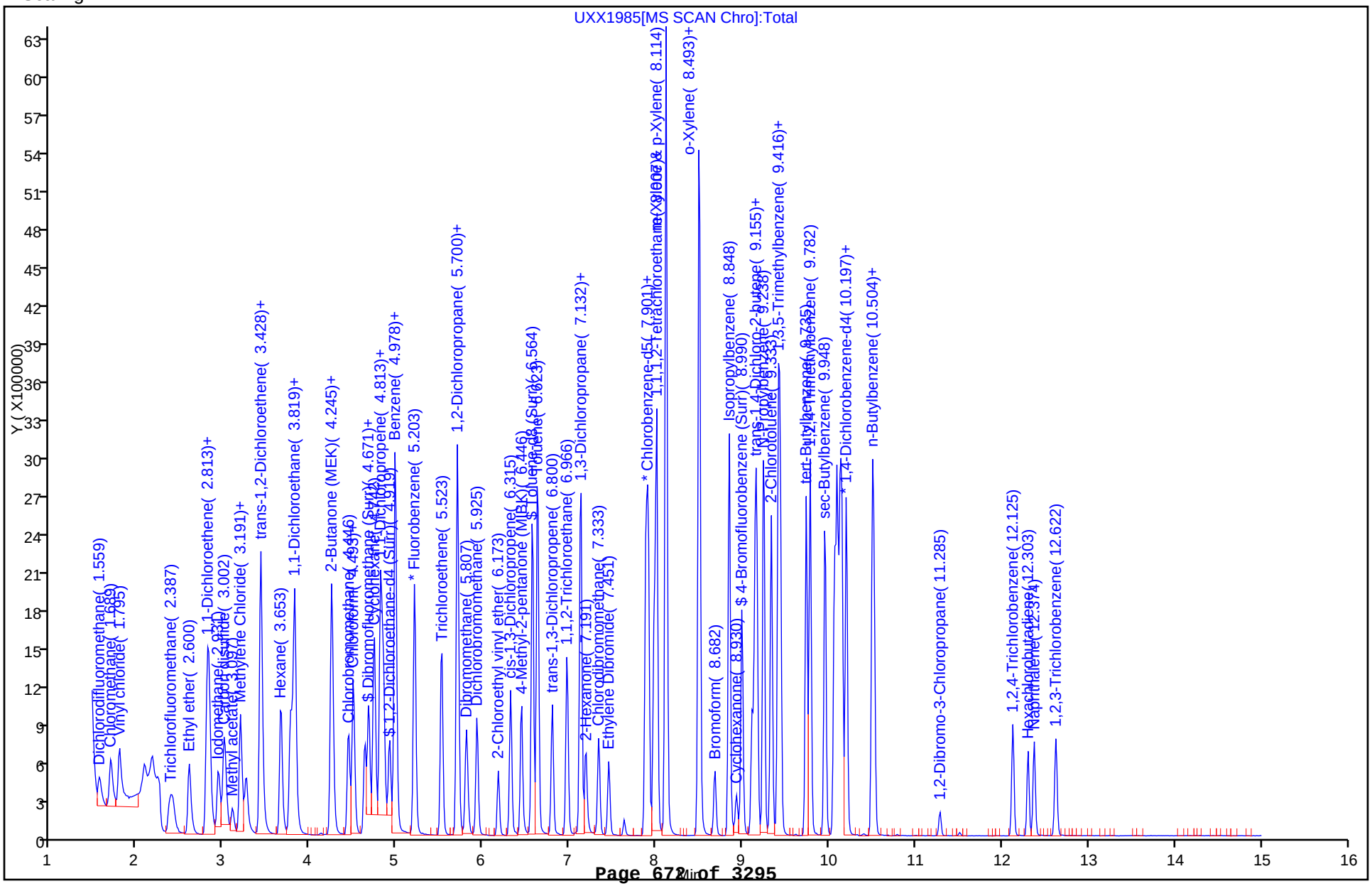
Report Date: 03-Jan-2013 07:29:20 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130102-16347.b\UXX1985.D

Injection Date:	02-Jan-2013 14:36:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	70888	Lims Sample ID:	3
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-69591/5

Matrix: Water | Lab File ID: UXX1589.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 12/20/2012 12:43

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 69591 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	0.000965	J	0.0010	0.00025	0.00022
79-34-5	1,1,2,2-Tetrachloroethane	0.000928	J	0.0010	0.00025	0.00018
79-00-5	1,1,2-Trichloroethane	0.000894	J	0.0010	0.00050	0.00027
75-34-3	1,1-Dichloroethane	0.000865	J	0.0010	0.00025	0.00015
75-35-4	1,1-Dichloroethene	0.000938	J	0.0010	0.00025	0.00019
107-06-2	1,2-Dichloroethane	0.000901	J	0.0010	0.00025	0.00022
540-59-0	1,2-Dichloroethene, Total	0.00185	J	0.0020	0.00050	0.00034
78-87-5	1,2-Dichloropropane	0.000908	J	0.0010	0.00025	0.00018
78-93-3	2-Butanone (MEK)	0.00922	J	0.010	0.00050	0.00057
591-78-6	2-Hexanone	0.00828	J	0.010	0.00050	0.00041
108-10-1	4-Methyl-2-pentanone (MIBK)	0.00899	J	0.010	0.00050	0.00032
67-64-1	Acetone	0.00910	J	0.010	0.0010	0.0011
71-43-2	Benzene	0.000979	J	0.0010	0.00025	0.00013
75-25-2	Bromoform	0.000679	J ^	0.0010	0.00050	0.00064
74-83-9	Bromomethane	0.00103		0.0010	0.00050	0.00041
75-15-0	Carbon disulfide	0.00102		0.0010	0.00025	0.00013
56-23-5	Carbon tetrachloride	0.000896	J	0.0010	0.00025	0.00013
108-90-7	Chlorobenzene	0.000910	J	0.0010	0.00025	0.00015
74-87-3	Chloromethane	0.000961	J	0.0010	0.00050	0.00030
10061-01-5	cis-1,3-Dichloropropene	0.000779	J	0.0010	0.00025	0.00014
124-48-1	Dibromochloromethane	0.000754	J	0.0010	0.00025	0.00018
75-27-4	Bromodichloromethane	0.000865	J	0.0010	0.00025	0.00015
100-41-4	Ethylbenzene	0.000799	J	0.0010	0.00025	0.00017
1634-04-4	Methyl tert-butyl ether	0.000889	J	0.0010	0.00025	0.00017
75-09-2	Methylene Chloride	0.00105		0.0010	0.00050	0.00033
100-42-5	Styrene	0.000737	J	0.0010	0.00025	0.00011
127-18-4	Tetrachloroethene	0.000980	J	0.0010	0.00050	0.00029
108-88-3	Toluene	0.000959	J	0.0010	0.00025	0.00013
10061-02-6	trans-1,3-Dichloropropene	0.000696	J	0.0010	0.00025	0.00019
79-01-6	Trichloroethene	0.000960	J	0.0010	0.00025	0.00017
75-01-4	Vinyl chloride	0.000959	J	0.0010	0.00025	0.00022
1330-20-7	Xylenes, Total	0.00253		0.0020	0.00075	0.00028
67-66-3	Chloroform	0.000918	J	0.0010	0.00025	0.00016
74-97-5	Bromochloromethane	0.000922	J	0.0010	0.00050	0.00029
106-93-4	1,2-Dibromoethane	0.000879	J	0.0010	0.00025	0.00024
75-00-3	Chloroethane	0.000981	J	0.0010	0.00050	0.00029

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-69591/5

Matrix: Water Lab File ID: UXX1589.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/20/2012 12:43

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69591 Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		50-150
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		50-150
460-00-4	4-Bromofluorobenzene (Surr)	97		50-150
1868-53-7	Dibromofluoromethane (Surr)	99		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121220-16059.b\UXX1589.D
Lims ID: MRL Client ID:
Inject. Date: 20-Dec-2012 12:43:30 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0016059-005
Misc. Info.: P21220A,8260LLUX10,,1904 =P21220A,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 5
Lims Batch ID: 69591 Lims Sample ID: 5
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121220-16059.b\8260_10.m
Last Update: 21-Dec-2012 08:34:47 Calib Date: 14-Dec-2012 19:27:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK018

First Level Reviewer: quayler Date: 20-Dec-2012 13:08:29

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.216	5.204	0.012	100	2138012	10.0	
* 2 Chlorobenzene-d5	117	7.878	7.879	-0.001	83	1551915	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.126	10.127	-0.001	93	954861	10.0	
$ 4 BFB	95	2.814	3.747	-0.933	0	885	0	
$ 5 Dibromofluoromethane (Surr)	113	4.636	4.639	-0.003	67	493227	9.86	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.920	4.923	-0.003	0	513998	8.80	
$ 7 Toluene-d8 (Surr)	98	6.576	6.568	0.008	92	1957734	9.74	
$ 8 4-Bromofluorobenzene (Surr)	95	8.990	8.993	-0.003	96	687972	9.73	
143 1,3-Diethylbenzene TIC	1		0.000					
9 Benzyl chloride	126		0.000					
10 C6-C12	1		0.000					
11 C6-C10	1		0.000					
12 Dichlorodifluoromethane	85	1.559	1.562	-0.003	89	41864	1.06	
13 Chloromethane	50	1.701	1.693	0.008	96	67847	0.9615	
14 Vinyl chloride	62	1.796	1.799	-0.003	82	67311	0.9590	
15 Chlorodifluoromethane TIC	1		1.900					
16 Bromomethane	94	2.092	2.095	-0.003	82	34056	1.03	
17 Chloroethane	64	2.175	2.178	-0.003	78	40135	0.9813	
18 Dichlorofluoromethane	67		2.329					
19 Trichlorofluoromethane	101	2.399	2.391	0.008	84	54357	0.9574	
20 Ethyl ether	59		2.613					9
21 Acrolein	56	2.707	2.710	-0.003	86	51028	7.96	
23 1,1-Dichloroethene	96	2.814	2.817	-0.003	94	50830	0.9381	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.837	2.829	0.008	70	49240	1.16	
24 Acetone	43	2.825	2.829	-0.004	99	123738	9.10	
22 Methylal	45		2.851					
26 Iodomethane	142	2.944	2.947	-0.003	93	86952	1.01	
27 Carbon disulfide	76	3.015	3.006	0.009	98	168643	1.02	
28 Acetonitrile	41	3.050	3.053	-0.003	97	41867	10.9	
30 Methyl acetate	43	3.109	3.101	0.008	87	71895	1.80	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
29 3-Chloro-1-propene	76		3.110					9
31 Methylene Chloride	84	3.204	3.195	0.009	82	114307	1.05	
32 2-Methyl-2-propanol	59	3.263	3.266	-0.003	92	46092	18.8	
33 Acrylonitrile	53	3.382	3.385	-0.003	73	30530	1.62	
34 trans-1,2-Dichloroethene	96	3.441	3.432	0.009	73	54866	0.9345	
35 Methyl tert-butyl ether	73	3.429	3.432	-0.003	89	128228	0.8894	
36 Hexane	86	3.666	3.669	-0.003	88	11828	1.01	
37 1,1-Dichloroethane	63	3.772	3.775	-0.003	81	83940	0.8648	
38 Vinyl acetate	86	3.808	3.799	0.009	96	6146	0.7413	
39 Isopropyl ether	87		3.832					9
40 2-Chloro-1,3-butadiene	53		3.856					
41 Tert-butyl ethyl ether	59		4.128					
43 cis-1,2-Dichloroethene	96	4.245	4.248	-0.003	76	56876	0.9140	
42 2-Butanone (MEK)	43	4.245	4.248	-0.003	98	180601	9.22	
44 2,2-Dichloropropane	77	4.257	4.260	-0.003	91	50343	1.00	
45 Propionitrile	54		4.293					
46 Ethyl acetate	43	4.245	4.293	-0.048	65	180601	4.96	
47 Methacrylonitrile	41		4.424					9
48 Chlorobromomethane	128	4.447	4.450	-0.003	78	28202	0.9215	
50 Chloroform	83	4.506	4.497	0.009	68	89974	0.9176	
49 Tetrahydrofuran	42	4.506	4.497	0.009	27	12159	0.8911	
51 1,1,1-Trichloroethane	97	4.683	4.686	-0.003	88	68718	0.9653	
52 Cyclohexane	56	4.742	4.745	-0.003	87	86382	0.9669	
53 1,1-Dichloropropene	75	4.813	4.816	-0.003	90	67429	0.9357	
54 Carbon tetrachloride	117	4.825	4.828	-0.003	83	55557	0.8958	
55 Isobutyl alcohol	41		4.850					9
57 Benzene	78	4.991	4.982	0.009	92	228105	0.9787	
56 1,2-Dichloroethane	62	4.979	4.982	-0.003	40	61594	0.9009	
58 Tert-amyl methyl ether	73		5.062					9
59 n-Heptane	100		5.204					
60 n-Butanol	56		5.406					
61 Trichloroethene	130	5.523	5.526	-0.003	89	57121	0.9601	
62 Ethyl acrylate	55		5.605					9
64 1,2-Dichloropropane	63	5.713	5.704	0.009	75	46646	0.9078	
63 Methylcyclohexane	83	5.701	5.704	-0.003	87	75198	0.9601	
65 Methyl methacrylate	41		5.784					9
66 Dibromomethane	93	5.807	5.810	-0.003	76	28714	0.9394	
67 1,4-Dioxane	88	5.807	5.810	-0.003	1	8854	28.4	
68 Dichlorobromomethane	83	5.926	5.929	-0.003	88	54976	0.8650	
69 2-Nitropropane	41		6.116					9
70 2-Chloroethyl vinyl ether	63	6.174	6.177	-0.003	82	37874	1.42	
71 cis-1,3-Dichloropropene	75	6.316	6.319	-0.003	72	56790	0.7790	
72 4-Methyl-2-pentanone (MIBK)	43	6.446	6.449	-0.003	96	355851	8.99	
73 Toluene	91	6.636	6.627	0.009	96	238051	0.9591	
74 trans-1,3-Dichloropropene	75	6.801	6.804	-0.003	84	45810	0.6964	
75 Ethyl methacrylate	69	6.872	6.875	-0.003	78	39885	1.07	
76 1,1,2-Trichloroethane	97	6.967	6.970	-0.003	83	43018	0.8937	
77 1,3-Dichloropropane	76	7.121	7.124	-0.003	81	71261	0.8524	
78 Tetrachloroethene	164	7.133	7.136	-0.003	95	49746	0.9795	
79 2-Hexanone	43	7.192	7.183	0.009	95	226888	8.28	
80 n-Butyl acetate	56		7.299					
81 Chlorodibromomethane	129	7.334	7.337	-0.003	72	37124	0.7542	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
82 Tetrahydrothiophene	60		7.346					
83 Ethylene Dibromide	107	7.452	7.455	-0.003	83	41604	0.8786	
84 1-Chlorohexane	91		7.779					
85 Chlorobenzene	112	7.914	7.905	0.009	95	148512	0.9099	
86 1,1,1,2-Tetrachloroethane	131	7.985	7.976	0.009	78	44541	0.7984	
87 Ethylbenzene	106	8.008	8.011	-0.003	97	66579	0.7986	
88 m-Xylene & p-Xylene	106	8.115	8.118	-0.003	99	174991	1.66	
89 o-Xylene	106	8.493	8.496	-0.003	89	88176	0.8691	
90 Styrene	104	8.505	8.508	-0.003	90	122925	0.7373	
91 Bromoform	173	8.683	8.686	-0.003	86	21725	0.6790	
92 Isopropylbenzene	105	8.848	8.851	-0.003	92	194741	0.7895	
93 1,4-Dichlorobutane	55		8.931					9
94 Cyclohexanone	55	8.931	8.932	-0.001	75	40990	7.79	
95 1,1,2,2-Tetrachloroethane	83	9.109	9.112	-0.003	89	63165	0.9280	
96 Bromobenzene	156	9.144	9.147	-0.003	90	69296	0.9516	
97 1,2,3-Trichloropropane	110	9.168	9.159	0.009	67	17678	0.7988	
98 trans-1,4-Dichloro-2-butene	53	9.168	9.171	-0.003	50	5890	0.3500	
99 N-Propylbenzene	120	9.251	9.242	0.009	95	59683	0.8472	
100 2-Chlorotoluene	126	9.334	9.337	-0.003	95	58261	0.8734	
101 1,3,5-Trimethylbenzene	105	9.416	9.419	-0.003	90	171518	0.8449	
102 4-Chlorotoluene	126	9.440	9.443	-0.003	95	60799	0.8560	
103 tert-Butylbenzene	119	9.736	9.739	-0.003	86	156898	0.8634	
104 1,2,4-Trimethylbenzene	105	9.783	9.786	-0.003	69	166600	0.7989	
105 sec-Butylbenzene	105	9.949	9.952	-0.003	88	193405	0.8524	
106 1,3-Dichlorobenzene	146	10.067	10.070	-0.003	93	137849	1.02	
107 4-Isopropyltoluene	119	10.091	10.094	-0.003	91	158478	0.8196	
108 1,4-Dichlorobenzene	146	10.150	10.153	-0.003	90	143479	0.9834	
109 1,2,3-Trimethylbenzene	105		10.198					9
110 n-Butylbenzene	91	10.505	10.496	0.009	93	144577	0.9363	
111 1,2-Dichlorobenzene	146	10.517	10.520	-0.003	96	134010	1.04	
112 1,2-Dibromo-3-Chloropropane	157	11.286	11.289	-0.003	43	11620	1.14	
113 1,3,5-Trichlorobenzene	180	11.511	11.514	-0.003	89	65149	0.9237	
114 1,2,4-Trichlorobenzene	180	12.126	12.129	-0.003	87	89017	1.46	
115 Hexachlorobutadiene	225	12.304	12.307	-0.003	87	50706	1.68	
116 Naphthalene	128	12.375	12.378	-0.003	100	216255	1.46	
117 1,2,3-Trichlorobenzene	180	12.623	12.626	-0.003	96	98373	1.65	
118 2-Methylnaphthalene	142	13.676	13.689	-0.013	52	8991	0.1366	
S 119 Trihalomethanes, Total	1				0		3.22	
S 120 1,2-Dichloroethene, Total	96				0		1.85	
S 121 1,3-Dichloropropene, Total	75				0		1.48	
S 122 Xylenes, Total	106				0		2.53	
T 123 Butyl Methacrylate TIC	1		9.400					1
T 124 Hexachloroethane TIC	1		10.700					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
9 - Failed A Reference Spectral Test

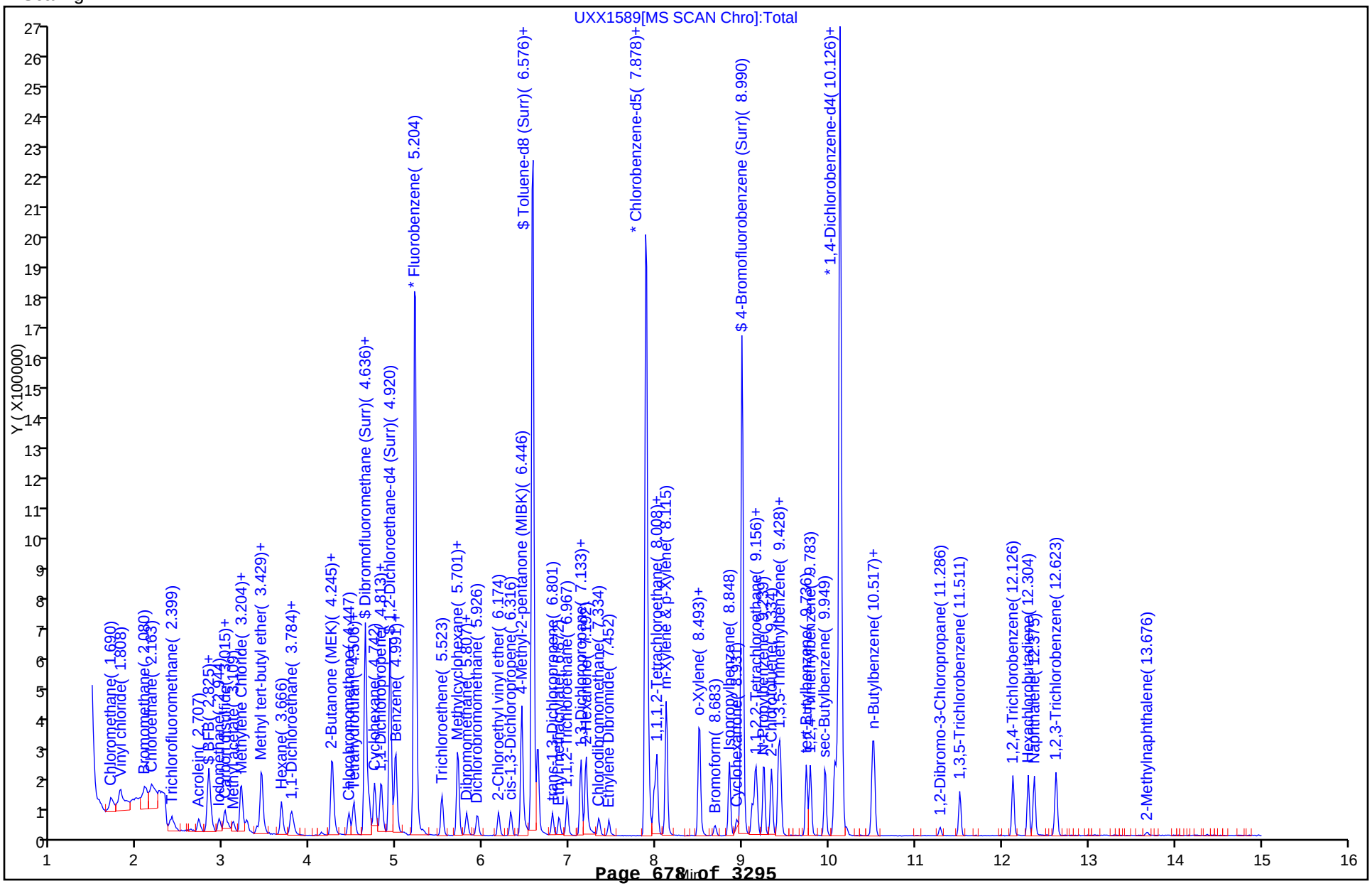
Report Date: 21-Dec-2012 08:34:50 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121220-16059.b\UXX1589.D

Injection Date:	20-Dec-2012 12:43:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	69591	Lims Sample ID:	5
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-69591/18

Matrix: Water | Lab File ID: UXX1602.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 12/20/2012 17:42

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 69591 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	0.000975	J	0.0010	0.00025	0.00022
79-34-5	1,1,2,2-Tetrachloroethane	0.000914	J	0.0010	0.00025	0.00018
79-00-5	1,1,2-Trichloroethane	0.000955	J	0.0010	0.00050	0.00027
75-34-3	1,1-Dichloroethane	0.000967	J	0.0010	0.00025	0.00015
75-35-4	1,1-Dichloroethene	0.000977	J	0.0010	0.00025	0.00019
107-06-2	1,2-Dichloroethane	0.00101		0.0010	0.00025	0.00022
540-59-0	1,2-Dichloroethene, Total	0.00193	J	0.0020	0.00050	0.00034
78-87-5	1,2-Dichloropropane	0.000992	J	0.0010	0.00025	0.00018
78-93-3	2-Butanone (MEK)	0.00903	J	0.010	0.00050	0.00057
591-78-6	2-Hexanone	0.00856	J	0.010	0.00050	0.00041
108-10-1	4-Methyl-2-pentanone (MIBK)	0.00853	J	0.010	0.00050	0.00032
67-64-1	Acetone	0.00944	J	0.010	0.0010	0.0011
71-43-2	Benzene	0.00101		0.0010	0.00025	0.00013
75-25-2	Bromoform	0.000816	J	0.0010	0.00050	0.00064
74-83-9	Bromomethane	0.00119		0.0010	0.00050	0.00041
75-15-0	Carbon disulfide	0.00103		0.0010	0.00025	0.00013
56-23-5	Carbon tetrachloride	0.000881	J	0.0010	0.00025	0.00013
108-90-7	Chlorobenzene	0.000975	J	0.0010	0.00025	0.00015
74-87-3	Chloromethane	0.00109		0.0010	0.00050	0.00030
10061-01-5	cis-1,3-Dichloropropene	0.000806	J	0.0010	0.00025	0.00014
124-48-1	Dibromochloromethane	0.000871	J	0.0010	0.00025	0.00018
75-27-4	Bromodichloromethane	0.000940	J	0.0010	0.00025	0.00015
100-41-4	Ethylbenzene	0.000912	J	0.0010	0.00025	0.00017
1634-04-4	Methyl tert-butyl ether	0.000923	J	0.0010	0.00025	0.00017
75-09-2	Methylene Chloride	0.000617	J ^	0.0010	0.00050	0.00033
100-42-5	Styrene	0.000787	J	0.0010	0.00025	0.00011
127-18-4	Tetrachloroethene	0.000921	J	0.0010	0.00050	0.00029
108-88-3	Toluene	0.00100		0.0010	0.00025	0.00013
10061-02-6	trans-1,3-Dichloropropene	0.000735	J	0.0010	0.00025	0.00019
79-01-6	Trichloroethene	0.00104		0.0010	0.00025	0.00017
75-01-4	Vinyl chloride	0.00107		0.0010	0.00025	0.00022
1330-20-7	Xylenes, Total	0.00250		0.0020	0.00075	0.00028
67-66-3	Chloroform	0.000952	J	0.0010	0.00025	0.00016
74-97-5	Bromochloromethane	0.00106		0.0010	0.00050	0.00029
106-93-4	1,2-Dibromoethane	0.000923	J	0.0010	0.00025	0.00024
75-00-3	Chloroethane	0.00118		0.0010	0.00050	0.00029

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-69591/18

Matrix: Water Lab File ID: UXX1602.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/20/2012 17:42

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69591 Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		50-150
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		50-150
460-00-4	4-Bromofluorobenzene (Surr)	101		50-150
1868-53-7	Dibromofluoromethane (Surr)	98		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121220-16059.b\UXX1602.D
Lims ID: MRL Client ID:
Inject. Date: 20-Dec-2012 17:42:30 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0016059-018
Misc. Info.: P21220A,8260LLUX10,,1904 =P21220A,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 18
Lims Batch ID: 69591 Lims Sample ID: 18
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121220-16059.b\8260_10.m
Last Update: 21-Dec-2012 08:34:47 Calib Date: 14-Dec-2012 19:27:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK018

First Level Reviewer: quayler Date: 21-Dec-2012 07:44:55

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.216	5.204	0.012	100	2120462	10.0	
* 2 Chlorobenzene-d5	117	7.890	7.879	0.011	81	1482662	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.126	10.127	-0.001	92	945938	10.0	
$ 4 BFB	95	3.441	3.747	-0.306	0	2055	0	
$ 5 Dibromofluoromethane (Surr)	113	4.636	4.639	-0.003	66	487920	9.83	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.920	4.923	-0.003	0	534959	9.23	
$ 7 Toluene-d8 (Surr)	98	6.576	6.568	0.008	92	1907042	9.93	
$ 8 4-Bromofluorobenzene (Surr)	95	8.990	8.993	-0.003	96	681672	10.1	
143 1,3-Diethylbenzene TIC	1		0.000					
9 Benzyl chloride	126		0.000					
10 C6-C12	1		0.000					
11 C6-C10	1		0.000					
12 Dichlorodifluoromethane	85	1.571	1.562	0.009	73	37093	0.9462	
13 Chloromethane	50	1.701	1.693	0.008	95	76414	1.09	
14 Vinyl chloride	62	1.796	1.799	-0.003	70	74777	1.07	
15 Chlorodifluoromethane TIC	1		1.900					
16 Bromomethane	94	2.080	2.095	-0.015	81	38738	1.19	
17 Chloroethane	64	2.175	2.178	-0.003	78	47890	1.18	
18 Dichlorofluoromethane	67		2.329					9
19 Trichlorofluoromethane	101	2.399	2.391	0.008	83	59816	1.06	
20 Ethyl ether	59		2.613					
21 Acrolein	56	2.707	2.710	-0.003	85	51690	8.13	
23 1,1-Dichloroethene	96	2.814	2.817	-0.003	84	52495	0.9768	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.837	2.829	0.008	52	34730	0.8276	
24 Acetone	43	2.837	2.829	0.008	97	126858	9.44	
22 Methylal	45		2.851					9
26 Iodomethane	142	2.944	2.947	-0.003	96	87838	1.03	
27 Carbon disulfide	76	3.015	3.006	0.009	100	169047	1.03	
28 Acetonitrile	41	3.050	3.053	-0.003	92	50761	13.4	
30 Methyl acetate	43	3.109	3.101	0.008	95	78638	1.98	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
29 3-Chloro-1-propene	76		3.110					9
31 Methylene Chloride	84	3.204	3.195	0.009	86	88473	0.6172	
32 2-Methyl-2-propanol	59	3.263	3.266	-0.003	91	51158	21.0	
33 Acrylonitrile	53	3.393	3.385	0.008	91	35851	1.92	
34 trans-1,2-Dichloroethene	96	3.441	3.432	0.009	72	56757	0.9748	
35 Methyl tert-butyl ether	73	3.441	3.432	0.009	88	131917	0.9225	
36 Hexane	86	3.677	3.669	0.008	84	8088	0.6981	
37 1,1-Dichloroethane	63	3.772	3.775	-0.003	89	93111	0.9672	
38 Vinyl acetate	86	3.808	3.799	0.009	96	6210	0.7553	
39 Isopropyl ether	87	3.831	3.832	-0.001	86	9834	0.2029	
40 2-Chloro-1,3-butadiene	53		3.856					9
41 Tert-butyl ethyl ether	59		4.128					9
43 cis-1,2-Dichloroethene	96	4.257	4.248	0.009	76	58942	0.9551	
42 2-Butanone (MEK)	43	4.245	4.248	-0.003	100	175543	9.03	
44 2,2-Dichloropropane	77	4.257	4.260	-0.003	83	48086	0.9605	
45 Propionitrile	54		4.293					
46 Ethyl acetate	43	4.245	4.293	-0.048	82	183005	5.06	
47 Methacrylonitrile	41		4.424					9
48 Chlorobromomethane	128	4.446	4.450	-0.004	76	32247	1.06	
50 Chloroform	83	4.506	4.497	0.009	64	92598	0.9522	
49 Tetrahydrofuran	42	4.494	4.497	-0.003	30	11326	0.8369	
51 1,1,1-Trichloroethane	97	4.683	4.686	-0.003	90	68843	0.9751	
52 Cyclohexane	56	4.742	4.745	-0.003	85	66181	0.7469	
53 1,1-Dichloropropene	75	4.813	4.816	-0.003	90	65870	0.9216	
54 Carbon tetrachloride	117	4.825	4.828	-0.003	78	54219	0.8815	
55 Isobutyl alcohol	41		4.850					9
57 Benzene	78	4.991	4.982	0.009	92	234239	1.01	
56 1,2-Dichloroethane	62	4.991	4.982	0.009	48	68171	1.01	
58 Tert-amyl methyl ether	73		5.062					
59 n-Heptane	100		5.204					
60 n-Butanol	56		5.406					9
61 Trichloroethene	130	5.523	5.526	-0.003	87	61512	1.04	
62 Ethyl acrylate	55		5.605					9
64 1,2-Dichloropropane	63	5.701	5.704	-0.003	79	50576	0.99	
63 Methylcyclohexane	83	5.701	5.704	-0.003	82	53943	0.6944	
65 Methyl methacrylate	41		5.784					9
66 Dibromomethane	93	5.807	5.810	-0.003	84	28887	0.9529	
67 1,4-Dioxane	88	5.819	5.810	0.009	19	11533	37.2	
68 Dichlorobromomethane	83	5.926	5.929	-0.003	91	59230	0.9396	
69 2-Nitropropane	41		6.116					9
70 2-Chloroethyl vinyl ether	63	6.174	6.177	-0.003	82	37799	1.43	
71 cis-1,3-Dichloropropene	75	6.316	6.319	-0.003	72	58287	0.8062	
72 4-Methyl-2-pentanone (MIBK)	43	6.446	6.449	-0.003	95	334561	8.53	
73 Toluene	91	6.636	6.627	0.009	91	237457	1.00	
74 trans-1,3-Dichloropropene	75	6.801	6.804	-0.003	86	46213	0.7353	
75 Ethyl methacrylate	69	6.872	6.875	-0.003	79	40788	1.12	
76 1,1,2-Trichloroethane	97	6.967	6.970	-0.003	83	43923	0.9552	
77 1,3-Dichloropropane	76	7.121	7.124	-0.003	82	70543	0.8833	
78 Tetrachloroethene	164	7.133	7.136	-0.003	91	44686	0.9210	
79 2-Hexanone	43	7.192	7.183	0.009	97	224026	8.56	
80 n-Butyl acetate	56		7.299					9
81 Chlorodibromomethane	129	7.334	7.337	-0.003	74	40953	0.8709	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
82 Tetrahydrothiophene	60		7.346					
83 Ethylene Dibromide	107	7.452	7.455	-0.003	83	41744	0.9228	
84 1-Chlorohexane	91		7.779					9
85 Chlorobenzene	112	7.913	7.905	0.008	96	152063	0.9751	
86 1,1,1,2-Tetrachloroethane	131	7.984	7.976	0.008	79	46796	0.8780	
87 Ethylbenzene	106	8.008	8.011	-0.003	96	72678	0.9125	
88 m-Xylene & p-Xylene	106	8.115	8.118	-0.003	98	166058	1.65	
89 o-Xylene	106	8.493	8.496	-0.003	90	82028	0.8463	
90 Styrene	104	8.505	8.508	-0.003	90	125346	0.7869	
91 Bromoform	173	8.683	8.686	-0.003	86	24939	0.8159	
92 Isopropylbenzene	105	8.848	8.851	-0.003	92	189686	0.8050	
93 1,4-Dichlorobutane	55		8.931					9
94 Cyclohexanone	55		8.932					9
95 1,1,2,2-Tetrachloroethane	83	9.109	9.112	-0.003	85	61619	0.9138	
96 Bromobenzene	156	9.144	9.147	-0.003	87	68632	0.9514	
97 1,2,3-Trichloropropane	110	9.168	9.159	0.009	65	18716	0.8537	
98 trans-1,4-Dichloro-2-butene	53	9.168	9.171	-0.003	64	9721	0.5830	
99 N-Propylbenzene	120	9.251	9.242	0.009	96	58328	0.8358	
100 2-Chlorotoluene	126	9.333	9.337	-0.004	96	57686	0.8729	
101 1,3,5-Trimethylbenzene	105	9.416	9.419	-0.003	92	156485	0.7781	
102 4-Chlorotoluene	126	9.440	9.443	-0.003	97	65539	0.9314	
103 tert-Butylbenzene	119	9.736	9.739	-0.003	88	153279	0.8514	
104 1,2,4-Trimethylbenzene	105	9.783	9.786	-0.003	93	163342	0.7907	
105 sec-Butylbenzene	105	9.961	9.952	0.009	85	175510	0.7808	
106 1,3-Dichlorobenzene	146	10.067	10.070	-0.003	94	131158	0.9843	
107 4-Isopropyltoluene	119	10.091	10.094	-0.003	92	155604	0.8124	
108 1,4-Dichlorobenzene	146	10.150	10.153	-0.003	77	150002	1.04	
109 1,2,3-Trimethylbenzene	105		10.198					9
110 n-Butylbenzene	91	10.505	10.496	0.009	93	124237	0.8121	
111 1,2-Dichlorobenzene	146	10.529	10.520	0.009	95	128416	1.00	
112 1,2-Dibromo-3-Chloropropane	157	11.286	11.289	-0.003	36	9289	0.9228	
113 1,3,5-Trichlorobenzene	180	11.511	11.514	-0.003	90	64288	0.9201	
114 1,2,4-Trichlorobenzene	180	12.126	12.129	-0.003	85	78451	1.30	
115 Hexachlorobutadiene	225	12.303	12.307	-0.004	85	47228	1.58	
116 Naphthalene	128	12.374	12.378	-0.004	100	181925	1.24	
117 1,2,3-Trichlorobenzene	180	12.623	12.626	-0.003	98	89001	1.51	
118 2-Methylnaphthalene	142		13.689					
S 119 Trihalomethanes, Total	1				0		3.58	
S 120 1,2-Dichloroethene, Total	96				0		1.93	
S 121 1,3-Dichloropropene, Total	75				0		1.54	
S 122 Xylenes, Total	106				0		2.49	
T 123 Butyl Methacrylate TIC	1		9.400					1
T 124 Hexachloroethane TIC	1		10.700					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
9 - Failed A Reference Spectral Test

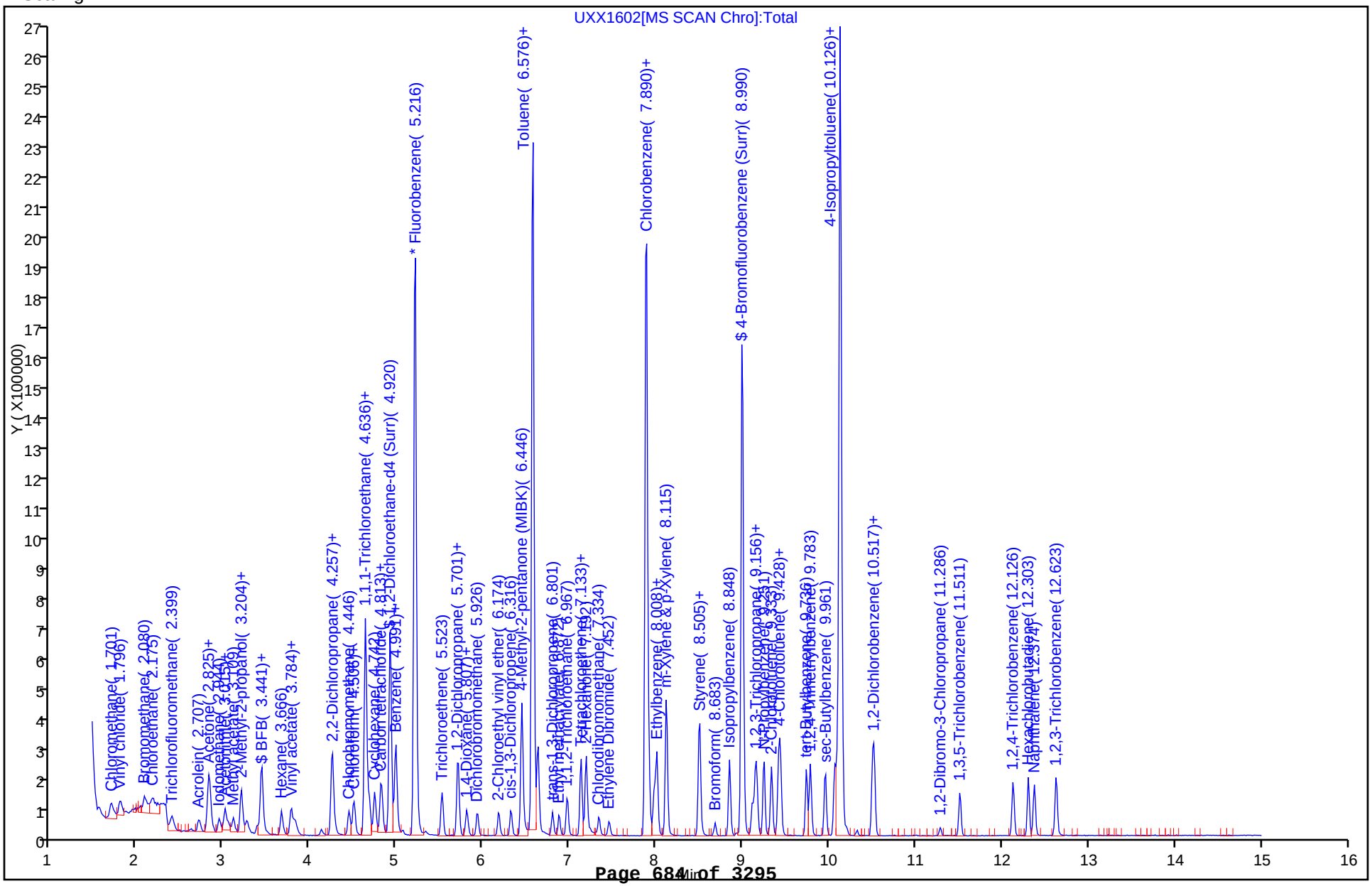
Report Date: 21-Dec-2012 08:54:33 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121220-16059.b\UXX1602.D

Injection Date:	20-Dec-2012 17:42:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	69591	Lims Sample ID:	18
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-70888/4

Matrix: Solid | Lab File ID: UXX1986.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 0.2(mL) | Date Analyzed: 01/02/2013 14:58

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 70888 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
75-35-4	1,1-Dichloroethene	0.0254		0.025	0.0063	0.0048
107-06-2	1,2-Dichloroethane	0.0250		0.025	0.0063	0.0055
78-93-3	2-Butanone (MEK)	0.239	J	0.25	0.013	0.014
71-43-2	Benzene	0.0253		0.025	0.0063	0.0033
56-23-5	Carbon tetrachloride	0.0243	J	0.025	0.0063	0.0033
108-90-7	Chlorobenzene	0.0239	J	0.025	0.0063	0.0038
127-18-4	Tetrachloroethene	0.0257		0.025	0.013	0.0073
79-01-6	Trichloroethene	0.0257		0.025	0.0063	0.0043
75-01-4	Vinyl chloride	0.0372	^	0.025	0.0063	0.0055
67-66-3	Chloroform	0.0262		0.025	0.0063	0.0040

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	96		50-150
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		50-150
460-00-4	4-Bromofluorobenzene (Surr)	91		50-150
1868-53-7	Dibromofluoromethane (Surr)	103		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130102-16347.b\UXX1986.D
Lims ID: MRL Client ID:
Inject. Date: 02-Jan-2013 14:58:30 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0016347-004
Misc. Info.: P30102A,8260LLUX10,,1904 =P30102A,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 3
Lims Batch ID: 70888 Lims Sample ID: 4
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20130102-16347.b\8260_10.m
Last Update: 03-Jan-2013 07:29:20 Calib Date: 14-Dec-2012 19:27:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK036

First Level Reviewer: quayler Date: 02-Jan-2013 15:25:33

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.205	5.205	0.0	100	2059387	10.0	
* 2 Chlorobenzene-d5	117	7.879	7.879	0.0	83	1537521	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.128	10.127	0.001	92	788695	10.0	
$ 4 BFB	95	3.442	3.697	-0.255	0	1930	0	
$ 5 Dibromofluoromethane (Surr)	113	4.625	4.625	0.0	59	496914	10.3	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.921	4.921	0.0	0	544746	9.68	
$ 7 Toluene-d8 (Surr)	98	6.566	6.565	0.001	93	1906977	9.58	
$ 8 4-Bromofluorobenzene (Surr)	95	8.992	8.991	0.001	95	636399	9.09	
11 C6-C10	1		0.000					
10 C6-C12	1		0.000					
9 Benzyl chloride	126		0.000					
143 1,3-Diethylbenzene TIC	1		0.000					
12 Dichlorodifluoromethane	85	1.561	1.560	0.001	78	80785	2.12	
13 Chloromethane	50	1.691	1.690	0.001	99	109612	1.61	
14 Vinyl chloride	62	1.797	1.797	0.0	92	100519	1.49	
15 Chlorodifluoromethane TIC	1		1.900					
16 Bromomethane	94	2.081	2.081	0.0	72	45108	1.42	
17 Chloroethane	64	2.164	2.163	0.001	90	59349	1.51	
18 Dichlorofluoromethane	67		2.329					
19 Trichlorofluoromethane	101	2.377	2.388	-0.011	78	70636	1.29	
20 Ethyl ether	59		2.601					
21 Acrolein	56	2.697	2.696	0.001	84	71814	11.6	
23 1,1-Dichloroethene	96	2.815	2.802	0.013	91	53057	1.02	
24 Acetone	43	2.827	2.826	0.001	99	146787	11.4	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.827	2.826	0.001	50	41597	1.02	
22 Methylal	45		2.851					9
26 Iodomethane	142	2.933	2.933	0.0	96	86719	1.05	
27 Carbon disulfide	76	3.004	3.004	0.0	95	164662	1.04	
28 Acetonitrile	41	3.052	3.051	0.001	93	58920	16.0	
29 3-Chloro-1-propene	76		3.098					9

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
30 Methyl acetate	43	3.099	3.098	0.001	90	85993	2.23	
31 Methylene Chloride	84	3.194	3.193	0.001	89	78616	0.4873	
32 2-Methyl-2-propanol	59	3.265	3.264	0.001	96	71712	30.3	
33 Acrylonitrile	53	3.383	3.382	0.001	83	35440	1.95	
34 trans-1,2-Dichloroethene	96	3.430	3.430	0.0	75	59222	1.05	
35 Methyl tert-butyl ether	73	3.430	3.430	0.0	87	125796	0.9058	
36 Hexane	86	3.655	3.666	-0.011	90	11094	0.9859	
37 1,1-Dichloroethane	63	3.773	3.773	0.0	90	94820	1.01	
38 Vinyl acetate	86	3.797	3.796	0.001	95	6645	0.8321	
39 Isopropyl ether	87		3.819					9
40 2-Chloro-1,3-butadiene	53		3.855					
41 Tert-butyl ethyl ether	59		4.115					
42 2-Butanone (MEK)	43	4.235	4.234	0.001	99	180356	9.55	
43 cis-1,2-Dichloroethene	96	4.247	4.246	0.001	58	63049	1.05	
44 2,2-Dichloropropane	77	4.259	4.258	0.0	79	46517	0.9567	
45 Propionitrile	54		4.281					
46 Ethyl acetate	43	4.235	4.293	-0.058	82	180356	5.14	
47 Methacrylonitrile	41		4.411					9
48 Chlorobromomethane	128	4.448	4.435	0.013	80	33163	1.12	
49 Tetrahydrofuran	42	4.495	4.495	0.0	28	14205	1.08	
50 Chloroform	83	4.495	4.495	0.0	79	98870	1.05	
51 1,1,1-Trichloroethane	97	4.673	4.672	0.001	86	71729	1.05	
52 Cyclohexane	56	4.744	4.743	0.001	88	75459	0.8769	
53 1,1-Dichloropropene	75	4.815	4.814	0.001	89	64774	0.9332	
54 Carbon tetrachloride	117	4.826	4.826	0.0	88	58174	0.9738	
55 Isobutyl alcohol	41		4.849					9
56 1,2-Dichloroethane	62	4.980	4.980	0.0	77	65852	1.00	
57 Benzene	78	4.980	4.980	0.0	93	226765	1.01	
58 Tert-amyl methyl ether	73		5.062					9
59 n-Heptane	100		5.204					
60 n-Butanol	56		5.405					
61 Trichloroethene	130	5.525	5.524	0.001	83	58904	1.03	
62 Ethyl acrylate	55		5.605					9
63 Methylcyclohexane	83	5.702	5.702	0.0	82	71795	0.9516	
64 1,2-Dichloropropane	63	5.702	5.702	0.0	74	48889	0.9878	
65 Methyl methacrylate	41		5.784					9
66 Dibromomethane	93	5.809	5.808	0.001	80	28937	0.9828	
67 1,4-Dioxane	88	5.820	5.808	0.012	51	18026	59.9	
68 Dichlorobromomethane	83	5.927	5.926	0.001	92	59195	0.9669	
69 2-Nitropropane	41		6.115					9
70 2-Chloroethyl vinyl ether	63	6.175	6.175	0.0	79	38338	1.49	
71 cis-1,3-Dichloropropene	75	6.317	6.317	0.0	76	60239	0.8579	
72 4-Methyl-2-pentanone (MIBK)	43	6.448	6.447	0.001	97	334656	8.78	
73 Toluene	91	6.625	6.624	0.001	94	234392	0.9532	
74 trans-1,3-Dichloropropene	75	6.803	6.802	0.001	80	54228	0.8320	
75 Ethyl methacrylate	69	6.874	6.873	0.001	69	43193	1.13	
76 1,1,2-Trichloroethane	97	6.968	6.968	0.0	88	46017	0.9650	
77 1,3-Dichloropropane	76	7.122	7.121	0.001	82	79914	0.9649	
78 Tetrachloroethene	164	7.134	7.133	0.001	90	51636	1.03	
79 2-Hexanone	43	7.181	7.181	0.0	96	228281	8.41	
80 n-Butyl acetate	56		7.298					
81 Chlorodibromomethane	129	7.335	7.334	0.001	76	44215	0.9067	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
82 Tetrahydrothiophene	60		7.346					
83 Ethylene Dibromide	107	7.453	7.453	0.0	88	43588	0.9291	
84 1-Chlorohexane	91		7.779					
85 Chlorobenzene	112	7.903	7.914	-0.011	94	154903	0.9579	
86 1,1,1,2-Tetrachloroethane	131	7.974	7.973	0.001	83	51668	0.9348	
87 Ethylbenzene	106	8.010	8.009	0.0	95	73982	0.8957	
88 m-Xylene & p-Xylene	106	8.116	8.115	0.001	96	184545	1.77	
89 o-Xylene	106	8.495	8.494	0.001	89	82775	0.8235	
90 Styrene	104	8.506	8.506	0.0	92	130460	0.7898	
91 Bromoform	173	8.684	8.683	0.001	90	27263	0.8601	
92 Isopropylbenzene	105	8.850	8.849	0.001	92	193582	0.7922	
93 1,4-Dichlorobutane	55		8.931					9
94 Cyclohexanone	55		8.931					9
95 1,1,2,2-Tetrachloroethane	83	9.110	9.109	0.001	83	61649	1.10	
96 Bromobenzene	156	9.145	9.145	0.0	87	70419	1.17	
97 1,2,3-Trichloropropane	110	9.157	9.157	0.0	66	23112	1.26	
98 trans-1,4-Dichloro-2-butene	53	9.169	9.169	0.001	59	11259	0.8099	
99 N-Propylbenzene	120	9.240	9.240	0.0	97	60596	1.04	
100 2-Chlorotoluene	126	9.335	9.334	0.001	96	57924	1.05	
101 1,3,5-Trimethylbenzene	105	9.418	9.417	0.001	89	158319	0.9442	
102 4-Chlorotoluene	126	9.441	9.441	0.0	95	61013	1.04	
103 tert-Butylbenzene	119	9.737	9.736	0.001	85	131871	0.8786	
104 1,2,4-Trimethylbenzene	105	9.784	9.784	0.0	65	152650	0.8862	
105 sec-Butylbenzene	105	9.950	9.949	0.001	91	176064	0.9394	
106 1,3-Dichlorobenzene	146	10.068	10.068	0.0	93	119913	1.08	
107 4-Isopropyltoluene	119	10.092	10.091	0.001	92	138933	0.8699	
108 1,4-Dichlorobenzene	146	10.151	10.151	0.0	80	139858	1.16	
109 1,2,3-Trimethylbenzene	105		10.197					9
110 n-Butylbenzene	91	10.494	10.506	-0.012	92	113475	0.8897	
111 1,2-Dichlorobenzene	146	10.518	10.517	0.001	96	119619	1.12	
112 1,2-Dibromo-3-Chloropropane	157	11.287	11.287	0.0	30	9132	1.09	
113 1,3,5-Trichlorobenzene	180	11.512	11.511	0.001	87	53078	0.9111	
114 1,2,4-Trichlorobenzene	180	12.127	12.127	0.0	81	56192	1.12	
115 Hexachlorobutadiene	225	12.305	12.304	0.001	82	31088	1.24	
116 Naphthalene	128	12.376	12.375	0.001	100	128103	1.05	
117 1,2,3-Trichlorobenzene	180	12.624	12.624	0.0	91	60011	1.22	
118 2-Methylnaphthalene	142		13.688					
S 119 Trihalomethanes, Total	1				0		3.78	
S 120 1,2-Dichloroethene, Total	96				0		2.10	
S 121 1,3-Dichloropropene, Total	75				0		1.69	
S 122 Xylenes, Total	106				0		2.59	
T 123 Butyl Methacrylate TIC	1		9.400					1
T 124 Hexachloroethane TIC	1		10.700					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
9 - Failed A Reference Spectral Test

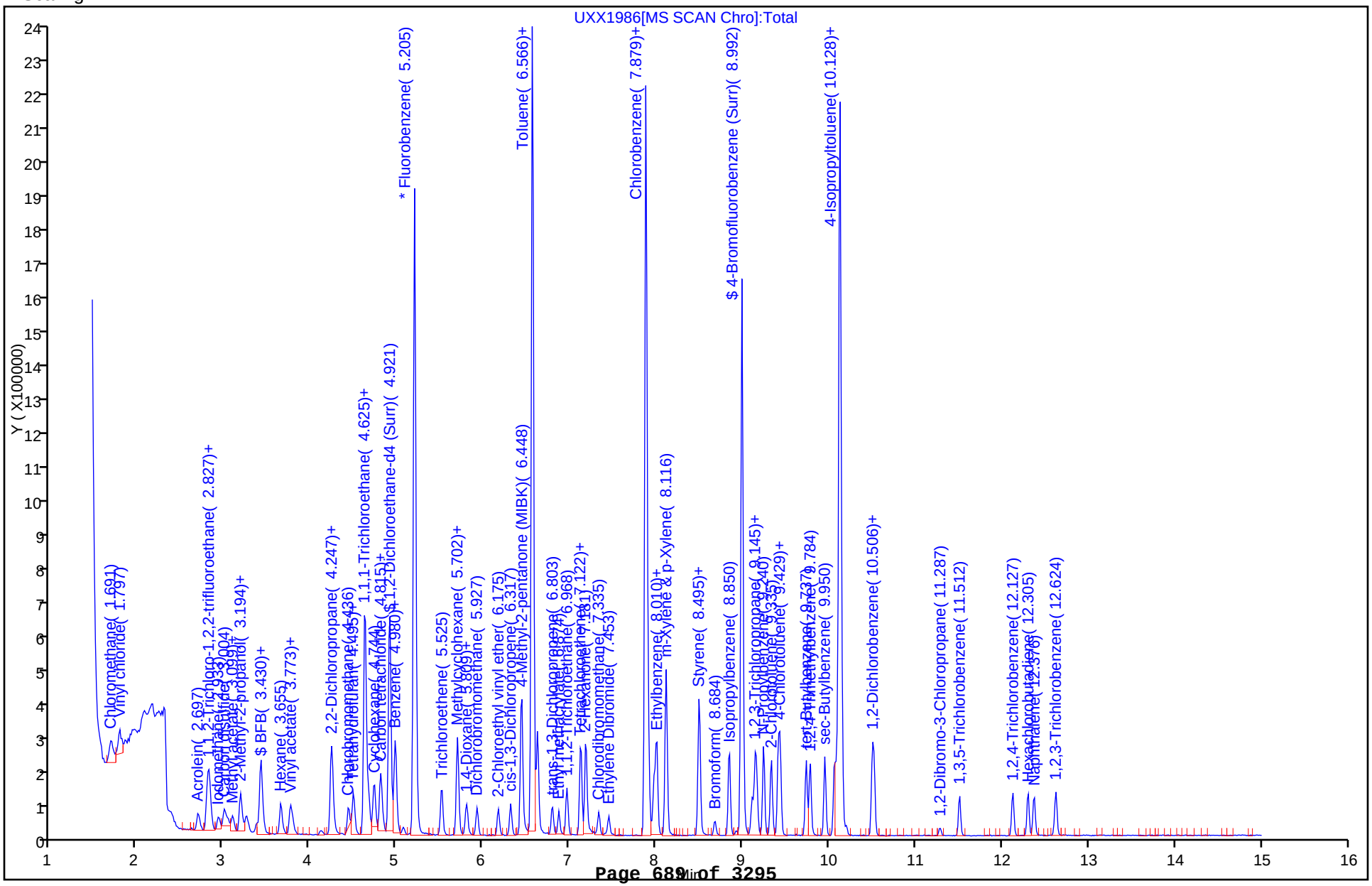
Report Date: 03-Jan-2013 07:29:21 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130102-16347.b\UXX1986.D

Injection Date:	02-Jan-2013 14:58:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	70888	Lims Sample ID:	4
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-70888/10

Matrix: Solid | Lab File ID: UXX1992.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 0.2(mL) | Date Analyzed: 01/02/2013 17:07

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 70888 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
75-35-4	1,1-Dichloroethene	0.0265		0.025	0.0063	0.0048
107-06-2	1,2-Dichloroethane	0.0279		0.025	0.0063	0.0055
78-93-3	2-Butanone (MEK)	0.226	J	0.25	0.013	0.014
71-43-2	Benzene	0.0276		0.025	0.0063	0.0033
56-23-5	Carbon tetrachloride	0.0285		0.025	0.0063	0.0033
108-90-7	Chlorobenzene	0.0278		0.025	0.0063	0.0038
127-18-4	Tetrachloroethene	0.0281		0.025	0.013	0.0073
79-01-6	Trichloroethene	0.0281		0.025	0.0063	0.0043
75-01-4	Vinyl chloride	0.0293		0.025	0.0063	0.0055
67-66-3	Chloroform	0.0282		0.025	0.0063	0.0040

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	101		50-150
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		50-150
460-00-4	4-Bromofluorobenzene (Surr)	96		50-150
1868-53-7	Dibromofluoromethane (Surr)	103		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130102-16347.b\UXX1992.D
Lims ID: MRL Client ID:
Inject. Date: 02-Jan-2013 17:07:30 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0016347-010
Misc. Info.: P30102A,8260LLUX10,,1904 =P30102A,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 9
Lims Batch ID: 70888 Lims Sample ID: 10
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20130102-16347.b\8260_10.m
Last Update: 03-Jan-2013 07:29:20 Calib Date: 14-Dec-2012 19:27:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK036

First Level Reviewer: quayler Date: 03-Jan-2013 07:22:34

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.204	5.205	-0.001	100	2111448	10.0	
* 2 Chlorobenzene-d5	117	7.878	7.879	-0.001	84	1493200	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.127	10.127	0.0	92	864455	10.0	
$ 4 BFB	95	2.802	3.697	-0.895	0	755	0	
$ 5 Dibromofluoromethane (Surr)	113	4.636	4.625	0.011	60	508973	10.3	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.920	4.921	-0.001	0	556177	9.64	
$ 7 Toluene-d8 (Surr)	98	6.565	6.565	0.0	93	1957329	10.1	
$ 8 4-Bromofluorobenzene (Surr)	95	8.991	8.991	0.0	96	655498	9.64	
11 C6-C10	1		0.000					
10 C6-C12	1		0.000					
9 Benzyl chloride	126		0.000					
143 1,3-Diethylbenzene TIC	1		0.000					
12 Dichlorodifluoromethane	85	1.572	1.560	0.012	57	50223	1.29	
13 Chloromethane	50	1.690	1.690	0.0	97	81175	1.16	
14 Vinyl chloride	62	1.796	1.797	-0.001	89	81244	1.17	
15 Chlorodifluoromethane TIC	1		1.900					
16 Bromomethane	94	2.069	2.081	-0.013	81	38191	1.17	
17 Chloroethane	64	2.163	2.163	0.0	81	45160	1.12	
18 Dichlorofluoromethane	67		2.329					
19 Trichlorofluoromethane	101	2.388	2.388	0.0	82	61215	1.09	
20 Ethyl ether	59		2.601					
21 Acrolein	56	2.707	2.696	0.011	82	69530	11.0	
23 1,1-Dichloroethene	96	2.802	2.802	0.0	87	56830	1.06	
24 Acetone	43	2.826	2.826	0.0	98	156583	11.9	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.838	2.826	0.012	45	40273	0.9638	
22 Methylal	45		2.851					
26 Iodomethane	142	2.932	2.933	-0.001	94	101742	1.20	
27 Carbon disulfide	76	3.003	3.004	-0.001	96	174188	1.07	
28 Acetonitrile	41	3.062	3.051	0.011	95	64477	17.1	
29 3-Chloro-1-propene	76		3.098					9

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
30 Methyl acetate	43	3.110	3.098	0.012	87	79649	2.02	
31 Methylene Chloride	84	3.193	3.193	0.0	80	79188	0.4627	
32 2-Methyl-2-propanol	59	3.264	3.264	0.0	92	70922	29.2	
33 Acrylonitrile	53	3.382	3.382	0.0	94	38015	2.04	
34 trans-1,2-Dichloroethene	96	3.429	3.430	-0.001	69	66019	1.14	
35 Methyl tert-butyl ether	73	3.429	3.430	-0.001	91	146230	1.03	
36 Hexane	86	3.654	3.666	-0.012	88	11571	1.00	
37 1,1-Dichloroethane	63	3.772	3.773	-0.001	90	100841	1.05	
38 Vinyl acetate	86	3.796	3.796	0.0	96	7175	0.8763	
39 Isopropyl ether	87		3.819					9
40 2-Chloro-1,3-butadiene	53		3.855					
41 Tert-butyl ethyl ether	59		4.115					
42 2-Butanone (MEK)	43	4.246	4.234	0.012	99	175088	9.05	
43 cis-1,2-Dichloroethene	96	4.246	4.246	0.0	61	67125	1.09	
44 2,2-Dichloropropane	77	4.258	4.258	0.0	80	57013	1.14	
45 Propionitrile	54		4.281					
46 Ethyl acetate	43	4.246	4.293	-0.047	62	175088	4.87	
47 Methacrylonitrile	41		4.411					9
48 Chlorobromomethane	128	4.447	4.435	0.012	67	35640	1.18	
49 Tetrahydrofuran	42	4.494	4.495	-0.001	14	13176	0.9777	
50 Chloroform	83	4.494	4.495	-0.001	67	109263	1.13	
51 1,1,1-Trichloroethane	97	4.672	4.672	0.0	88	82133	1.17	
52 Cyclohexane	56	4.743	4.743	0.0	87	80606	0.9136	
53 1,1-Dichloropropene	75	4.814	4.814	0.0	91	76776	1.08	
54 Carbon tetrachloride	117	4.814	4.826	-0.012	88	69863	1.14	
55 Isobutyl alcohol	41		4.849					9
56 1,2-Dichloroethane	62	4.979	4.980	-0.001	49	75226	1.11	
57 Benzene	78	4.979	4.980	-0.001	92	254132	1.10	
58 Tert-amyl methyl ether	73		5.062					9
59 n-Heptane	100		5.204					
60 n-Butanol	56		5.405					
61 Trichloroethene	130	5.512	5.524	-0.012	93	65941	1.12	
62 Ethyl acrylate	55		5.605					9
63 Methylcyclohexane	83	5.701	5.702	-0.001	83	76640	0.99	
64 1,2-Dichloropropane	63	5.701	5.702	-0.001	75	56931	1.12	
65 Methyl methacrylate	41		5.784					9
66 Dibromomethane	93	5.808	5.808	0.0	85	35030	1.16	
67 1,4-Dioxane	88	5.820	5.808	0.012	42	22132	71.8	
68 Dichlorobromomethane	83	5.926	5.926	0.0	83	68027	1.08	
69 2-Nitropropane	41		6.115					9
70 2-Chloroethyl vinyl ether	63	6.174	6.175	-0.001	86	36363	1.38	
71 cis-1,3-Dichloropropene	75	6.316	6.317	-0.001	86	64557	0.8967	
72 4-Methyl-2-pentanone (MIBK)	43	6.447	6.447	0.0	95	331887	8.49	
73 Toluene	91	6.624	6.624	0.0	94	258989	1.08	
74 trans-1,3-Dichloropropene	75	6.802	6.802	0.0	86	53971	0.8527	
75 Ethyl methacrylate	69	6.873	6.873	0.0	79	50071	1.25	
76 1,1,2-Trichloroethane	97	6.967	6.968	-0.001	86	51433	1.11	
77 1,3-Dichloropropane	76	7.121	7.121	0.0	88	84288	1.05	
78 Tetrachloroethene	164	7.133	7.133	0.0	88	54919	1.12	
79 2-Hexanone	43	7.180	7.181	-0.001	97	220045	8.35	
80 n-Butyl acetate	56		7.298					
81 Chlorodibromomethane	129	7.334	7.334	0.0	80	45160	0.9535	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
82 Tetrahydrothiophene	60		7.346					
83 Ethylene Dibromide	107	7.452	7.453	-0.001	82	46292	1.02	
84 1-Chlorohexane	91		7.779					9
85 Chlorobenzene	112	7.914	7.914	0.0	98	174919	1.11	
86 1,1,1,2-Tetrachloroethane	131	7.973	7.973	0.0	83	54319	1.01	
87 Ethylbenzene	106	8.009	8.009	0.0	95	79757	0.99	
88 m-Xylene & p-Xylene	106	8.115	8.115	0.0	98	196787	1.94	
89 o-Xylene	106	8.494	8.494	0.0	90	92950	0.9522	
90 Styrene	104	8.506	8.506	0.0	91	145195	0.9051	
91 Bromoform	173	8.683	8.683	0.0	83	27593	0.8963	
92 Isopropylbenzene	105	8.849	8.849	0.0	92	216484	0.9122	
93 1,4-Dichlorobutane	55		8.931					9
94 Cyclohexanone	55		8.931					9
95 1,1,2,2-Tetrachloroethane	83	9.109	9.109	0.0	81	66630	1.08	
96 Bromobenzene	156	9.145	9.145	0.0	86	75516	1.15	
97 1,2,3-Trichloropropane	110	9.168	9.157	0.011	65	19430	0.9698	
98 trans-1,4-Dichloro-2-butene	53	9.168	9.169	0.0	60	12054	0.7911	
99 N-Propylbenzene	120	9.239	9.240	-0.001	97	66258	1.04	
100 2-Chlorotoluene	126	9.334	9.334	0.0	95	62662	1.04	
101 1,3,5-Trimethylbenzene	105	9.417	9.417	0.0	91	175560	0.9552	
102 4-Chlorotoluene	126	9.440	9.441	-0.001	94	70091	1.09	
103 tert-Butylbenzene	119	9.736	9.736	0.0	88	174742	1.06	
104 1,2,4-Trimethylbenzene	105	9.783	9.784	-0.001	73	182905	0.9688	
105 sec-Butylbenzene	105	9.949	9.949	0.0	89	199879	0.9730	
106 1,3-Dichlorobenzene	146	10.067	10.068	-0.001	95	141912	1.17	
107 4-Isopropyltoluene	119	10.091	10.091	0.0	93	168742	0.9640	
108 1,4-Dichlorobenzene	146	10.150	10.151	-0.001	87	159497	1.21	
109 1,2,3-Trimethylbenzene	105		10.197					9
110 n-Butylbenzene	91	10.493	10.506	-0.013	93	134585	0.9627	
111 1,2-Dichlorobenzene	146	10.517	10.517	0.0	95	140126	1.20	
112 1,2-Dibromo-3-Chloropropane	157	11.286	11.287	-0.001	44	12762	1.39	
113 1,3,5-Trichlorobenzene	180	11.511	11.511	0.0	92	68963	1.08	
114 1,2,4-Trichlorobenzene	180	12.126	12.127	-0.001	82	81745	1.48	
115 Hexachlorobutadiene	225	12.304	12.304	0.0	85	47501	1.73	
116 Naphthalene	128	12.375	12.375	0.0	100	183777	1.37	
117 1,2,3-Trichlorobenzene	180	12.623	12.624	-0.001	95	90777	1.68	
118 2-Methylnaphthalene	142		13.688					
S 119 Trihalomethanes, Total	1				0		4.06	
S 120 1,2-Dichloroethene, Total	96				0		2.23	
S 121 1,3-Dichloropropene, Total	75				0		1.75	
S 122 Xylenes, Total	106				0		2.89	
T 123 Butyl Methacrylate TIC	1		9.400					1
T 124 Hexachloroethane TIC	1		10.700					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
9 - Failed A Reference Spectral Test

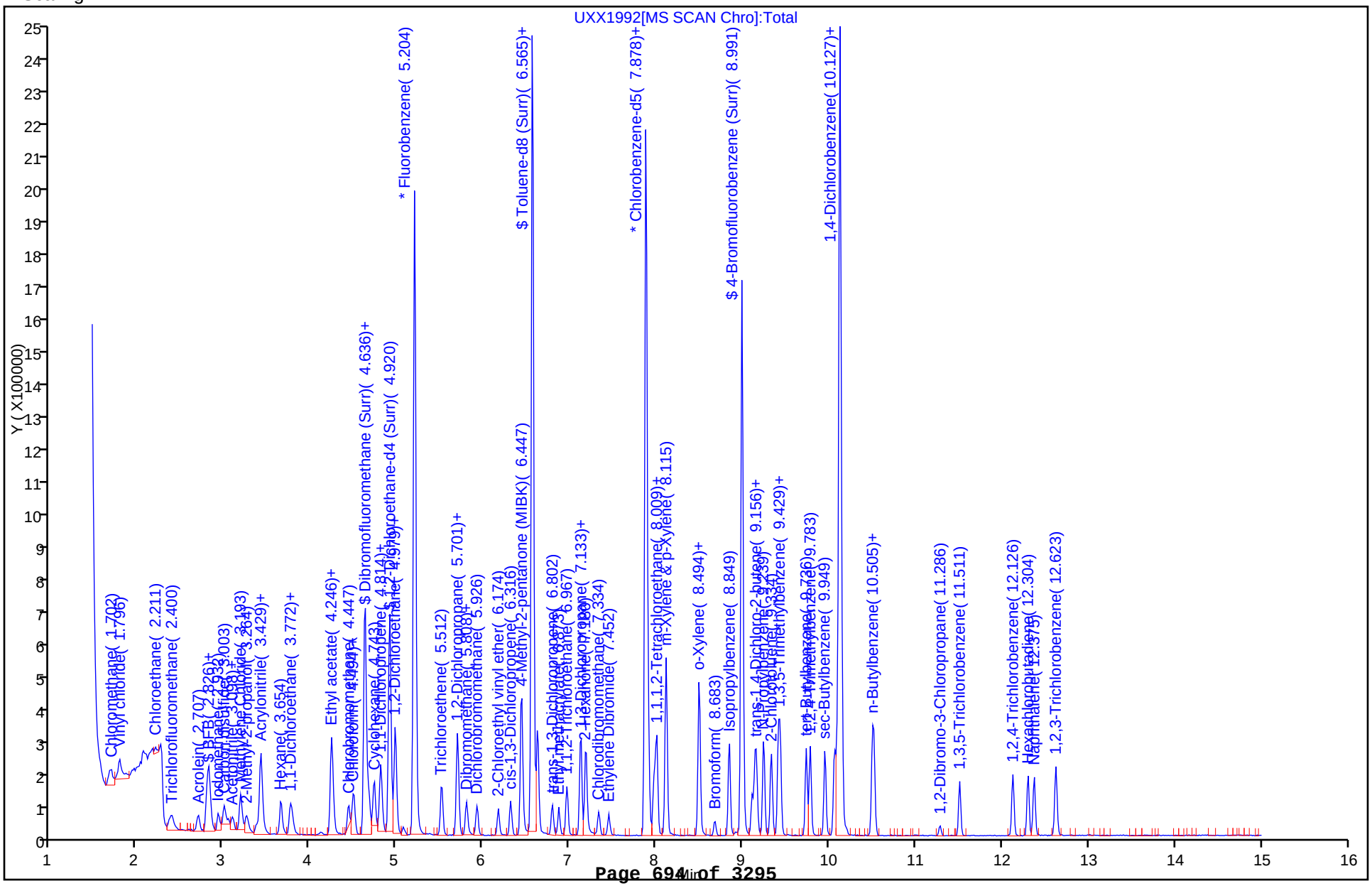
Report Date: 03-Jan-2013 07:29:24 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130102-16347.b\UXX1992.D

Injection Date:	02-Jan-2013 17:07:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	70888	Lims Sample ID:	10
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: 070-0058-0001-IDW MS | Lab Sample ID: 240-18735-5 MS

Matrix: Solid (TCLP) | Lab File ID: UXX1990.D

Analysis Method: 8260B/DoD | Date Collected: 12/12/2012 13:30

Sample wt/vol: 0.2(mL) | Date Analyzed: 01/02/2013 16:24

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 70888 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
75-35-4	1,1-Dichloroethene	0.259		0.025	0.013	0.0095
107-06-2	1,2-Dichloroethane	0.255		0.025	0.013	0.011
78-93-3	2-Butanone (MEK)	0.496		0.25	0.025	0.029
71-43-2	Benzene	0.257		0.025	0.013	0.0065
56-23-5	Carbon tetrachloride	0.265		0.025	0.013	0.0065
108-90-7	Chlorobenzene	0.247		0.025	0.013	0.0075
127-18-4	Tetrachloroethene	0.248		0.025	0.025	0.015
79-01-6	Trichloroethene	0.271		0.025	0.013	0.0085
75-01-4	Vinyl chloride	0.238		0.025	0.013	0.011
67-66-3	Chloroform	0.256		0.025	0.013	0.0080

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		90-115
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		80-121
460-00-4	4-Bromofluorobenzene (Surr)	103		70-124
1868-53-7	Dibromofluoromethane (Surr)	103		84-128

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130102-16347.b\UXX1990.D
Lims ID: 240-18735-C-5-A MS Client ID:
Inject. Date: 02-Jan-2013 16:24:30 Dil. Factor: 1.0000
Sample Type: MS
Sample ID: 240-0016347-008
Misc. Info.: P30102A,8260LLUX10,,1904 =P30102A,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 7
Lims Batch ID: 70888 Lims Sample ID: 8
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20130102-16347.b\8260_10.m
Last Update: 03-Jan-2013 07:29:20 Calib Date: 14-Dec-2012 19:27:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK036

First Level Reviewer: quayler Date: 03-Jan-2013 07:20:36

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.207	5.205	0.002	100	2031037	10.0	
* 2 Chlorobenzene-d5	117	7.881	7.879	0.002	81	1506111	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.129	10.127	0.002	89	898671	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.627	4.625	0.002	59	491118	10.3	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.911	4.921	-0.010	0	553462	9.97	
$ 7 Toluene-d8 (Surr)	98	6.567	6.565	0.002	93	1930084	9.90	
$ 8 4-Bromofluorobenzene (Surr)	95	8.993	8.991	0.002	96	707764	10.3	
11 C6-C10	1		0.000					
10 C6-C12	1		0.000					
9 Benzyl chloride	126		0.000					
143 1,3-Diethylbenzene TIC	1		0.000					
12 Dichlorodifluoromethane	85	1.562	1.560	0.002	87	418655	11.1	
13 Chloromethane	50	1.680	1.690	-0.010	89	626087	9.34	
14 Vinyl chloride	62	1.787	1.797	-0.010	83	635871	9.54	
15 Chlorodifluoromethane TIC	1		1.900					
16 Bromomethane	94	2.071	2.081	-0.010	89	273708	8.75	
17 Chloroethane	64	2.154	2.163	-0.009	99	377305	9.71	
18 Dichlorofluoromethane	67		2.329					9
19 Trichlorofluoromethane	101	2.379	2.388	-0.010	97	577937	10.7	
20 Ethyl ether	59	2.591	2.601	-0.010	90	456384	10.7	
21 Acrolein	56		2.696					
23 1,1-Dichloroethene	96	2.804	2.802	0.002	88	532509	10.3	
24 Acetone	43	2.828	2.826	0.002	93	273911	22.4	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.816	2.826	-0.010	88	463764	11.5	
22 Methylal	45		2.851					9
26 Iodomethane	142	2.935	2.933	0.002	97	910927	11.1	
27 Carbon disulfide	76	3.006	3.004	0.002	99	1665062	10.6	
28 Acetonitrile	41		3.051					9
29 3-Chloro-1-propene	76		3.098					9
30 Methyl acetate	43	3.100	3.098	0.002	97	345757	9.09	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
31 Methylene Chloride	84	3.195	3.193	0.002	83	610417	10.1	
32 2-Methyl-2-propanol	59	3.254	3.264	-0.010	94	588741	252.1	
33 Acrylonitrile	53		3.382					9
34 trans-1,2-Dichloroethene	96	3.432	3.430	0.002	71	584061	10.5	
35 Methyl tert-butyl ether	73	3.420	3.430	-0.010	91	1322797	9.66	
36 Hexane	86	3.656	3.666	-0.010	91	111921	10.1	
37 1,1-Dichloroethane	63	3.763	3.773	-0.010	85	950172	10.3	
38 Vinyl acetate	86	3.798	3.796	0.002	97	106091	13.5	
39 Isopropyl ether	87	3.822	3.819	0.003	95	483808	10.4	
40 2-Chloro-1,3-butadiene	53		3.855					9
41 Tert-butyl ethyl ether	59		4.115					
42 2-Butanone (MEK)	43	4.236	4.234	0.002	58	369532	19.8	
43 cis-1,2-Dichloroethene	96	4.248	4.246	0.002	80	609803	10.3	
44 2,2-Dichloropropane	77	4.248	4.258	-0.010	76	510254	10.6	
45 Propionitrile	54		4.281					
46 Ethyl acetate	43		4.293					9
47 Methacrylonitrile	41		4.411					9
48 Chlorobromomethane	128	4.437	4.435	0.002	92	292406	10.1	
49 Tetrahydrofuran	42	4.485	4.495	-0.010	94	120560	9.30	
50 Chloroform	83	4.497	4.495	0.002	80	953738	10.2	
51 1,1,1-Trichloroethane	97	4.674	4.672	0.002	91	707932	10.5	
52 Cyclohexane	56	4.733	4.743	-0.010	88	823185	9.70	
53 1,1-Dichloropropene	75	4.804	4.814	-0.010	94	721499	10.5	
54 Carbon tetrachloride	117	4.816	4.826	-0.010	93	625591	10.6	
55 Isobutyl alcohol	41	4.852	4.849	0.003	94	710796	569.8	
56 1,2-Dichloroethane	62	4.982	4.980	0.002	45	662452	10.2	
57 Benzene	78	4.982	4.980	0.002	95	2276906	10.3	
58 Tert-amyl methyl ether	73		5.062					9
59 n-Heptane	100		5.204					
60 n-Butanol	56		5.405					
61 Trichloroethene	130	5.514	5.524	-0.010	96	613463	10.9	
62 Ethyl acrylate	55	5.704	5.605	0.099	68	549073	0	
63 Methylcyclohexane	83	5.704	5.702	0.002	86	750294	10.1	
64 1,2-Dichloropropane	63	5.704	5.702	0.002	77	505972	10.4	
65 Methyl methacrylate	41		5.784					9
66 Dibromomethane	93	5.798	5.808	-0.010	90	325405	11.2	
67 1,4-Dioxane	88		5.808					19
68 Dichlorobromomethane	83	5.928	5.926	0.002	99	643967	10.7	
69 2-Nitropropane	41		6.115					
70 2-Chloroethyl vinyl ether	63	6.177	6.175	0.002	92	222087	8.75	
71 cis-1,3-Dichloropropene	75	6.319	6.317	0.002	90	689848	9.96	
72 4-Methyl-2-pentanone (MIBK)	43	6.437	6.447	-0.010	96	747321	19.9	
73 Toluene	91	6.626	6.624	0.002	97	2365491	9.82	
74 trans-1,3-Dichloropropene	75	6.792	6.802	-0.010	88	597970	9.37	
75 Ethyl methacrylate	69		6.873					9
76 1,1,2-Trichloroethane	97	6.970	6.968	0.002	89	457165	9.79	
77 1,3-Dichloropropane	76	7.123	7.121	0.002	90	760152	9.37	
78 Tetrachloroethene	164	7.123	7.133	-0.010	89	488809	9.92	
79 2-Hexanone	43	7.183	7.181	0.002	96	528737	19.9	
80 n-Butyl acetate	56	7.289	7.298	-0.009	83	6393	0	
81 Chlorodibromomethane	129	7.336	7.334	0.002	88	467280	9.78	
82 Tetrahydrothiophene	60		7.346					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
83 Ethylene Dibromide	107	7.455	7.453	0.002	98	432202	9.41	
84 1-Chlorohexane	91		7.779					9
85 Chlorobenzene	112	7.904	7.914	-0.010	94	1565375	9.88	
86 1,1,1,2-Tetrachloroethane	131	7.975	7.973	0.002	90	543213	10.0	
87 Ethylbenzene	106	8.011	8.009	0.002	97	817482	10.1	
88 m-Xylene & p-Xylene	106	8.117	8.115	0.002	99	2122375	20.7	
89 o-Xylene	106	8.496	8.494	0.002	89	1009145	10.2	
90 Styrene	104	8.496	8.506	-0.010	91	1716163	10.6	
91 Bromoform	173	8.674	8.683	-0.009	98	290046	9.34	
92 Isopropylbenzene	105	8.851	8.849	0.002	94	2429904	10.2	
93 1,4-Dichlorobutane	55		8.931					9
94 Cyclohexanone	55	8.922	8.931	-0.009	86	220640	44.5	
95 1,1,2,2-Tetrachloroethane	83	9.111	9.109	0.002	94	586253	9.15	
96 Bromobenzene	156	9.147	9.145	0.002	89	701151	10.2	
97 1,2,3-Trichloropropane	110	9.159	9.157	0.002	72	200343	9.62	
98 trans-1,4-Dichloro-2-butene	53	9.171	9.169	0.003	78	265736	16.8	
99 N-Propylbenzene	120	9.242	9.240	0.002	98	713922	10.8	
100 2-Chlorotoluene	126	9.336	9.334	0.002	97	636645	10.1	
101 1,3,5-Trimethylbenzene	105	9.407	9.417	-0.010	94	1975131	10.3	
102 4-Chlorotoluene	126	9.431	9.441	-0.010	98	677642	10.1	
103 tert-Butylbenzene	119	9.739	9.736	0.002	80	1558338	9.11	
104 1,2,4-Trimethylbenzene	105	9.786	9.784	0.002	70	2013522	10.3	
105 sec-Butylbenzene	105	9.951	9.949	0.002	93	2160586	10.1	
106 1,3-Dichlorobenzene	146	10.058	10.068	-0.010	96	1224594	9.67	
107 4-Isopropyltoluene	119	10.093	10.091	0.002	92	1897498	10.4	
108 1,4-Dichlorobenzene	146	10.153	10.151	0.002	95	1282000	9.34	
109 1,2,3-Trimethylbenzene	105	10.200	10.197	0.003	89	1975165	10.4	
110 n-Butylbenzene	91	10.496	10.506	-0.010	94	1365958	9.40	
111 1,2-Dichlorobenzene	146	10.519	10.517	0.002	98	1123176	9.25	
112 1,2-Dibromo-3-Chloropropane	157	11.289	11.287	0.002	84	80663	8.43	
113 1,3,5-Trichlorobenzene	180		11.511					
114 1,2,4-Trichlorobenzene	180	12.129	12.127	0.002	93	405739	7.09	
115 Hexachlorobutadiene	225	12.306	12.304	0.002	92	176185	6.19	
116 Naphthalene	128	12.377	12.375	0.002	100	813452	5.85	
117 1,2,3-Trichlorobenzene	180	12.626	12.624	0.002	99	347829	6.21	
118 2-Methylnaphthalene	142		13.688					
S 119 Trihalomethanes, Total	1				0		40.0	
S 120 1,2-Dichloroethene, Total	96				0		20.8	
S 121 1,3-Dichloropropene, Total	75				0		19.3	
S 122 Xylenes, Total	106				0		31.0	
T 123 Butyl Methacrylate TIC	1		9.400					1
T 124 Hexachloroethane TIC	1		10.700					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
9 - Failed A Reference Spectral Test

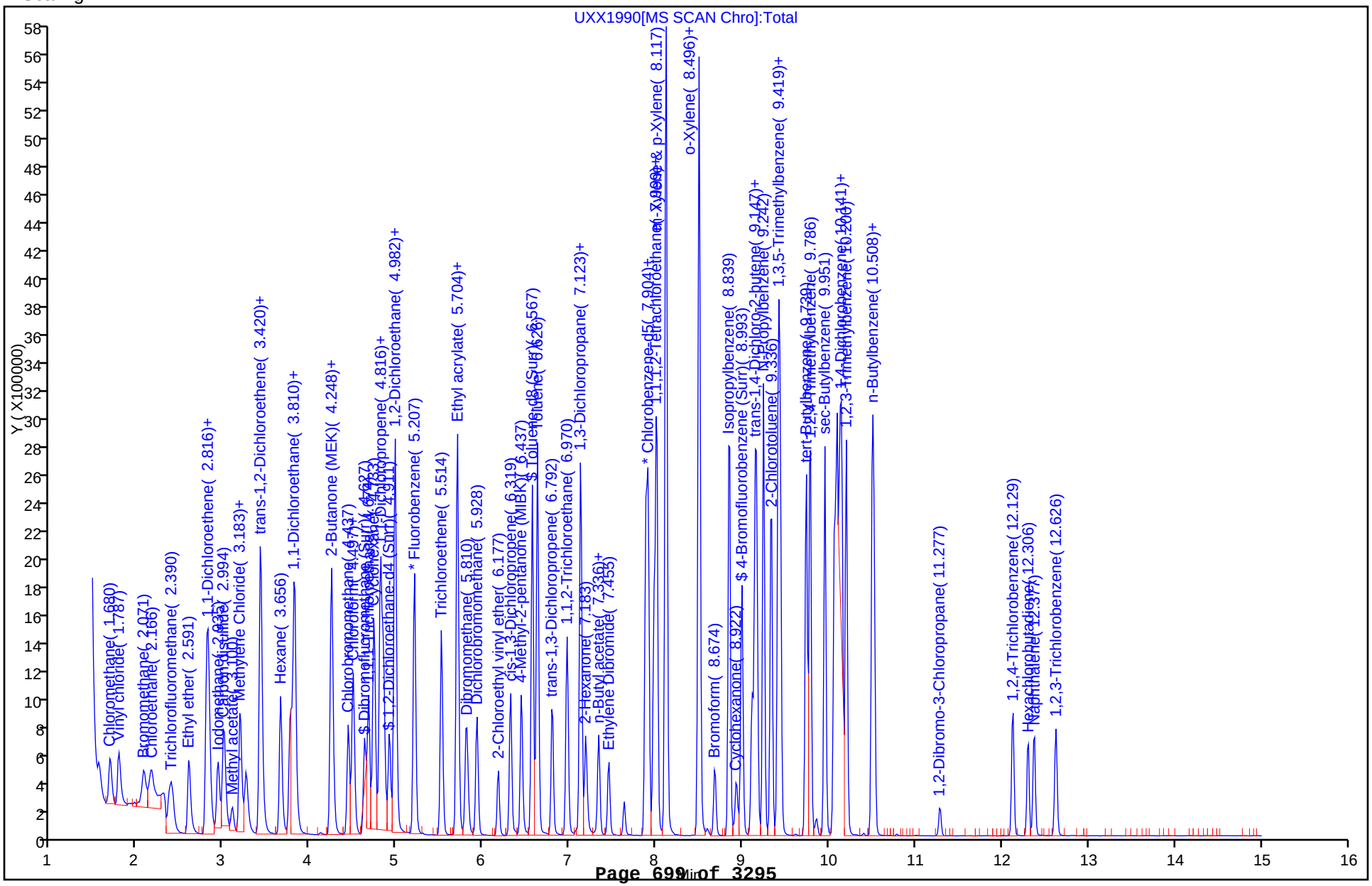
Report Date: 03-Jan-2013 07:29:23 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130102-16347.b\UXX1990.D

Injection Date:	02-Jan-2013 16:24:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	70888	Lims Sample ID:	8
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: 070-0058-0001-IDW MSD | Lab Sample ID: 240-18735-5 MSD

Matrix: Solid (TCLP) | Lab File ID: UXX1991.D

Analysis Method: 8260B/DoD | Date Collected: 12/12/2012 13:30

Sample wt/vol: 0.2(mL) | Date Analyzed: 01/02/2013 16:46

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 70888 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
75-35-4	1,1-Dichloroethene	0.263		0.025	0.013	0.0095
107-06-2	1,2-Dichloroethane	0.257		0.025	0.013	0.011
78-93-3	2-Butanone (MEK)	0.486		0.25	0.025	0.029
71-43-2	Benzene	0.256		0.025	0.013	0.0065
56-23-5	Carbon tetrachloride	0.274		0.025	0.013	0.0065
108-90-7	Chlorobenzene	0.248		0.025	0.013	0.0075
127-18-4	Tetrachloroethene	0.255		0.025	0.025	0.015
79-01-6	Trichloroethene	0.270		0.025	0.013	0.0085
75-01-4	Vinyl chloride	0.233		0.025	0.013	0.011
67-66-3	Chloroform	0.250		0.025	0.013	0.0080

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		90-115
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		80-121
460-00-4	4-Bromofluorobenzene (Surr)	100		70-124
1868-53-7	Dibromofluoromethane (Surr)	101		84-128

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130102-16347.b\UXX1991.D
Lims ID: 240-18735-C-5-A MSD Client ID:
Inject. Date: 02-Jan-2013 16:46:30 Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: 240-0016347-009
Misc. Info.: P30102A,8260LLUX10,,1904 =P30102A,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 8
Lims Batch ID: 70888 Lims Sample ID: 9
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20130102-16347.b\8260_10.m
Last Update: 03-Jan-2013 07:29:20 Calib Date: 14-Dec-2012 19:27:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK036

First Level Reviewer: quayler Date: 03-Jan-2013 07:20:19

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.206	5.205	0.001	100	2079591	10.0	
* 2 Chlorobenzene-d5	117	7.880	7.879	0.001	82	1540302	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.129	10.127	0.002	89	883234	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.626	4.625	0.001	57	493703	10.1	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.910	4.921	-0.011	0	532927	9.38	
$ 7 Toluene-d8 (Surr)	98	6.567	6.565	0.002	92	1951887	9.79	
$ 8 4-Bromofluorobenzene (Surr)	95	8.993	8.991	0.002	94	699583	9.97	
11 C6-C10	1		0.000					
10 C6-C12	1		0.000					
9 Benzyl chloride	126		0.000					
143 1,3-Diethylbenzene TIC	1		0.000					
12 Dichlorodifluoromethane	85	1.562	1.560	0.002	96	442401	11.5	
13 Chloromethane	50	1.680	1.690	-0.010	89	666628	9.71	
14 Vinyl chloride	62	1.786	1.797	-0.011	97	636023	9.32	
15 Chlorodifluoromethane TIC	1		1.900					
16 Bromomethane	94	2.070	2.081	-0.011	91	284280	8.87	
17 Chloroethane	64	2.153	2.163	-0.010	94	376971	9.48	
18 Dichlorofluoromethane	67		2.329					9
19 Trichlorofluoromethane	101	2.378	2.388	-0.010	97	594116	10.8	
20 Ethyl ether	59	2.591	2.601	-0.010	90	450279	10.3	
21 Acrolein	56		2.696					
23 1,1-Dichloroethene	96	2.804	2.802	0.002	90	554996	10.5	
24 Acetone	43	2.816	2.826	-0.010	61	268446	21.4	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.816	2.826	-0.010	88	471048	11.4	
22 Methylal	45		2.851					9
26 Iodomethane	142	2.934	2.933	0.001	96	941096	11.2	
27 Carbon disulfide	76	3.005	3.004	0.001	99	1724547	10.7	
28 Acetonitrile	41		3.051					9
29 3-Chloro-1-propene	76		3.098					9
30 Methyl acetate	43	3.100	3.098	0.002	97	337468	8.67	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
31 Methylene Chloride	84	3.195	3.193	0.001	88	622099	10.0	
32 2-Methyl-2-propanol	59	3.254	3.264	-0.010	93	581932	243.4	
33 Acrylonitrile	53		3.382					9
34 trans-1,2-Dichloroethene	96	3.431	3.430	0.001	70	609501	10.7	
35 Methyl tert-butyl ether	73	3.419	3.430	-0.011	90	1347863	9.61	
36 Hexane	86	3.656	3.666	-0.010	92	121098	10.7	
37 1,1-Dichloroethane	63	3.762	3.773	-0.011	97	958064	10.1	
38 Vinyl acetate	86	3.798	3.796	0.002	97	106060	13.2	
39 Isopropyl ether	87	3.822	3.819	0.003	95	501591	10.6	
40 2-Chloro-1,3-butadiene	53		3.855					9
41 Tert-butyl ethyl ether	59		4.115					9
42 2-Butanone (MEK)	43	4.236	4.234	0.002	58	370592	19.4	
43 cis-1,2-Dichloroethene	96	4.248	4.246	0.002	81	623214	10.3	
44 2,2-Dichloropropane	77	4.248	4.258	-0.010	89	527490	10.7	
45 Propionitrile	54		4.281					
46 Ethyl acetate	43		4.293					9
47 Methacrylonitrile	41		4.411					9
48 Chlorobromomethane	128	4.437	4.435	0.002	92	313417	10.5	
49 Tetrahydrofuran	42	4.484	4.495	-0.011	86	122188	9.21	
50 Chloroform	83	4.496	4.495	0.001	80	954834	10.0	
51 1,1,1-Trichloroethane	97	4.674	4.672	0.002	92	734494	10.6	
52 Cyclohexane	56	4.733	4.743	-0.010	88	851224	9.80	
53 1,1-Dichloropropene	75	4.804	4.814	-0.010	95	719358	10.3	
54 Carbon tetrachloride	117	4.816	4.826	-0.010	88	661478	11.0	
55 Isobutyl alcohol	41	4.851	4.849	0.002	94	708013	554.9	
56 1,2-Dichloroethane	62	4.981	4.980	0.001	51	684551	10.3	
57 Benzene	78	4.981	4.980	0.001	94	2322539	10.2	
58 Tert-amyl methyl ether	73		5.062					9
59 n-Heptane	100		5.204					
60 n-Butanol	56		5.405					
61 Trichloroethene	130	5.514	5.524	-0.010	96	625681	10.8	
62 Ethyl acrylate	55	5.703	5.605	0.098	54	574955	0	
63 Methylcyclohexane	83	5.703	5.702	0.001	87	803334	10.5	
64 1,2-Dichloropropane	63	5.703	5.702	0.001	79	506894	10.1	
65 Methyl methacrylate	41		5.784					9
66 Dibromomethane	93	5.798	5.808	-0.010	84	316907	10.7	
67 1,4-Dioxane	88	5.810	5.808	0.002	3	1152	3.79	
68 Dichlorobromomethane	83	5.928	5.926	0.002	100	660539	10.7	
69 2-Nitropropane	41		6.115					9
70 2-Chloroethyl vinyl ether	63	6.176	6.175	0.001	89	237959	9.16	
71 cis-1,3-Dichloropropene	75	6.318	6.317	0.001	89	695868	9.81	
72 4-Methyl-2-pentanone (MIBK)	43	6.437	6.447	-0.010	96	750138	19.5	
73 Toluene	91	6.626	6.624	0.002	96	2440001	9.91	
74 trans-1,3-Dichloropropene	75	6.804	6.802	0.002	92	614811	9.42	
75 Ethyl methacrylate	69		6.873					9
76 1,1,2-Trichloroethane	97	6.969	6.968	0.001	83	465651	9.75	
77 1,3-Dichloropropane	76	7.123	7.121	0.002	93	774663	9.34	
78 Tetrachloroethene	164	7.135	7.133	0.002	95	513235	10.2	
79 2-Hexanone	43	7.182	7.181	0.001	95	537441	19.8	
80 n-Butyl acetate	56	7.300	7.298	0.002	80	7046	0	
81 Chlorodibromomethane	129	7.336	7.334	0.002	87	467737	9.57	
82 Tetrahydrothiophene	60		7.346					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
83 Ethylene Dibromide	107	7.454	7.453	0.001	98	434374	9.24	
84 1-Chlorohexane	91		7.779					9
85 Chlorobenzene	112	7.904	7.914	-0.010	95	1606792	9.92	
86 1,1,1,2-Tetrachloroethane	131	7.975	7.973	0.002	83	561812	10.1	
87 Ethylbenzene	106	8.010	8.009	0.001	97	842422	10.2	
88 m-Xylene & p-Xylene	106	8.117	8.115	0.002	99	2183707	20.9	
89 o-Xylene	106	8.496	8.494	0.002	88	1043360	10.4	
90 Styrene	104	8.507	8.506	0.001	94	1768678	10.7	
91 Bromoform	173	8.673	8.683	-0.010	99	294215	9.27	
92 Isopropylbenzene	105	8.851	8.849	0.002	94	2503807	10.2	
93 1,4-Dichlorobutane	55		8.931					9
94 Cyclohexanone	55	8.933	8.931	0.002	81	211532	43.4	
95 1,1,2,2-Tetrachloroethane	83	9.111	9.109	0.002	90	577093	9.17	
96 Bromobenzene	156	9.146	9.145	0.001	88	718342	10.7	
97 1,2,3-Trichloropropane	110	9.158	9.157	0.001	73	193825	9.47	
98 trans-1,4-Dichloro-2-butene	53	9.170	9.169	0.002	77	263281	16.9	
99 N-Propylbenzene	120	9.241	9.240	0.001	97	734497	11.3	
100 2-Chlorotoluene	126	9.336	9.334	0.002	97	647005	10.5	
101 1,3,5-Trimethylbenzene	105	9.419	9.417	0.002	94	2012878	10.7	
102 4-Chlorotoluene	126	9.430	9.441	-0.011	98	704658	10.7	
103 tert-Butylbenzene	119	9.738	9.736	0.002	80	1682125	10.0	
104 1,2,4-Trimethylbenzene	105	9.785	9.784	0.001	70	2066298	10.7	
105 sec-Butylbenzene	105	9.951	9.949	0.002	93	2171220	10.3	
106 1,3-Dichlorobenzene	146	10.069	10.068	0.001	82	1245588	10.0	
107 4-Isopropyltoluene	119	10.093	10.091	0.002	93	1928533	10.8	
108 1,4-Dichlorobenzene	146	10.152	10.151	0.001	94	1319568	9.78	
109 1,2,3-Trimethylbenzene	105	10.200	10.197	0.003	87	1985279	10.7	
110 n-Butylbenzene	91	10.495	10.506	-0.011	95	1414226	9.90	
111 1,2-Dichlorobenzene	146	10.519	10.517	0.002	97	1160965	9.72	
112 1,2-Dibromo-3-Chloropropane	157	11.288	11.287	0.001	83	79931	8.50	
113 1,3,5-Trichlorobenzene	180		11.511					
114 1,2,4-Trichlorobenzene	180	12.128	12.127	0.001	92	451618	8.03	
115 Hexachlorobutadiene	225	12.306	12.304	0.002	91	200045	7.15	
116 Naphthalene	128	12.377	12.375	0.002	100	980549	7.18	
117 1,2,3-Trichlorobenzene	180	12.625	12.624	0.001	99	420820	7.64	
118 2-Methylnaphthalene	142		13.688					
S 119 Trihalomethanes, Total	1				0		39.5	
S 120 1,2-Dichloroethene, Total	96				0		21.0	
S 121 1,3-Dichloropropene, Total	75				0		19.2	
S 122 Xylenes, Total	106				0		31.2	
T 123 Butyl Methacrylate TIC	1		9.400					1
T 124 Hexachloroethane TIC	1		10.700					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
9 - Failed A Reference Spectral Test

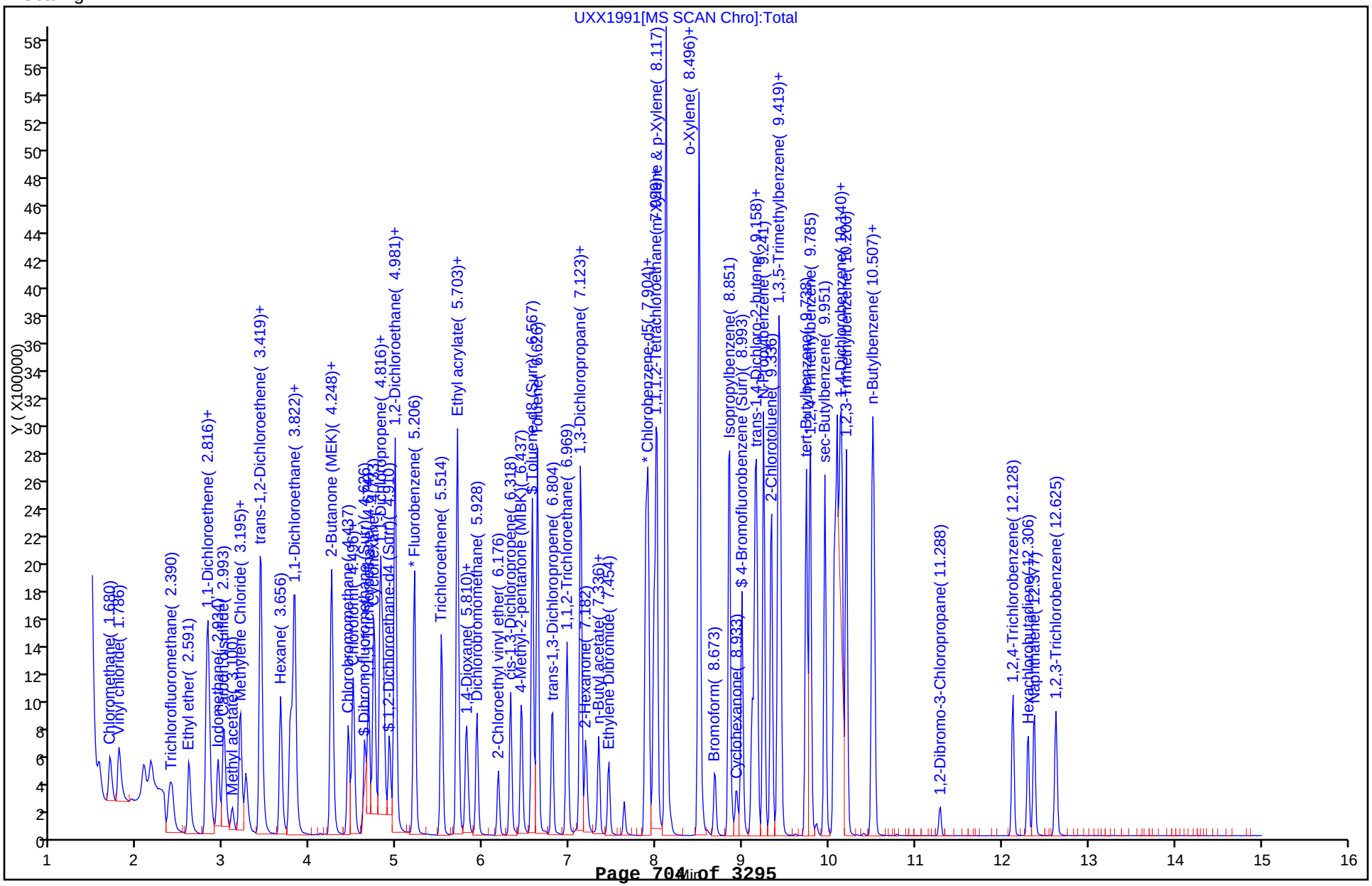
Report Date: 03-Jan-2013 07:29:24 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130102-16347.b\UXX1991.D

Injection Date:	02-Jan-2013 16:46:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	70888	Lims Sample ID:	9
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A3UX10 Start Date: 12/14/2012 15:04

Analysis Batch Number: 68811 End Date: 12/14/2012 19:48

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-68811/1		12/14/2012 15:04	1	BFB5078.D	DB-624 0.18(mm)
STD8260 240-68811/2 IC		12/14/2012 15:32	1	UXX1400.D	DB-624 0.18(mm)
STD8260 240-68811/3 IC		12/14/2012 15:53	1	UXX1401.D	DB-624 0.18(mm)
STD8260 240-68811/4 ICIS		12/14/2012 16:15	1	UXX1402.D	DB-624 0.18(mm)
STD8260 240-68811/5 IC		12/14/2012 16:36	1	UXX1403.D	DB-624 0.18(mm)
STD8260 240-68811/6 IC		12/14/2012 16:57	1	UXX1404.D	DB-624 0.18(mm)
STD8260 240-68811/7 IC		12/14/2012 17:19	1	UXX1405.D	DB-624 0.18(mm)
STDA9 240-68811/8 IC		12/14/2012 17:40	1		DB-624 0.18(mm)
STDA9 240-68811/9 IC		12/14/2012 18:01	1		DB-624 0.18(mm)
STDA9 240-68811/10 IC		12/14/2012 18:23	1		DB-624 0.18(mm)
STDA9 240-68811/11 IC		12/14/2012 18:44	1		DB-624 0.18(mm)
STDA9 240-68811/12 IC		12/14/2012 19:05	1		DB-624 0.18(mm)
STDA9 240-68811/13 IC		12/14/2012 19:27	1		DB-624 0.18(mm)
ICV 240-68811/14		12/14/2012 19:48	1	UXX1412.D	DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A3UX10 Start Date: 12/20/2012 10:51

Analysis Batch Number: 69591 End Date: 12/20/2012 18:04

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-69591/1		12/20/2012 10:51	1	BFB5089.D	DB-624 0.18(mm)
CCV 240-69591/2		12/20/2012 11:59	1	UXX1587.D	DB-624 0.18(mm)
LCS 240-69591/4		12/20/2012 12:21	1	UXX1588.D	DB-624 0.18(mm)
MRL 240-69591/5		12/20/2012 12:43	1	UXX1589.D	DB-624 0.18(mm)
MB 240-69591/6		12/20/2012 13:05	1	UXX1590.D	DB-624 0.18(mm)
ZZZZZ		12/20/2012 13:42	1		DB-624 0.18(mm)
240-18735-3	070-0056-0001-SOURCE WATER	12/20/2012 14:04	1	UXX1592.D	DB-624 0.18(mm)
240-18735-4	070-0057-0001-SOURCE WATER	12/20/2012 14:26	1	UXX1593.D	DB-624 0.18(mm)
ZZZZZ		12/20/2012 14:47	1		DB-624 0.18(mm)
ZZZZZ		12/20/2012 15:09	1		DB-624 0.18(mm)
ZZZZZ		12/20/2012 15:31	1		DB-624 0.18(mm)
ZZZZZ		12/20/2012 15:53	1		DB-624 0.18(mm)
ZZZZZ		12/20/2012 16:15	1		DB-624 0.18(mm)
ZZZZZ		12/20/2012 16:37	1		DB-624 0.18(mm)
ZZZZZ		12/20/2012 16:58	1		DB-624 0.18(mm)
ZZZZZ		12/20/2012 17:20	1		DB-624 0.18(mm)
MRL 240-69591/18		12/20/2012 17:42	1	UXX1602.D	DB-624 0.18(mm)
LODV 240-69591/19		12/20/2012 18:04	1	UXX1603.D	DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A3UX10 Start Date: 01/02/2013 13:46

Analysis Batch Number: 70888 End Date: 01/02/2013 17:07

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-70888/1		01/02/2013 13:46	1	BFB5112.D	DB-624 0.18(mm)
CCV 240-70888/2		01/02/2013 14:14	1	UXX1984.D	DB-624 0.18(mm)
LCS 240-70888/3		01/02/2013 14:36	1	UXX1985.D	DB-624 0.18(mm)
MRL 240-70888/4		01/02/2013 14:58	1	UXX1986.D	DB-624 0.18(mm)
LB 240-69292/1-A MB		01/02/2013 15:20	1	UXX1987.D	DB-624 0.18(mm)
240-18735-5	070-0058-0001-IDW	01/02/2013 15:41	1	UXX1988.D	DB-624 0.18(mm)
240-18735-6	070-0059-0001-IDW	01/02/2013 16:03	2	UXX1989.D	DB-624 0.18(mm)
240-18735-5 MS	070-0058-0001-IDW MS	01/02/2013 16:24	1	UXX1990.D	DB-624 0.18(mm)
240-18735-5 MSD	070-0058-0001-IDW MSD	01/02/2013 16:46	1	UXX1991.D	DB-624 0.18(mm)
MRL 240-70888/10		01/02/2013 17:07	1	UXX1992.D	DB-624 0.18(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Batch Number: 69292 Batch Start Date: 12/18/12 19:25 Batch Analyst: Jones, Diane

Batch Method: 1311 Batch End Date: 12/19/12 11:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	EXTCLPACETIC 00005	EXTCLPNAOH 00010	EXZHEFILTERS 00001			
240-18735-C-5	070-0058-0001-ID W	1311, 8260B/DoD	P	1 mL	1 g	1			
240-18735-F-6	070-0059-0001-ID W	1311, 8260B/DoD	P	1 mL	1 g	1			

Batch Notes	
Tumbler Rotations per Minute	F, G = 29rpm

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8270C DOD

Semivolatile Compounds (GC/MS) by Method 8270/DOD

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Solid (TCLP) Level: Low

GC Column (1): RXI-5SILMS ID: 0.45 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
070-0058-0001-IDW	240-18735-5	35	70	71	61	74	75
	MB 240-70003/22-A	29	67	69	58	76	72
	LCS 240-70003/23-A	49	74	69	58	77	69

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	10-110
PHL = Phenol-d5 (Surr)	10-110
NBZ = Nitrobenzene-d5 (Surr)	29-111
FBP = 2-Fluorobiphenyl (Surr)	22-110
TBP = 2,4,6-Tribromophenol (Surr)	17-117
TPH = Terphenyl-d14 (Surr)	40-119

Column to be used to flag recovery values

FORM II 8270C/DoD

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low

GC Column (1): RXI-5SILMS ID: 0.45 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
070-0056-0001-SOUR CE WATER	240-18735-3	68	70	74	70	74	86
070-0057-0001-SOUR CE WATER	240-18735-4	70	72	75	75	75	86
	MB 240-68547/18-A	68	69	76	77	77	84
	LCS 240-68547/19-A	72	73	78	74	83	83

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

Column to be used to flag recovery values

FORM II 8270C/DoD

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low

GC Column (1): RXI-5SILMS ID: 0.45 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
	MRL 240-70566/3	103	106	107	95	109	100
	MRL 240-70566/13	112 Q	109	98	99	112	99

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	50-150
PHL = Phenol-d5 (Surr)	50-150
NBZ = Nitrobenzene-d5 (Surr)	50-150
FBP = 2-Fluorobiphenyl (Surr)	50-150
TBP = 2,4,6-Tribromophenol (Surr)	50-150
TPH = Terphenyl-d14 (Surr)	50-150

Column to be used to flag recovery values

FORM II 8270C/DoD

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low

GC Column (1): RXI-5SILMS ID: 0.45 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
	MRL 240-68962/3	105	105	108	112 Q	119	107
	MRL 240-68962/10	102	105	109	110	127 Q	110

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	50-150
PHL = Phenol-d5 (Surr)	50-150
NBZ = Nitrobenzene-d5 (Surr)	50-150
FBP = 2-Fluorobiphenyl (Surr)	70-130
TBP = 2,4,6-Tribromophenol (Surr)	50-150
TPH = Terphenyl-d14 (Surr)	50-150

Column to be used to flag recovery values

FORM II 8270C/DoD

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water (TCLP) Level: Low

GC Column (1): RXI-5SILMS ID: 0.45 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
070-0059-0001-IDW	240-18735-6	46	67	52	48	38	70

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	10-110
PHL = Phenol-d5 (Surr)	10-110
NBZ = Nitrobenzene-d5 (Surr)	29-111
FBP = 2-Fluorobiphenyl (Surr)	22-110
TBP = 2,4,6-Tribromophenol (Surr)	17-117
TPH = Terphenyl-d14 (Surr)	40-119

Column to be used to flag recovery values

FORM II 8270C/DoD

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low Lab File ID: 21217005.D

Lab ID: LCS 240-68547/19-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acenaphthene	20.0	15.4	77	45-110	
Acenaphthylene	20.0	15.4	77	50-105	
Anthracene	20.0	15.8	79	55-110	
Benzo[a]anthracene	20.0	15.8	79	55-110	
Benzo[a]pyrene	20.0	14.0	70	55-110	
Benzo[b]fluoranthene	20.0	16.9	84	45-120	
Benzo[g,h,i]perylene	20.0	18.3	91	40-125	
Benzoic acid	20.0	10 U	36	0-125	
Benzo[k]fluoranthene	20.0	16.7	84	45-125	
Benzyl alcohol	20.0	16.0	80	30-110	
Bis(2-chloroethoxy)methane	20.0	14.7	73	45-105	
Bis(2-chloroethyl)ether	20.0	15.3	76	35-110	
bis (2-chloroisopropyl) ether	20.0	14.1	71	25-130	
Bis(2-ethylhexyl) phthalate	20.0	15.3	76	40-125	
4-Bromophenyl phenyl ether	20.0	16.8	84	50-115	
Butyl benzyl phthalate	20.0	15.5	78	45-115	
Carbazole	20.0	15.7	79	50-115	
4-Chloroaniline	20.0	14.0	70	15-110	
4-Chloro-3-methylphenol	20.0	16.3	81	45-110	
2-Chloronaphthalene	20.0	15.0	75	50-105	
2-Chlorophenol	20.0	15.7	79	35-105	
4-Chlorophenyl phenyl ether	20.0	16.3	81	50-110	
Chrysene	20.0	16.4	82	55-110	
Dibenz(a,h)anthracene	20.0	16.8	84	40-125	
Dibenzofuran	20.0	15.4	77	55-105	
1,2-Dichlorobenzene	20.0	14.6	73	35-100	
1,3-Dichlorobenzene	20.0	14.2	71	30-100	
1,4-Dichlorobenzene	20.0	14.6	73	30-100	
3,3'-Dichlorobenzidine	20.0	10.1	50	20-110	
2,4-Dichlorophenol	20.0	16.3	82	50-105	
Diethyl phthalate	20.0	16.9	85	40-120	
2,4-Dimethylphenol	20.0	11.7	58	30-110	
Dimethyl phthalate	20.0	17.1	85	25-125	
Di-n-butyl phthalate	20.0	16.9	85	55-115	
4,6-Dinitro-2-methylphenol	20.0	14.8	74	40-130	
2,4-Dinitrophenol	20.0	12.5	63	15-140	
2,4-Dinitrotoluene	20.0	16.9	84	50-120	
2,6-Dinitrotoluene	20.0	16.7	84	50-115	
Di-n-octyl phthalate	20.0	15.6	78	35-135	
Fluoranthene	20.0	16.5	83	55-115	
Fluorene	20.0	15.8	79	50-110	
Hexachlorobenzene	20.0	16.2	81	50-110	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low Lab File ID: 21217005.D

Lab ID: LCS 240-68547/19-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Hexachlorobutadiene	20.0	15.3	77	25-105	
Hexachloroethane	20.0	14.0	70	30-95	
Indeno[1,2,3-cd]pyrene	20.0	16.7	83	45-125	
Isophorone	20.0	16.5	82	50-110	
2-Methylnaphthalene	20.0	15.5	78	45-105	
2-Methylphenol	20.0	14.2	71	40-110	
3 & 4 Methylphenol	40.0	29.1	73	30-110	
Naphthalene	20.0	15.3	76	40-100	
2-Nitroaniline	20.0	16.6	83	50-115	
3-Nitroaniline	20.0	16.2	81	20-125	
4-Nitroaniline	20.0	15.0	75	35-120	
Nitrobenzene	20.0	16.1	81	45-110	
2-Nitrophenol	20.0	16.2	81	40-115	
4-Nitrophenol	20.0	19.1	95	0-125	
N-Nitrosodi-n-propylamine	20.0	16.0	80	35-130	
N-Nitrosodiphenylamine	20.0	15.3	77	50-110	
Pentachlorophenol	20.0	12.7	63	40-115	
Phenanthrene	20.0	15.8	79	50-115	
Phenol	20.0	15.0	75	0-115	
Pyrene	20.0	14.9	75	50-130	
1,2,4-Trichlorobenzene	20.0	14.8	74	35-105	
2,4,5-Trichlorophenol	20.0	16.2	81	50-110	
2,4,6-Trichlorophenol	20.0	17.0	85	50-115	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low Lab File ID: 21229005.D

Lab ID: LCS 240-70003/23-A Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
Pyridine	0.0800	0.0608	76	10-110	M
1,4-Dichlorobenzene	0.0800	0.0565	71	16-110	
2,4-Dinitrotoluene	0.0800	0.0554	69	45-126	
Hexachlorobenzene	0.0800	0.0519	65	47-116	
Hexachlorobutadiene	0.0800	0.0416	52	10-110	
Hexachloroethane	0.0800	0.0455	57	10-110	
2-Methylphenol	0.0800	0.0635	79	24-110	
3 & 4 Methylphenol	0.160	0.133	83	27-110	
Nitrobenzene	0.0800	0.0550	69	35-117	
Pentachlorophenol	0.0800	0.0522	65	12-110	
2,4,5-Trichlorophenol	0.0800	0.0633	79	35-111	
2,4,6-Trichlorophenol	0.0800	0.0636	79	32-110	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low Lab File ID: 21217003.D

Lab ID: MRL 240-68962/3 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Acenaphthene	5.00	5.49	110	70-130	
Acenaphthylene	5.00	5.55	111	70-130	
Anthracene	5.00	5.67	113	70-130	
Benzo[a]anthracene	5.00	5.61	112	70-130	
Benzo[a]pyrene	5.00	5.48	110	70-130	
Benzo[b]fluoranthene	5.00	5.92	118	70-130	
Benzo[g,h,i]perylene	5.00	6.10	122	70-130	
Benzoic acid	10.0	11.4	114	70-130	
Benzo[k]fluoranthene	5.00	5.57	111	70-130	
Benzyl alcohol	5.00	5.33	107	70-130	
Bis(2-chloroethoxy)methane	5.00	5.11	102	70-130	
Bis(2-chloroethyl)ether	5.00	5.09	102	70-130	
bis (2-chloroisopropyl) ether	5.00	4.92	98	70-130	
Bis(2-ethylhexyl) phthalate	5.00	5.45	109	70-130	
4-Bromophenyl phenyl ether	5.00	5.81	116	70-130	
Butyl benzyl phthalate	5.00	5.23	105	70-130	
Carbazole	5.00	5.59	112	70-130	
4-Chloroaniline	5.00	5.30	106	70-130	
4-Chloro-3-methylphenol	5.00	5.76	115	70-130	
2-Chloronaphthalene	5.00	5.38	108	70-130	
2-Chlorophenol	5.00	5.33	107	70-130	
4-Chlorophenyl phenyl ether	5.00	5.66	113	70-130	
Chrysene	5.00	5.59	112	70-130	
Dibenz(a,h)anthracene	5.00	5.79	116	70-130	
Dibenzofuran	5.00	5.31	106	70-130	
1,2-Dichlorobenzene	5.00	5.28	106	70-130	
1,3-Dichlorobenzene	5.00	5.35	107	70-130	
1,4-Dichlorobenzene	5.00	5.46	109	70-130	
3,3'-Dichlorobenzidine	5.00	5.44	109	70-130	
2,4-Dichlorophenol	5.00	5.88	118	70-130	
Diethyl phthalate	5.00	5.77	115	70-130	
2,4-Dimethylphenol	5.00	5.97	119	70-130	
Dimethyl phthalate	5.00	5.66	113	70-130	
Di-n-butyl phthalate	5.00	5.70	114	70-130	
4,6-Dinitro-2-methylphenol	5.00	5.40	108	70-130	
2,4-Dinitrophenol	10.0	11.5	115	70-130	
2,4-Dinitrotoluene	5.00	5.56	111	70-130	
2,6-Dinitrotoluene	5.00	5.50	110	70-130	
Di-n-octyl phthalate	5.00	5.47	109	70-130	
Fluoranthene	5.00	5.83	117	70-130	
Fluorene	5.00	5.56	111	70-130	
Hexachlorobenzene	5.00	5.56	111	70-130	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low Lab File ID: 21217003.D

Lab ID: MRL 240-68962/3 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Hexachlorobutadiene	5.00	6.16	123	70-130	
Hexachloroethane	5.00	5.28	106	70-130	
Indeno[1,2,3-cd]pyrene	5.00	5.69	114	70-130	
Isophorone	5.00	5.51	110	70-130	
2-Methylnaphthalene	5.00	5.59	112	70-130	
2-Methylphenol	5.00	5.30	106	70-130	
3 & 4 Methylphenol	5.00	5.15	103	70-130	
Naphthalene	5.00	5.44	109	70-130	
2-Nitroaniline	5.00	5.53	111	70-130	
3-Nitroaniline	5.00	5.56	111	70-130	
4-Nitroaniline	5.00	5.38	108	70-130	
Nitrobenzene	5.00	5.49	110	70-130	
2-Nitrophenol	5.00	5.65	113	70-130	
4-Nitrophenol	5.00	6.43	129	70-130	
N-Nitrosodi-n-propylamine	5.00	5.32	106	70-130	
N-Nitrosodiphenylamine	5.00	5.43	109	70-130	
Pentachlorophenol	10.0	11.8	118	70-130	
Phenanthrene	5.00	5.40	108	70-130	
Phenol	5.00	5.21	104	70-130	
Pyrene	5.00	5.53	111	70-130	
1,2,4-Trichlorobenzene	5.00	5.62	112	70-130	
2,4,5-Trichlorophenol	5.00	5.68	114	70-130	
2,4,6-Trichlorophenol	5.00	5.79	116	70-130	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low Lab File ID: 21217010.D

Lab ID: MRL 240-68962/10 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Acenaphthene	5.00	5.58	112	70-130	
Acenaphthylene	5.00	5.61	112	70-130	
Anthracene	5.00	5.64	113	70-130	
Benzo[a]anthracene	5.00	5.74	115	70-130	
Benzo[a]pyrene	5.00	5.39	108	70-130	
Benzo[b]fluoranthene	5.00	5.39	108	70-130	
Benzo[g,h,i]perylene	5.00	5.84	117	70-130	
Benzoic acid	10.0	10.6	106	70-130	
Benzo[k]fluoranthene	5.00	5.91	118	70-130	
Benzyl alcohol	5.00	5.35	107	70-130	
Bis(2-chloroethoxy)methane	5.00	5.02	100	70-130	
Bis(2-chloroethyl)ether	5.00	5.13	103	70-130	
bis (2-chloroisopropyl) ether	5.00	4.83	97	70-130	
Bis(2-ethylhexyl) phthalate	5.00	5.61	112	70-130	
4-Bromophenyl phenyl ether	5.00	5.73	115	70-130	
Butyl benzyl phthalate	5.00	5.45	109	70-130	
Carbazole	5.00	5.45	109	70-130	
4-Chloroaniline	5.00	5.40	108	70-130	
4-Chloro-3-methylphenol	5.00	5.82	116	70-130	
2-Chloronaphthalene	5.00	5.39	108	70-130	
2-Chlorophenol	5.00	5.44	109	70-130	
4-Chlorophenyl phenyl ether	5.00	5.81	116	70-130	
Chrysene	5.00	5.73	115	70-130	
Dibenz(a,h)anthracene	5.00	5.38	108	70-130	
Dibenzofuran	5.00	5.61	112	70-130	
1,2-Dichlorobenzene	5.00	5.38	108	70-130	
1,3-Dichlorobenzene	5.00	5.25	105	70-130	
1,4-Dichlorobenzene	5.00	5.38	108	70-130	
3,3'-Dichlorobenzidine	5.00	5.58	112	70-130	
2,4-Dichlorophenol	5.00	5.90	118	70-130	
Diethyl phthalate	5.00	5.83	117	70-130	
2,4-Dimethylphenol	5.00	5.71	114	70-130	
Dimethyl phthalate	5.00	5.85	117	70-130	
Di-n-butyl phthalate	5.00	5.61	112	70-130	
4,6-Dinitro-2-methylphenol	5.00	5.40	108	70-130	
2,4-Dinitrophenol	10.0	11.6	116	70-130	
2,4-Dinitrotoluene	5.00	5.75	115	70-130	
2,6-Dinitrotoluene	5.00	5.61	112	70-130	
Di-n-octyl phthalate	5.00	5.24	105	70-130	
Fluoranthene	5.00	5.74	115	70-130	
Fluorene	5.00	5.75	115	70-130	
Hexachlorobenzene	5.00	5.55	111	70-130	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low Lab File ID: 21217010.D

Lab ID: MRL 240-68962/10 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Hexachlorobutadiene	5.00	6.00	120	70-130	
Hexachloroethane	5.00	5.14	103	70-130	
Indeno[1,2,3-cd]pyrene	5.00	5.51	110	70-130	
Isophorone	5.00	5.49	110	70-130	
2-Methylnaphthalene	5.00	5.63	113	70-130	
2-Methylphenol	5.00	5.32	106	70-130	
3 & 4 Methylphenol	5.00	5.23	105	70-130	
Naphthalene	5.00	5.51	110	70-130	
2-Nitroaniline	5.00	5.78	116	70-130	
3-Nitroaniline	5.00	5.83	117	70-130	
4-Nitroaniline	5.00	5.43	109	70-130	
Nitrobenzene	5.00	5.46	109	70-130	
2-Nitrophenol	5.00	5.55	111	70-130	
4-Nitrophenol	5.00	6.65	133	70-130	^
N-Nitrosodi-n-propylamine	5.00	5.26	105	70-130	
N-Nitrosodiphenylamine	5.00	5.36	107	70-130	
Pentachlorophenol	10.0	11.6	116	70-130	
Phenanthrene	5.00	5.46	109	70-130	
Phenol	5.00	5.29	106	70-130	
Pyrene	5.00	5.48	110	70-130	
1,2,4-Trichlorobenzene	5.00	5.64	113	70-130	
2,4,5-Trichlorophenol	5.00	5.98	120	70-130	
2,4,6-Trichlorophenol	5.00	5.96	119	70-130	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low Lab File ID: 21229003.D

Lab ID: MRL 240-70566/3 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Pyridine	5.00	5.39	108	70-130	M
1,4-Dichlorobenzene	5.00	5.14	103	70-130	
2,4-Dinitrotoluene	5.00	5.52	110	70-130	
Hexachlorobenzene	5.00	4.91	98	70-130	
Hexachlorobutadiene	5.00	5.11	102	70-130	
Hexachloroethane	5.00	5.35	107	70-130	
2-Methylphenol	5.00	5.29	106	70-130	
3 & 4 Methylphenol	5.00	5.14	103	70-130	
Nitrobenzene	5.00	5.18	104	70-130	
Pentachlorophenol	10.0	8.72	87	70-130	
2,4,5-Trichlorophenol	5.00	5.01	100	70-130	
2,4,6-Trichlorophenol	5.00	5.42	108	70-130	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low Lab File ID: 21229013.D

Lab ID: MRL 240-70566/13 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Pyridine	5.00	5.56	111	70-130	M
1,4-Dichlorobenzene	5.00	5.25	105	70-130	
2,4-Dinitrotoluene	5.00	5.10	102	70-130	
Hexachlorobenzene	5.00	4.90	98	70-130	
Hexachlorobutadiene	5.00	4.96	99	70-130	
Hexachloroethane	5.00	5.83	117	70-130	
2-Methylphenol	5.00	5.70	114	70-130	
3 & 4 Methylphenol	5.00	5.43	109	70-130	
Nitrobenzene	5.00	4.92	98	70-130	
Pentachlorophenol	10.0	4.10	41	70-130	^
2,4,5-Trichlorophenol	5.00	4.86	97	70-130	
2,4,6-Trichlorophenol	5.00	5.03	101	70-130	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab File ID: 21217004.D Lab Sample ID: MB 240-68547/18-A

Matrix: Water Date Extracted: 12/13/2012 11:21

Instrument ID: A4HP7 Date Analyzed: 12/17/2012 11:18

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-68547/19-A	21217005.D	12/17/2012 11:41
070-0056-0001-SOURCE WATER	240-18735-3	21217007.D	12/17/2012 12:28
070-0057-0001-SOURCE WATER	240-18735-4	21217008.D	12/17/2012 12:51

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab File ID: 21229004.D Lab Sample ID: MB 240-70003/22-A

Matrix: Water Date Extracted: 12/24/2012 10:26

Instrument ID: A4HP9 Date Analyzed: 12/29/2012 12:15

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-70003/23-A	21229005.D	12/29/2012 12:39
070-0058-0001-IDW	240-18735-5	21229010.D	12/29/2012 15:32
070-0059-0001-IDW	240-18735-6	21229011.D	12/29/2012 15:56

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab File ID: 21107001.D DFTPP Injection Date: 11/07/2012

Instrument ID: A4HP7 DFTPP Injection Time: 11:21

Analysis Batch No.: 64102

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0- 80.0% of mass 198	43.3	
68	Less than 2.0% of mass 69	0.5	(1.1)1
69	Mass 69 relative abundance	44.0	
70	Less than 2.0% of mass 69	0.2	(0.4)1
127	25.0 - 75.0% of mass 198	52.9	
197	Less than 1.0% of mass 198	0.7	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 to 9.0% of mass 198	6.6	
275	10.0- 30.0% of mass 198	22.5	
365	Greater than 0.75% of mass 198	2.6	
441	Present, but less than mass 443	11.3	
442	40.0 - 110.0% of mass 198	74.9	
443	15.0 - 24.0% of mass 442	13.5	(18.1)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD5 240-64102/2	21107002.D	11/07/2012	11:44
	STD4 240-64102/3	21107003.D	11/07/2012	12:07
	STD3 240-64102/4	21107004.D	11/07/2012	12:31
	STD2 240-64102/5	21107005.D	11/07/2012	12:54
	STD1 240-64102/6	21107006.D	11/07/2012	13:18
	STD9 240-64102/7	21107007.D	11/07/2012	13:41
	STD8 240-64102/8	21107008.D	11/07/2012	14:05
	STD7 240-64102/9	21107009.D	11/07/2012	14:28
	STD6 240-64102/10	21107010.D	11/07/2012	14:51

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab File ID: 21121001.D DFTPP Injection Date: 11/21/2012

Instrument ID: A4HP7 DFTPP Injection Time: 11:18

Analysis Batch No.: 65876

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0- 80.0% of mass 198	41.0	
68	Less than 2.0% of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	41.6	
70	Less than 2.0% of mass 69	0.2	(0.4)1
127	25.0 - 75.0% of mass 198	50.2	
197	Less than 1.0% of mass 198	0.4	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 to 9.0% of mass 198	6.2	
275	10.0- 30.0% of mass 198	24.8	
365	Greater than 0.75% of mass 198	2.7	
441	Present, but less than mass 443	12.7	
442	40.0 - 110.0% of mass 198	93.9	
443	15.0 - 24.0% of mass 442	16.1	(17.2)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICV 240-65876/3	21121003.D	11/21/2012	12:04

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab File ID: 21217001.D DFTPP Injection Date: 12/17/2012

Instrument ID: A4HP7 DFTPP Injection Time: 10:07

Analysis Batch No.: 68962

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0- 80.0% of mass 198	44.3	
68	Less than 2.0% of mass 69	0.4	(0.9)1
69	Mass 69 relative abundance	42.9	
70	Less than 2.0% of mass 69	0.2	(0.4)1
127	25.0 - 75.0% of mass 198	50.7	
197	Less than 1.0% of mass 198	0.8	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 to 9.0% of mass 198	6.7	
275	10.0- 30.0% of mass 198	23.0	
365	Greater than 0.75% of mass 198	2.8	
441	Present, but less than mass 443	10.8	
442	40.0 - 110.0% of mass 198	71.4	
443	15.0 - 24.0% of mass 442	13.1	(18.3)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 240-68962/2	21217002.D	12/17/2012	10:30
	MRL 240-68962/3	21217003.D	12/17/2012	10:54
	MB 240-68547/18-A	21217004.D	12/17/2012	11:18
	LCS 240-68547/19-A	21217005.D	12/17/2012	11:41
070-0056-0001-SOURCE WATER	240-18735-3	21217007.D	12/17/2012	12:28
070-0057-0001-SOURCE WATER	240-18735-4	21217008.D	12/17/2012	12:51
	MRL 240-68962/10	21217010.D	12/17/2012	13:15

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab File ID: 21221001.D DFTPP Injection Date: 12/21/2012

Instrument ID: A4HP9 DFTPP Injection Time: 13:19

Analysis Batch No.: 69820

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0- 80.0% of mass 198	48.2	
68	Less than 2.0% of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	76.5	
70	Less than 2.0% of mass 69	0.3	(0.3)1
127	25.0 - 75.0% of mass 198	54.4	
197	Less than 1.0% of mass 198	0.0	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 to 9.0% of mass 198	6.8	
275	10.0- 30.0% of mass 198	24.6	
365	Greater than 0.75% of mass 198	2.5	
441	Present, but less than mass 443	0.7	
442	40.0 - 110.0% of mass 198	74.4	
443	15.0 - 24.0% of mass 442	14.2	(19.1)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD5 240-69820/2	21221002.D	12/21/2012	13:40
	STD4 240-69820/3	21221003.D	12/21/2012	14:05
	STD3 240-69820/4	21221004.D	12/21/2012	14:29
	STD2 240-69820/5	21221005.D	12/21/2012	14:55
	STD1 240-69820/6	21221006.D	12/21/2012	15:20
	STD9 240-69820/7	21221007.D	12/21/2012	15:44
	STD8 240-69820/8	21221008.D	12/21/2012	16:09
	STD7 240-69820/9	21221009.D	12/21/2012	16:34
	STD6 240-69820/10	21221010.D	12/21/2012	16:59

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab File ID: 21222001.D DFTPP Injection Date: 12/22/2012

Instrument ID: A4HP9 DFTPP Injection Time: 11:45

Analysis Batch No.: 69908

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0- 80.0% of mass 198	48.5	
68	Less than 2.0% of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	75.9	
70	Less than 2.0% of mass 69	0.6	(0.8)1
127	25.0 - 75.0% of mass 198	54.3	
197	Less than 1.0% of mass 198	0.0	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 to 9.0% of mass 198	6.2	
275	10.0- 30.0% of mass 198	22.8	
365	Greater than 0.75% of mass 198	2.3	
441	Present, but less than mass 443	12.0	
442	40.0 - 110.0% of mass 198	67.9	
443	15.0 - 24.0% of mass 442	13.1	(19.3)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICV 240-69908/3	21222003.D	12/22/2012	12:30

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab File ID: 21229001.D DFTPP Injection Date: 12/29/2012

Instrument ID: A4HP9 DFTPP Injection Time: 11:01

Analysis Batch No.: 70566

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0- 80.0% of mass 198	51.2	
68	Less than 2.0% of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	84.4	
70	Less than 2.0% of mass 69	0.5	(0.5)1
127	25.0 - 75.0% of mass 198	56.3	
197	Less than 1.0% of mass 198	0.0	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 to 9.0% of mass 198	7.1	
275	10.0- 30.0% of mass 198	25.5	
365	Greater than 0.75% of mass 198	2.4	
441	Present, but less than mass 443	5.4	
442	40.0 - 110.0% of mass 198	74.5	
443	15.0 - 24.0% of mass 442	14.8	(19.8)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 240-70566/2	21229002.D	12/29/2012	11:25
	MRL 240-70566/3	21229003.D	12/29/2012	11:50
	MB 240-70003/22-A	21229004.D	12/29/2012	12:15
	LCS 240-70003/23-A	21229005.D	12/29/2012	12:39
070-0058-0001-IDW	240-18735-5	21229010.D	12/29/2012	15:32
070-0059-0001-IDW	240-18735-6	21229011.D	12/29/2012	15:56
	MRL 240-70566/13	21229013.D	12/29/2012	16:45
	mdll1	21229014.D	12/29/2012	17:09
	mdll2	21229015.D	12/29/2012	17:34
	mdll3	21229016.D	12/29/2012	17:58
	mdll4	21229017.D	12/29/2012	18:23

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Sample No.: STD6 240-64102/10 Date Analyzed: 11/07/2012 14:51

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm)

Lab File ID (Standard): 21107010.D Heated Purge: (Y/N) N

Calibration ID: 12247

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		226874	5.90	879477	7.02	492418	8.51
UPPER LIMIT		453748	6.40	1758954	7.52	984836	9.01
LOWER LIMIT		113437	5.40	439739	6.52	246209	8.01
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-65876/3		177147	5.86	653446	6.99	382015	8.48
CCV 240-68962/2		195037	5.79	737332	6.92	439693	8.42
MRL 240-68962/3		187055	5.79	708260	6.92	416627	8.42
MB 240-68547/18-A		178197	5.79	655525	6.92	377226	8.42
LCS 240-68547/19-A		169148	5.79	654593	6.92	389410	8.42
240-18735-3	070-0056-0001-SOURCE WATER	180911	5.79	698452	6.92	408598	8.42
240-18735-4	070-0057-0001-SOURCE WATER	177829	5.79	682504	6.92	395771	8.42
MRL 240-68962/10		203289	5.79	769180	6.92	451301	8.42

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C/DOD

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Sample No.: STD6 240-64102/10 Date Analyzed: 11/07/2012 14:51

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm)

Lab File ID (Standard): 21107010.D Heated Purge: (Y/N) N

Calibration ID: 12247

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		835794	9.77	860001	12.30	705582	14.37
UPPER LIMIT		1671588	10.27	1720002	12.80	1411164	14.87
LOWER LIMIT		417897	9.27	430001	11.80	352791	13.87
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-65876/3		646813	9.74	684665	12.26	583062	14.30
CCV 240-68962/2		782725	9.67	840803	12.15	697697	14.16
MRL 240-68962/3		721236	9.67	774332	12.15	632610	14.16
MB 240-68547/18-A		686082	9.67	727525	12.15	550836	14.16
LCS 240-68547/19-A		687874	9.67	732876	12.15	567482	14.16
240-18735-3	070-0056-0001-SOURCE WATER	730428	9.67	742848	12.15	582922	14.16
240-18735-4	070-0057-0001-SOURCE WATER	713791	9.67	745095	12.15	571751	14.16
MRL 240-68962/10		814919	9.67	839334	12.15	725533	14.16

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C/DOD

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Sample No.: STD6 240-69820/10 Date Analyzed: 12/21/2012 16:59

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm)

Lab File ID (Standard): 21221010.D Heated Purge: (Y/N) N

Calibration ID: 12956

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		133456	6.01	536422	7.12	310953	8.62
UPPER LIMIT		266912	6.51	1072844	7.62	621906	9.12
LOWER LIMIT		66728	5.51	268211	6.62	155477	8.12
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-69908/3		129098	6.00	507424	7.11	292629	8.61
CCV 240-70566/2		110801	5.92	429454	7.03	260026	8.53
MRL 240-70566/3		117927	5.92	458538	7.04	274962	8.53
MB 240-70003/22-A		100272	5.92	376235	7.03	227325	8.53
LCS 240-70003/23-A		119282	5.92	476764	7.03	285435	8.53
240-18735-5	070-0058-0001-IDW	101071	5.92	380524	7.03	235273	8.53
240-18735-6	070-0059-0001-IDW	103752	5.92	428747	7.03	251374	8.53
MRL 240-70566/13		111636	5.92	465298	7.03	269909	8.53

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C/DOD

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Sample No.: STD6 240-69820/10 Date Analyzed: 12/21/2012 16:59

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm)

Lab File ID (Standard): 21221010.D Heated Purge: (Y/N) N

Calibration ID: 12956

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		564330	9.89	563045	12.50	442207	14.62
UPPER LIMIT		1128660	10.39	1126090	13.00	884414	15.12
LOWER LIMIT		282165	9.39	281523	12.00	221104	14.12
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-69908/3		521564	9.87	510621	12.47	413920	14.59
CCV 240-70566/2		441235	9.79	438762	12.34	367057	14.41
MRL 240-70566/3		459707	9.79	469617	12.34	390241	14.41
MB 240-70003/22-A		396013	9.79	390298	12.33	312523	14.41
LCS 240-70003/23-A		483562	9.79	461343	12.34	376762	14.42
240-18735-5	070-0058-0001-IDW	408106	9.79	387837	12.34	309008	14.41
240-18735-6	070-0059-0001-IDW	437656	9.79	415013	12.34	347136	14.41
MRL 240-70566/13		469685	9.78	463827	12.34	396312	14.41

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C/DOD

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: 070-0056-0001-SOURCE | Lab Sample ID: 240-18735-3

Matrix: Water | Lab File ID: 21217007.D

Analysis Method: 8270C/DoD | Date Collected: 12/12/2012 13:00

Extract. Method: 3520C | Date Extracted: 12/13/2012 11:21

Sample wt/vol: 1050(mL) | Date Analyzed: 12/17/2012 12:28

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 68962 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	0.095	U	0.19	0.095	0.095
208-96-8	Acenaphthylene	0.095	U	0.19	0.095	0.095
120-12-7	Anthracene	0.095	U	0.19	0.095	0.095
56-55-3	Benzo[a]anthracene	0.095	U	0.19	0.095	0.095
50-32-8	Benzo[a]pyrene	0.095	U	0.19	0.095	0.095
205-99-2	Benzo[b]fluoranthene	0.095	U	0.19	0.095	0.095
191-24-2	Benzo[g,h,i]perylene	0.095	U	0.19	0.095	0.095
65-85-0	Benzoic acid	9.5	U	24	9.5	9.5
207-08-9	Benzo[k]fluoranthene	0.095	U	0.19	0.095	0.095
100-51-6	Benzyl alcohol	0.76	U	4.8	0.76	0.36
111-91-1	Bis(2-chloroethoxy)methane	0.76	U	0.95	0.76	0.30
111-44-4	Bis(2-chloroethyl)ether	0.095	U	0.95	0.095	0.095
108-60-1	bis (2-chloroisopropyl) ether	0.76	U	0.95	0.76	0.38
117-81-7	Bis(2-ethylhexyl) phthalate	0.76	U	1.9	0.76	0.76
101-55-3	4-Bromophenyl phenyl ether	0.76	U	1.9	0.76	0.76
85-68-7	Butyl benzyl phthalate	0.76	U	0.95	0.76	0.76
86-74-8	Carbazole	0.76	U	0.95	0.76	0.27
106-47-8	4-Chloroaniline	0.76	U	1.9	0.76	0.76
59-50-7	4-Chloro-3-methylphenol	0.76	U	1.9	0.76	0.76
91-58-7	2-Chloronaphthalene	0.095	U	0.95	0.095	0.095
95-57-8	2-Chlorophenol	0.76	U	0.95	0.76	0.28
7005-72-3	4-Chlorophenyl phenyl ether	0.76	U	1.9	0.76	0.29
218-01-9	Chrysene	0.095	U	0.19	0.095	0.095
53-70-3	Dibenz(a,h)anthracene	0.095	U	0.19	0.095	0.095
132-64-9	Dibenzofuran	0.095	U	0.95	0.095	0.095
95-50-1	1,2-Dichlorobenzene	0.76	U	0.95	0.76	0.28
541-73-1	1,3-Dichlorobenzene	0.76	U	0.95	0.76	0.76
106-46-7	1,4-Dichlorobenzene	0.76	U	0.95	0.76	0.32
91-94-1	3,3'-Dichlorobenzidine	0.76	U	4.8	0.76	0.35
120-83-2	2,4-Dichlorophenol	0.76	U	1.9	0.76	0.76
84-66-2	Diethyl phthalate	0.76	U	0.95	0.76	0.57
105-67-9	2,4-Dimethylphenol	0.76	U	1.9	0.76	0.76
131-11-3	Dimethyl phthalate	0.76	U	0.95	0.76	0.28
84-74-2	Di-n-butyl phthalate	0.76	U	0.95	0.76	0.64

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: 070-0056-0001-SOURCE | Lab Sample ID: 240-18735-3

Matrix: Water | Lab File ID: 21217007.D

Analysis Method: 8270C/DoD | Date Collected: 12/12/2012 13:00

Extract. Method: 3520C | Date Extracted: 12/13/2012 11:21

Sample wt/vol: 1050(mL) | Date Analyzed: 12/17/2012 12:28

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 68962 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	2.3	U	4.8	2.3	2.3
51-28-5	2,4-Dinitrophenol	2.3	U	4.8	2.3	2.3
121-14-2	2,4-Dinitrotoluene	0.76	U	4.8	0.76	0.26
606-20-2	2,6-Dinitrotoluene	0.76	U	4.8	0.76	0.76
117-84-0	Di-n-octyl phthalate	0.76	U	0.95	0.76	0.76
206-44-0	Fluoranthene	0.095	U	0.19	0.095	0.095
86-73-7	Fluorene	0.095	U	0.19	0.095	0.095
118-74-1	Hexachlorobenzene	0.095	U	0.19	0.095	0.095
87-68-3	Hexachlorobutadiene	0.76	U	0.95	0.76	0.26
77-47-4	Hexachlorocyclopentadiene	0.76	U	9.5	0.76	0.76
67-72-1	Hexachloroethane	0.76	U	0.95	0.76	0.76
193-39-5	Indeno[1,2,3-cd]pyrene	0.095	U	0.19	0.095	0.095
78-59-1	Isophorone	0.76	U	0.95	0.76	0.26
91-57-6	2-Methylnaphthalene	0.095	U	0.19	0.095	0.095
95-48-7	2-Methylphenol	0.76	U	0.95	0.76	0.76
15831-10-4	3 & 4 Methylphenol	0.76	U	1.9	0.76	0.76
91-20-3	Naphthalene	0.095	U	0.19	0.095	0.095
88-74-4	2-Nitroaniline	0.76	U	1.9	0.76	0.76
99-09-2	3-Nitroaniline	0.76	U	1.9	0.76	0.27
100-01-6	4-Nitroaniline	0.76	U	1.9	0.76	0.76
98-95-3	Nitrobenzene	0.095	U	0.95	0.095	0.038
88-75-5	2-Nitrophenol	0.76	U	1.9	0.76	0.27
100-02-7	4-Nitrophenol	2.3	U	4.8	2.3	2.3
621-64-7	N-Nitrosodi-n-propylamine	0.76	U	0.95	0.76	0.76
86-30-6	N-Nitrosodiphenylamine	0.76	U	0.95	0.76	0.30
87-86-5	Pentachlorophenol	2.3	U	4.8	2.3	2.3
85-01-8	Phenanthrene	0.095	U	0.19	0.095	0.095
108-95-2	Phenol	0.76	U	0.95	0.76	0.57
129-00-0	Pyrene	0.095	U	0.19	0.095	0.095
120-82-1	1,2,4-Trichlorobenzene	0.76	U	0.95	0.76	0.27
95-95-4	2,4,5-Trichlorophenol	0.76	U	4.8	0.76	0.29
88-06-2	2,4,6-Trichlorophenol	0.76	U	4.8	0.76	0.76

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: 070-0056-0001-SOURCE | Lab Sample ID: 240-18735-3

Matrix: Water | Lab File ID: 21217007.D

Analysis Method: 8270C/DoD | Date Collected: 12/12/2012 13:00

Extract. Method: 3520C | Date Extracted: 12/13/2012 11:21

Sample wt/vol: 1050(mL) | Date Analyzed: 12/17/2012 12:28

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 68962 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	70		50-110
367-12-4	2-Fluorophenol (Surr)	68		20-110
4165-60-0	Nitrobenzene-d5 (Surr)	74		40-110
4165-62-2	Phenol-d5 (Surr)	70		10-115
1718-51-0	Terphenyl-d14 (Surr)	86		50-135
118-79-6	2,4,6-Tribromophenol (Surr)	74		40-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121217-15912.b\21217007.D
Lims ID: 240-18735-H-3-A
Client ID: 070-0056-0001-SOURCE WATER
Inject. Date: 17-Dec-2012 12:28:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0015912-007
Misc. Info.: 240-18735-h-3-a
Operator: 001710
Instrument ID: A4HP7
Injection Vol: 1.0 ul
ALS Bottle#: 7
Lims Batch ID: 68962
Lims Sample ID: 7
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121217-15912.b\8270_hp7.m
Last Update: 18-Dec-2012 09:22:49
Calib Date: 14-Nov-2012 18:19:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121114-14953.b\21114010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK030

First Level Reviewer: gruberj
Date: 17-Dec-2012 12:53:49

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.794	5.794	0.0	96	180911	4.00	
* 2 Naphthalene-d8	136	6.918	6.918	0.0	100	698452	4.00	
* 3 Acenaphthene-d10	164	8.415	8.415	0.0	93	408598	4.00	
* 4 Phenanthrene-d10	188	9.667	9.672	-0.005	97	730428	4.00	
* 5 Chrysene-d12	240	12.149	12.148	0.001	97	742848	4.00	
* 6 Perylene-d12	264	14.160	14.160	0.0	98	582922	4.00	
$ 7 2-Fluorophenol	112	4.484	4.484	0.0	94	568101	10.2	
$ 8 Phenol-d5	99	5.436	5.441	-0.005	96	742211	10.5	
$ 9 Nitrobenzene-d5	82	6.286	6.292	-0.006	91	454461	7.40	
$ 10 2-Fluorobiphenyl (Surr)	172	7.832	7.832	0.0	100	934236	7.05	
$ 11 2,4,6-Tribromophenol	330	9.078	9.078	0.0	93	187076	11.1	
$ 12 Terphenyl-d14	244	11.004	11.004	0.0	99	1181981	8.59	
41 Phenol	94		5.452					9
44 Bis(2-chloroethyl)ether	93		5.543					9
46 2-Chlorophenol	128		5.596					
47 1,3-Dichlorobenzene	146		5.741					
48 1,4-Dichlorobenzene	146		5.810					
49 Benzyl alcohol	108		5.912					9
50 1,2-Dichlorobenzene	146		5.944					
51 2-Methylphenol	108		6.008					9
52 2,2'-oxybis[1-chloropropane]	45		6.035					
191 3 & 4 Methylphenol	108		6.142					
56 N-Nitrosodi-n-propylamine	70		6.147					
60 Hexachloroethane	117		6.249					
61 Nitrobenzene	77		6.308					9
63 Isophorone	82		6.511					
65 2-Nitrophenol	139		6.586					
64 2,4-Dimethylphenol	107		6.607					
69 Benzoic acid	122		6.682					
68 Bis(2-chloroethoxy)methane	93		6.693					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162		6.789					
72 1,2,4-Trichlorobenzene	180		6.869					
73 Naphthalene	128		6.939					
74 4-Chloroaniline	127		6.976					
77 Hexachlorobutadiene	225		7.035					
84 4-Chloro-3-methylphenol	107		7.377					
85 2-Methylnaphthalene	142		7.527					
88 Hexachlorocyclopentadiene	237		7.656					
90 2,4,6-Trichlorophenol	196		7.763					
91 2,4,5-Trichlorophenol	196		7.795					
98 2-Chloronaphthalene	162		7.944					
100 2-Nitroaniline	65		8.019					
103 Dimethyl phthalate	163		8.164					
105 2,6-Dinitrotoluene	165		8.223					
107 Acenaphthylene	152		8.297					
108 3-Nitroaniline	138		8.367					
110 Acenaphthene	153		8.442					
109 2,4-Dinitrophenol	184		8.453					
111 4-Nitrophenol	109		8.490					9
112 2,4-Dinitrotoluene	165		8.560					
114 Dibenzofuran	168		8.586					
119 Diethyl phthalate	149		8.752					9
121 4-Chlorophenyl phenyl ether	204		8.864					
124 Fluorene	166		8.875					
123 4-Nitroaniline	138		8.880					
126 4,6-Dinitro-2-methylphenol	198		8.907					
130 N-Nitrosodiphenylamine	169		8.961					
137 4-Bromophenyl phenyl ether	248		9.276					
139 Hexachlorobenzene	284		9.340					
141 Pentachlorophenol	266		9.501					
146 Phenanthrene	178		9.688					9
147 Anthracene	178		9.731					9
149 Carbazole	167		9.859					
151 Di-n-butyl phthalate	149		10.116					9
157 Fluoranthene	202		10.694					9
160 Pyrene	202		10.892					9
166 Butyl benzyl phthalate	149		11.464					9
173 3,3'-Dichlorobenzidine	252		12.090					
171 Bis(2-ethylhexyl) phthalate	149	12.100	12.106	-0.006	83	10945	0.2720	
175 Benzo[a]anthracene	228		12.138					9
176 Chrysene	228		12.186					9
178 Di-n-octyl phthalate	149		12.978					9
180 Benzo[b]fluoranthene	252		13.593					
181 Benzo[k]fluoranthene	252		13.635					
182 Benzo[a]pyrene	252		14.079					12
186 Indeno[1,2,3-cd]pyrene	276		15.780					
187 Dibenz(a,h)anthracene	278		15.802					
188 Benzo[g,h,i]perylene	276		16.197					

QC Flag Legend

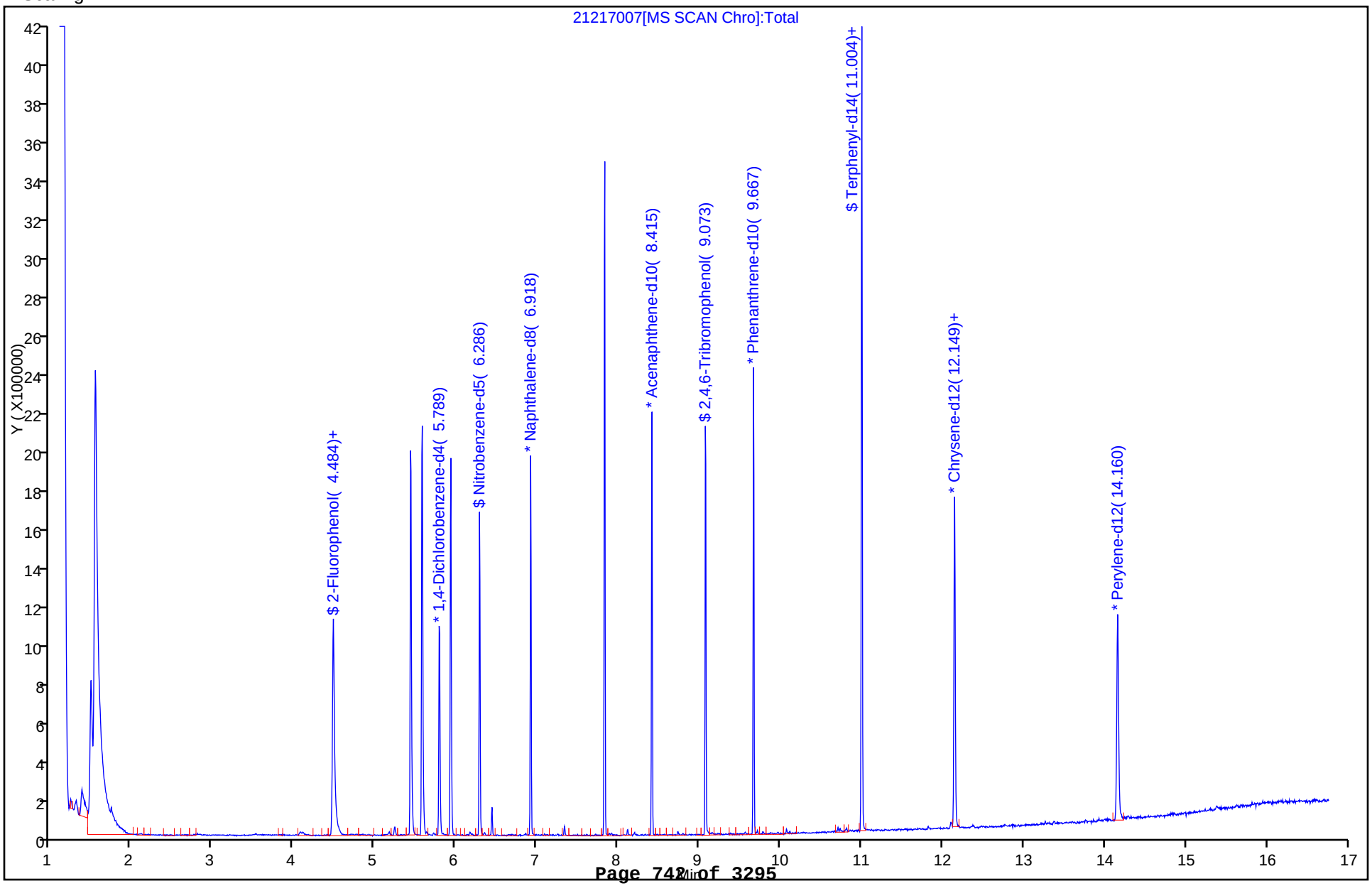
Processing Flags
1 - Missing Peaks
2 - Failed Coelution Test
9 - Failed A Reference Spectral Test

Report Date: 18-Dec-2012 09:22:56 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121217-15912.b\21217007.D		
Injection Date:	17-Dec-2012 12:28:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070-0056-0001-SOURCE WATER	Instrument ID:	A4HP7
Lims Batch ID:	68962	Lims Sample ID:	7
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: 070-0057-0001-SOURCE | Lab Sample ID: 240-18735-4

Matrix: Water | Lab File ID: 21217008.D

Analysis Method: 8270C/DoD | Date Collected: 12/12/2012 13:15

Extract. Method: 3520C | Date Extracted: 12/13/2012 11:21

Sample wt/vol: 1050(mL) | Date Analyzed: 12/17/2012 12:51

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 68962 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	0.095	U	0.19	0.095	0.095
208-96-8	Acenaphthylene	0.095	U	0.19	0.095	0.095
120-12-7	Anthracene	0.095	U	0.19	0.095	0.095
56-55-3	Benzo[a]anthracene	0.095	U	0.19	0.095	0.095
50-32-8	Benzo[a]pyrene	0.095	U	0.19	0.095	0.095
205-99-2	Benzo[b]fluoranthene	0.095	U	0.19	0.095	0.095
191-24-2	Benzo[g,h,i]perylene	0.095	U	0.19	0.095	0.095
65-85-0	Benzoic acid	9.5	U	24	9.5	9.5
207-08-9	Benzo[k]fluoranthene	0.095	U	0.19	0.095	0.095
100-51-6	Benzyl alcohol	0.76	U	4.8	0.76	0.36
111-91-1	Bis(2-chloroethoxy)methane	0.76	U	0.95	0.76	0.30
111-44-4	Bis(2-chloroethyl)ether	0.095	U	0.95	0.095	0.095
108-60-1	bis (2-chloroisopropyl) ether	0.76	U	0.95	0.76	0.38
117-81-7	Bis(2-ethylhexyl) phthalate	0.76	U	1.9	0.76	0.76
101-55-3	4-Bromophenyl phenyl ether	0.76	U	1.9	0.76	0.76
85-68-7	Butyl benzyl phthalate	0.76	U	0.95	0.76	0.76
86-74-8	Carbazole	0.76	U	0.95	0.76	0.27
106-47-8	4-Chloroaniline	0.76	U	1.9	0.76	0.76
59-50-7	4-Chloro-3-methylphenol	0.76	U	1.9	0.76	0.76
91-58-7	2-Chloronaphthalene	0.095	U	0.95	0.095	0.095
95-57-8	2-Chlorophenol	0.76	U	0.95	0.76	0.28
7005-72-3	4-Chlorophenyl phenyl ether	0.76	U	1.9	0.76	0.29
218-01-9	Chrysene	0.095	U	0.19	0.095	0.095
53-70-3	Dibenz(a,h)anthracene	0.095	U	0.19	0.095	0.095
132-64-9	Dibenzofuran	0.095	U	0.95	0.095	0.095
95-50-1	1,2-Dichlorobenzene	0.76	U	0.95	0.76	0.28
541-73-1	1,3-Dichlorobenzene	0.76	U	0.95	0.76	0.76
106-46-7	1,4-Dichlorobenzene	0.76	U	0.95	0.76	0.32
91-94-1	3,3'-Dichlorobenzidine	0.76	U	4.8	0.76	0.35
120-83-2	2,4-Dichlorophenol	0.76	U	1.9	0.76	0.76
84-66-2	Diethyl phthalate	0.76	U	0.95	0.76	0.57
105-67-9	2,4-Dimethylphenol	0.76	U	1.9	0.76	0.76
131-11-3	Dimethyl phthalate	0.76	U	0.95	0.76	0.28
84-74-2	Di-n-butyl phthalate	0.76	U	0.95	0.76	0.64

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: 070-0057-0001-SOURCE | Lab Sample ID: 240-18735-4

Matrix: Water | Lab File ID: 21217008.D

Analysis Method: 8270C/DoD | Date Collected: 12/12/2012 13:15

Extract. Method: 3520C | Date Extracted: 12/13/2012 11:21

Sample wt/vol: 1050(mL) | Date Analyzed: 12/17/2012 12:51

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 68962 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	2.3	U	4.8	2.3	2.3
51-28-5	2,4-Dinitrophenol	2.3	U	4.8	2.3	2.3
121-14-2	2,4-Dinitrotoluene	0.76	U	4.8	0.76	0.26
606-20-2	2,6-Dinitrotoluene	0.76	U	4.8	0.76	0.76
117-84-0	Di-n-octyl phthalate	0.76	U	0.95	0.76	0.76
206-44-0	Fluoranthene	0.095	U	0.19	0.095	0.095
86-73-7	Fluorene	0.095	U	0.19	0.095	0.095
118-74-1	Hexachlorobenzene	0.095	U	0.19	0.095	0.095
87-68-3	Hexachlorobutadiene	0.76	U	0.95	0.76	0.26
77-47-4	Hexachlorocyclopentadiene	0.76	U	9.5	0.76	0.76
67-72-1	Hexachloroethane	0.76	U	0.95	0.76	0.76
193-39-5	Indeno[1,2,3-cd]pyrene	0.095	U	0.19	0.095	0.095
78-59-1	Isophorone	0.76	U	0.95	0.76	0.26
91-57-6	2-Methylnaphthalene	0.095	U	0.19	0.095	0.095
95-48-7	2-Methylphenol	0.76	U	0.95	0.76	0.76
15831-10-4	3 & 4 Methylphenol	0.76	U	1.9	0.76	0.76
91-20-3	Naphthalene	0.095	U	0.19	0.095	0.095
88-74-4	2-Nitroaniline	0.76	U	1.9	0.76	0.76
99-09-2	3-Nitroaniline	0.76	U	1.9	0.76	0.27
100-01-6	4-Nitroaniline	0.76	U	1.9	0.76	0.76
98-95-3	Nitrobenzene	0.095	U	0.95	0.095	0.038
88-75-5	2-Nitrophenol	0.76	U	1.9	0.76	0.27
100-02-7	4-Nitrophenol	2.3	U	4.8	2.3	2.3
621-64-7	N-Nitrosodi-n-propylamine	0.76	U	0.95	0.76	0.76
86-30-6	N-Nitrosodiphenylamine	0.76	U	0.95	0.76	0.30
87-86-5	Pentachlorophenol	2.3	U	4.8	2.3	2.3
85-01-8	Phenanthrene	0.095	U	0.19	0.095	0.095
108-95-2	Phenol	0.76	U	0.95	0.76	0.57
129-00-0	Pyrene	0.095	U	0.19	0.095	0.095
120-82-1	1,2,4-Trichlorobenzene	0.76	U	0.95	0.76	0.27
95-95-4	2,4,5-Trichlorophenol	0.76	U	4.8	0.76	0.29
88-06-2	2,4,6-Trichlorophenol	0.76	U	4.8	0.76	0.76

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: 070-0057-0001-SOURCE | Lab Sample ID: 240-18735-4

Matrix: Water | Lab File ID: 21217008.D

Analysis Method: 8270C/DoD | Date Collected: 12/12/2012 13:15

Extract. Method: 3520C | Date Extracted: 12/13/2012 11:21

Sample wt/vol: 1050(mL) | Date Analyzed: 12/17/2012 12:51

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 68962 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	75		50-110
367-12-4	2-Fluorophenol (Surr)	70		20-110
4165-60-0	Nitrobenzene-d5 (Surr)	75		40-110
4165-62-2	Phenol-d5 (Surr)	72		10-115
1718-51-0	Terphenyl-d14 (Surr)	86		50-135
118-79-6	2,4,6-Tribromophenol (Surr)	75		40-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121217-15912.b\21217008.D
Lims ID: 240-18735-O-4-A
Client ID: 070-0057-0001-SOURCE WATER
Inject. Date: 17-Dec-2012 12:51:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0015912-008
Misc. Info.: 240-18735-o-4-a
Operator: 001710
Instrument ID: A4HP7
Injection Vol: 1.0 ul
ALS Bottle#: 8
Lims Batch ID: 68962
Lims Sample ID: 8
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121217-15912.b\8270_hp7.m
Last Update: 18-Dec-2012 09:22:49
Calib Date: 14-Nov-2012 18:19:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121114-14953.b\21114010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK030

First Level Reviewer: gruberj
Date: 17-Dec-2012 13:23:52

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.794	5.794	0.0	96	177829	4.00	
* 2 Naphthalene-d8	136	6.917	6.918	-0.001	100	682504	4.00	
* 3 Acenaphthene-d10	164	8.415	8.415	0.0	92	395771	4.00	
* 4 Phenanthrene-d10	188	9.667	9.672	-0.005	98	713791	4.00	
* 5 Chrysene-d12	240	12.148	12.148	0.0	98	745095	4.00	
* 6 Perylene-d12	264	14.159	14.160	-0.001	97	571751	4.00	
$ 7 2-Fluorophenol	112	4.484	4.484	0.0	93	576731	10.5	
$ 8 Phenol-d5	99	5.441	5.441	0.0	96	750014	10.7	
$ 9 Nitrobenzene-d5	82	6.286	6.292	-0.006	92	451903	7.53	
$ 10 2-Fluorobiphenyl (Surr)	172	7.832	7.832	0.0	99	957292	7.46	
$ 11 2,4,6-Tribromophenol	330	9.078	9.078	0.0	93	183828	11.2	
$ 12 Terphenyl-d14	244	11.004	11.004	0.0	99	1188895	8.62	
41 Phenol	94		5.452					9
44 Bis(2-chloroethyl)ether	93		5.543					9
46 2-Chlorophenol	128		5.596					
47 1,3-Dichlorobenzene	146		5.741					
48 1,4-Dichlorobenzene	146		5.810					
49 Benzyl alcohol	108		5.912					
50 1,2-Dichlorobenzene	146		5.944					
51 2-Methylphenol	108		6.008					
52 2,2'-oxybis[1-chloropropane]	45		6.035					
191 3 & 4 Methylphenol	108		6.142					
56 N-Nitrosodi-n-propylamine	70		6.147					
60 Hexachloroethane	117		6.249					
61 Nitrobenzene	77		6.308					9
63 Isophorone	82		6.511					
65 2-Nitrophenol	139		6.586					
64 2,4-Dimethylphenol	107		6.607					
69 Benzoic acid	122		6.682					
68 Bis(2-chloroethoxy)methane	93		6.693					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162		6.789					
72 1,2,4-Trichlorobenzene	180		6.869					
73 Naphthalene	128		6.939					9
74 4-Chloroaniline	127		6.976					
77 Hexachlorobutadiene	225		7.035					
84 4-Chloro-3-methylphenol	107		7.377					
85 2-Methylnaphthalene	142		7.527					
88 Hexachlorocyclopentadiene	237		7.656					
90 2,4,6-Trichlorophenol	196		7.763					
91 2,4,5-Trichlorophenol	196		7.795					
98 2-Chloronaphthalene	162		7.944					
100 2-Nitroaniline	65		8.019					
103 Dimethyl phthalate	163		8.164					
105 2,6-Dinitrotoluene	165		8.223					9
107 Acenaphthylene	152		8.297					
108 3-Nitroaniline	138		8.367					
110 Acenaphthene	153		8.442					
109 2,4-Dinitrophenol	184		8.453					
111 4-Nitrophenol	109		8.490					9
112 2,4-Dinitrotoluene	165		8.560					
114 Dibenzofuran	168		8.586					
119 Diethyl phthalate	149		8.752					9
121 4-Chlorophenyl phenyl ether	204		8.864					
124 Fluorene	166		8.875					
123 4-Nitroaniline	138		8.880					
126 4,6-Dinitro-2-methylphenol	198		8.907					
130 N-Nitrosodiphenylamine	169		8.961					
137 4-Bromophenyl phenyl ether	248		9.276					
139 Hexachlorobenzene	284		9.340					
141 Pentachlorophenol	266		9.501					
146 Phenanthrene	178		9.688					9
147 Anthracene	178		9.731					9
149 Carbazole	167		9.859					9
151 Di-n-butyl phthalate	149		10.116					
157 Fluoranthene	202		10.694					
160 Pyrene	202		10.892					
166 Butyl benzyl phthalate	149		11.464					9
173 3,3'-Dichlorobenzidine	252		12.090					
171 Bis(2-ethylhexyl) phthalate	149	12.106	12.106	0.0	91	12781	0.2852	
175 Benzo[a]anthracene	228		12.138					9
176 Chrysene	228		12.186					9
178 Di-n-octyl phthalate	149		12.978					9
180 Benzo[b]fluoranthene	252		13.593					
181 Benzo[k]fluoranthene	252		13.635					
182 Benzo[a]pyrene	252		14.079					
186 Indeno[1,2,3-cd]pyrene	276		15.780					
187 Dibenz(a,h)anthracene	278		15.802					
188 Benzo[g,h,i]perylene	276		16.197					

QC Flag Legend

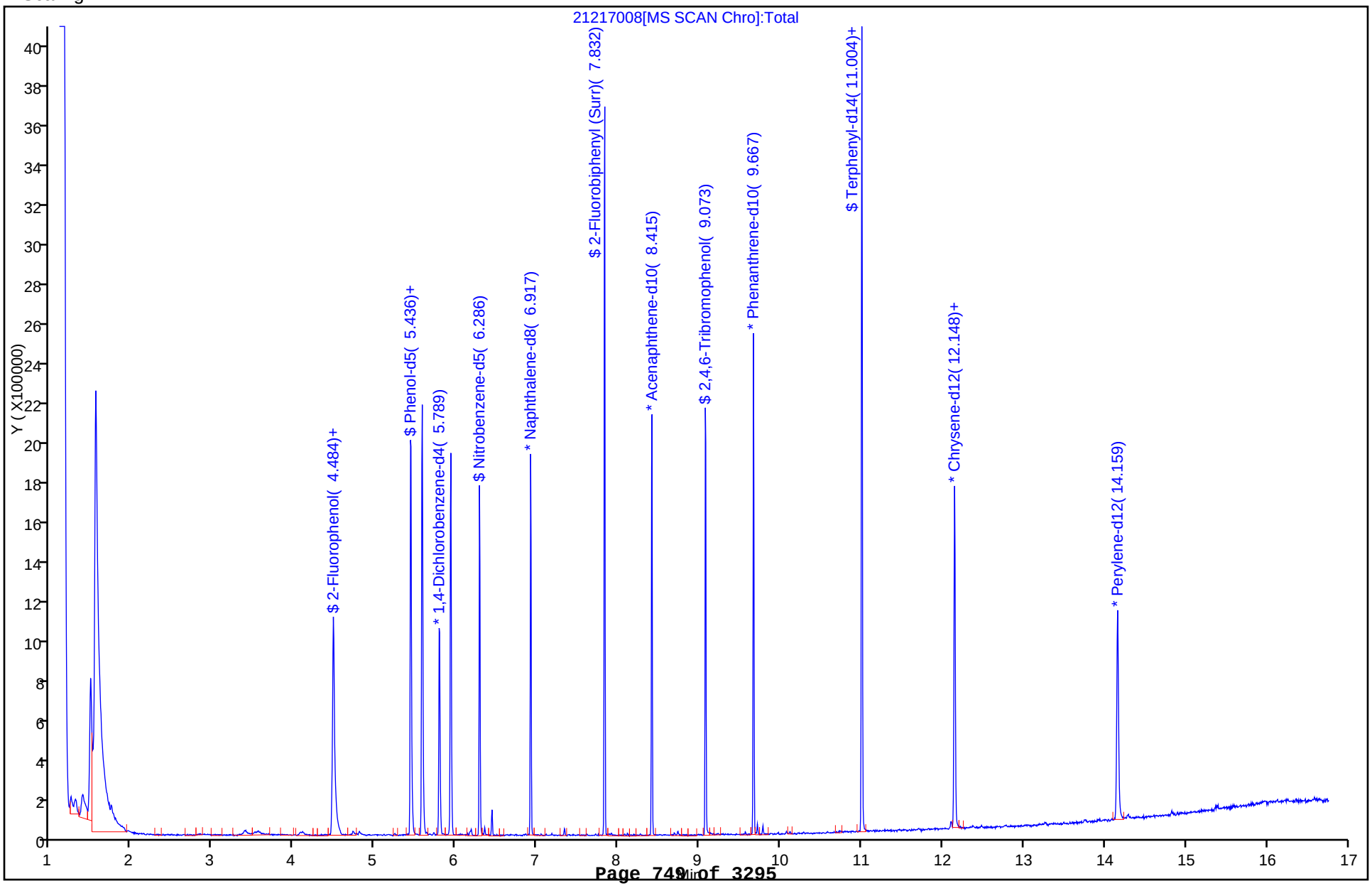
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 18-Dec-2012 09:22:57 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121217-15912.b\21217008.D		
Injection Date:	17-Dec-2012 12:51:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070-0057-0001-SOURCE WATER	Instrument ID:	A4HP7
Lims Batch ID:	68962	Lims Sample ID:	8
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: 070-0058-0001-IDW | Lab Sample ID: 240-18735-5

Matrix: Solid (TCLP) | Lab File ID: 21229010.D

Analysis Method: 8270C/DoD | Date Collected: 12/12/2012 13:30

Extract. Method: 3520C | Date Extracted: 12/24/2012 10:26

Sample wt/vol: 250(mL) | Date Analyzed: 12/29/2012 15:32

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70566 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
106-46-7	1,4-Dichlorobenzene	0.00080	U	0.0040	0.00080	0.00034
95-95-4	2,4,5-Trichlorophenol	0.00080	U	0.020	0.00080	0.00030
88-06-2	2,4,6-Trichlorophenol	0.00080	U	0.020	0.00080	0.00080
121-14-2	2,4-Dinitrotoluene	0.00080	U	0.020	0.00080	0.00027
118-74-1	Hexachlorobenzene	0.00010	U	0.020	0.00010	0.00010
87-68-3	Hexachlorobutadiene	0.00080	U	0.020	0.00080	0.00027
67-72-1	Hexachloroethane	0.00080	U	0.020	0.00080	0.00080
15831-10-4	3 & 4 Methylphenol	0.00080	U	0.040	0.00080	0.00075
95-48-7	2-Methylphenol	0.00080	U	0.0040	0.00080	0.00080
98-95-3	Nitrobenzene	0.00010	U	0.0040	0.00010	0.000040
87-86-5	Pentachlorophenol	0.0024	U	0.040	0.0024	0.0024
110-86-1	Pyridine	0.00080	U	0.020	0.00080	0.00035

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	61		22-110
367-12-4	2-Fluorophenol (Surr)	35		10-110
4165-60-0	Nitrobenzene-d5 (Surr)	71		29-111
1718-51-0	Terphenyl-d14 (Surr)	75		40-119
118-79-6	2,4,6-Tribromophenol (Surr)	74		17-117
4165-62-2	Phenol-d5 (Surr)	70		10-110

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121229-16269.b\21229010.D
Lims ID: 240-18735-C-5-J
Client ID: 070-0058-0001-IDW
Inject. Date: 29-Dec-2012 15:32:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0016269-010
Misc. Info.: 240-18735-C-5-J =240-18735-C-5-J
Operator: 001574
Instrument ID: A4HP9
Injection Vol: 1.0 ul
ALS Bottle#: 10
Lims Batch ID: 70566
Lims Sample ID: 10
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121229-16269.b\8270 _9.m
Last Update: 31-Dec-2012 10:35:58
Calib Date: 21-Dec-2012 20:45:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221019.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK007

First Level Reviewer: ulmanm
Date: 31-Dec-2012 09:04:27

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.919	5.918	0.001	90	101071	4.00	
* 2 Naphthalene-d8	136	7.030	7.034	-0.004	99	380524	4.00	
* 3 Acenaphthene-d10	164	8.526	8.525	0.001	87	235273	4.00	
* 4 Phenanthrene-d10	188	9.787	9.786	0.001	99	408106	4.00	
* 5 Chrysene-d12	240	12.335	12.339	-0.004	79	387837	4.00	
* 6 Perylene-d12	264	14.413	14.412	0.001	90	309008	4.00	
$ 7 2-Fluorophenol	112	4.675	4.673	0.002	89	175654	5.18	
$ 8 Phenol-d5	99	5.567	5.571	-0.004	0	522774	10.4	
$ 9 Nitrobenzene-d5	82	6.405	6.404	0.001	84	410076	7.05	
$ 10 2-Fluorobiphenyl (Surr)	172	7.939	7.943	-0.004	98	572329	6.07	
$ 11 2,4,6-Tribromophenol	330	9.189	9.193	-0.004	81	93056	11.1	
$ 12 Terphenyl-d14	244	11.139	11.143	-0.004	98	660672	7.52	
27 Pyridine	79		2.974					
48 1,4-Dichlorobenzene	146		5.934					9
51 2-Methylphenol	108		6.126					9
21 3 & 4 Methylphenol	108		6.255					9
61 Hexachloroethane	117		6.372					9
62 Nitrobenzene	77		6.420					9
79 Hexachlorobutadiene	225		7.147					
92 2,4,6-Trichlorophenol	196		7.873					9
93 2,4,5-Trichlorophenol	196		7.905					9
114 2,4-Dinitrotoluene	165		8.669					9
141 Hexachlorobenzene	284		9.454					
143 Pentachlorophenol	266		9.615					

QC Flag Legend

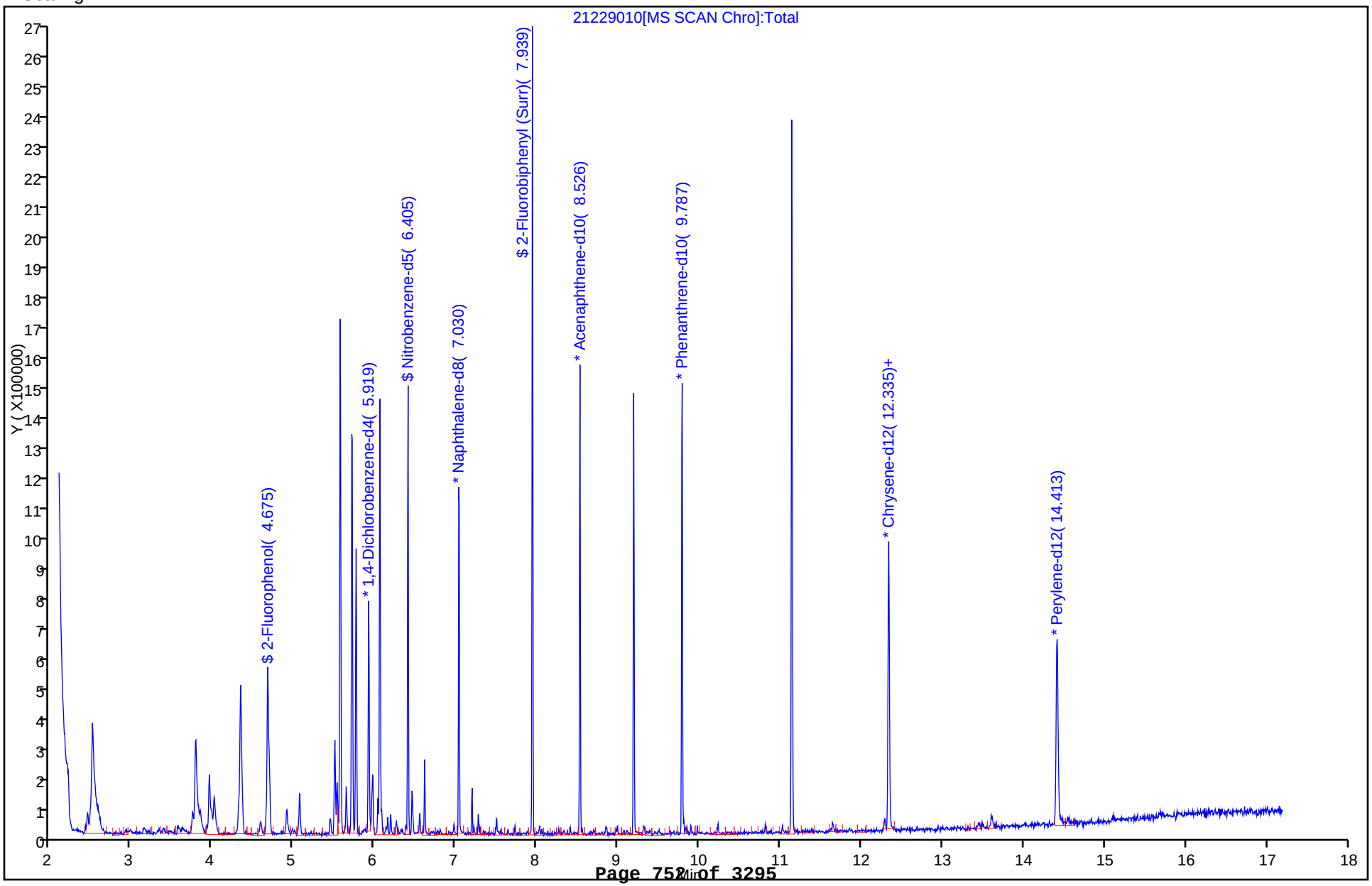
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 31-Dec-2012 10:36:10 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121229-16269.b\21229010.D		
Injection Date:	29-Dec-2012 15:32:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070-0058-0001-IDW	Instrument ID:	A4HP9
Lims Batch ID:	70566	Lims Sample ID:	10
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: 070-0059-0001-IDW | Lab Sample ID: 240-18735-6

Matrix: Water (TCLP) | Lab File ID: 21229011.D

Analysis Method: 8270C/DoD | Date Collected: 12/12/2012 13:30

Extract. Method: 3520C | Date Extracted: 12/24/2012 10:26

Sample wt/vol: 250(mL) | Date Analyzed: 12/29/2012 15:56

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70566 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
106-46-7	1,4-Dichlorobenzene	0.00080	U	0.0040	0.00080	0.00034
95-95-4	2,4,5-Trichlorophenol	0.00080	U	0.020	0.00080	0.00030
88-06-2	2,4,6-Trichlorophenol	0.00080	U	0.020	0.00080	0.00080
121-14-2	2,4-Dinitrotoluene	0.00080	U	0.020	0.00080	0.00027
118-74-1	Hexachlorobenzene	0.00010	U	0.020	0.00010	0.00010
87-68-3	Hexachlorobutadiene	0.00080	U	0.020	0.00080	0.00027
67-72-1	Hexachloroethane	0.00080	U	0.020	0.00080	0.00080
15831-10-4	3 & 4 Methylphenol	0.00080	U	0.040	0.00080	0.00075
95-48-7	2-Methylphenol	0.00080	U	0.0040	0.00080	0.00080
98-95-3	Nitrobenzene	0.00010	U	0.0040	0.00010	0.000040
87-86-5	Pentachlorophenol	0.0024	U	0.040	0.0024	0.0024
110-86-1	Pyridine	0.00080	U	0.020	0.00080	0.00035

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	48		22-110
367-12-4	2-Fluorophenol (Surr)	46		10-110
4165-60-0	Nitrobenzene-d5 (Surr)	52		29-111
1718-51-0	Terphenyl-d14 (Surr)	70		40-119
118-79-6	2,4,6-Tribromophenol (Surr)	38		17-117
4165-62-2	Phenol-d5 (Surr)	67		10-110

Report Date: 31-Dec-2012 10:36:11 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121229-16269.b\21229011.D
Lims ID: 240-18735-F-6-F Client ID: 070-0059-0001-IDW
Inject. Date: 29-Dec-2012 15:56:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0016269-011
Misc. Info.: 240-18735-F-6-F =240-18735-F-6-F
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 11
Lims Batch ID: 70566 Lims Sample ID: 11
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121229-16269.b\8270 _9.m
Last Update: 31-Dec-2012 10:35:58 Calib Date: 21-Dec-2012 20:45:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221019.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK007

First Level Reviewer: ulmanm Date: 31-Dec-2012 09:04:53

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.920	5.918	0.002	95	103752	4.00	
* 2 Naphthalene-d8	136	7.031	7.034	-0.003	99	428747	4.00	
* 3 Acenaphthene-d10	164	8.527	8.525	0.002	88	251374	4.00	
* 4 Phenanthrene-d10	188	9.788	9.786	0.002	98	437656	4.00	
* 5 Chrysene-d12	240	12.336	12.339	-0.003	77	415013	4.00	
* 6 Perylene-d12	264	14.409	14.412	-0.003	76	347136	4.00	
$ 7 2-Fluorophenol	112	4.675	4.673	0.002	90	238375	6.85	
$ 8 Phenol-d5	99	5.568	5.571	-0.003	0	519836	10.1	
$ 9 Nitrobenzene-d5	82	6.406	6.404	0.002	84	340549	5.20	
$ 10 2-Fluorobiphenyl (Surr)	172	7.939	7.943	-0.004	98	480062	4.76	
$ 11 2,4,6-Tribromophenol	330	9.195	9.193	0.002	76	48252	5.69	
$ 12 Terphenyl-d14	244	11.139	11.143	-0.004	97	662008	7.04	
27 Pyridine	79		2.974					
48 1,4-Dichlorobenzene	146		5.934					
51 2-Methylphenol	108		6.126					
21 3 & 4 Methylphenol	108		6.255					
61 Hexachloroethane	117		6.372					9
62 Nitrobenzene	77		6.420					
79 Hexachlorobutadiene	225		7.147					
92 2,4,6-Trichlorophenol	196		7.873					
93 2,4,5-Trichlorophenol	196		7.905					
114 2,4-Dinitrotoluene	165		8.669					
141 Hexachlorobenzene	284		9.454					
143 Pentachlorophenol	266		9.615					

QC Flag Legend

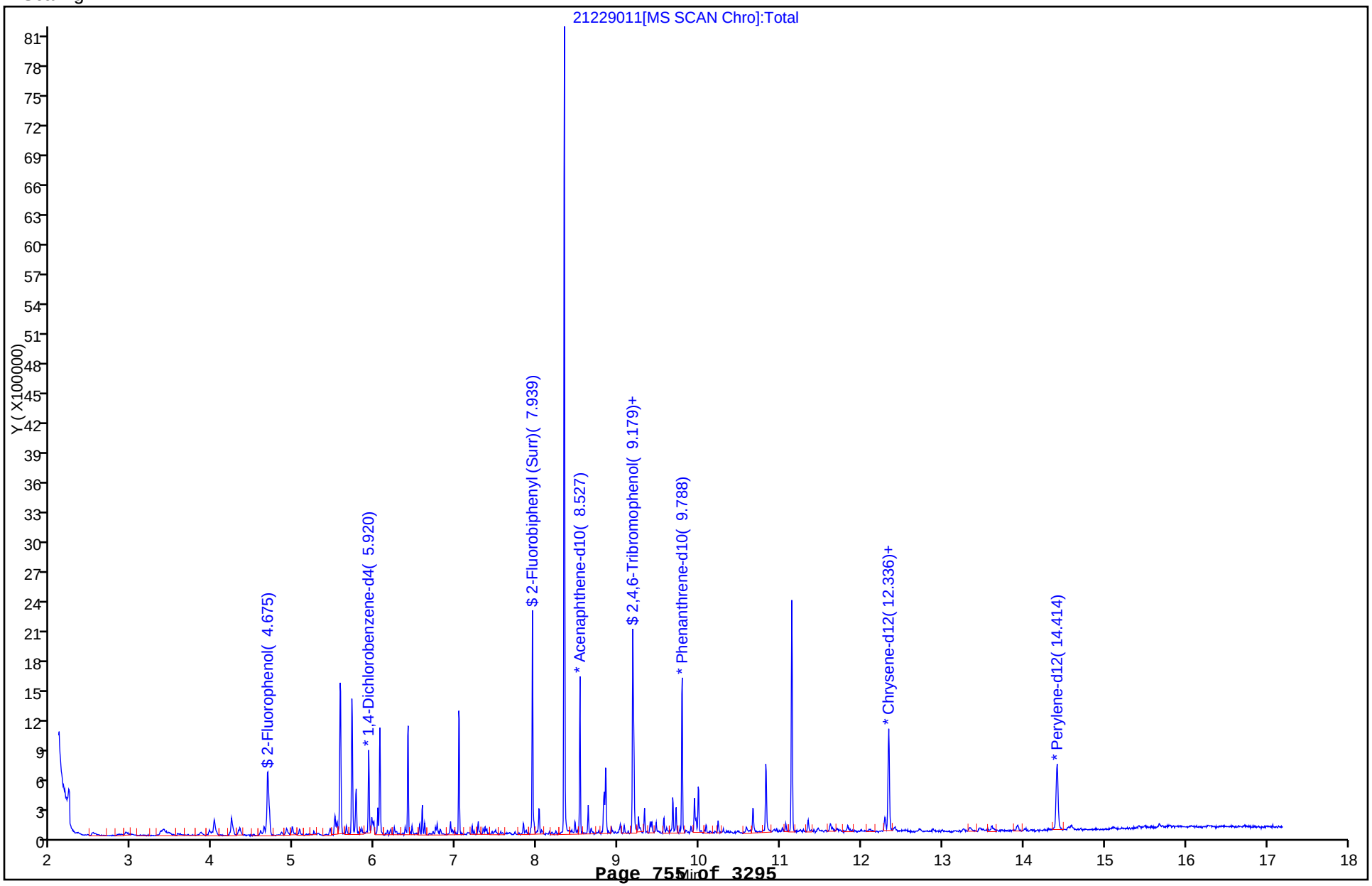
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 31-Dec-2012 10:36:11 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121229-16269.b\21229011.D		
Injection Date:	29-Dec-2012 15:56:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070-0059-0001-IDW	Instrument ID:	A4HP9
Lims Batch ID:	70566	Lims Sample ID:	11
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 64102

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/07/2012 11:44 Calibration End Date: 11/07/2012 14:51 Calibration ID: 12247

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-64102/6	21107006.D
Level 2	STD2 240-64102/5	21107005.D
Level 3	STD3 240-64102/4	21107004.D
Level 4	STD4 240-64102/3	21107003.D
Level 5	STD5 240-64102/2	21107002.D
Level 6	STD6 240-64102/10	21107010.D
Level 7	STD7 240-64102/9	21107009.D
Level 8	STD8 240-64102/8	21107008.D
Level 9	STD9 240-64102/7	21107007.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,4-Dioxane	0.5098	0.4258 0.4025	0.4233 0.4000	0.5026 0.5258	0.5238	Ave		0.4642			0.0500	12.0		15.0			
N-Nitrosodimethylamine	0.7466	0.6150 0.8001	0.5266 0.8648	0.6430 0.8002	0.7826	Qua	-0.306	0.8297	0.0001		0.0500				0.9960		0.9950
Pyridine	1.4012	1.0155 1.3966	1.1996 1.4827	1.3443 1.4204	1.3817	Ave		1.3303			0.0500	11.0		15.0			
Ethyl methacrylate	1.1053	1.0237 1.0809	1.0903 1.1665	1.1162 1.1059	1.1536	Ave		1.1053			0.0500	4.0		15.0			
3-Chloropropionitrile	0.7989	0.6637 0.7606	0.6150 0.8291	0.6839 0.7714	0.7780	Ave		0.7376			0.0500	10.0		15.0			
Malononitrile	1.5126	1.0434 1.4755	1.2150 1.6007	1.4016 1.4411	1.4417	Ave		1.3915			0.0500	13.0		15.0			
Benzaldehyde	1.1223 0.9797	1.1474 0.9098	1.1435 0.8355	1.1028 +++++	1.1020	Ave		1.0429			0.0500	11.0		15.0			
Phenol	1.6961	1.5065 1.6700	1.6375 1.7836	1.7118 1.6917	1.6927	Ave		1.6737			0.0500	4.7		15.0			
Aniline	2.0926	1.9993 2.0854	2.0423 2.2370	2.0653 2.1256	2.0983	Ave		2.0932			0.0500	3.3		15.0			
Bis(2-chloroethyl)ether	1.3021	1.2999 1.2645	1.2714 1.3657	1.2622 1.2964	1.2800	Ave		1.2928			0.0500	2.6		15.0			
2-Chlorophenol	1.3572	1.3048 1.3270	1.3231 1.4546	1.3092 1.3716	1.3699	Ave		1.3522			0.0500	3.6		15.0			
1,3-Dichlorobenzene	1.4700	1.4809 1.4147	1.4524 1.5251	1.4366 1.4428	1.4372	Ave		1.4574			0.0500	2.3		15.0			
Benzoic acid	0.2142	+++++ 0.2275	0.1082 0.2443	0.1557 0.2336	0.1997	Qua	-0.342	0.2370	0.0001		0.0500				0.9980		0.9950

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 64102

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/07/2012 11:44 Calibration End Date: 11/07/2012 14:51 Calibration ID: 12247

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,4-Dichlorobenzene	1.4395	1.4050 1.4081	1.5397 1.4964	1.4354 1.4211	1.4367	Ave		1.4477			0.0500	3.2		15.0			
Benzyl alcohol	0.8556	0.7337 0.8469	0.8131 0.9137	0.8062 0.8702	0.8262	Ave		0.8332			0.0500	6.4		15.0			
1,2-Dichlorobenzene	1.3705	1.4038 1.3315	1.3652 1.4410	1.3667 1.3812	1.3835	Ave		1.3804			0.0500	2.3		15.0			
2-Methylphenol	1.2483	1.1180 1.2025	1.1600 1.3213	1.2161 1.2534	1.2403	Ave		1.2200			0.0500	5.1		15.0			
bis (2-chloroisopropyl) ether	1.8650	1.8783 1.8356	1.9286 2.0334	1.8899 1.8770	1.8696	Ave		1.8972			0.0500	3.2		15.0			
3 & 4 Methylphenol	1.3018	1.2326 1.2779	1.1884 1.3978	1.2611 1.2867	1.2851	Ave		1.2789			0.0500	4.7		15.0			
N-Nitrosodi-n-propylamine	0.9250	0.8236 0.9070	0.8471 0.9792	0.9082 0.9177	0.9391	Ave		0.9059			0.0500	5.5		15.0			
Acetophenone	1.7864	1.7810 1.7584	1.7811 1.9057	1.8130 1.8063	1.8313	Ave		1.8079			0.0500	2.5		15.0			
Hexachloroethane	0.5803	0.6397 0.5697	0.5746 0.6095	0.5678 0.5781	0.5877	Ave		0.5884			0.0500	4.2		15.0			
Nitrobenzene	0.3721	0.3322 0.3640	0.3444 0.3849	0.3655 0.3788	0.3660	Ave		0.3635			0.0500	4.8		15.0			
2,4-Dinitrophenol	0.1765	+++++ 0.1941	+++++ 0.2021	0.1239 0.1948	0.1518	Qua	-0.481	0.2109	0		0.0500				0.9980		0.9950
Isophorone	0.6476	0.5485 0.6449	0.5969 0.7001	0.6299 0.6793	0.6570	Ave		0.6380			0.0500	7.5		15.0			
2-Nitrophenol	0.1846	0.1386 0.1803	0.1450 0.1892	0.1662 0.1829	0.1815	Ave		0.1710			0.0500	11.0		15.0			
1,3,5-Trichlorobenzene	0.3164	0.3122 0.3053	0.3368 0.3192	0.3135 0.3116	0.3224	Ave		0.3172			0.0500	3.0		15.0			
2,4-Dimethylphenol	0.3404	0.2987 0.3364	0.3475 0.3515	0.3369 0.3432	0.3353	Ave		0.3362			0.0500	4.8		15.0			
Bis(2-chloroethoxy)methane	0.4021	0.3889 0.3990	0.4036 0.4147	0.4126 0.4087	0.4122	Ave		0.4052			0.0500	2.1		15.0			
2,4-Dichlorophenol	0.2713	0.2421 0.2687	0.2419 0.2875	0.2616 0.2814	0.2712	Ave		0.2657			0.0500	6.3		15.0			
1,2,4-Trichlorobenzene	0.3131	0.3227 0.3098	0.3195 0.3193	0.3147 0.3186	0.3173	Ave		0.3169			0.0500	1.3		15.0			
Naphthalene	0.9105 1.0019	0.9983 0.9967	0.9777 1.0621	0.9833 1.0522	1.0125	Ave		0.9995			0.0500	4.4		15.0			
4-Chloroaniline	0.4328	0.3864 0.4270	0.4043 0.4590	0.4265 0.4444	0.4280	Ave		0.4261			0.0500	5.3		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 64102

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/07/2012 11:44 Calibration End Date: 11/07/2012 14:51 Calibration ID: 12247

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Hexachlorobutadiene	0.1723	0.1815 0.1648	0.1756 0.1728	0.1707 0.1721	0.1632	Ave		0.1716			0.0500	3.4		15.0			
Caprolactam	0.0928	0.0513 0.1026	0.0744 0.0913	0.0901 0.0846	0.0970	Qua	-0.053	0.1187	-0.001		0.0500				0.9970		0.9950
4-Chloro-3-methylphenol	0.2896	0.2513 0.2886	0.2699 0.3116	0.2780 0.3041	0.2902	Ave		0.2854			0.0500	6.7		15.0			
2-Methylnaphthalene	0.5957 0.6414	0.6587 0.6257	0.6252 0.6720	0.6353 0.6588	0.6409	Ave		0.6393			0.0500	3.6		15.0			
1-Methylnaphthalene	0.5613 0.6120	0.5620 0.6131	0.6006 0.6420	0.6295 0.6346	0.6201	Ave		0.6084			0.0500	4.8		15.0			
1,2,3,5-Tetrachlorobenzene	0.5377	0.5627 0.5320	0.5476 0.5410	0.5332 0.5292	0.5659	Ave		0.5437			0.0500	2.6		15.0			
Hexachlorocyclopentadiene	0.3321	0.3044 0.3273	0.2902 0.3513	0.3153 0.3438	0.3287	Ave		0.3241			0.0500	6.2		15.0			
2,4,6-Trichlorophenol	0.3564	0.2820 0.3537	0.3048 0.3708	0.3205 0.3569	0.3522	Ave		0.3372			0.0500	9.2		15.0			
4,6-Dinitro-2-methylphenol	0.1332	+++++ 0.1334	0.0737 0.1454	0.0882 0.1421	0.1162	Qua	-0.091	0.1373	0.0004		0.0500				0.9990		0.9950
2,4,5-Trichlorophenol	0.3838	0.2978 0.3845	0.3338 0.4018	0.3572 0.3775	0.3691	Ave		0.3632			0.0500	9.2		15.0			
2,4-Toluene diamine	0.2040	0.2174 0.1846	0.2277 0.1679	0.2230 0.1793	0.2252	Ave		0.2036			0.0500	12.0		15.0			
1,1'-Biphenyl	1.4859 1.3972	1.3995 1.3777	1.3829 1.4625	1.3912 1.3964	1.4213	Ave		1.4127			0.0500	2.6		15.0			
2-Chloronaphthalene	1.0803 1.1163	1.1085 1.0859	1.0968 1.1464	1.1127 1.0969	1.0971	Ave		1.1046			0.0500	1.8		15.0			
2-Nitroaniline	0.3491	0.2778 0.3477	0.2713 0.3698	0.3032 0.3479	0.3271	Ave		0.3242			0.0500	11.0		15.0			
Dimethyl phthalate	1.1987	1.1235 1.1820	1.1109 1.2682	1.1428 1.2104	1.1617	Ave		1.1748			0.0500	4.4		15.0			
2,6-Dinitrotoluene	0.2715	0.1744 0.2632	0.1956 0.2877	0.2063 0.2705	0.2441	Qua	-0.114	0.2818	0		0.0500				0.9980		0.9950
1,2-Dinitrobenzene	0.1380	0.1060 0.1435	0.1036 0.1514	0.1254 0.1442	0.1308	Ave		0.1303			0.0500	14.0		15.0			
Acenaphthylene	1.7126 1.8793	1.7459 1.8562	1.6910 1.9899	1.7949 1.9173	1.8341	Ave		1.8246			0.0500	5.4		15.0			
3-Nitroaniline	0.3205	0.2209 0.3212	0.2379 0.3478	0.2753 0.3271	0.3019	Ave		0.2941			0.0500	15.0		15.0			
Acenaphthene	1.0184 1.1063	1.1266 1.0621	1.1206 1.1301	1.1148 1.0865	1.1101	Ave		1.0973			0.0500	3.3		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 64102

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/07/2012 11:44 Calibration End Date: 11/07/2012 14:51 Calibration ID: 12247

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
4-Nitrophenol	0.1836	0.1310 0.1821	0.1417 0.1968	0.1566 0.1898	0.1733	Ave		0.1694			0.0500	14.0		15.0			
2,4-Dinitrotoluene	0.3607	0.2264 0.3599	0.2488 0.3926	0.3014 0.3747	0.3412	Qua	-0.127	0.3704	0.0006		0.0500				0.9980		0.9950
Dibenzofuran	1.7193 1.6180	1.5780 1.6036	1.5718 1.7016	1.6076 1.6465	1.6104	Ave		1.6285			0.0500	3.2		15.0			
2,3,5,6-Tetrachlorophenol	0.3223	0.2284 0.3208	0.2595 0.3433	0.2792 0.3254	0.3164	Ave		0.2994			0.0500	13.0		15.0			
Diethyl phthalate	1.2294	1.1783 1.2226	1.1857 1.3397	1.1716 1.2653	1.2324	Ave		1.2281			0.0500	4.5		15.0			
4-Chlorophenyl phenyl ether	0.6357	0.5733 0.6065	0.6180 0.6588	0.6260 0.6156	0.6157	Ave		0.6187			0.0500	4.0		15.0			
4-Nitroaniline	0.3167	0.2009 0.3139	0.2466 0.3397	0.2878 0.3185	0.3130	Qua	-0.094	0.3343	0		0.0500				0.9980		0.9950
Fluorene	1.2550 1.3314	1.2851 1.2890	1.3063 1.3521	1.3185 1.3149	1.3171	Ave		1.3077			0.0500	2.2		15.0			
N-Nitrosodiphenylamine	0.5728	0.4888 0.5500	0.5058 0.5914	0.5695 0.5772	0.5578	Ave		0.5517			0.0500	6.5		15.0			
1,2-Diphenylhydrazine(as Azobenzene)	0.7981	0.7105 0.7796	0.7344 0.8275	0.7817 0.8098	0.7914	Ave		0.7785			0.0500	5.1		15.0			
Azobenzene	0.7981	0.7105 0.7796	0.7300 0.8276	0.7807 0.8098	0.7914	Ave		0.7785			0.0500	5.1		15.0			
4-Bromophenyl phenyl ether	0.2103	0.2038 0.2029	0.1921 0.2110	0.1976 0.2065	0.2078	Ave		0.2040			0.0500	3.2		15.0			
Hexachlorobenzene	0.2152 0.2098	0.2166 0.1993	0.2112 0.2102	0.2097 0.2062	0.2126	Ave		0.2101			0.0500	2.4		15.0			
Atrazine	0.1636	0.1172 0.1499	0.1507 0.1484	0.1589 0.1487	0.1638	Ave		0.1501			0.0500	9.9		15.0			
Pentachlorophenol	0.1432	0.0764 0.1437	0.1025 0.1479	0.1304 0.1499	0.1435	Qua	-0.053	0.1417	0.0002		0.0500				1.0000		0.9950
Phenanthrene	1.1503 1.0817	1.1095 1.0457	1.0769 1.1249	1.0763 1.1011	1.0687	Ave		1.0928			0.0500	2.9		15.0			
Anthracene	0.9330 1.1262	1.0252 1.1070	1.0620 1.1808	1.0695 1.1555	1.1124	Ave		1.0857			0.0500	6.9		15.0			
Carbazole	1.0898	0.9420 1.0735	0.9667 1.1392	1.0151 1.1185	1.0930	Ave		1.0547			0.0500	6.8		15.0			
Di-n-butyl phthalate	1.2688	0.9110 1.2244	1.0258 1.3316	1.1387 1.3294	1.2465	Ave		1.1846			0.0500	13.0		15.0			
Fluoranthene	1.0035 1.2732	1.1167 1.2401	1.1487 1.3336	1.2045 1.2971	1.2443	Ave		1.2069			0.0500	8.5		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 64102

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/07/2012 11:44 Calibration End Date: 11/07/2012 14:51 Calibration ID: 12247

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Benzidine	0.6836	0.2847 0.7032	0.3811 0.7698	0.5359 0.7647	0.6427	Qua	-0.269	0.6709	0.0045		0.0500				0.9990		0.9950
Pyrene	1.1637 1.3101	1.1792 1.2804	1.2217 1.3838	1.3006 1.3658	1.2819	Ave		1.2764			0.0500	6.0		15.0			
Butyl benzyl phthalate	0.5270	0.3318 0.5208	0.4406 0.5674	0.4867 0.5582	0.5295	Qua	-0.063	0.5118	0.0021		0.0500				0.9990		0.9950
3,3'-Dimethoxybenzidine	0.2697	0.0685 0.2865	0.1012 0.3178	0.1548 0.3080	0.2350	Qua	-0.202	0.2800	0.0017		0.0500				0.9980		0.9950
3,3'-Dichlorobenzidine	0.4507	0.2772 0.4386	0.3338 0.4636	0.4149 0.4556	0.4380	Qua	-0.089	0.4498	0.0005		0.0500				0.9990		0.9950
4,4'-Methylene bis(2-chloroaniline)	0.2061	0.1139 0.2039	0.1602 0.2145	0.1909 0.2173	0.2051	Qua	-0.025	0.1980	0.0008		0.0500				1.0000		0.9950
Bis(2-ethylhexyl) phthalate	0.7391	0.4220 0.7353	0.5769 0.8101	0.6687 0.7859	0.7501	Qua	-0.141	0.7332	0.0027		0.0500				0.9980		0.9950
Benzo[a]anthracene	1.0633 1.1208	1.0496 1.1086	1.0591 1.1999	1.1188 1.1829	1.1436	Ave		1.1163			0.0500	4.8		15.0			
Chrysene	1.1088 1.0735	1.0016 1.0386	1.0354 1.1149	1.0406 1.1059	1.0559	Ave		1.0639			0.0500	3.7		15.0			
Di-n-octyl phthalate	1.4170	0.5551 1.4815	0.8647 1.5992	1.1420 1.5917	1.4775	Qua	-0.468	1.4228	0.0080		0.0500				0.9990		0.9950
Benzo[b]fluoranthene	0.9862 1.3488	1.1161 1.3724	1.1849 1.4679	1.2297 1.4116	1.3666	Ave		1.2760			0.0500	12.0		15.0			
Benzo[k]fluoranthene	1.1257 1.5289	1.0930 1.4656	1.3912 1.5039	1.3803 1.5708	1.4196	Ave		1.3866			0.0500	12.0		15.0			
Benzo[a]pyrene	0.7438 1.3440	0.9346 1.3356	1.0419 1.3870	1.1887 1.4112	1.3040	Qua	-0.145	1.2861	0.0052		0.0500				1.0000		0.9950
Indeno[1,2,3-cd]pyrene	0.8289 1.4466	1.0135 1.4570	1.2258 1.5136	1.3229 1.5238	1.4928	Qua	-0.115	1.4180	0.0045		0.0500				1.0000		0.9950
Dibenz(a,h)anthracene	0.6833 1.2451	0.6703 1.2381	0.9755 1.2821	1.1210 1.2756	1.2071	Qua	-0.209	1.2385	0.0020		0.0500				1.0000		0.9950
Benzo[g,h,i]perylene	0.8878 1.2515	0.8506 1.2343	1.0454 1.2968	1.1757 1.3076	1.2569	Ave		1.1452			0.0500	15.0		15.0			
2-Fluorophenol (Surr)	1.2400	1.1712 1.2208	1.1762 1.3328	1.2045 1.2613	1.2849	Ave		1.2365			0.0500	4.5		15.0			
Phenol-d5 (Surr)	1.5816	1.4166 1.5782	1.4942 1.7117	1.5181 1.6113	1.6467	Ave		1.5698			0.0500	5.9		15.0			
Nitrobenzene-d5 (Surr)	0.3055 0.3585	0.3349 0.3630	0.3281 0.3828	0.3491 0.3731	0.3702	Ave		0.3517			0.0500	7.1		15.0			
2-Fluorobiphenyl (Surr)	1.2554 1.3099	1.2016 1.2997	1.2987 1.3846	1.2999 1.3063	1.3233	Ave		1.2977			0.0500	3.8		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 64102

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/07/2012 11:44 Calibration End Date: 11/07/2012 14:51 Calibration ID: 12247

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2,4,6-Tribromophenol (Surr)	0.1718	0.1422 0.1717	0.1490 0.1798	0.1693 0.1734	0.1664	Ave		0.1655			0.0500	7.8		15.0			
Terphenyl-d14 (Surr)	0.7066 0.7557	0.6865 0.7362	0.7505 0.7829	0.7306 0.7668	0.7516	Ave		0.7408			0.0500	4.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 64102

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/07/2012 11:44 Calibration End Date: 11/07/2012 14:51 Calibration ID: 12247

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-64102/6	21107006.D
Level 2	STD2 240-64102/5	21107005.D
Level 3	STD3 240-64102/4	21107004.D
Level 4	STD4 240-64102/3	21107003.D
Level 5	STD5 240-64102/2	21107002.D
Level 6	STD6 240-64102/10	21107010.D
Level 7	STD7 240-64102/9	21107009.D
Level 8	STD8 240-64102/8	21107008.D
Level 9	STD9 240-64102/7	21107007.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,4-Dioxane	DCB	Ave	289158	11562 357431	23164 533305	55904 670580	142017	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
N-Nitrosodimethylamine	DCB	Qua	423432	16701 710533	28816 1152976	71522 1020584	212159	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Pyridine	DCB	Ave	794755	27577 1240295	65639 1976673	149530 1811625	374604	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Ethyl methacrylate	DCB	Ave	626893	27799 959932	59659 1555123	124158 1410556	312745	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
3-Chloropropionitrile	DCB	Ave	453140	18024 675455	33652 1105388	76071 983880	210933	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Malononitrile	DCB	Ave	857909	28334 1310337	66484 2134060	155901 1838076	390867	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzaldehyde	DCB	Ave	6123 555643	31159 807962	62570 1113893	122662 +++++	298755	0.100 10.0	0.500 15.0	1.00 20.0	2.00 +++++	5.00
Phenol	DCB	Ave	962001	40912 1483091	89598 2377819	190407 2157751	458900	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Aniline	DCB	Ave	1186890	54295 1852000	111747 2982264	229723 2711054	568878	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Bis(2-chloroethyl)ether	DCB	Ave	738530	35302 1122950	69570 1820736	140402 1653462	347012	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Chlorophenol	DCB	Ave	769809	35434 1178499	72394 1939192	145623 1749387	371385	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,3-Dichlorobenzene	DCB	Ave	833741	40215 1256355	79469 2033209	159793 1840193	389651	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzoic acid	NPT	Qua	941901	+++++ 1543106	46025 2567708	132117 2263947	415455	20.0	+++++ 30.0	2.00 40.0	4.00 50.0	10.0
1,4-Dichlorobenzene	DCB	Ave	816468	38155 1250498	84247 1994970	159665 1812536	389514	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 64102

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/07/2012 11:44 Calibration End Date: 11/07/2012 14:51 Calibration ID: 12247

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Benzyl alcohol	DCB	Ave	485275	19926 752132	44492 1218061	89671 1109887	223988	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2-Dichlorobenzene	DCB	Ave	777307	38122 1182427	74698 1921155	152018 1761611	375084	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Methylphenol	DCB	Ave	707992	30361 1067935	63472 1761548	135275 1598670	336260	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
bis (2-chloroisopropyl) ether	DCB	Ave	1057806	51009 1630140	105528 2710885	210217 2394076	506864	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
3 & 4 Methylphenol	DCB	Ave	738384	33473 1134834	65029 1863583	140272 1641179	348410	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
N-Nitrosodi-n-propylamine	DCB	Ave	524618	22365 805470	46353 1305510	101018 1170477	254602	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Acetophenone	DCB	Ave	1013196	48366 1561539	97459 2540663	201660 2303818	496471	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachloroethane	DCB	Ave	329140	17373 505961	31442 812553	63158 737294	159343	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Nitrobenzene	NPT	Ave	818068	34749 1234618	73250 2023003	155054 1835606	380712	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dinitrophenol	ANT	Qua	434552	+++++ 743918	+++++ 1219360	59512 1106604	178806	20.0	+++++ 30.0	+++++ 40.0	4.00 50.0	10.0
Isophorone	NPT	Ave	1423776	57372 2187568	126950 3679329	267180 3291755	683437	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Nitrophenol	NPT	Ave	405972	14494 611408	30847 994494	70506 886070	188786	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,3,5-Trichlorobenzene	NPT	Ave	695736	32662 1035680	71625 1677390	132978 1509857	335399	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dimethylphenol	NPT	Ave	748351	31245 1141006	73913 1847588	142902 1663053	348751	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Bis(2-chloroethoxy)methane	NPT	Ave	884059	40685 1353489	85844 2179326	175010 1980306	428717	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dichlorophenol	NPT	Ave	596606	25326 911378	51449 1510979	110980 1363692	282075	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2,4-Trichlorobenzene	NPT	Ave	688485	33761 1050932	67950 1678302	133494 1543759	330090	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Naphthalene	NPT	Ave	19322 2202898	104432 3380709	207949 5581839	417095 5098943	1053202	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Chloroaniline	NPT	Ave	951670	40420 1448322	85983 2412184	180927 2153710	445160	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachlorobutadiene	NPT	Ave	378760	18988 559120	37357 908100	72425 834160	169782	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Caprolactam	NPT	Qua	203996	5367 347893	15825 479685	38238 409876	100915	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 64102

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/07/2012 11:44 Calibration End Date: 11/07/2012 14:51 Calibration ID: 12247

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
4-Chloro-3-methylphenol	NPT	Ave	636751	26283 979022	57414 1637447	117925 1473568	301893	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Methylnaphthalene	NPT	Ave	12641 1410272	68907 2122405	132969 3531733	269497 3192368	666699	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1-Methylnaphthalene	NPT	Ave	11911 1345567	58790 2079707	127733 3374252	267037 3074953	645006	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2,3,5-Tetrachlorobenzene	ANT	Ave	661897	32952 1019623	66113 1631883	128013 1502806	333308	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachlorocyclopentadiene	ANT	Ave	408777	17829 627279	35037 1059644	75700 976433	193605	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4,6-Trichlorophenol	ANT	Ave	438732	16515 677861	36798 1118437	76952 1013558	207440	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4,6-Dinitro-2-methylphenol	PHN	Qua	278233	+++++ 443519	15094 771658	35487 687768	116255	10.0	+++++ 15.0	1.00 20.0	2.00 25.0	5.00
2,4,5-Trichlorophenol	ANT	Ave	472532	17442 736914	40304 1212108	85752 1072129	217393	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Toluene diamine	NPT	Ave	448465	22739 626231	48429 882419	94573 868625	234302	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,1'-Biphenyl	ANT	Ave	17216 1719982	81962 2640427	166955 4411496	334018 3965786	837098	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Chloronaphthalene	ANT	Ave	12516 1374271	64920 2081186	132416 3457946	267168 3115146	646125	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Nitroaniline	ANT	Ave	429808	16267 666331	32751 1115602	72790 987900	192655	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Dimethyl phthalate	ANT	Ave	1475655	65798 2265250	134112 3825470	274388 3437402	684216	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,6-Dinitrotoluene	ANT	Qua	334247	10212 504465	23611 867959	49544 768083	143744	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2-Dinitrobenzene	ANT	Ave	169862	6207 274957	12508 456583	30109 409392	77035	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Acenaphthylene	ANT	Ave	19842 2313540	102247 3557410	204149 6002224	430961 5445218	1080206	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
3-Nitroaniline	ANT	Ave	394571	12934 615665	28723 1049195	66096 928853	177798	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Acenaphthene	ANT	Ave	11799 1361892	65980 2035418	135288 3408737	267664 3085730	653779	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Nitrophenol	ANT	Ave	226043	7674 349036	17102 593687	37608 539112	102063	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dinitrotoluene	ANT	Qua	444005	13261 689685	30038 1184303	72363 1064143	200956	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Dibenzofuran	ANT	Ave	19920 1991799	92415 3073293	189757 5132615	385979 4675894	948455	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 64102

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/07/2012 11:44 Calibration End Date: 11/07/2012 14:51 Calibration ID: 12247

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
2,3,5,6-Tetrachlorophenol	ANT	Ave	396818	13375 614787	31327 1035587	67024 924029	186352	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Diethyl phthalate	ANT	Ave	1513449	69007 2343096	143148 4041181	281309 3593483	725800	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Chlorophenyl phenyl ether	ANT	Ave	782567	33574 1162318	74611 1987312	150307 1748364	362616	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Nitroaniline	ANT	Qua	389910	11766 601597	29767 1024556	69104 904568	184371	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Fluorene	ANT	Ave	14541 1639050	75260 2470279	157705 4078515	316575 3734212	775737	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
N-Nitrosodiphenylamine	PHN	Ave	1196917	48479 1828202	103574 3139006	229170 2794355	557916	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2-Diphenylhydrazine(as Azobenzene)	PHN	Ave	1667611	70470 2591614	150391 4392481	314576 3920417	791558	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Azobenzene	PHN	Ave	1667682	70470 2591614	149488 4392962	314156 3920417	791545	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Bromophenyl phenyl ether	PHN	Ave	439508	20216 674593	39331 1120053	79534 999726	207879	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachlorobenzene	PHN	Ave	4345 438431	21486 662379	43253 1115873	84396 998152	212637	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Atrazine	PHN	Ave	341754	11621 498220	30861 787545	63939 719727	163869	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Pentachlorophenol	PHN	Qua	598614	15165 955144	41969 1569637	104950 1450927	287148	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
Phenanthrene	PHN	Ave	23225 2260189	110046 3476136	220519 5971362	433106 5330724	1068922	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Anthracene	PHN	Ave	18837 2353100	101682 3680078	217474 6267637	430381 5594055	1112637	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Carbazole	PHN	Ave	2277045	93434 3568538	197951 6046967	408478 5414909	1093203	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Di-n-butyl phthalate	PHN	Ave	2651212	90362 4070394	210054 7068549	458237 6436053	1246760	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Fluoranthene	PHN	Ave	20262 2660336	110763 4122306	235226 7078899	484691 6279316	1244553	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzidine	CRY	Qua	1469820	27899 2388297	76576 4126710	214814 3730708	655520	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Pyrene	CRY	Ave	22058 2816771	115570 4348537	245503 7417941	521365 6663115	1307380	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Butyl benzyl phthalate	CRY	Qua	1133141	32519 1768738	88541 3041849	195105 2723023	540090	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
3,3'-Dimethoxybenzidine	CRY	Qua	579861	6711 973101	20339 1703500	62050 1502602	239684	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 64102

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/07/2012 11:44 Calibration End Date: 11/07/2012 14:51 Calibration ID: 12247

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
3,3'-Dichlorobenzidine	CRY	Qua	969006	27172 1489461	67080 2485326	166325 2222486	446705	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4,4'-Methylene bis(2-chloroaniline)	CRY	Qua	443048	11161 692599	32199 1150023	76535 1060036	209164	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Bis(2-ethylhexyl) phthalate	CRY	Qua	1589061	41362 2497259	115915 4342850	268071 3834094	765063	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[a]anthracene	CRY	Ave	20154 2409756	102866 3764867	212829 6432402	448512 5770519	1166326	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Chrysene	CRY	Ave	21017 2308021	98168 3527188	208048 5976490	417152 5395172	1076954	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Di-n-octyl phthalate	PRY	Qua	2499506	43155 4101786	141890 7366681	381659 6486699	1241516	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[b]fluoranthene	PRY	Ave	14882 2379256	86780 3799785	194423 6761810	410977 5752475	1148363	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[k]fluoranthene	PRY	Ave	16988 2696900	84980 4057783	228277 6927834	461295 6401152	1192893	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[a]pyrene	PRY	Qua	11224 2370709	72665 3697959	170963 6389303	397256 5751071	1095766	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Indeno[1,2,3-cd]pyrene	PRY	Qua	12509 2551684	78803 4034138	201147 6972181	442121 6209963	1254415	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Dibenz(a,h)anthracene	PRY	Qua	10312 2196359	52116 3427896	160063 5905981	374654 5198411	1014317	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[g,h,i]perylene	PRY	Ave	13397 2207668	66135 3417401	171531 5973870	392925 5328943	1056181	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Fluorophenol (Surr)	DCB	Ave	703304	31806 1084134	64360 1776893	133975 1608759	348345	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Phenol-d5 (Surr)	DCB	Ave	897045	38471 1401532	81760 2282025	168861 2055113	446436	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Nitrobenzene-d5 (Surr)	NPT	Ave	6483 788287	35037 1231341	69774 2011974	148067 1807783	385038	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Fluorobiphenyl (Surr)	ANT	Ave	14545 1612497	70370 2490882	156787 4176600	312106 3709926	779335	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4,6-Tribromophenol (Surr)	ANT	Ave	211519	8328 329077	17989 542442	40652 492588	98030	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Terphenyl-d14 (Surr)	CRY	Ave	13394 1624778	67286 2500174	150800 4196729	292869 3740756	766600	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

Curve Type Legend:

Ave = Average ISTD
Qua = Quadratic ISTD

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107002.D		
Lims ID:	std5 tcl	Client ID:	
Inject. Date:	07-Nov-2012 11:44:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	240-0014744-002		
Misc. Info.:	std5 tcl		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	2
Lims Batch ID:	64102	Lims Sample ID:	2
Sublist:	chrom-8270_hp7*sub15		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\8270_hp7.m		
Last Update:	08-Nov-2012 13:38:05	Calib Date:	07-Nov-2012 14:51:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK004		
First Level Reviewer: ulmanm		Date:	07-Nov-2012 12:04:53

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.898	5.898	0.0	96	216888	4.00	
* 2 Naphthalene-d8	136	7.016	7.011	0.005	99	832156	4.00	
* 3 Acenaphthene-d10	164	8.509	8.509	0.0	93	471163	4.00	
* 4 Phenanthrene-d10	188	9.765	9.765	0.0	98	800140	4.00	
* 5 Chrysene-d12	240	12.306	12.301	0.005	93	815929	4.00	
* 6 Perylene-d12	264	14.365	14.360	0.005	92	672229	4.00	
$ 7 2-Fluorophenol	112	4.652	4.652	0.0	88	348345	5.20	
$ 8 Phenol-d5	99	5.540	5.540	0.0	88	446436	5.24	
$ 9 Nitrobenzene-d5	82	6.385	6.385	0.0	87	385038	5.26	
$ 10 2-Fluorobiphenyl (Surr)	172	7.920	7.920	0.0	100	779335	5.10	
$ 11 2,4,6-Tribromophenol	330	9.172	9.172	0.0	86	98030	5.03	
$ 12 Terphenyl-d14	244	11.119	11.119	0.0	99	766600	5.07	
24 1,4-Dioxane	88	2.507	2.502	0.005	91	142017	5.64	M
25 N-Nitrosodimethylamine	74	2.946	2.946	0.0	87	212159	5.08	
26 Pyridine	79	3.010	3.005	0.005	96	374604	5.19	
27 Ethyl methacrylate	69	3.641	3.641	0.0	90	312745	5.22	
28 3-Chloropropionitrile	54	4.005	4.005	0.0	88	210933	5.27	
32 Malononitrile	66	4.342	4.342	0.0	98	390867	5.18	
40 Benzaldehyde	77	5.508	5.508	0.0	96	298755	5.28	
41 Phenol	94	5.551	5.551	0.0	99	458900	5.06	
43 Aniline	93	5.599	5.599	0.0	98	568878	5.01	
44 Bis(2-chloroethyl)ether	93	5.652	5.652	0.0	93	347012	4.95	
46 2-Chlorophenol	128	5.706	5.706	0.0	97	371385	5.07	
47 1,3-Dichlorobenzene	146	5.850	5.850	0.0	96	389651	4.93	
48 1,4-Dichlorobenzene	146	5.914	5.915	-0.001	91	389514	4.96	
49 Benzyl alcohol	108	6.011	6.011	0.0	92	223988	4.96	
50 1,2-Dichlorobenzene	146	6.054	6.054	0.0	95	375084	5.01	
51 2-Methylphenol	108	6.096	6.096	0.0	94	336260	5.08	
52 2,2'-oxybis[1-chloropropane]	45	6.134	6.134	0.0	91	506864	4.93	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
191 3 & 4 Methylphenol	108	6.225	6.230	-0.005	97	348410	5.02	
56 N-Nitrosodi-n-propylamine	70	6.241	6.246	-0.005	88	254602	5.18	
57 Acetophenone	105	6.251	6.251	0.0	92	496471	5.06	
60 Hexachloroethane	117	6.353	6.353	0.0	93	159343	4.99	
61 Nitrobenzene	77	6.401	6.401	0.0	80	380712	5.03	
63 Isophorone	82	6.604	6.605	0.0	98	683437	5.15	
65 2-Nitrophenol	139	6.679	6.679	0.0	93	188786	5.31	
66 1,3,5-Trichlorobenzene	180	6.690	6.690	0.0	93	335399	5.08	
64 2,4-Dimethylphenol	107	6.695	6.695	0.0	92	348751	4.99	
69 Benzoic acid	122	6.738	6.760	-0.022	84	415455	9.81	
68 Bis(2-chloroethoxy)methane	93	6.781	6.781	0.0	99	428717	5.09	
71 2,4-Dichlorophenol	162	6.877	6.877	0.0	96	282075	5.10	
72 1,2,4-Trichlorobenzene	180	6.963	6.958	0.005	89	330090	5.01	
73 Naphthalene	128	7.032	7.032	0.0	95	1053202	5.07	
74 4-Chloroaniline	127	7.064	7.064	0.0	86	445160	5.02	
77 Hexachlorobutadiene	225	7.134	7.129	0.005	92	169782	4.75	
78 1,2,3-Trichlorobenzene	180	7.155	7.150	0.005	88	308962	0	
83 Caprolactam	113	7.343	7.348	-0.005	74	100915	4.78	
84 4-Chloro-3-methylphenol	107	7.455	7.455	0.0	96	301893	5.08	
85 2-Methylnaphthalene	142	7.621	7.621	0.0	89	666699	5.01	
86 1-Methylnaphthalene	142	7.706	7.706	0.0	86	645006	5.10	
87 1,2,3,5-Tetrachlorobenzene	216	7.749	7.749	0.0	91	333308	5.20	
88 Hexachlorocyclopentadiene	237	7.749	7.749	0.0	88	193605	5.07	
90 2,4,6-Trichlorophenol	196	7.851	7.845	0.006	90	207440	5.22	
91 2,4,5-Trichlorophenol	196	7.877	7.877	0.0	95	217393	5.08	
94 2,4-Toluene diamine	121	7.990	7.990	0.0	99	234302	5.53	
96 1,2,3,4 -Tetrachlorobenzene	216	8.006	8.001	0.005	93	308929	0	
95 1,1'-Biphenyl	154	8.011	8.011	0.0	94	837098	5.03	
98 2-Chloronaphthalene	162	8.038	8.038	0.0	96	646125	4.97	
100 2-Nitroaniline	65	8.107	8.107	0.0	82	192655	5.04	
103 Dimethyl phthalate	163	8.252	8.252	0.0	99	684216	4.94	
105 2,6-Dinitrotoluene	165	8.305	8.305	0.0	89	143744	4.74	
106 1,2-Dinitrobenzene	168	8.353	8.354	-0.001	88	77035	5.02	
107 Acenaphthylene	152	8.391	8.391	0.0	91	1080206	5.03	
108 3-Nitroaniline	138	8.450	8.450	0.0	95	177798	5.13	
110 Acenaphthene	153	8.535	8.535	0.0	82	653779	5.06	
109 2,4-Dinitrophenol	184	8.535	8.535	0.0	59	178806	9.51	
111 4-Nitrophenol	109	8.562	8.562	0.0	92	102063	5.12	
112 2,4-Dinitrotoluene	165	8.648	8.648	0.0	88	200956	4.91	
114 Dibenzofuran	168	8.680	8.680	0.0	87	948455	4.94	
115 2,3,5,6-Tetrachlorophenol	232	8.739	8.733	0.006	87	186352	5.28	
119 Diethyl phthalate	149	8.840	8.840	0.0	97	725800	5.02	
121 4-Chlorophenyl phenyl ether	204	8.958	8.958	0.0	91	362616	4.98	
123 4-Nitroaniline	138	8.969	8.969	0.0	87	184371	4.98	
124 Fluorene	166	8.974	8.969	0.005	82	775737	5.04	
126 4,6-Dinitro-2-methylphenol	198	8.990	8.990	0.0	82	116255	4.83	
130 N-Nitrosodiphenylamine	169	9.054	9.049	0.005	0	557916	5.06	
129 1,2-Diphenylhydrazine	77	9.092	9.092	0.0	0	791558	5.08	
131 Azobenzene	77	9.092	9.092	0.0	99	791545	5.08	
137 4-Bromophenyl phenyl ether	248	9.375	9.375	0.0	63	207879	5.09	
139 Hexachlorobenzene	284	9.434	9.434	0.0	86	212637	5.06	
140 Atrazine	200	9.487	9.482	0.005	93	163869	5.46	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.594	9.594	0.0	89	287148	10.4	
146 Phenanthrene	178	9.787	9.787	0.0	97	1068922	4.89	
147 Anthracene	178	9.830	9.830	0.0	97	1112637	5.12	
149 Carbazole	167	9.953	9.953	0.0	82	1093203	5.18	
151 Di-n-butyl phthalate	149	10.215	10.215	0.0	100	1246760	5.26	
157 Fluoranthene	202	10.792	10.792	0.0	98	1244553	5.16	
158 Benzidine	184	10.889	10.894	-0.005	98	655520	5.02	
160 Pyrene	202	11.001	11.001	0.0	96	1307380	5.02	
166 Butyl benzyl phthalate	149	11.595	11.595	0.0	96	540090	5.18	
170 3,3'-Dimethoxybenzidine	244	12.199	12.194	0.005	91	239684	4.78	
173 3,3'-Dichlorobenzidine	252	12.237	12.237	0.0	63	446705	5.04	
172 4,4'-Methylene bis(2-chloroanili	231	12.237	12.237	0.0	65	209164	5.19	
171 Bis(2-ethylhexyl) phthalate	149	12.269	12.263	0.006	96	765063	5.21	
175 Benzo[a]anthracene	228	12.290	12.290	0.0	98	1166326	5.12	
176 Chrysene	228	12.338	12.338	0.0	95	1076954	4.96	
178 Di-n-octyl phthalate	149	13.173	13.167	0.006	99	1241516	5.36	
180 Benzo[b]fluoranthene	252	13.788	13.788	0.0	95	1148363	5.36	
181 Benzo[k]fluoranthene	252	13.825	13.825	0.0	90	1192893	5.12	
182 Benzo[a]pyrene	252	14.280	14.280	0.0	77	1095766	5.08	
186 Indeno[1,2,3-cd]pyrene	276	16.013	16.007	0.006	94	1254415	5.26	
187 Dibenz(a,h)anthracene	278	16.039	16.040	-0.001	71	1014317	5.00	
188 Benzo[g,h,i]perylene	276	16.451	16.446	0.005	90	1056181	5.49	
S 189 Methyl Phenols,Total	100				0		5.08	

QC Flag Legend

Review Flags
M - Manually Integrated

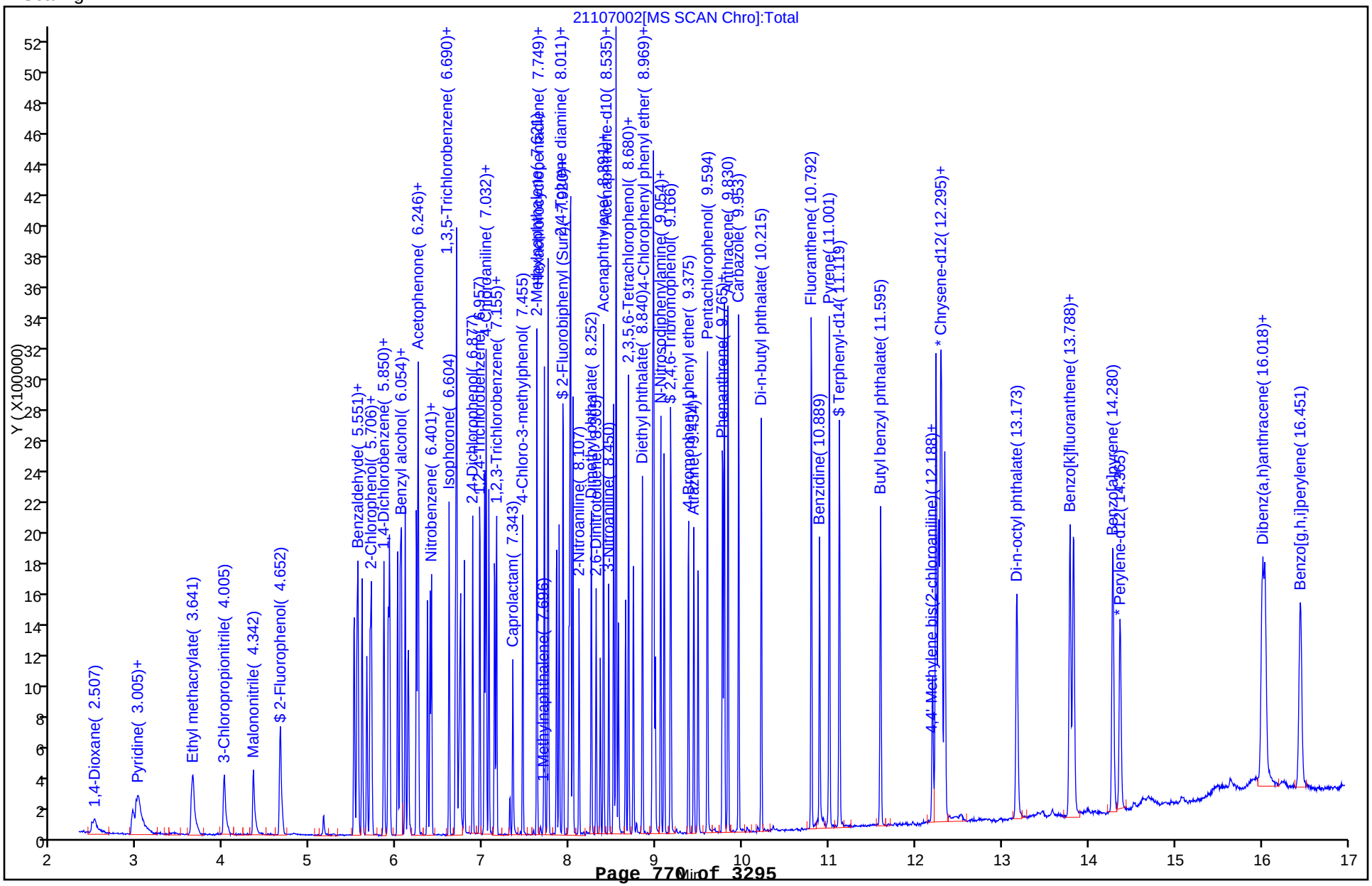
Report Date: 08-Nov-2012 13:38:05 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107002.D

Injection Date:	07-Nov-2012 11:44:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	64102	Lims Sample ID:	2
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

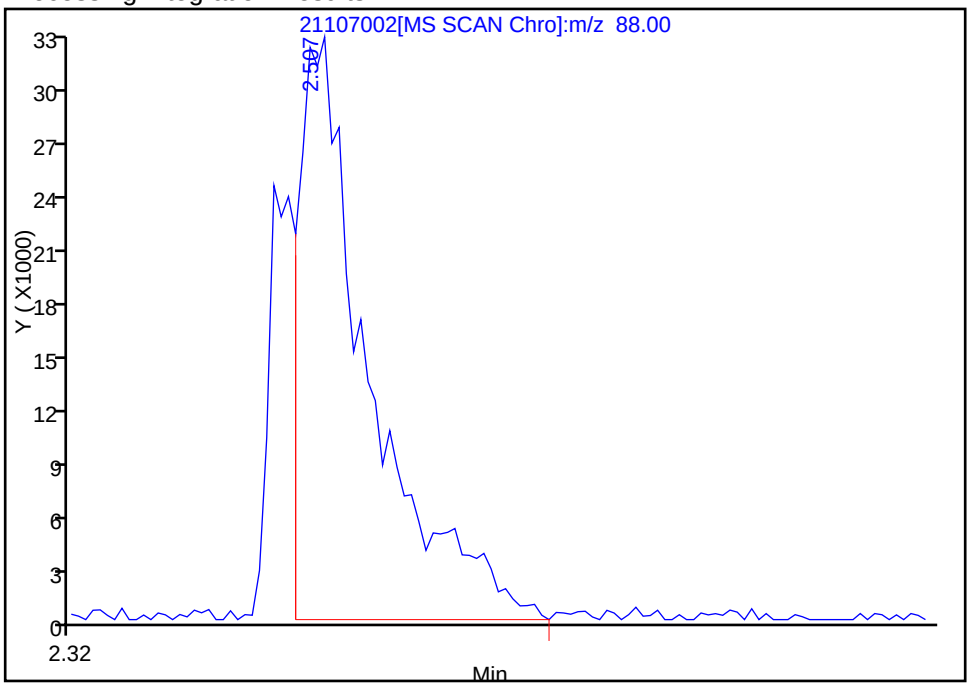
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107002.D		
Injection Date:	07-Nov-2012 11:44:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	64102	Lims Sample ID:	2
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

24 1,4-Dioxane, Signal: 1, m/z: 88.0 Type: quant, RT: 2.50

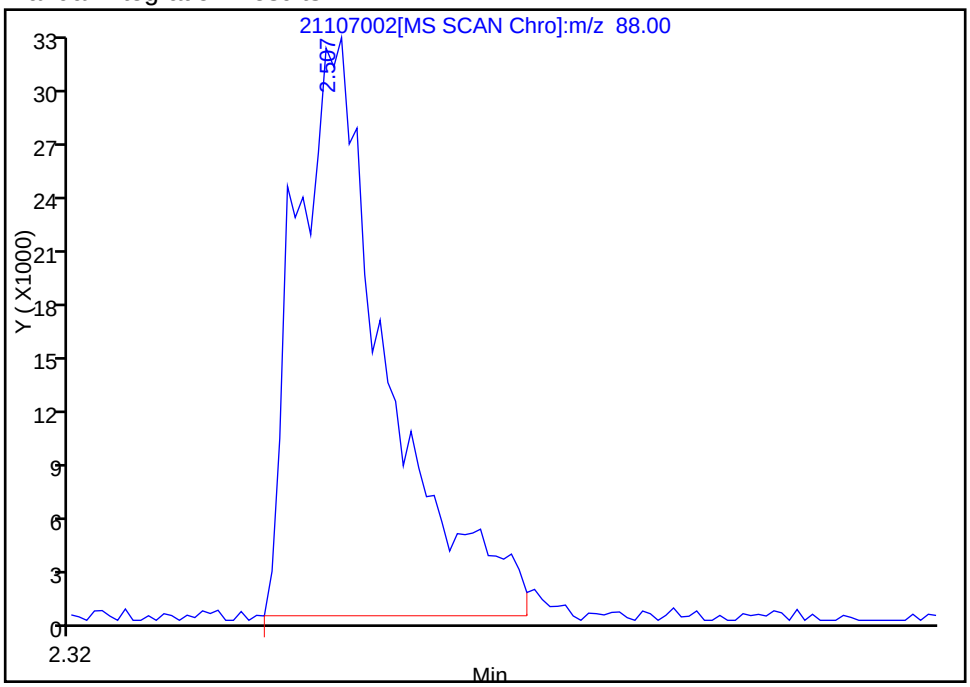
Processing Integration Results

RT: 2.51
Response: 119596
Amount: 5.211492



Manual Integration Results

RT: 2.51
Response: 142017
Amount: 5.642357



Reviewer: gruberj, 07-Nov-2012 14:47:55
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107003.D		
Lims ID:	std4 tcl	Client ID:	
Inject. Date:	07-Nov-2012 12:07:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	240-0014744-003		
Misc. Info.:	std4 tcl		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	3
Lims Batch ID:	64102	Lims Sample ID:	3
Sublist:	chrom-8270_hp7*sub15		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\8270_hp7.m		
Last Update:	08-Nov-2012 13:38:06	Calib Date:	07-Nov-2012 14:51:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK004		
First Level Reviewer: gruberj		Date:	07-Nov-2012 14:47:10

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.898	5.898	0.0	97	222465	4.00	
* 2 Naphthalene-d8	136	7.016	7.011	0.005	99	848347	4.00	
* 3 Acenaphthene-d10	164	8.508	8.509	-0.001	92	480198	4.00	
* 4 Phenanthrene-d10	188	9.765	9.765	0.0	98	804821	4.00	
* 5 Chrysene-d12	240	12.306	12.301	0.005	97	801741	4.00	
* 6 Perylene-d12	264	14.365	14.360	0.005	97	668413	4.00	
$ 7 2-Fluorophenol	112	4.652	4.652	0.0	90	133975	1.95	
$ 8 Phenol-d5	99	5.540	5.540	0.0	94	168861	1.93	
$ 9 Nitrobenzene-d5	82	6.385	6.385	0.0	84	148067	1.99	
$ 10 2-Fluorobiphenyl (Surr)	172	7.920	7.920	0.0	100	312106	2.00	
$ 11 2,4,6-Tribromophenol	330	9.172	9.172	0.0	88	40652	2.05	
$ 12 Terphenyl-d14	244	11.119	11.119	0.0	98	292869	1.97	
24 1,4-Dioxane	88	2.502	2.502	0.0	91	55904	2.17	
25 N-Nitrosodimethylamine	74	2.946	2.946	0.0	83	71522	1.92	
26 Pyridine	79	3.015	3.005	0.010	94	149530	2.02	
27 Ethyl methacrylate	69	3.636	3.641	-0.005	89	124158	2.02	
28 3-Chloropropionitrile	54	4.010	4.005	0.005	88	76071	1.85	
32 Malononitrile	66	4.342	4.342	0.0	97	155901	2.01	
40 Benzaldehyde	77	5.508	5.508	0.0	92	122662	2.11	
41 Phenol	94	5.551	5.551	0.0	98	190407	2.05	
43 Aniline	93	5.599	5.599	0.0	98	229723	1.97	
44 Bis(2-chloroethyl)ether	93	5.652	5.652	0.0	92	140402	1.95	
46 2-Chlorophenol	128	5.706	5.706	0.0	95	145623	1.94	
47 1,3-Dichlorobenzene	146	5.850	5.850	0.0	96	159793	1.97	
48 1,4-Dichlorobenzene	146	5.914	5.915	-0.001	83	159665	1.98	
49 Benzyl alcohol	108	6.011	6.011	0.0	93	89671	1.94	
50 1,2-Dichlorobenzene	146	6.053	6.054	-0.001	94	152018	1.98	
51 2-Methylphenol	108	6.096	6.096	0.0	94	135275	1.99	
52 2,2'-oxybis[1-chloropropane]	45	6.134	6.134	0.0	89	210217	1.99	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
191 3 & 4 Methylphenol	108	6.225	6.230	-0.005	96	140272	1.97	
56 N-Nitrosodi-n-propylamine	70	6.241	6.246	-0.005	87	101018	2.01	
57 Acetophenone	105	6.246	6.251	-0.005	92	201660	2.01	
60 Hexachloroethane	117	6.353	6.353	0.0	93	63158	1.93	
61 Nitrobenzene	77	6.401	6.401	0.0	86	155054	2.01	
63 Isophorone	82	6.604	6.605	0.0	97	267180	1.97	
65 2-Nitrophenol	139	6.679	6.679	0.0	92	70506	1.94	
66 1,3,5-Trichlorobenzene	180	6.690	6.690	0.0	91	132978	1.98	
64 2,4-Dimethylphenol	107	6.695	6.695	0.0	91	142902	2.00	
69 Benzoic acid	122	6.722	6.760	-0.038	82	132117	4.06	
68 Bis(2-chloroethoxy)methane	93	6.781	6.781	0.0	98	175010	2.04	
71 2,4-Dichlorophenol	162	6.877	6.877	0.0	95	110980	1.97	
72 1,2,4-Trichlorobenzene	180	6.957	6.958	-0.001	88	133494	1.99	
73 Naphthalene	128	7.032	7.032	0.0	95	417095	1.97	
74 4-Chloroaniline	127	7.064	7.064	0.0	84	180927	2.00	
77 Hexachlorobutadiene	225	7.128	7.129	-0.001	95	72425	1.99	
78 1,2,3-Trichlorobenzene	180	7.155	7.150	0.005	88	125746	0	
83 Caprolactam	113	7.337	7.348	-0.011	76	38238	2.01	
84 4-Chloro-3-methylphenol	107	7.455	7.455	0.0	92	117925	1.95	
85 2-Methylnaphthalene	142	7.621	7.621	0.0	89	269497	1.99	
86 1-Methylnaphthalene	142	7.706	7.706	0.0	84	267037	2.07	
87 1,2,3,5-Tetrachlorobenzene	216	7.749	7.749	0.0	95	128013	1.96	
88 Hexachlorocyclopentadiene	237	7.749	7.749	0.0	80	75700	1.95	
90 2,4,6-Trichlorophenol	196	7.845	7.845	0.0	90	76952	1.90	
91 2,4,5-Trichlorophenol	196	7.877	7.877	0.0	95	85752	1.97	
94 2,4-Toluene diamine	121	7.990	7.990	0.0	97	94573	2.19	
96 1,2,3,4 -Tetrachlorobenzene	216	8.006	8.001	0.005	83	129065	0	
95 1,1'-Biphenyl	154	8.011	8.011	0.0	88	334018	1.97	
98 2-Chloronaphthalene	162	8.038	8.038	0.0	95	267168	2.01	
100 2-Nitroaniline	65	8.107	8.107	0.0	82	72790	1.87	
103 Dimethyl phthalate	163	8.246	8.252	-0.006	98	274388	1.95	
105 2,6-Dinitrotoluene	165	8.305	8.305	0.0	85	49544	1.87	
106 1,2-Dinitrobenzene	168	8.353	8.354	-0.001	84	30109	1.92	
107 Acenaphthylene	152	8.391	8.391	0.0	92	430961	1.97	
108 3-Nitroaniline	138	8.450	8.450	0.0	93	66096	1.87	
110 Acenaphthene	153	8.535	8.535	0.0	92	267664	2.03	
109 2,4-Dinitrophenol	184	8.535	8.535	0.0	58	59512	4.64	
111 4-Nitrophenol	109	8.562	8.562	0.0	87	37608	1.85	
112 2,4-Dinitrotoluene	165	8.647	8.648	-0.001	92	72363	1.96	
114 Dibenzofuran	168	8.680	8.680	0.0	89	385979	1.97	
115 2,3,5,6-Tetrachlorophenol	232	8.733	8.733	0.0	80	67024	1.86	
119 Diethyl phthalate	149	8.840	8.840	0.0	97	281309	1.91	
121 4-Chlorophenyl phenyl ether	204	8.958	8.958	0.0	90	150307	2.02	
123 4-Nitroaniline	138	8.963	8.969	-0.006	86	69104	2.01	
124 Fluorene	166	8.968	8.969	-0.001	91	316575	2.02	
126 4,6-Dinitro-2-methylphenol	198	8.990	8.990	0.0	79	35487	1.94	
130 N-Nitrosodiphenylamine	169	9.049	9.049	0.0	0	229170	2.06	
129 1,2-Diphenylhydrazine	77	9.091	9.092	-0.001	0	314576	2.01	
131 Azobenzene	77	9.091	9.092	-0.001	98	314156	2.01	
137 4-Bromophenyl phenyl ether	248	9.375	9.375	0.0	60	79534	1.94	
139 Hexachlorobenzene	284	9.434	9.434	0.0	93	84396	2.00	
140 Atrazine	200	9.482	9.482	0.0	86	63939	2.12	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.594	9.594	0.0	90	104950	4.04	
146 Phenanthrene	178	9.787	9.787	0.0	96	433106	1.97	
147 Anthracene	178	9.830	9.830	0.0	97	430381	1.97	
149 Carbazole	167	9.953	9.953	0.0	82	408478	1.92	
151 Di-n-butyl phthalate	149	10.215	10.215	0.0	100	458237	1.92	
157 Fluoranthene	202	10.792	10.792	0.0	98	484691	2.00	
158 Benzidine	184	10.889	10.894	-0.005	98	214814	1.97	
160 Pyrene	202	11.001	11.001	0.0	97	521365	2.04	
166 Butyl benzyl phthalate	149	11.595	11.595	0.0	96	195105	2.01	
170 3,3'-Dimethoxybenzidine	244	12.199	12.194	0.005	88	62050	1.81	
173 3,3'-Dichlorobenzidine	252	12.236	12.237	-0.001	69	166325	2.04	
172 4,4'-Methylene bis(2-chloroanili	231	12.236	12.237	-0.001	70	76535	2.04	
171 Bis(2-ethylhexyl) phthalate	149	12.269	12.263	0.006	96	268071	2.00	
175 Benzo[a]anthracene	228	12.290	12.290	0.0	96	448512	2.00	
176 Chrysene	228	12.338	12.338	0.0	92	417152	1.96	
178 Di-n-octyl phthalate	149	13.172	13.167	0.005	99	381659	1.91	
180 Benzo[b]fluoranthene	252	13.788	13.788	0.0	93	410977	1.93	
181 Benzo[k]fluoranthene	252	13.825	13.825	0.0	97	461295	1.99	
182 Benzo[a]pyrene	252	14.280	14.280	0.0	76	397256	1.95	
186 Indeno[1,2,3-cd]pyrene	276	16.013	16.007	0.006	98	442121	1.94	
187 Dibenz(a,h)anthracene	278	16.039	16.040	-0.001	75	374654	1.97	
188 Benzo[g,h,i]perylene	276	16.446	16.446	0.0	94	392925	2.05	
S 189 Methyl Phenols,Total	100				0		1.99	

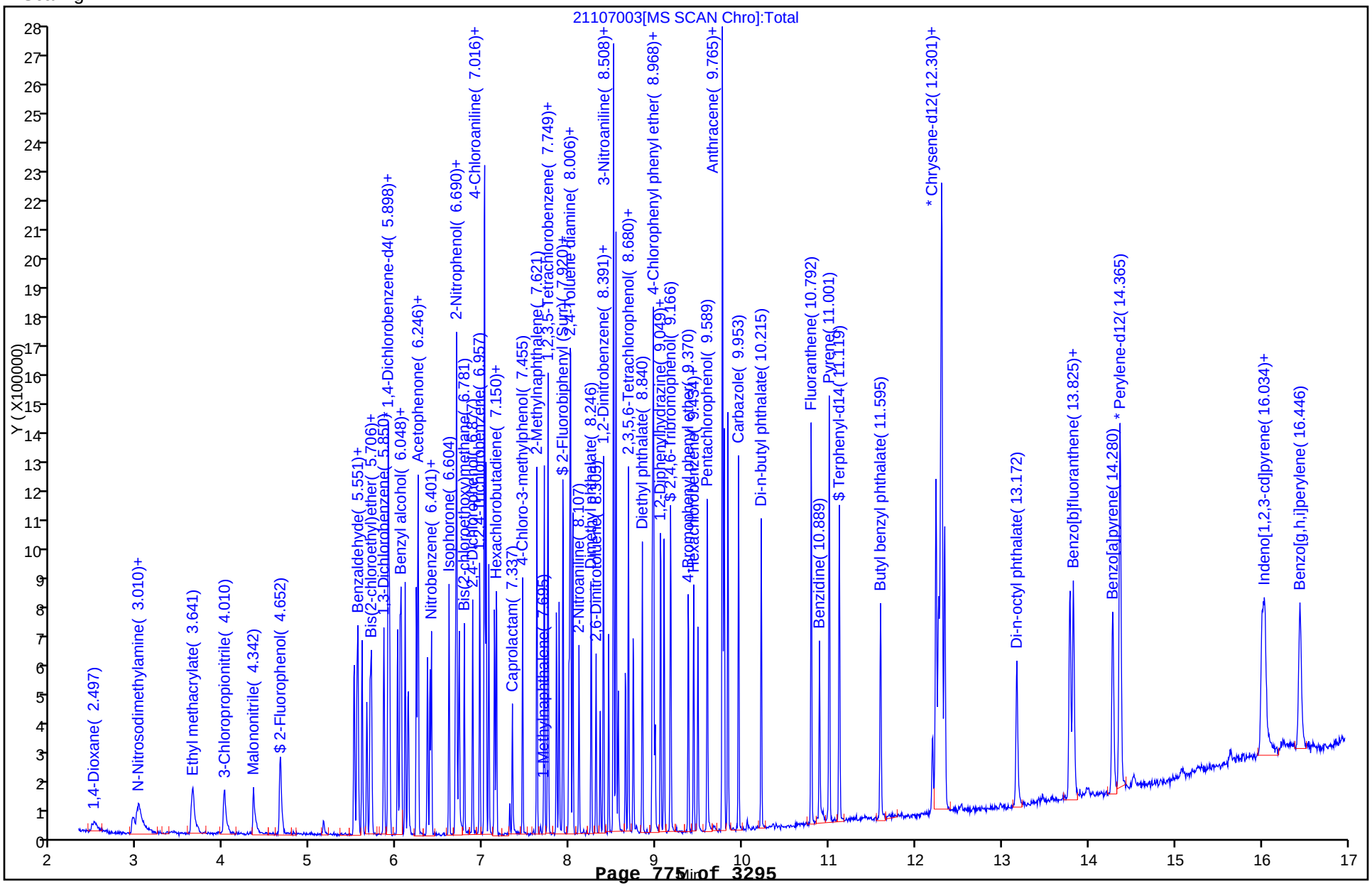
Report Date: 08-Nov-2012 13:38:06 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107003.D

Injection Date:	07-Nov-2012 12:07:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	64102	Lims Sample ID:	3
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107004.D		
Lims ID:	std3 tcl	Client ID:	
Inject. Date:	07-Nov-2012 12:31:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	240-0014744-004		
Misc. Info.:	std3 tcl		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	4
Lims Batch ID:	64102	Lims Sample ID:	4
Sublist:	chrom-8270_hp7*sub15		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\8270_hp7.m		
Last Update:	08-Nov-2012 13:38:07	Calib Date:	07-Nov-2012 14:51:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK004		
First Level Reviewer: gruberj		Date:	07-Nov-2012 14:47:37

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.904	5.898	0.006	94	218870	4.00	
* 2 Naphthalene-d8	136	7.016	7.011	0.005	99	850749	4.00	
* 3 Acenaphthene-d10	164	8.508	8.509	-0.001	91	482907	4.00	
* 4 Phenanthrene-d10	188	9.765	9.765	0.0	98	819100	4.00	
* 5 Chrysene-d12	240	12.301	12.301	0.0	90	803775	4.00	
* 6 Perylene-d12	264	14.365	14.360	0.005	92	656353	4.00	
$ 7 2-Fluorophenol	112	4.657	4.652	0.005	86	64360	0.9513	
$ 8 Phenol-d5	99	5.540	5.540	0.0	94	81760	0.9519	
$ 9 Nitrobenzene-d5	82	6.385	6.385	0.0	87	69774	0.9328	
$ 10 2-Fluorobiphenyl (Surr)	172	7.920	7.920	0.0	99	156787	1.00	
$ 11 2,4,6-Tribromophenol	330	9.172	9.172	0.0	90	17989	0.9005	
$ 12 Terphenyl-d14	244	11.119	11.119	0.0	97	150800	1.01	
24 1,4-Dioxane	88	2.507	2.502	0.005	84	23164	0.9120	M
25 N-Nitrosodimethylamine	74	2.946	2.946	0.0	86	28816	1.00	
26 Pyridine	79	3.015	3.005	0.010	94	65639	0.9018	M
27 Ethyl methacrylate	69	3.636	3.641	-0.005	89	59659	0.9864	
28 3-Chloropropionitrile	54	4.005	4.005	0.0	85	33652	0.8338	
32 Malononitrile	66	4.347	4.342	0.005	96	66484	0.8732	
40 Benzaldehyde	77	5.508	5.508	0.0	92	62570	1.10	
41 Phenol	94	5.551	5.551	0.0	97	89598	0.9783	
43 Aniline	93	5.599	5.599	0.0	95	111747	0.9757	
44 Bis(2-chloroethyl)ether	93	5.652	5.652	0.0	89	69570	0.9835	
46 2-Chlorophenol	128	5.706	5.706	0.0	96	72394	0.9785	
47 1,3-Dichlorobenzene	146	5.850	5.850	0.0	96	79469	1.00	
48 1,4-Dichlorobenzene	146	5.914	5.915	-0.001	89	84247	1.06	
49 Benzyl alcohol	108	6.011	6.011	0.0	89	44492	0.9759	
50 1,2-Dichlorobenzene	146	6.053	6.054	-0.001	93	74698	0.9890	
51 2-Methylphenol	108	6.096	6.096	0.0	95	63472	0.9508	
52 2,2'-oxybis[1-chloropropane]	45	6.128	6.134	-0.006	91	105528	1.02	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
191 3 & 4 Methylphenol	108	6.225	6.230	-0.005	95	65029	0.9292	
56 N-Nitrosodi-n-propylamine	70	6.241	6.246	-0.005	85	46353	0.9352	
57 Acetophenone	105	6.246	6.251	-0.005	89	97459	0.9852	
60 Hexachloroethane	117	6.353	6.353	0.0	89	31442	0.9765	
61 Nitrobenzene	77	6.401	6.401	0.0	86	73250	0.9475	
63 Isophorone	82	6.604	6.605	0.0	97	126950	0.9355	
65 2-Nitrophenol	139	6.679	6.679	0.0	94	30847	0.8480	
66 1,3,5-Trichlorobenzene	180	6.690	6.690	0.0	91	71625	1.06	
64 2,4-Dimethylphenol	107	6.695	6.695	0.0	95	73913	1.03	
69 Benzoic acid	122	6.717	6.760	-0.043	85	46025	2.35	
68 Bis(2-chloroethoxy)methane	93	6.781	6.781	0.0	97	85844	1.00	
71 2,4-Dichlorophenol	162	6.877	6.877	0.0	94	51449	0.9104	
72 1,2,4-Trichlorobenzene	180	6.957	6.958	-0.001	91	67950	1.01	
73 Naphthalene	128	7.032	7.032	0.0	96	207949	0.9782	
74 4-Chloroaniline	127	7.064	7.064	0.0	91	85983	0.9489	
77 Hexachlorobutadiene	225	7.128	7.129	-0.001	89	37357	1.02	
78 1,2,3-Trichlorobenzene	180	7.155	7.150	0.005	83	63252	0	
83 Caprolactam	113	7.337	7.348	-0.011	73	15825	1.09	
84 4-Chloro-3-methylphenol	107	7.455	7.455	0.0	93	57414	0.9458	
85 2-Methylnaphthalene	142	7.621	7.621	0.0	88	132969	0.9779	
86 1-Methylnaphthalene	142	7.706	7.706	0.0	84	127733	0.9872	
87 1,2,3,5-Tetrachlorobenzene	216	7.749	7.749	0.0	96	66113	1.01	
88 Hexachlorocyclopentadiene	237	7.749	7.749	0.0	76	35037	0.8953	
90 2,4,6-Trichlorophenol	196	7.845	7.845	0.0	92	36798	0.9040	
91 2,4,5-Trichlorophenol	196	7.877	7.877	0.0	92	40304	0.9192	
94 2,4-Toluene diamine	121	7.990	7.990	0.0	96	48429	1.12	
96 1,2,3,4 -Tetrachlorobenzene	216	8.000	8.001	-0.001	96	63917	0	
95 1,1'-Biphenyl	154	8.011	8.011	0.0	92	166955	0.9789	
98 2-Chloronaphthalene	162	8.038	8.038	0.0	95	132416	0.99	
100 2-Nitroaniline	65	8.107	8.107	0.0	76	32751	0.8367	
103 Dimethyl phthalate	163	8.246	8.252	-0.006	97	134112	0.9456	
105 2,6-Dinitrotoluene	165	8.305	8.305	0.0	89	23611	1.10	
106 1,2-Dinitrobenzene	168	8.353	8.354	-0.001	84	12508	0.7949	
107 Acenaphthylene	152	8.391	8.391	0.0	94	204149	0.9268	
108 3-Nitroaniline	138	8.450	8.450	0.0	91	28723	0.8090	
110 Acenaphthene	153	8.535	8.535	0.0	85	135288	1.02	
109 2,4-Dinitrophenol	184		8.535					9
111 4-Nitrophenol	109	8.562	8.562	0.0	85	17102	0.8364	
112 2,4-Dinitrotoluene	165	8.647	8.648	-0.001	83	30038	1.01	
114 Dibenzofuran	168	8.680	8.680	0.0	87	189757	0.9652	
115 2,3,5,6-Tetrachlorophenol	232	8.738	8.733	0.005	90	31327	0.8667	
119 Diethyl phthalate	149	8.840	8.840	0.0	97	143148	0.9655	
121 4-Chlorophenyl phenyl ether	204	8.958	8.958	0.0	91	74611	1.00	
123 4-Nitroaniline	138	8.963	8.969	-0.006	82	29767	1.02	
124 Fluorene	166	8.968	8.969	-0.001	83	157705	1.00	
126 4,6-Dinitro-2-methylphenol	198	8.990	8.990	0.0	77	15094	1.20	
130 N-Nitrosodiphenylamine	169	9.054	9.049	0.005	0	103574	0.9169	
129 1,2-Diphenylhydrazine	77	9.091	9.092	-0.001	0	150391	0.9434	
131 Azobenzene	77	9.091	9.092	-0.001	98	149488	0.9378	
137 4-Bromophenyl phenyl ether	248	9.375	9.375	0.0	64	39331	0.9414	
139 Hexachlorobenzene	284	9.434	9.434	0.0	88	43253	1.01	
140 Atrazine	200	9.482	9.482	0.0	86	30861	1.00	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.594	9.594	0.0	85	41969	1.82	
146 Phenanthrene	178	9.787	9.787	0.0	92	220519	0.9854	
147 Anthracene	178	9.830	9.830	0.0	96	217474	0.9782	
149 Carbazole	167	9.953	9.953	0.0	81	197951	0.9165	
151 Di-n-butyl phthalate	149	10.215	10.215	0.0	100	210054	0.8660	
157 Fluoranthene	202	10.792	10.792	0.0	97	235226	0.9518	
158 Benzidine	184	10.889	10.894	-0.005	85	76576	0.9624	
160 Pyrene	202	11.001	11.001	0.0	97	245503	0.9572	
166 Butyl benzyl phthalate	149	11.595	11.595	0.0	94	88541	0.9803	
170 3,3'-Dimethoxybenzidine	244	12.194	12.194	0.0	82	20339	1.08	
173 3,3'-Dichlorobenzidine	252	12.236	12.237	-0.001	66	67080	0.9393	
172 4,4'-Methylene bis(2-chloroanili	231	12.236	12.237	-0.001	71	32199	0.9294	
171 Bis(2-ethylhexyl) phthalate	149	12.269	12.263	0.006	95	115915	0.9752	
175 Benzo[a]anthracene	228	12.290	12.290	0.0	93	212829	0.9488	
176 Chrysene	228	12.338	12.338	0.0	88	208048	0.9732	
178 Di-n-octyl phthalate	149	13.172	13.167	0.005	97	141890	0.9318	
180 Benzo[b]fluoranthene	252	13.782	13.788	-0.006	92	194423	0.9286	
181 Benzo[k]fluoranthene	252	13.825	13.825	0.0	96	228277	1.00	
182 Benzo[a]pyrene	252	14.280	14.280	0.0	77	170963	0.9194	
186 Indeno[1,2,3-cd]pyrene	276	16.007	16.007	0.0	97	201147	0.9427	
187 Dibenz(a,h)anthracene	278	16.039	16.040	-0.001	65	160063	0.9548	
188 Benzo[g,h,i]perylene	276	16.446	16.446	0.0	90	171531	0.9128	
S 189 Methyl Phenols,Total	100				0		0.9508	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

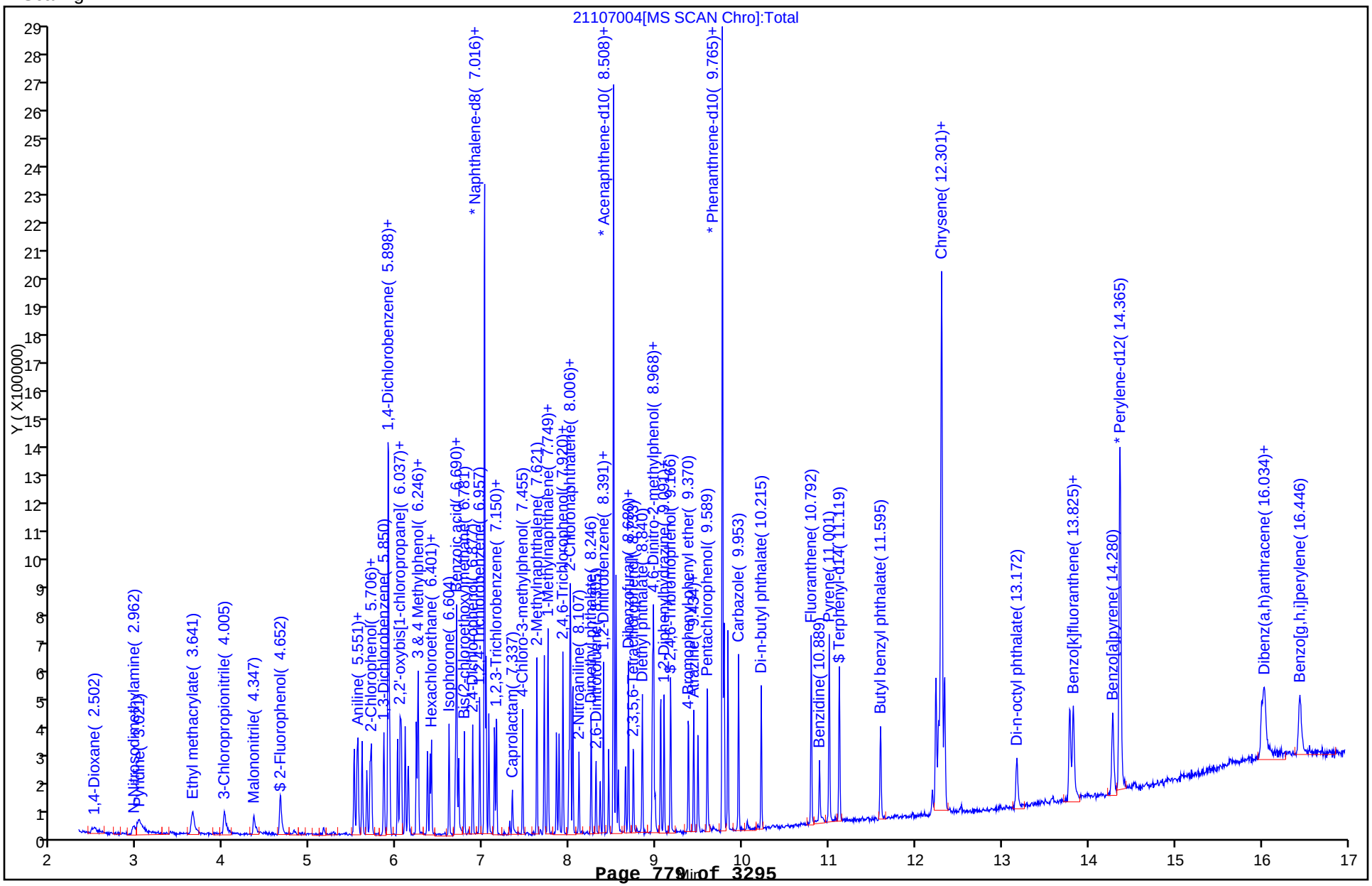
Report Date: 08-Nov-2012 13:38:08 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107004.D

Injection Date:	07-Nov-2012 12:31:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	64102	Lims Sample ID:	4
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

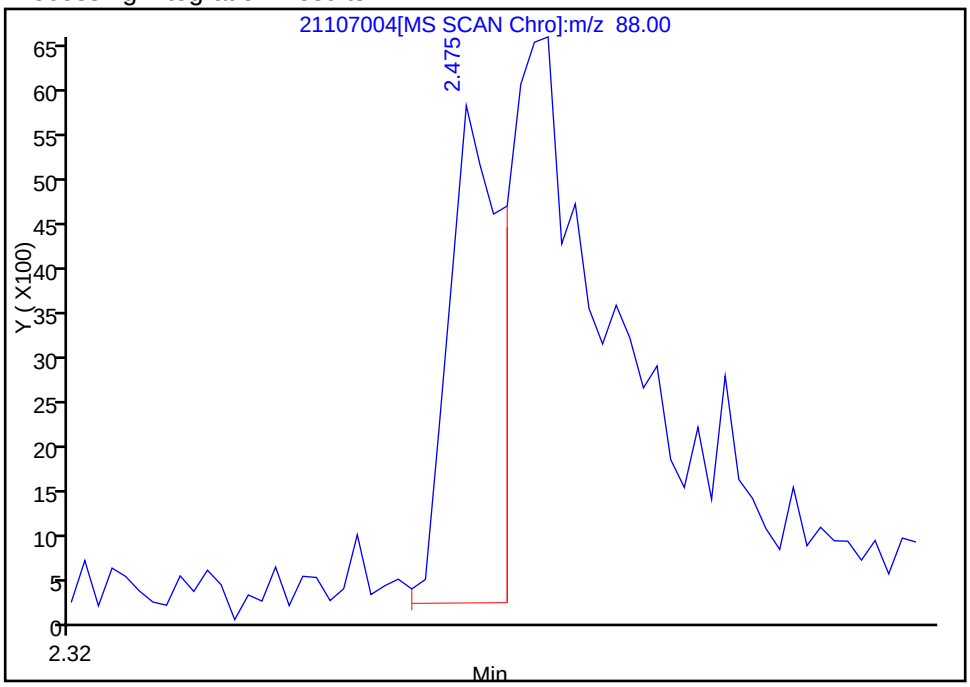
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107004.D		
Injection Date:	07-Nov-2012 12:31:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	64102	Lims Sample ID:	4
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

24 1,4-Dioxane, Signal: 1, m/z: 88.0 Type: quant, RT: 2.50

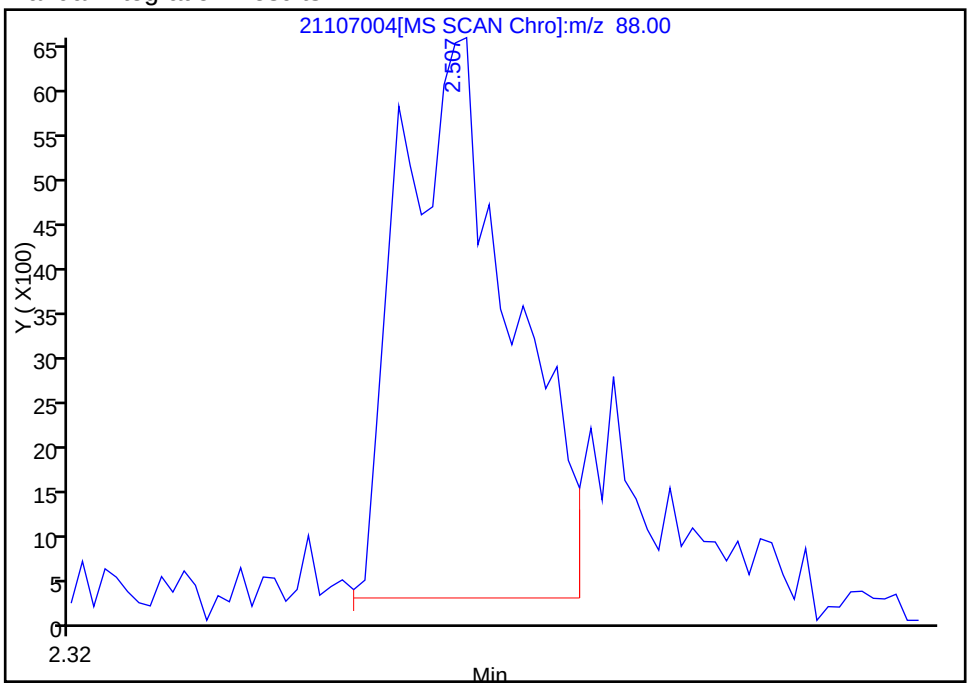
Processing Integration Results

RT: 2.48
Response: 8236
Amount: 0.391712



Manual Integration Results

RT: 2.51
Response: 23164
Amount: 0.911975



Reviewer: gruberj, 07-Nov-2012 14:47:37
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

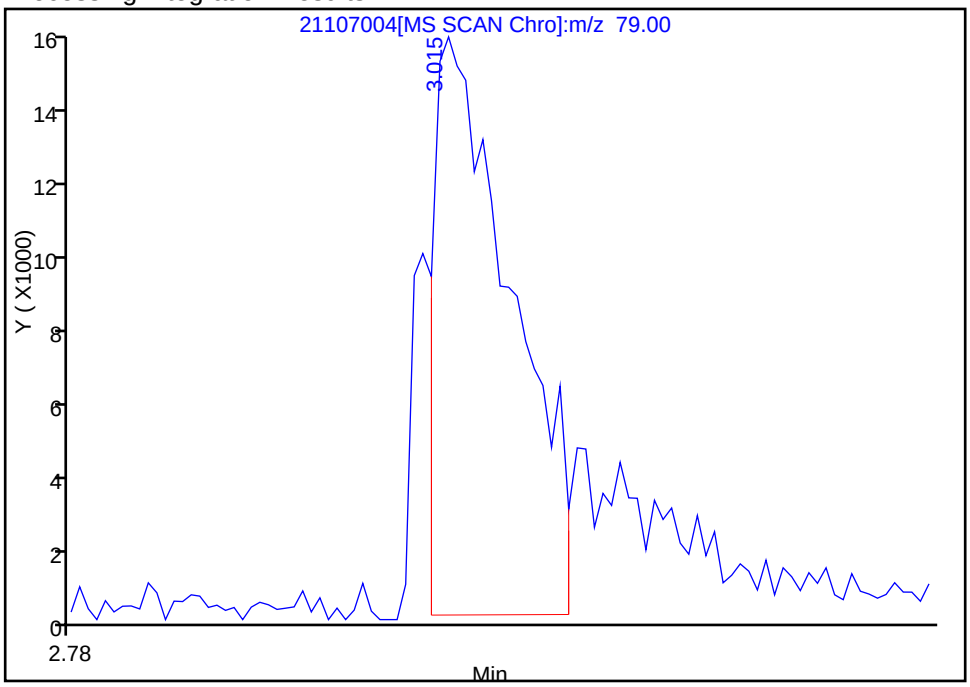
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107004.D		
Injection Date:	07-Nov-2012 12:31:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	64102	Lims Sample ID:	4
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

26 Pyridine, Signal: 1, m/z: 79.0 Type: quant, RT: 3.00

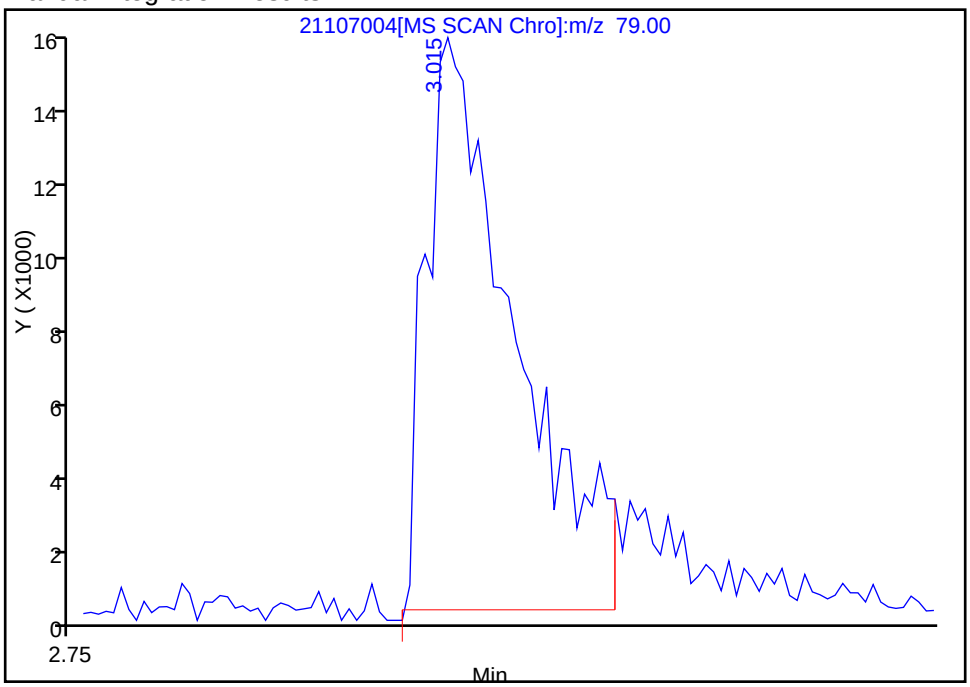
Processing Integration Results

RT: 3.02
Response: 52039
Amount: 0.942352



Manual Integration Results

RT: 3.02
Response: 65639
Amount: 0.901781



Reviewer: gruberj, 07-Nov-2012 14:49:02
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107005.D		
Lims ID:	std2 tcl	Client ID:	
Inject. Date:	07-Nov-2012 12:54:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	240-0014744-005		
Misc. Info.:	std2 tcl		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	5
Lims Batch ID:	64102	Lims Sample ID:	5
Sublist:	chrom-8270_hp7*sub15		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\8270_hp7.m		
Last Update:	08-Nov-2012 13:38:09	Calib Date:	07-Nov-2012 14:51:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK004		
First Level Reviewer: gruberj		Date:	07-Nov-2012 14:50:38

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.898	5.898	0.0	96	217253	4.00	
* 2 Naphthalene-d8	136	7.016	7.011	0.005	99	836850	4.00	
* 3 Acenaphthene-d10	164	8.508	8.509	-0.001	89	468517	4.00	
* 4 Phenanthrene-d10	188	9.765	9.765	0.0	98	793496	4.00	
* 5 Chrysene-d12	240	12.301	12.301	0.0	98	784074	4.00	
* 6 Perylene-d12	264	14.365	14.360	0.005	96	621997	4.00	
$ 7 2-Fluorophenol	112	4.652	4.652	0.0	78	31806	0.4736	
$ 8 Phenol-d5	99	5.540	5.540	0.0	81	38471	0.4512	
$ 9 Nitrobenzene-d5	82	6.385	6.385	0.0	84	35037	0.4762	
$ 10 2-Fluorobiphenyl (Surr)	172	7.920	7.920	0.0	99	70370	0.4630	
$ 11 2,4,6-Tribromophenol	330	9.172	9.172	0.0	76	8328	0.4297	
$ 12 Terphenyl-d14	244	11.119	11.119	0.0	95	67286	0.4634	
24 1,4-Dioxane	88	2.513	2.502	0.011	86	11562	0.4586	M
25 N-Nitrosodimethylamine	74	2.967	2.946	0.021	0	16701	0.7389	M
26 Pyridine	79	3.026	3.005	0.021	77	27577	0.3817	M
27 Ethyl methacrylate	69	3.625	3.641	-0.016	82	27799	0.4631	M
28 3-Chloropropionitrile	54	4.005	4.005	0.0	72	18024	0.4499	
32 Malononitrile	66	4.342	4.342	0.0	85	28334	0.3749	M
40 Benzaldehyde	77	5.503	5.508	-0.005	89	31159	0.5501	
41 Phenol	94	5.551	5.551	0.0	95	40912	0.4500	
43 Aniline	93	5.599	5.599	0.0	97	54295	0.4776	
44 Bis(2-chloroethyl)ether	93	5.652	5.652	0.0	89	35302	0.5028	
46 2-Chlorophenol	128	5.706	5.706	0.0	94	35434	0.4825	
47 1,3-Dichlorobenzene	146	5.850	5.850	0.0	94	40215	0.5080	
48 1,4-Dichlorobenzene	146	5.914	5.915	-0.001	68	38155	0.4852	
49 Benzyl alcohol	108	6.011	6.011	0.0	91	19926	0.4403	
50 1,2-Dichlorobenzene	146	6.053	6.054	-0.001	94	38122	0.5085	
51 2-Methylphenol	108	6.096	6.096	0.0	90	30361	0.4582	
52 2,2'-oxybis[1-chloropropane]	45	6.128	6.134	-0.006	91	51009	0.4950	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
191 3 & 4 Methylphenol	108	6.225	6.230	-0.005	96	33473	0.4819	
56 N-Nitrosodi-n-propylamine	70	6.241	6.246	-0.005	87	22365	0.4546	
57 Acetophenone	105	6.246	6.251	-0.005	91	48366	0.4926	
60 Hexachloroethane	117	6.353	6.353	0.0	83	17373	0.5436	
61 Nitrobenzene	77	6.401	6.401	0.0	87	34749	0.4569	
63 Isophorone	82	6.604	6.605	0.0	93	57372	0.4298	
65 2-Nitrophenol	139	6.679	6.679	0.0	90	14494	0.4051	
66 1,3,5-Trichlorobenzene	180	6.690	6.690	0.0	94	32662	0.4922	
64 2,4-Dimethylphenol	107	6.690	6.695	-0.005	92	31245	0.4442	
69 Benzoic acid	122		6.760					
68 Bis(2-chloroethoxy)methane	93	6.781	6.781	0.0	93	40685	0.4799	
71 2,4-Dichlorophenol	162	6.877	6.877	0.0	90	25326	0.4556	
72 1,2,4-Trichlorobenzene	180	6.957	6.958	-0.001	88	33761	0.5092	
73 Naphthalene	128	7.032	7.032	0.0	90	104432	0.4994	
74 4-Chloroaniline	127	7.064	7.064	0.0	85	40420	0.4535	
77 Hexachlorobutadiene	225	7.129	7.129	0.0	88	18988	0.5288	
78 1,2,3-Trichlorobenzene	180	7.155	7.150	0.005	83	32041	0	
83 Caprolactam	113	7.337	7.348	-0.011	69	5367	0.6707	
84 4-Chloro-3-methylphenol	107	7.455	7.455	0.0	93	26283	0.4402	
85 2-Methylnaphthalene	142	7.621	7.621	0.0	91	68907	0.5152	
86 1-Methylnaphthalene	142	7.706	7.706	0.0	84	58790	0.4619	
87 1,2,3,5-Tetrachlorobenzene	216	7.749	7.749	0.0	94	32952	0.5175	
88 Hexachlorocyclopentadiene	237	7.749	7.749	0.0	77	17829	0.4696	
90 2,4,6-Trichlorophenol	196	7.845	7.845	0.0	85	16515	0.4182	
91 2,4,5-Trichlorophenol	196	7.877	7.877	0.0	85	17442	0.4100	
94 2,4-Toluene diamine	121	7.990	7.990	0.0	91	22739	0.5338	
96 1,2,3,4 -Tetrachlorobenzene	216	8.000	8.001	-0.001	93	29879	0	
95 1,1'-Biphenyl	154	8.011	8.011	0.0	92	81962	0.4953	
98 2-Chloronaphthalene	162	8.032	8.038	-0.006	88	64920	0.5018	
100 2-Nitroaniline	65	8.107	8.107	0.0	73	16267	0.4283	
103 Dimethyl phthalate	163	8.246	8.252	-0.006	99	65798	0.4782	
105 2,6-Dinitrotoluene	165	8.305	8.305	0.0	83	10212	0.7138	
106 1,2-Dinitrobenzene	168	8.353	8.354	-0.001	83	6207	0.4066	
107 Acenaphthylene	152	8.391	8.391	0.0	92	102247	0.4784	
108 3-Nitroaniline	138	8.450	8.450	0.0	86	12934	0.3755	
110 Acenaphthene	153	8.535	8.535	0.0	90	65980	0.5134	
109 2,4-Dinitrophenol	184		8.535					9
111 4-Nitrophenol	109	8.562	8.562	0.0	83	7674	0.3868	
112 2,4-Dinitrotoluene	165	8.642	8.648	-0.006	79	13261	0.6485	
114 Dibenzofuran	168	8.680	8.680	0.0	88	92415	0.4845	
115 2,3,5,6-Tetrachlorophenol	232	8.738	8.733	0.005	82	13375	0.3814	
119 Diethyl phthalate	149	8.840	8.840	0.0	94	69007	0.4797	
121 4-Chlorophenyl phenyl ether	204	8.958	8.958	0.0	88	33574	0.4633	
123 4-Nitroaniline	138	8.963	8.969	-0.006	76	11766	0.5828	
124 Fluorene	166	8.968	8.969	-0.001	94	75260	0.4913	
126 4,6-Dinitro-2-methylphenol	198		8.990					9
130 N-Nitrosodiphenylamine	169	9.049	9.049	0.0	0	48479	0.4430	
129 1,2-Diphenylhydrazine	77	9.091	9.092	-0.001	0	70470	0.4563	
131 Azobenzene	77	9.091	9.092	-0.001	98	70470	0.4563	
137 4-Bromophenyl phenyl ether	248	9.375	9.375	0.0	60	20216	0.4995	
139 Hexachlorobenzene	284	9.434	9.434	0.0	82	21486	0.5155	
140 Atrazine	200	9.482	9.482	0.0	79	11621	0.3902	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.594	9.594	0.0	73	15165	0.9147	
146 Phenanthrene	178	9.787	9.787	0.0	85	110046	0.5076	
147 Anthracene	178	9.830	9.830	0.0	85	101682	0.4721	
149 Carbazole	167	9.953	9.953	0.0	80	93434	0.4466	
151 Di-n-butyl phthalate	149	10.215	10.215	0.0	100	90362	0.3845	
157 Fluoranthene	202	10.792	10.792	0.0	96	110763	0.4627	
158 Benzidine	184	10.889	10.894	-0.005	91	27899	0.6102	
160 Pyrene	202	11.001	11.001	0.0	97	115570	0.4619	
166 Butyl benzyl phthalate	149	11.595	11.595	0.0	92	32519	0.4466	
170 3,3'-Dimethoxybenzidine	244	12.194	12.194	0.0	54	6711	0.8408	
173 3,3'-Dichlorobenzidine	252	12.236	12.237	-0.001	67	27172	0.5060	
172 4,4'-Methylene bis(2-chloroanili	231	12.236	12.237	-0.001	60	11161	0.4106	
171 Bis(2-ethylhexyl) phthalate	149	12.269	12.263	0.006	92	41362	0.4789	
175 Benzo[a]anthracene	228	12.290	12.290	0.0	88	102866	0.4701	
176 Chrysene	228	12.338	12.338	0.0	93	98168	0.4707	
178 Di-n-octyl phthalate	149	13.173	13.167	0.005	93	43155	0.5224	
180 Benzo[b]fluoranthene	252	13.782	13.788	-0.006	90	86780	0.4374	
181 Benzo[k]fluoranthene	252	13.825	13.825	0.0	83	84980	0.3941	
182 Benzo[a]pyrene	252	14.280	14.280	0.0	72	72665	0.4751	
186 Indeno[1,2,3-cd]pyrene	276	16.007	16.007	0.0	87	78803	0.4378	
187 Dibenz(a,h)anthracene	278	16.039	16.040	-0.001	71	52116	0.4390	
188 Benzo[g,h,i]perylene	276	16.446	16.446	0.0	90	66135	0.3714	
S 189 Methyl Phenols,Total	100				0		0.4582	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

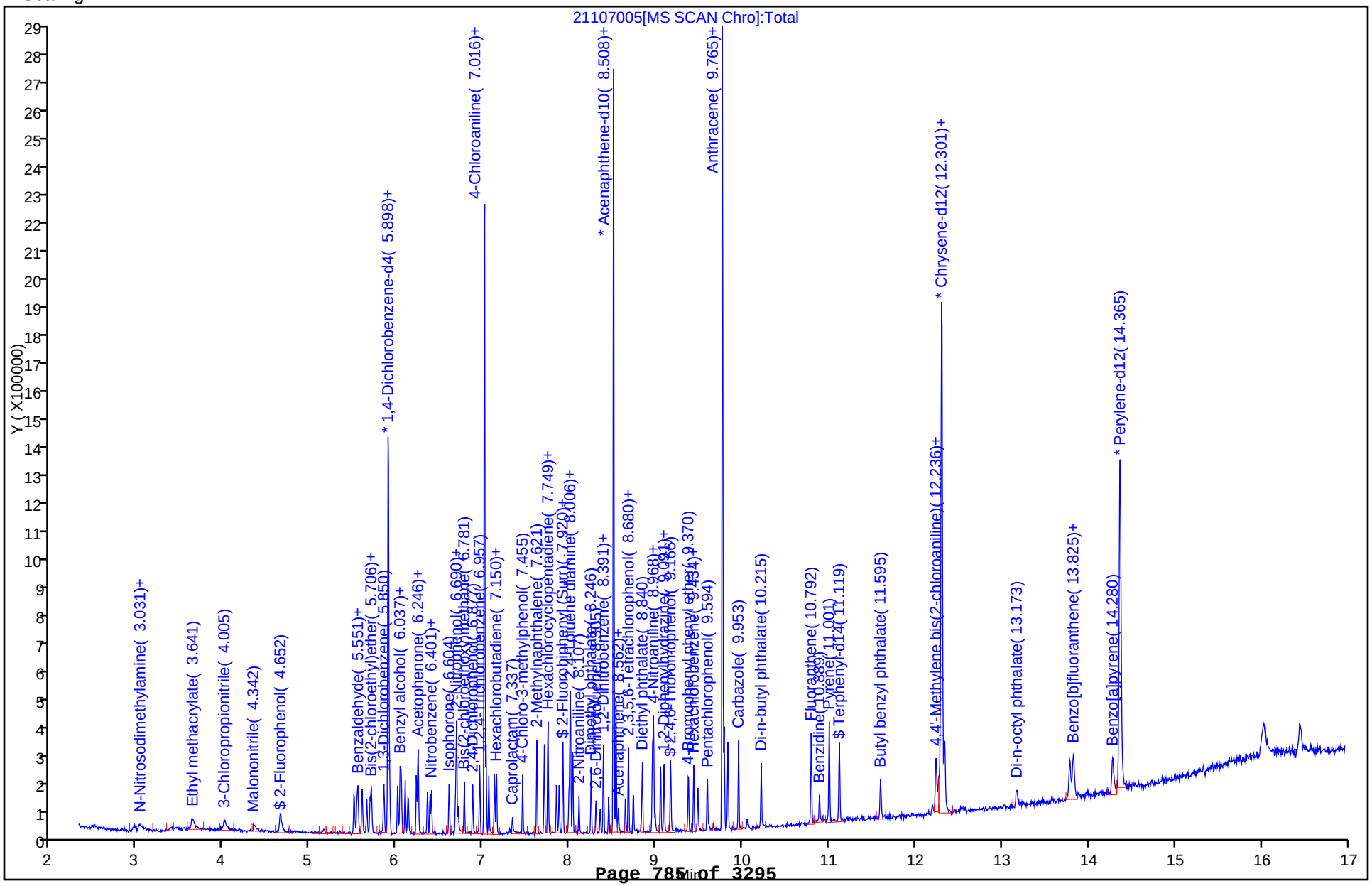
Report Date: 08-Nov-2012 13:38:09 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107005.D

Injection Date:	07-Nov-2012 12:54:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	64102	Lims Sample ID:	5
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

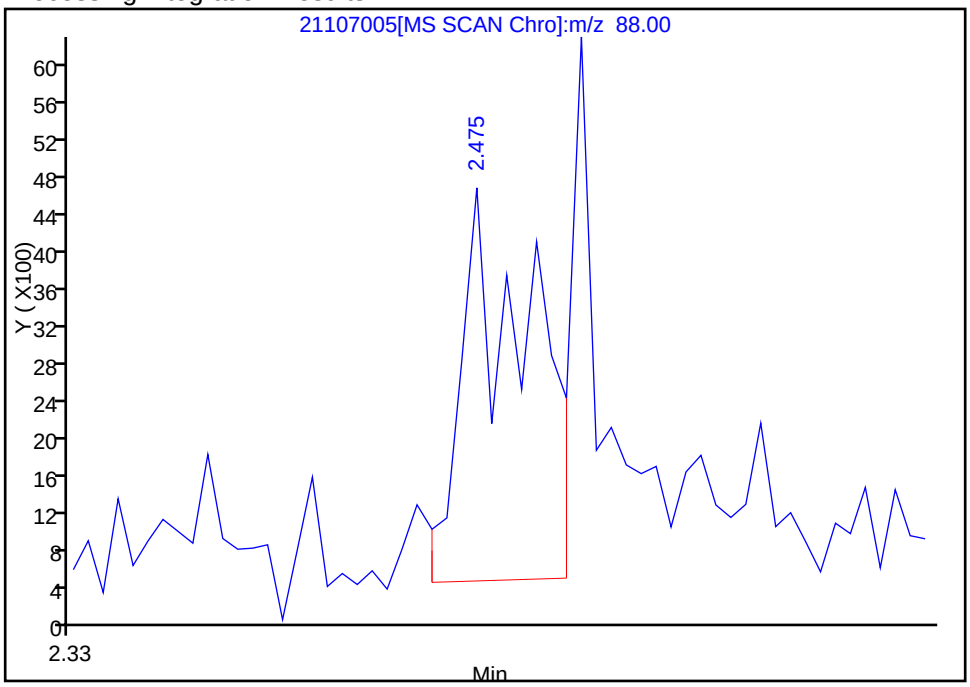
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107005.D		
Injection Date:	07-Nov-2012 12:54:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	64102	Lims Sample ID:	5
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

24 1,4-Dioxane, Signal: 1, m/z: 88.0 Type: quant, RT: 2.50

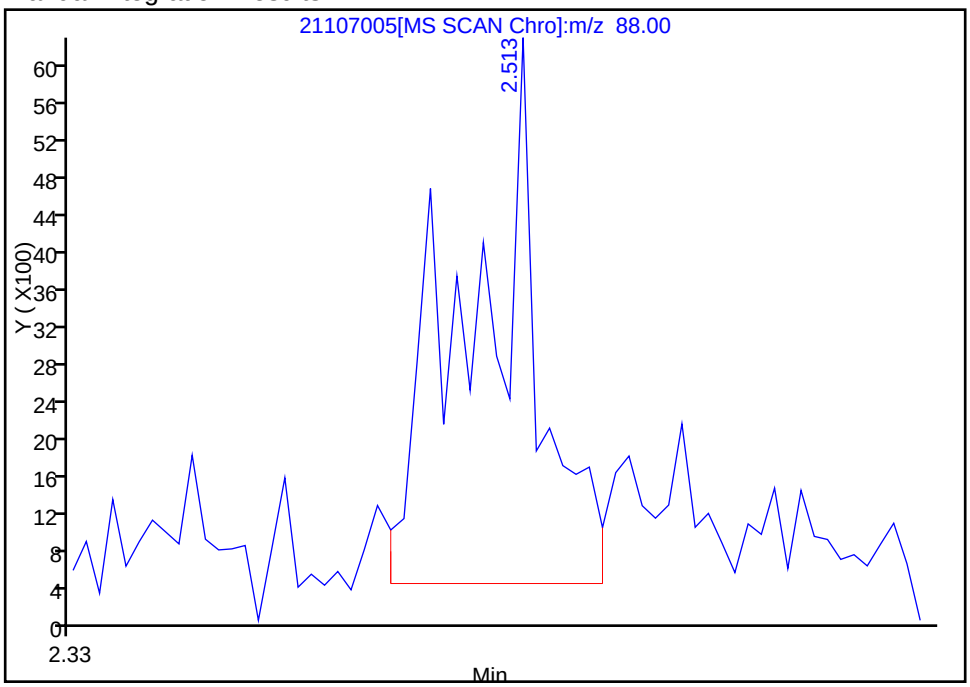
Processing Integration Results

RT: 2.48
Response: 7259
Amount: 0.307210



Manual Integration Results

RT: 2.51
Response: 11562
Amount: 0.458588



Reviewer: gruberj, 07-Nov-2012 14:50:38
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

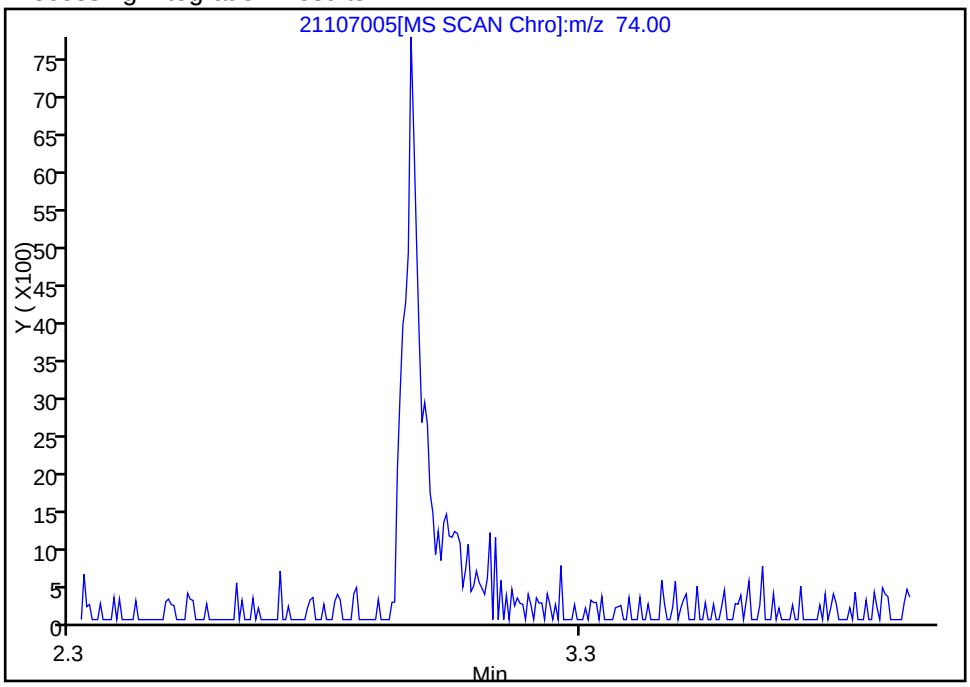
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107005.D		
Injection Date:	07-Nov-2012 12:54:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	64102	Lims Sample ID:	5
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

25 N-Nitrosodimethylamine, Signal: 1, m/z: 74.0 Type: quant, RT: 2.95

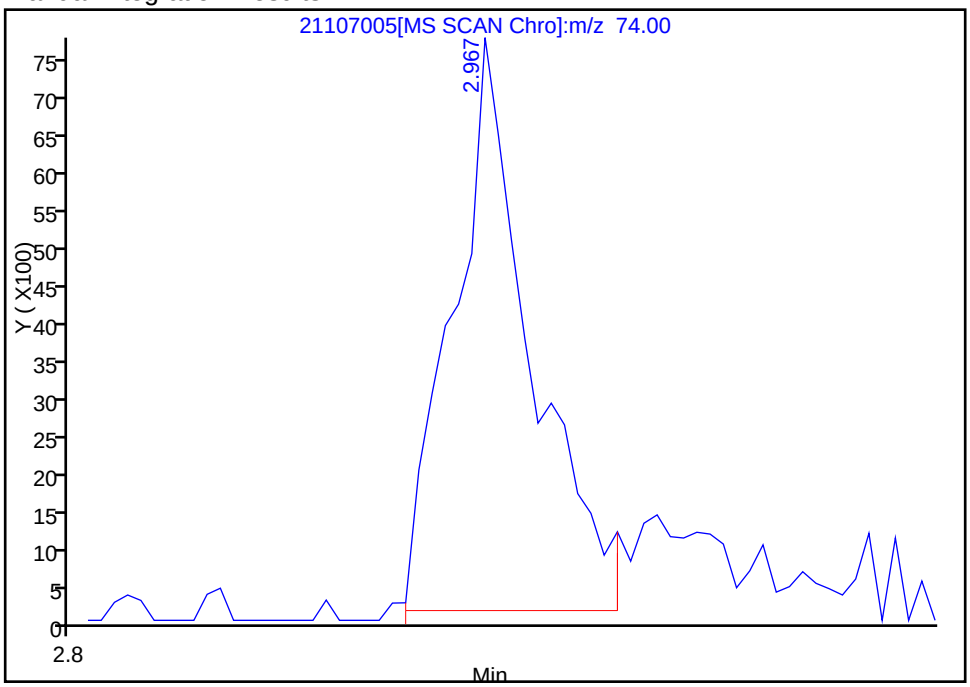
Not Detected
Expected RT: 2.95

Processing Integration Results



Manual Integration Results

RT: 2.97
Response: 16701
Amount: 0.738850



Reviewer: gruberj, 07-Nov-2012 14:50:38
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

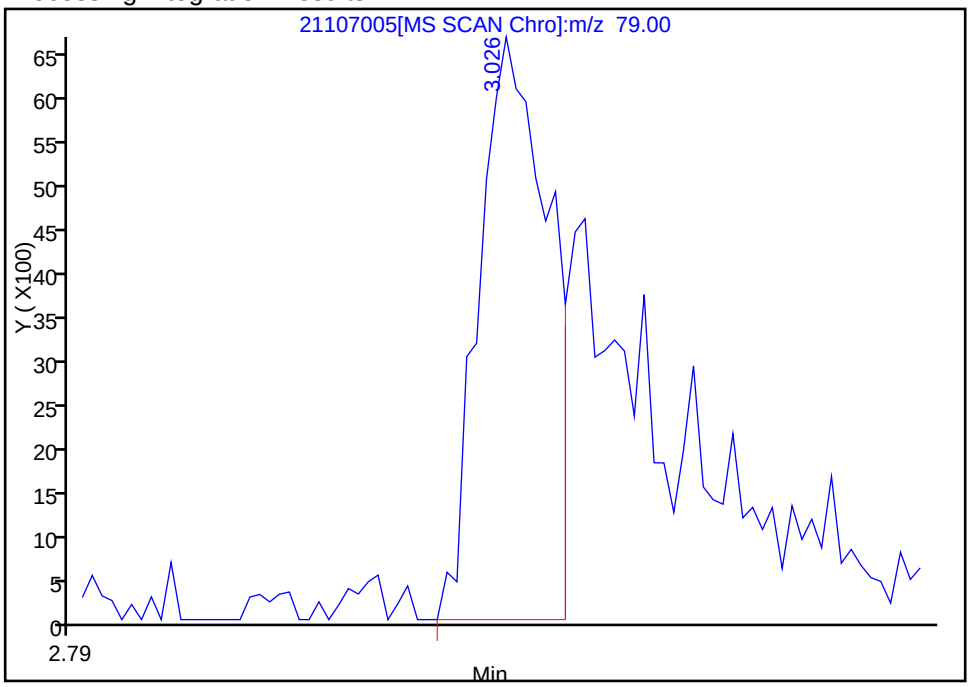
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107005.D		
Injection Date:	07-Nov-2012 12:54:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	64102	Lims Sample ID:	5
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

26 Pyridine, Signal: 1, m/z: 79.0 Type: quant, RT: 3.00

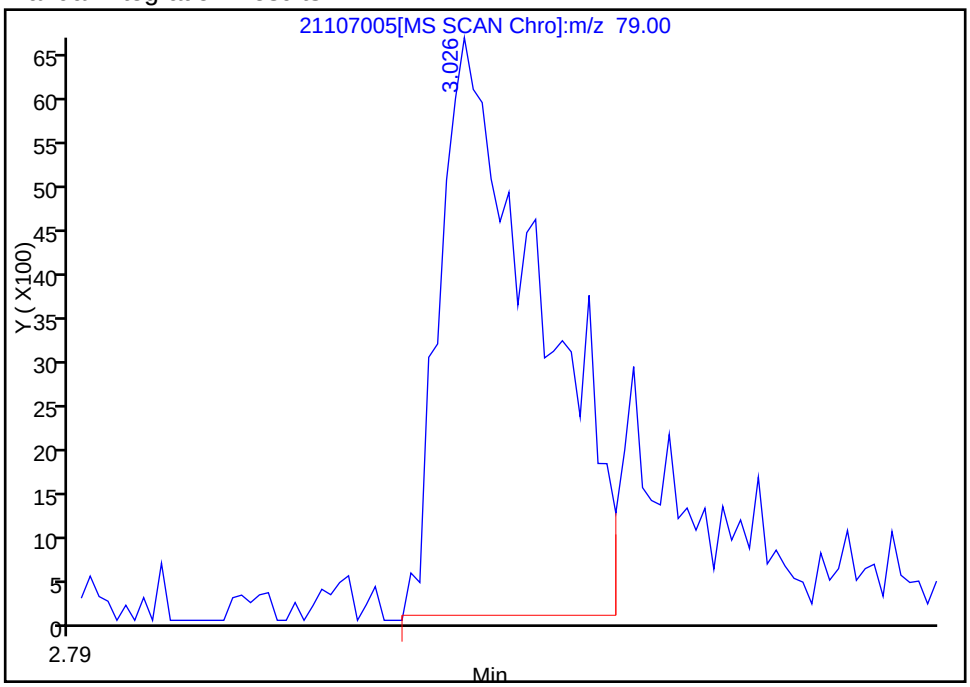
Processing Integration Results

RT: 3.03
Response: 17673
Amount: 0.464592



Manual Integration Results

RT: 3.03
Response: 27577
Amount: 0.381686



Reviewer: gruberj, 07-Nov-2012 14:50:38
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

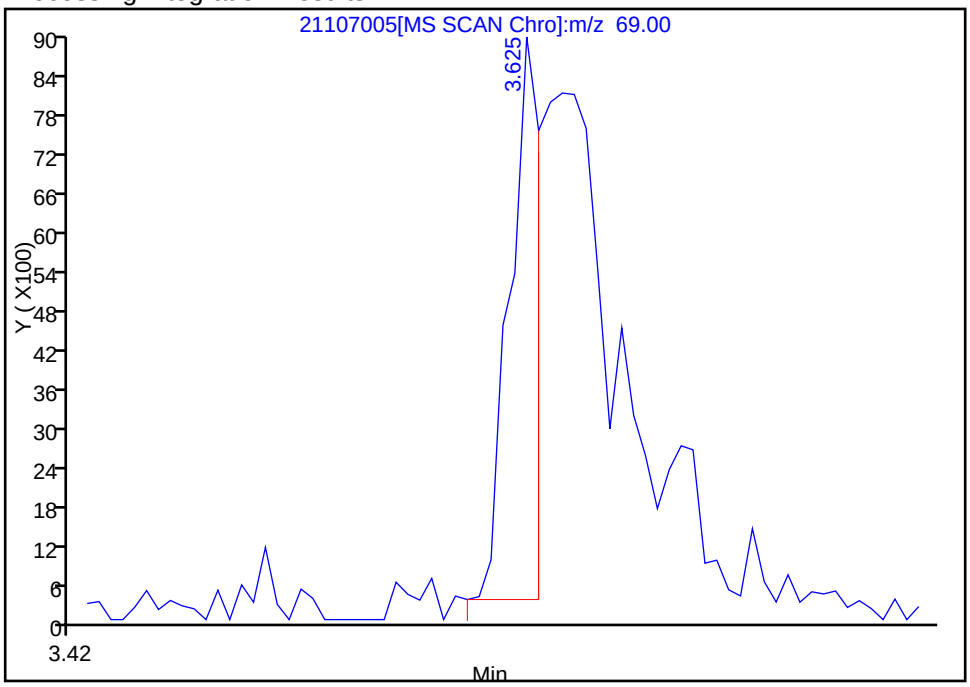
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107005.D		
Injection Date:	07-Nov-2012 12:54:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	64102	Lims Sample ID:	5
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

27 Ethyl methacrylate, Signal: 1, m/z: 69.0 Type: quant, RT: 3.64

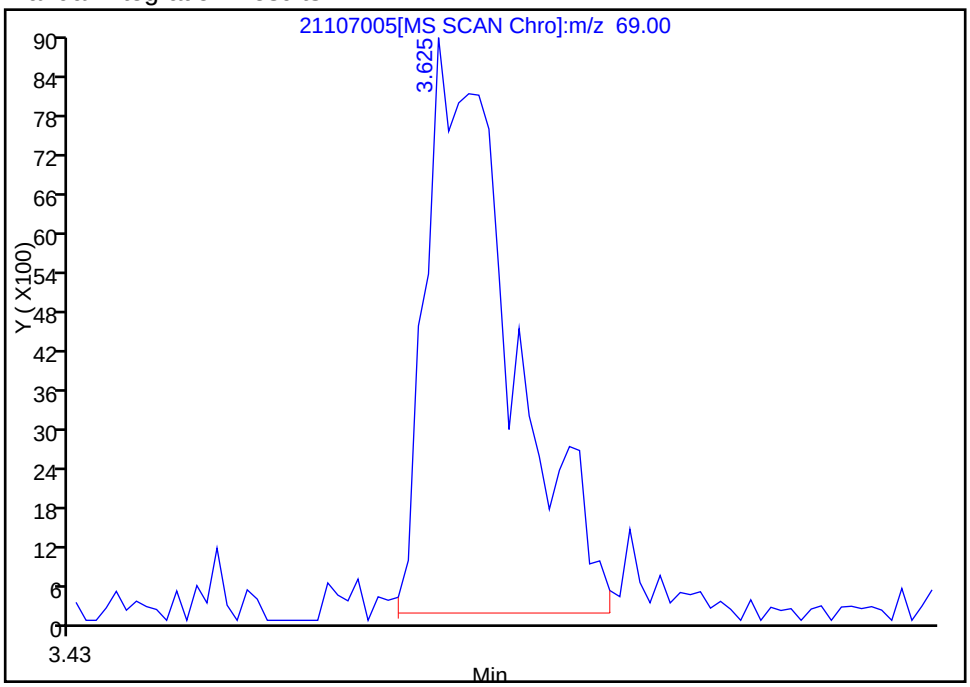
Processing Integration Results

RT: 3.63
Response: 8252
Amount: 0.296683



Manual Integration Results

RT: 3.63
Response: 27799
Amount: 0.463069



Reviewer: gruberj, 07-Nov-2012 14:50:38
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

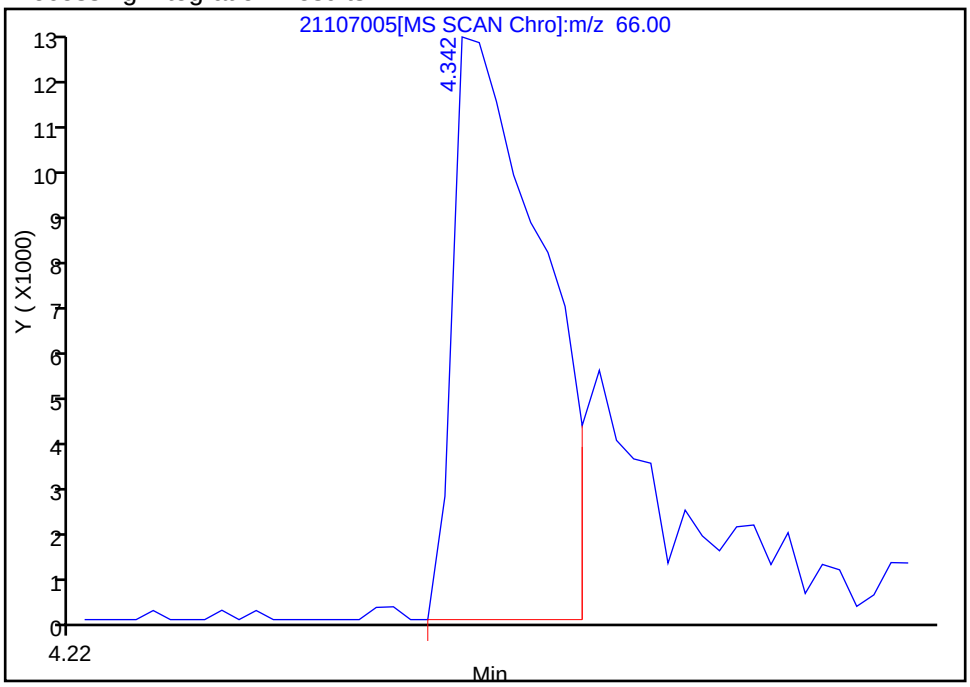
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107005.D		
Injection Date:	07-Nov-2012 12:54:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	64102	Lims Sample ID:	5
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

32 Malononitrile, Signal: 1, m/z: 66.0 Type: quant, RT: 4.34

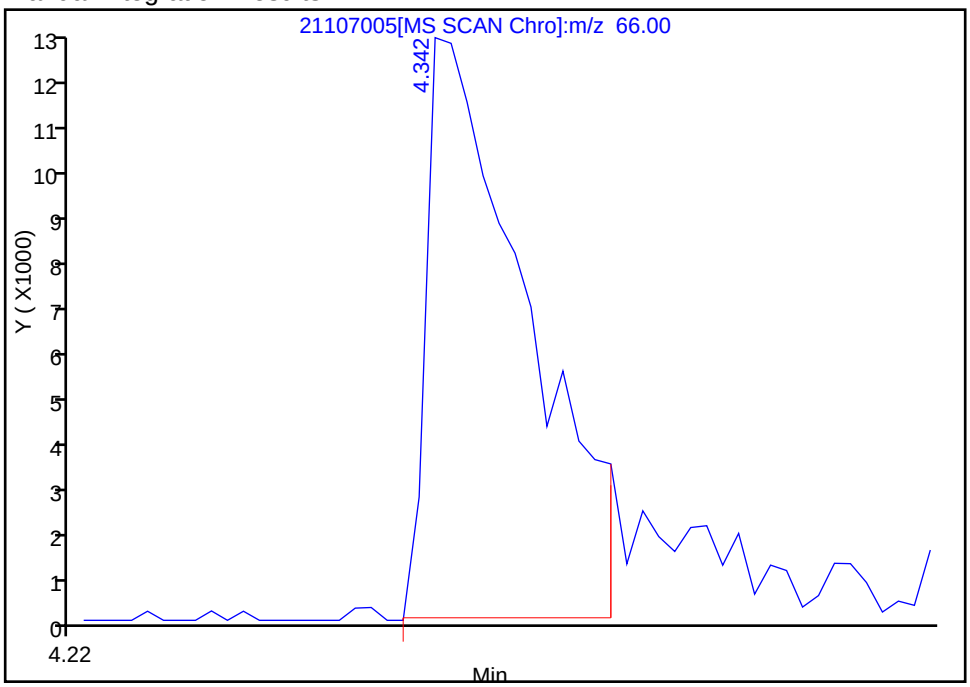
Processing Integration Results

RT: 4.34
Response: 23572
Amount: 0.626350



Manual Integration Results

RT: 4.34
Response: 28334
Amount: 0.374916



Reviewer: gruberj, 07-Nov-2012 14:50:38
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107006.D		
Lims ID:	std1 tcl	Client ID:	
Inject. Date:	07-Nov-2012 13:18:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	240-0014744-006		
Misc. Info.:	std1 tcl		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	6
Lims Batch ID:	64102	Lims Sample ID:	6
Sublist:	chrom-8270_hp7*sub15		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\8270_hp7.m		
Last Update:	08-Nov-2012 13:38:10	Calib Date:	07-Nov-2012 14:51:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK004		
First Level Reviewer: gruberj		Date:	07-Nov-2012 14:51:24

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.899	5.898	0.001	97	218239	4.00	
* 2 Naphthalene-d8	136	7.016	7.011	0.005	99	848829	4.00	
* 3 Acenaphthene-d10	164	8.509	8.509	0.0	92	463448	4.00	
* 4 Phenanthrene-d10	188	9.766	9.765	0.001	98	807621	4.00	
* 5 Chrysene-d12	240	12.301	12.301	0.0	97	758195	4.00	
* 6 Perylene-d12	264	14.365	14.360	0.005	92	603626	4.00	
$ 9 Nitrobenzene-d5	82	6.385	6.385	0.0	76	6483	0.0869	
$ 10 2-Fluorobiphenyl (Surr)	172	7.920	7.920	0.0	85	14545	0.0967	
$ 12 Terphenyl-d14	244	11.119	11.119	0.0	80	13394	0.0954	
40 Benzaldehyde	77	5.508	5.508	0.0	76	6123	0.1076	
73 Naphthalene	128	7.032	7.032	0.0	47	19322	0.0911	
85 2-Methylnaphthalene	142	7.621	7.621	0.0	79	12641	0.0932	
86 1-Methylnaphthalene	142	7.706	7.706	0.0	77	11911	0.0923	
95 1,1'-Biphenyl	154	8.011	8.011	0.0	91	17216	0.1052	
98 2-Chloronaphthalene	162	8.038	8.038	0.0	80	12516	0.0978	
107 Acenaphthylene	152	8.391	8.391	0.0	80	19842	0.0939	
110 Acenaphthene	153	8.535	8.535	0.0	73	11799	0.0928	
114 Dibenzofuran	168	8.680	8.680	0.0	86	19920	0.1056	
124 Fluorene	166	8.969	8.969	0.0	86	14541	0.0960	
139 Hexachlorobenzene	284	9.434	9.434	0.0	48	4345	0.1024	
146 Phenanthrene	178	9.787	9.787	0.0	83	23225	0.1053	
147 Anthracene	178	9.830	9.830	0.0	89	18837	0.0859	
157 Fluoranthene	202	10.793	10.792	0.001	91	20262	0.0832	
160 Pyrene	202	11.001	11.001	0.0	96	22058	0.0912	
175 Benzo[a]anthracene	228	12.290	12.290	0.0	66	20154	0.0953	
176 Chrysene	228	12.333	12.338	-0.005	77	21017	0.1042	
180 Benzo[b]fluoranthene	252	13.782	13.788	-0.006	79	14882	0.0773	
181 Benzo[k]fluoranthene	252	13.825	13.825	0.0	63	16988	0.0812	
182 Benzo[a]pyrene	252	14.280	14.280	0.0	37	11224	0.1704	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
186 Indeno[1,2,3-cd]pyrene	276	16.018	16.007	0.011	0	12509	0.1395	M
187 Dibenz(a,h)anthracene	278	16.045	16.040	0.005	30	10312	0.2238	M
188 Benzo[g,h,i]perylene	276	16.446	16.446	0.0	57	13397	0.0775	M

QC Flag Legend

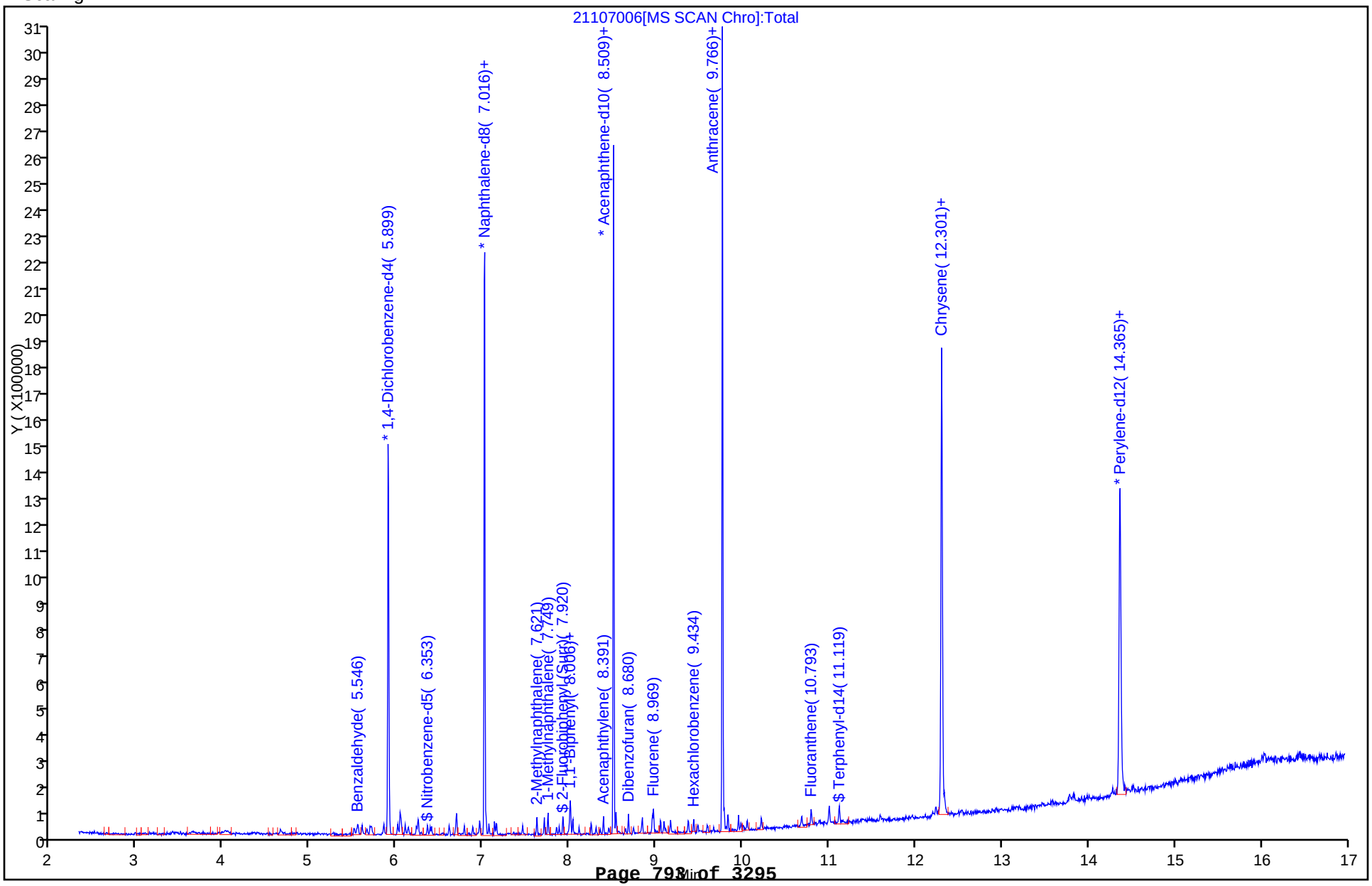
Review Flags
M - Manually Integrated

Report Date: 08-Nov-2012 13:38:11 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107006.D		
Injection Date:	07-Nov-2012 13:18:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	64102	Lims Sample ID:	6
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

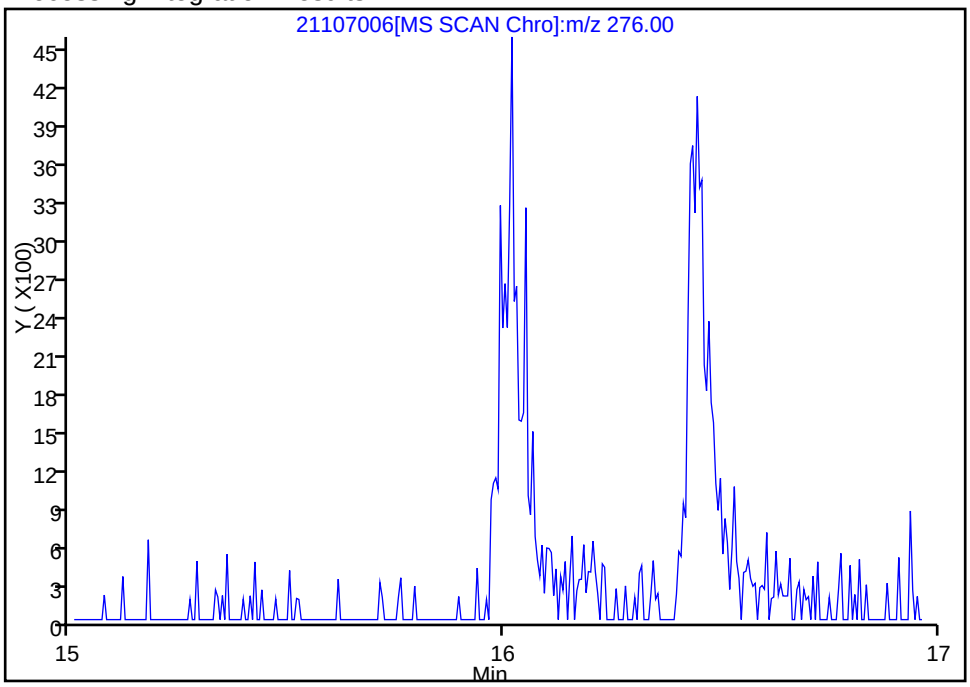
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107006.D		
Injection Date:	07-Nov-2012 13:18:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	64102	Lims Sample ID:	6
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

186 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 16.01

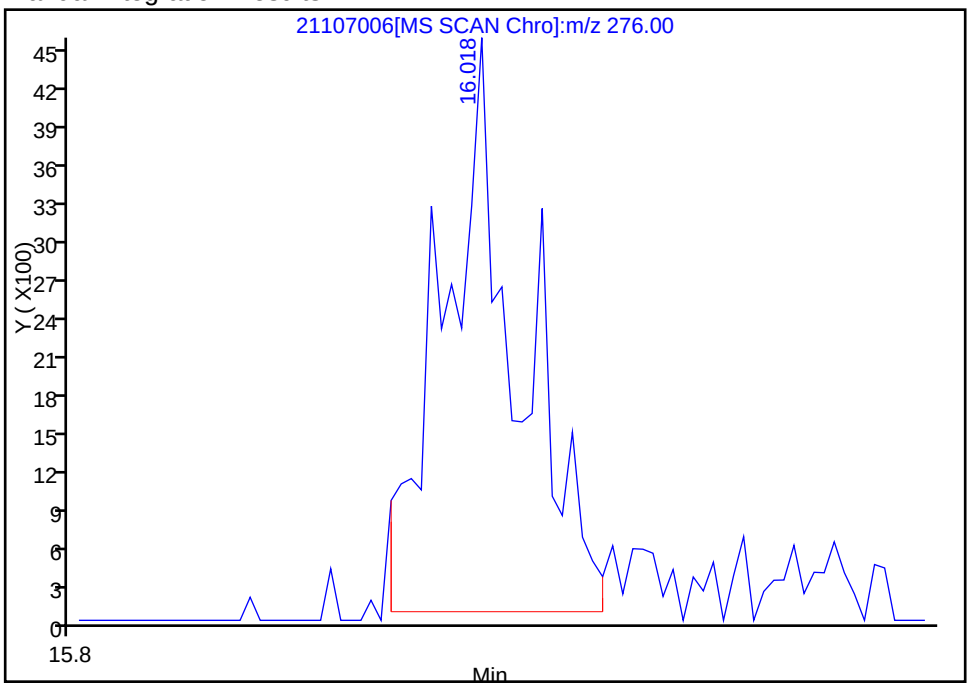
Not Detected
Expected RT: 16.01

Processing Integration Results



Manual Integration Results

RT: 16.02
Response: 12509
Amount: 0.139465



Reviewer: gruberj, 07-Nov-2012 14:51:24
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

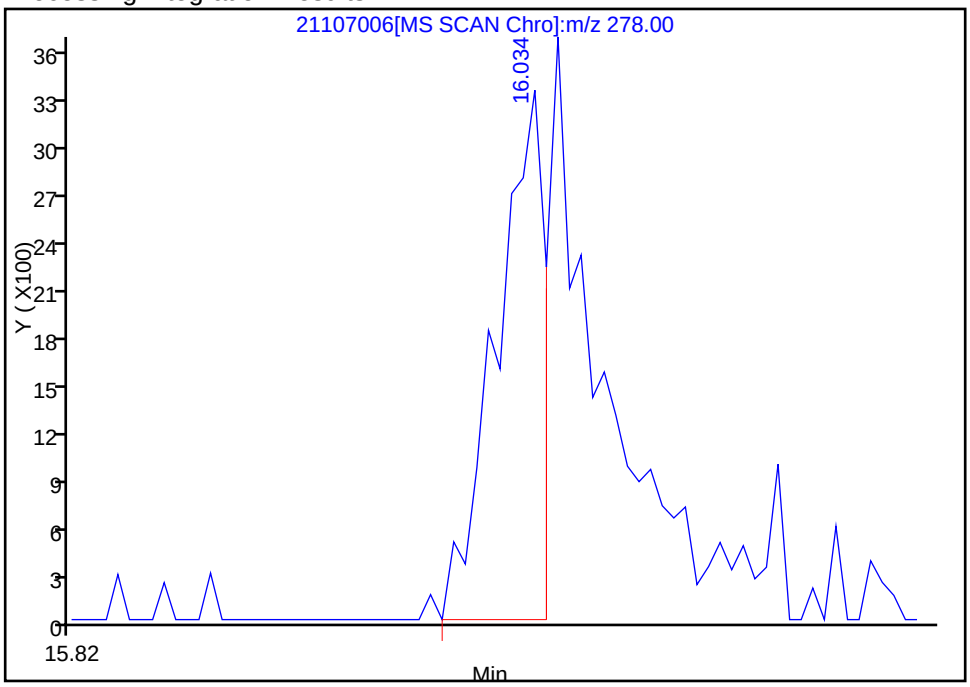
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107006.D		
Injection Date:	07-Nov-2012 13:18:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	64102	Lims Sample ID:	6
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

187 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 16.04

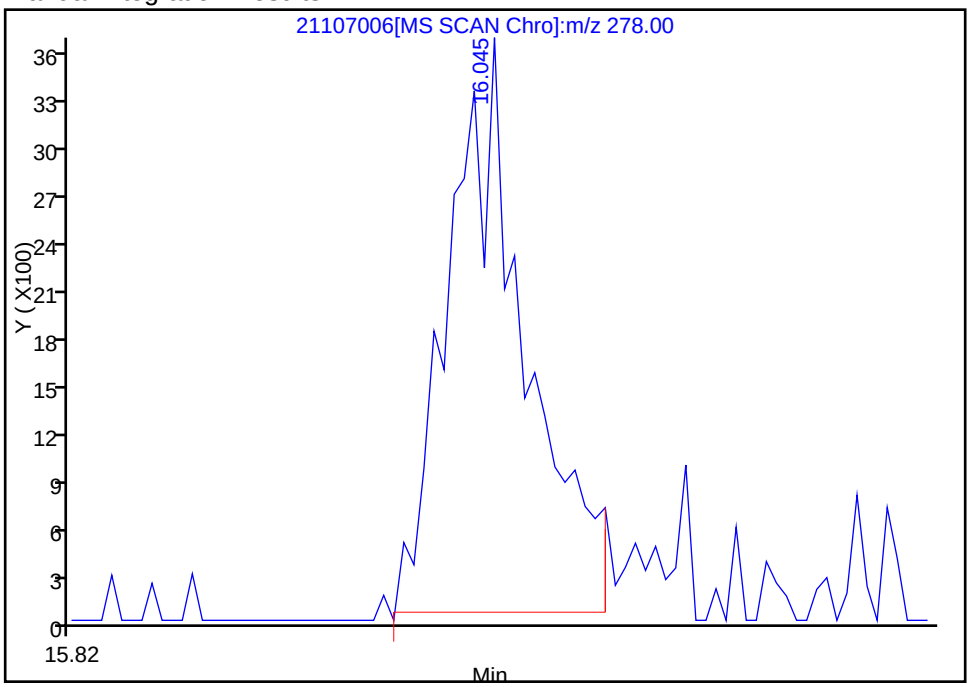
Processing Integration Results

RT: 16.03
Response: 5189
Amount: 0.200793



Manual Integration Results

RT: 16.04
Response: 10312
Amount: 0.223750



Reviewer: gruberj, 07-Nov-2012 14:51:24
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

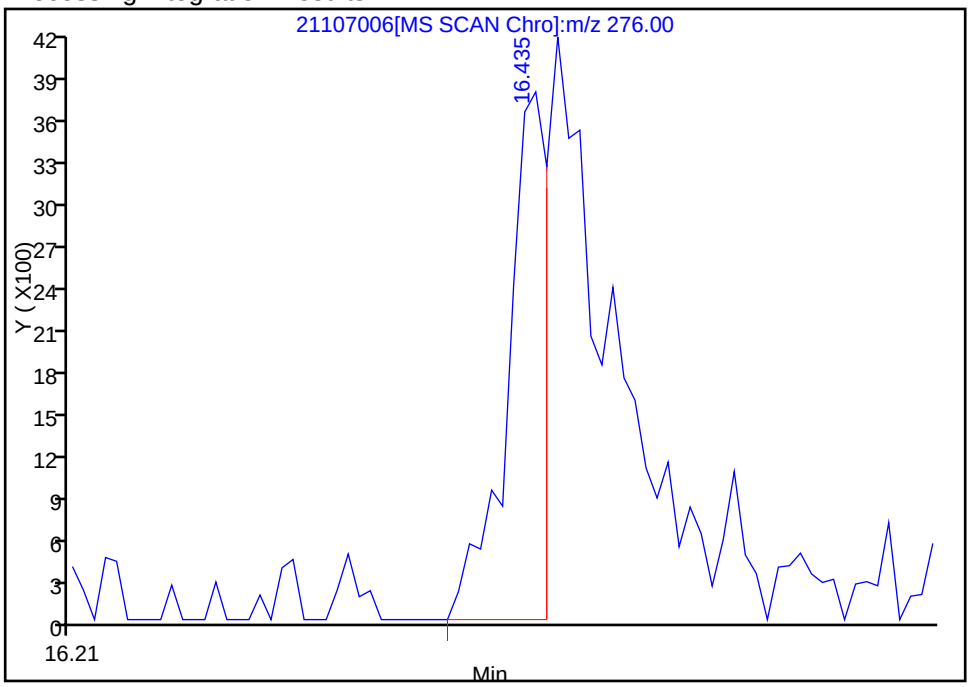
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107006.D		
Injection Date:	07-Nov-2012 13:18:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	64102	Lims Sample ID:	6
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

188 Benzo[g,h,i]perylene, Signal: 1, m/z: 276.0 Type: quant, RT: 16.45

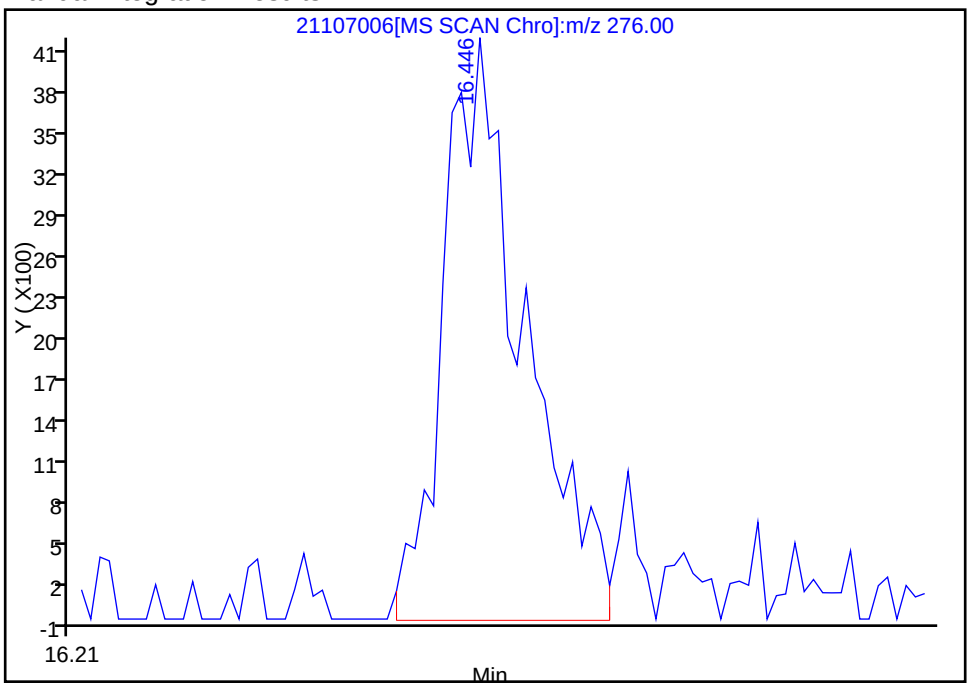
Processing Integration Results

RT: 16.44
Response: 5097
Amount: 0.092366



Manual Integration Results

RT: 16.45
Response: 13397
Amount: 0.077522



Reviewer: gruberj, 07-Nov-2012 14:51:24
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107007.D
Lims ID: std9 tcl
Client ID:
Inject. Date: 07-Nov-2012 13:41:30
Dil. Factor: 1.0000
Sample Type: IC
Calib Level: 9
Sample ID: 240-0014744-007
Misc. Info.: std9 tcl
Operator: 001710
Instrument ID: A4HP7
Injection Vol: 1.0 ul
ALS Bottle#: 7
Lims Batch ID: 64102
Lims Sample ID: 7
Sublist: chrom-8270_hp7*sub15
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121107-14744.b\8270_hp7.m
Last Update: 08-Nov-2012 13:38:12
Calib Date: 07-Nov-2012 14:51:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK004

First Level Reviewer: gruberj
Date: 07-Nov-2012 14:52:15

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.904	5.898	0.006	95	204073	4.00	
* 2 Naphthalene-d8	136	7.016	7.011	0.005	100	775333	4.00	
* 3 Acenaphthene-d10	164	8.508	8.509	-0.001	92	454396	4.00	
* 4 Phenanthrene-d10	188	9.765	9.765	0.0	97	774592	4.00	
* 5 Chrysene-d12	240	12.306	12.301	0.005	89	780553	4.00	
* 6 Perylene-d12	264	14.365	14.360	0.005	95	652033	4.00	
$ 7 2-Fluorophenol	112	4.652	4.652	0.0	91	1608759	25.5	
$ 8 Phenol-d5	99	5.540	5.540	0.0	95	2055113	25.7	
$ 9 Nitrobenzene-d5	82	6.385	6.385	0.0	89	1807783	26.5	
$ 10 2-Fluorobiphenyl (Surr)	172	7.925	7.920	0.005	99	3709926	25.2	
$ 11 2,4,6-Tribromophenol	330	9.172	9.172	0.0	87	492588	26.2	
$ 12 Terphenyl-d14	244	11.119	11.119	0.0	98	3740756	25.9	
24 1,4-Dioxane	88	2.507	2.502	0.005	97	670580	28.3	
25 N-Nitrosodimethylamine	74	2.951	2.946	0.005	93	1020584	24.4	
26 Pyridine	79	3.005	3.005	0.0	95	1811625	26.7	
27 Ethyl methacrylate	69	3.641	3.641	0.0	92	1410556	25.0	
28 3-Chloropropionitrile	54	4.005	4.005	0.0	88	983880	26.1	
32 Malononitrile	66	4.342	4.342	0.0	98	1838076	25.9	
40 Benzaldehyde	77		5.508					
41 Phenol	94	5.556	5.551	0.005	98	2157751	25.3	
43 Aniline	93	5.599	5.599	0.0	98	2711054	25.4	
44 Bis(2-chloroethyl)ether	93	5.652	5.652	0.0	96	1653462	25.1	
46 2-Chlorophenol	128	5.706	5.706	0.0	97	1749387	25.4	
47 1,3-Dichlorobenzene	146	5.850	5.850	0.0	96	1840193	24.7	
48 1,4-Dichlorobenzene	146	5.914	5.915	-0.001	91	1812536	24.5	
49 Benzyl alcohol	108	6.011	6.011	0.0	91	1109887	26.1	
50 1,2-Dichlorobenzene	146	6.053	6.054	-0.001	95	1761611	25.0	
51 2-Methylphenol	108	6.096	6.096	0.0	96	1598670	25.7	
52 2,2'-oxybis[1-chloropropane]	45	6.134	6.134	0.0	92	2394076	24.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
191 3 & 4 Methylphenol	108	6.230	6.230	0.0	97	1641179	25.2	
56 N-Nitrosodi-n-propylamine	70	6.246	6.246	0.0	90	1170477	25.3	
57 Acetophenone	105	6.251	6.251	0.0	96	2303818	25.0	
60 Hexachloroethane	117	6.353	6.353	0.0	94	737294	24.6	
61 Nitrobenzene	77	6.401	6.401	0.0	84	1835606	26.1	
63 Isophorone	82	6.610	6.605	0.006	98	3291755	26.6	
65 2-Nitrophenol	139	6.679	6.679	0.0	96	886070	26.7	
66 1,3,5-Trichlorobenzene	180	6.690	6.690	0.0	95	1509857	24.6	
64 2,4-Dimethylphenol	107	6.695	6.695	0.0	95	1663053	25.5	
69 Benzoic acid	122	6.786	6.760	0.026	54	2263947	49.2	
68 Bis(2-chloroethoxy)methane	93	6.781	6.781	0.0	99	1980306	25.2	
71 2,4-Dichlorophenol	162	6.882	6.877	0.005	93	1363692	26.5	
72 1,2,4-Trichlorobenzene	180	6.963	6.958	0.005	89	1543759	25.1	
73 Naphthalene	128	7.032	7.032	0.0	96	5098943	26.3	
74 4-Chloroaniline	127	7.064	7.064	0.0	85	2153710	26.1	
77 Hexachlorobutadiene	225	7.134	7.129	0.005	90	834160	25.1	
78 1,2,3-Trichlorobenzene	180	7.155	7.150	0.005	90	1452449	0	
83 Caprolactam	113	7.364	7.348	0.016	80	409876	24.6	
84 4-Chloro-3-methylphenol	107	7.460	7.455	0.005	94	1473568	26.6	
85 2-Methylnaphthalene	142	7.621	7.621	0.0	88	3192368	25.8	
86 1-Methylnaphthalene	142	7.706	7.706	0.0	83	3074953	26.1	
87 1,2,3,5-Tetrachlorobenzene	216	7.749	7.749	0.0	93	1502806	24.3	
88 Hexachlorocyclopentadiene	237	7.749	7.749	0.0	92	976433	26.5	
90 2,4,6-Trichlorophenol	196	7.851	7.845	0.006	92	1013558	26.5	
91 2,4,5-Trichlorophenol	196	7.883	7.877	0.006	95	1072129	26.0	
94 2,4-Toluene diamine	121	7.995	7.990	0.005	97	868625	22.0	
96 1,2,3,4 -Tetrachlorobenzene	216	8.006	8.001	0.005	87	1440062	0	
95 1,1'-Biphenyl	154	8.011	8.011	0.0	93	3965786	24.7	
98 2-Chloronaphthalene	162	8.038	8.038	0.0	95	3115146	24.8	
100 2-Nitroaniline	65	8.107	8.107	0.0	83	987900	26.8	
103 Dimethyl phthalate	163	8.252	8.252	0.0	99	3437402	25.8	
105 2,6-Dinitrotoluene	165	8.311	8.305	0.006	90	768083	24.6	
106 1,2-Dinitrobenzene	168	8.359	8.354	0.005	89	409392	27.6	
107 Acenaphthylene	152	8.391	8.391	0.0	97	5445218	26.3	
108 3-Nitroaniline	138	8.455	8.450	0.005	93	928853	27.8	
110 Acenaphthene	153	8.535	8.535	0.0	91	3085730	24.8	
109 2,4-Dinitrophenol	184	8.541	8.535	0.006	79	1106604	49.3	
111 4-Nitrophenol	109	8.567	8.562	0.005	90	539112	28.0	
112 2,4-Dinitrotoluene	165	8.653	8.648	0.005	93	1064143	24.6	
114 Dibenzofuran	168	8.680	8.680	0.0	88	4675894	25.3	
115 2,3,5,6-Tetrachlorophenol	232	8.738	8.733	0.005	89	924029	27.2	
119 Diethyl phthalate	149	8.845	8.840	0.005	97	3593483	25.8	
121 4-Chlorophenyl phenyl ether	204	8.958	8.958	0.0	93	1748364	24.9	
123 4-Nitroaniline	138	8.974	8.969	0.005	61	904568	24.6	
124 Fluorene	166	8.974	8.969	0.005	91	3734212	25.1	
126 4,6-Dinitro-2-methylphenol	198	8.995	8.990	0.005	79	687768	24.7	
130 N-Nitrosodiphenylamine	169	9.054	9.049	0.005	0	2794355	26.2	
129 1,2-Diphenylhydrazine	77	9.091	9.092	-0.001	0	3920417	26.0	
131 Azobenzene	77	9.091	9.092	-0.001	99	3920417	26.0	
137 4-Bromophenyl phenyl ether	248	9.375	9.375	0.0	62	999726	25.3	
139 Hexachlorobenzene	284	9.439	9.434	0.005	90	998152	24.5	
140 Atrazine	200	9.487	9.482	0.005	90	719727	24.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.594	9.594	0.0	87	1450927	50.1	
146 Phenanthrene	178	9.787	9.787	0.0	97	5330724	25.2	
147 Anthracene	178	9.835	9.830	0.005	96	5594055	26.6	
149 Carbazole	167	9.958	9.953	0.005	81	5414909	26.5	
151 Di-n-butyl phthalate	149	10.215	10.215	0.0	99	6436053	28.1	
157 Fluoranthene	202	10.798	10.792	0.006	96	6279316	26.9	
158 Benzidine	184	10.889	10.894	-0.005	99	3730708	24.8	
160 Pyrene	202	11.001	11.001	0.0	98	6663115	26.8	
166 Butyl benzyl phthalate	149	11.595	11.595	0.0	97	2723023	24.8	
170 3,3'-Dimethoxybenzidine	244	12.199	12.194	0.005	87	1502602	24.6	
173 3,3'-Dichlorobenzidine	252	12.242	12.237	0.005	64	2222486	24.9	
172 4,4'-Methylene bis(2-chloroanili	231	12.242	12.237	0.005	71	1060036	25.0	
171 Bis(2-ethylhexyl) phthalate	149	12.269	12.263	0.006	95	3834094	24.7	
175 Benzo[a]anthracene	228	12.290	12.290	0.0	94	5770519	26.5	
176 Chrysene	228	12.343	12.338	0.005	92	5395172	26.0	
178 Di-n-octyl phthalate	149	13.172	13.167	0.005	99	6486699	24.8	
180 Benzo[b]fluoranthene	252	13.793	13.788	0.005	93	5752475	27.7	
181 Benzo[k]fluoranthene	252	13.830	13.825	0.005	95	6401152	28.3	
182 Benzo[a]pyrene	252	14.285	14.280	0.005	75	5751071	25.0	
186 Indeno[1,2,3-cd]pyrene	276	16.018	16.007	0.011	94	6209963	25.0	
187 Dibenz(a,h)anthracene	278	16.050	16.040	0.010	79	5198411	24.9	
188 Benzo[g,h,i]perylene	276	16.462	16.446	0.016	93	5328943	28.5	
S 189 Methyl Phenols,Total	100				0		25.7	

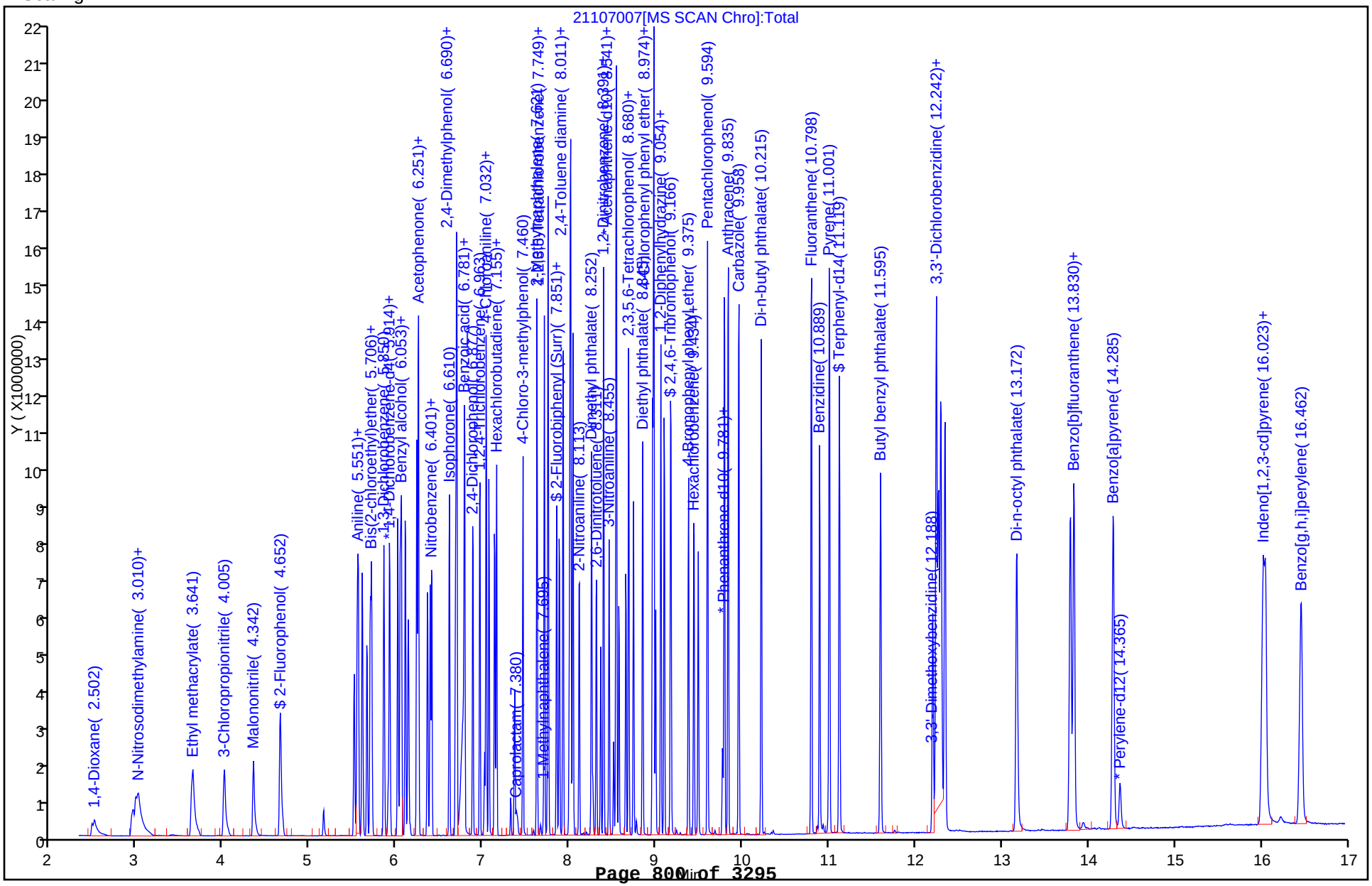
Report Date: 08-Nov-2012 13:38:12 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107007.D

Injection Date:	07-Nov-2012 13:41:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	64102	Lims Sample ID:	7
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107008.D		
Lims ID:	std8 tcl	Client ID:	
Inject. Date:	07-Nov-2012 14:05:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	8
Sample ID:	240-0014744-008		
Misc. Info.:	std8 tcl		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	8
Lims Batch ID:	64102	Lims Sample ID:	8
Sublist:	chrom-8270_hp7*sub15		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\8270_hp7.m		
Last Update:	08-Nov-2012 13:38:14	Calib Date:	07-Nov-2012 14:51:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK004		
First Level Reviewer: gruberj		Date:	07-Nov-2012 14:52:58

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.904	5.898	0.006	94	266636	4.00	
* 2 Naphthalene-d8	136	7.016	7.011	0.005	99	1051114	4.00	
* 3 Acenaphthene-d10	164	8.509	8.509	0.0	92	603275	4.00	
* 4 Phenanthrene-d10	188	9.766	9.765	0.001	95	1061630	4.00	
* 5 Chrysene-d12	240	12.306	12.301	0.005	96	1072143	4.00	
* 6 Perylene-d12	264	14.365	14.360	0.005	96	921300	4.00	
$ 7 2-Fluorophenol	112	4.652	4.652	0.0	93	1776893	21.6	
$ 8 Phenol-d5	99	5.540	5.540	0.0	94	2282025	21.8	
$ 9 Nitrobenzene-d5	82	6.385	6.385	0.0	89	2011974	21.8	
$ 10 2-Fluorobiphenyl (Surr)	172	7.926	7.920	0.006	99	4176600	21.3	
$ 11 2,4,6-Tribromophenol	330	9.172	9.172	0.0	87	542442	21.7	
$ 12 Terphenyl-d14	244	11.119	11.119	0.0	98	4196729	21.1	
24 1,4-Dioxane	88	2.507	2.502	0.005	96	533305	17.2	
25 N-Nitrosodimethylamine	74	2.951	2.946	0.005	92	1152976	21.2	
26 Pyridine	79	3.010	3.005	0.005	94	1976673	22.3	
27 Ethyl methacrylate	69	3.641	3.641	0.0	91	1555123	21.1	
28 3-Chloropropionitrile	54	4.005	4.005	0.0	88	1105388	22.5	
32 Malononitrile	66	4.342	4.342	0.0	97	2134060	23.0	
40 Benzaldehyde	77	5.508	5.508	0.0	92	1113893	16.0	
41 Phenol	94	5.556	5.551	0.005	98	2377819	21.3	
43 Aniline	93	5.599	5.599	0.0	98	2982264	21.4	
44 Bis(2-chloroethyl)ether	93	5.658	5.652	0.006	96	1820736	21.1	
46 2-Chlorophenol	128	5.706	5.706	0.0	97	1939192	21.5	
47 1,3-Dichlorobenzene	146	5.850	5.850	0.0	96	2033209	20.9	
48 1,4-Dichlorobenzene	146	5.920	5.915	0.005	94	1994970	20.7	
49 Benzyl alcohol	108	6.011	6.011	0.0	91	1218061	21.9	
50 1,2-Dichlorobenzene	146	6.054	6.054	0.0	95	1921155	20.9	
51 2-Methylphenol	108	6.096	6.096	0.0	95	1761548	21.7	
52 2,2'-oxybis[1-chloropropane]	45	6.134	6.134	0.0	92	2710885	21.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
191 3 & 4 Methylphenol	108	6.230	6.230	0.0	96	1863583	21.9	
56 N-Nitrosodi-n-propylamine	70	6.246	6.246	0.0	89	1305510	21.6	
57 Acetophenone	105	6.252	6.251	0.001	95	2540663	21.1	
60 Hexachloroethane	117	6.353	6.353	0.0	93	812553	20.7	
61 Nitrobenzene	77	6.401	6.401	0.0	81	2023003	21.2	
63 Isophorone	82	6.610	6.605	0.006	97	3679329	21.9	
65 2-Nitrophenol	139	6.679	6.679	0.0	96	994494	22.1	
66 1,3,5-Trichlorobenzene	180	6.690	6.690	0.0	95	1677390	20.1	
64 2,4-Dimethylphenol	107	6.695	6.695	0.0	95	1847588	20.9	
69 Benzoic acid	122	6.792	6.760	0.032	84	2567708	41.6	
68 Bis(2-chloroethoxy)methane	93	6.781	6.781	0.0	98	2179326	20.5	
71 2,4-Dichlorophenol	162	6.883	6.877	0.006	94	1510979	21.6	
72 1,2,4-Trichlorobenzene	180	6.963	6.958	0.005	93	1678302	20.2	
73 Naphthalene	128	7.032	7.032	0.0	97	5581839	21.3	
74 4-Chloroaniline	127	7.065	7.064	0.0	85	2412184	21.5	
77 Hexachlorobutadiene	225	7.129	7.129	0.0	93	908100	20.1	
78 1,2,3-Trichlorobenzene	180	7.155	7.150	0.005	90	1598618	0	
83 Caprolactam	113	7.369	7.348	0.021	80	479685	20.0	
84 4-Chloro-3-methylphenol	107	7.460	7.455	0.005	93	1637447	21.8	
85 2-Methylnaphthalene	142	7.621	7.621	0.0	83	3531733	21.0	
86 1-Methylnaphthalene	142	7.706	7.706	0.0	83	3374252	21.1	
87 1,2,3,5-Tetrachlorobenzene	216	7.749	7.749	0.0	93	1631883	19.9	
88 Hexachlorocyclopentadiene	237	7.749	7.749	0.0	86	1059644	21.7	
90 2,4,6-Trichlorophenol	196	7.851	7.845	0.006	90	1118437	22.0	
91 2,4,5-Trichlorophenol	196	7.883	7.877	0.006	95	1212108	22.1	
94 2,4-Toluene diamine	121	7.995	7.990	0.005	98	882419	16.5	
96 1,2,3,4 -Tetrachlorobenzene	216	8.006	8.001	0.005	90	1564968	0	
95 1,1'-Biphenyl	154	8.011	8.011	0.0	93	4411496	20.7	
98 2-Chloronaphthalene	162	8.038	8.038	0.0	95	3457946	20.8	
100 2-Nitroaniline	65	8.113	8.107	0.006	86	1115602	22.8	
103 Dimethyl phthalate	163	8.252	8.252	0.0	99	3825470	21.6	
105 2,6-Dinitrotoluene	165	8.311	8.305	0.006	91	867959	21.0	
106 1,2-Dinitrobenzene	168	8.359	8.354	0.005	89	456583	23.2	
107 Acenaphthylene	152	8.391	8.391	0.0	91	6002224	21.8	
108 3-Nitroaniline	138	8.455	8.450	0.005	94	1049195	23.7	
110 Acenaphthene	153	8.535	8.535	0.0	92	3408737	20.6	
109 2,4-Dinitrophenol	184	8.541	8.535	0.006	75	1219360	41.2	
111 4-Nitrophenol	109	8.573	8.562	0.011	91	593687	23.2	
112 2,4-Dinitrotoluene	165	8.653	8.648	0.005	93	1184303	20.8	
114 Dibenzofuran	168	8.680	8.680	0.0	85	5132615	20.9	
115 2,3,5,6-Tetrachlorophenol	232	8.739	8.733	0.006	86	1035587	22.9	
119 Diethyl phthalate	149	8.846	8.840	0.006	98	4041181	21.8	
121 4-Chlorophenyl phenyl ether	204	8.958	8.958	0.0	91	1987312	21.3	
123 4-Nitroaniline	138	8.974	8.969	0.005	67	1024556	21.0	
124 Fluorene	166	8.974	8.969	0.005	82	4078515	20.7	
126 4,6-Dinitro-2-methylphenol	198	8.995	8.990	0.005	79	771658	20.6	
130 N-Nitrosodiphenylamine	169	9.054	9.049	0.005	0	3139006	21.4	
129 1,2-Diphenylhydrazine	77	9.092	9.092	0.0	0	4392481	21.3	
131 Azobenzene	77	9.092	9.092	0.0	98	4392962	21.3	
137 4-Bromophenyl phenyl ether	248	9.375	9.375	0.0	62	1120053	20.7	
139 Hexachlorobenzene	284	9.439	9.434	0.005	90	1115873	20.0	
140 Atrazine	200	9.487	9.482	0.005	91	787545	19.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.594	9.594	0.0	85	1569637	40.1	
146 Phenanthrene	178	9.792	9.787	0.005	96	5971362	20.6	
147 Anthracene	178	9.835	9.830	0.005	96	6267637	21.8	
149 Carbazole	167	9.958	9.953	0.005	81	6046967	21.6	
151 Di-n-butyl phthalate	149	10.215	10.215	0.0	100	7068549	22.5	
157 Fluoranthene	202	10.798	10.792	0.006	96	7078899	22.1	
158 Benzidine	184	10.894	10.894	0.0	99	4126710	20.5	
160 Pyrene	202	11.006	11.001	0.005	97	7417941	21.7	
166 Butyl benzyl phthalate	149	11.595	11.595	0.0	96	3041849	20.5	
170 3,3'-Dimethoxybenzidine	244	12.199	12.194	0.005	92	1703500	20.8	
173 3,3'-Dichlorobenzidine	252	12.242	12.237	0.005	61	2485326	20.4	
172 4,4'-Methylene bis(2-chloroanili	231	12.242	12.237	0.005	70	1150023	20.1	
171 Bis(2-ethylhexyl) phthalate	149	12.269	12.263	0.006	95	4342850	20.7	
175 Benzo[a]anthracene	228	12.295	12.290	0.005	96	6432402	21.5	
176 Chrysene	228	12.344	12.338	0.006	95	5976490	21.0	
178 Di-n-octyl phthalate	149	13.173	13.167	0.006	99	7366681	20.5	
180 Benzo[b]fluoranthene	252	13.793	13.788	0.005	91	6761810	23.0	
181 Benzo[k]fluoranthene	252	13.836	13.825	0.011	89	6927834	21.7	
182 Benzo[a]pyrene	252	14.291	14.280	0.010	76	6389303	20.1	
186 Indeno[1,2,3-cd]pyrene	276	16.023	16.007	0.016	94	6972181	20.1	
187 Dibenz(a,h)anthracene	278	16.050	16.040	0.010	77	5905981	20.2	
188 Benzo[g,h,i]perylene	276	16.462	16.446	0.016	90	5973870	22.6	
S 189 Methyl Phenols,Total	100				0		21.7	

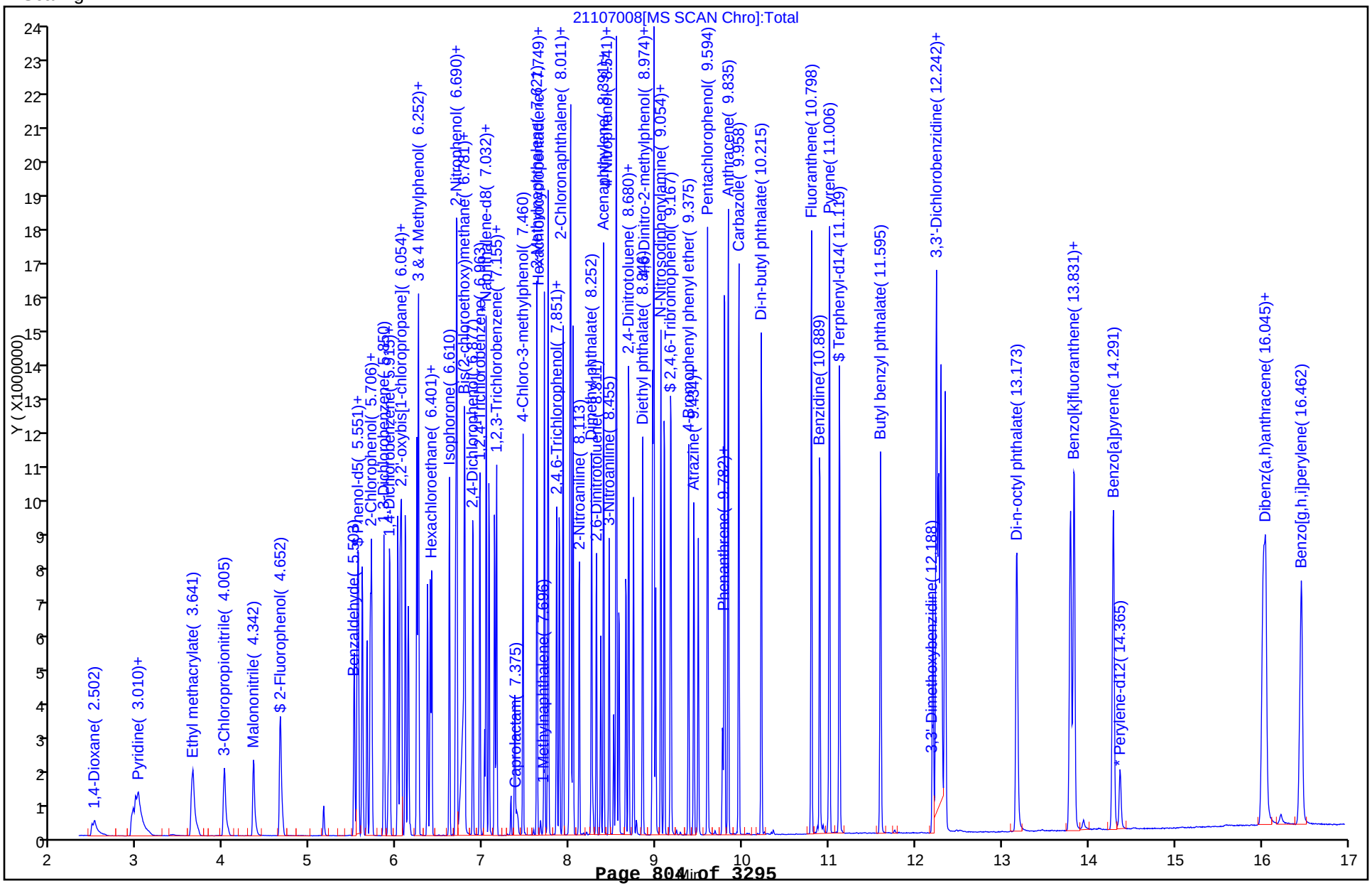
Report Date: 08-Nov-2012 13:38:14 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107008.D

Injection Date:	07-Nov-2012 14:05:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	64102	Lims Sample ID:	8
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107009.D		
Lims ID:	std7 tcl	Client ID:	
Inject. Date:	07-Nov-2012 14:28:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	240-0014744-009		
Misc. Info.:	std7 tcl		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	9
Lims Batch ID:	64102	Lims Sample ID:	9
Sublist:	chrom-8270_hp7*sub15		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\8270_hp7.m		
Last Update:	08-Nov-2012 13:38:15	Calib Date:	07-Nov-2012 14:51:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK004		
First Level Reviewer: gruberj		Date:	07-Nov-2012 14:53:37

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.898	5.898	0.0	96	236816	4.00	
* 2 Naphthalene-d8	136	7.016	7.011	0.005	99	904520	4.00	
* 3 Acenaphthene-d10	164	8.508	8.509	-0.001	92	511064	4.00	
* 4 Phenanthrene-d10	188	9.765	9.765	0.0	97	886480	4.00	
* 5 Chrysene-d12	240	12.306	12.301	0.005	94	905642	4.00	
* 6 Perylene-d12	264	14.365	14.360	0.005	96	738323	4.00	
$ 7 2-Fluorophenol	112	4.652	4.652	0.0	92	1084134	14.8	
$ 8 Phenol-d5	99	5.540	5.540	0.0	89	1401532	15.1	
$ 9 Nitrobenzene-d5	82	6.385	6.385	0.0	88	1231341	15.5	
$ 10 2-Fluorobiphenyl (Surr)	172	7.920	7.920	0.0	100	2490882	15.0	
$ 11 2,4,6-Tribromophenol	330	9.172	9.172	0.0	89	329077	15.6	
$ 12 Terphenyl-d14	244	11.119	11.119	0.0	99	2500174	14.9	
24 1,4-Dioxane	88	2.507	2.502	0.005	90	357431	13.0	
25 N-Nitrosodimethylamine	74	2.951	2.946	0.005	89	710533	14.8	
26 Pyridine	79	3.010	3.005	0.005	95	1240295	15.7	
27 Ethyl methacrylate	69	3.641	3.641	0.0	92	959932	14.7	
28 3-Chloropropionitrile	54	4.005	4.005	0.0	90	675455	15.5	
32 Malononitrile	66	4.342	4.342	0.0	97	1310337	15.9	
40 Benzaldehyde	77	5.508	5.508	0.0	93	807962	13.1	
41 Phenol	94	5.551	5.551	0.0	99	1483091	15.0	
43 Aniline	93	5.599	5.599	0.0	98	1852000	14.9	
44 Bis(2-chloroethyl)ether	93	5.652	5.652	0.0	95	1122950	14.7	
46 2-Chlorophenol	128	5.706	5.706	0.0	97	1178499	14.7	
47 1,3-Dichlorobenzene	146	5.850	5.850	0.0	96	1256355	14.6	
48 1,4-Dichlorobenzene	146	5.914	5.915	-0.001	92	1250498	14.6	
49 Benzyl alcohol	108	6.011	6.011	0.0	91	752132	15.2	
50 1,2-Dichlorobenzene	146	6.053	6.054	-0.001	95	1182427	14.5	
51 2-Methylphenol	108	6.096	6.096	0.0	96	1067935	14.8	
52 2,2'-oxybis[1-chloropropane]	45	6.134	6.134	0.0	92	1630140	14.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
191 3 & 4 Methylphenol	108	6.230	6.230	0.0	97	1134834	15.0	
56 N-Nitrosodi-n-propylamine	70	6.246	6.246	0.0	87	805470	15.0	
57 Acetophenone	105	6.251	6.251	0.0	91	1561539	14.6	
60 Hexachloroethane	117	6.353	6.353	0.0	94	505961	14.5	
61 Nitrobenzene	77	6.401	6.401	0.0	83	1234618	15.0	
63 Isophorone	82	6.604	6.605	0.0	97	2187568	15.2	
65 2-Nitrophenol	139	6.679	6.679	0.0	95	611408	15.8	
66 1,3,5-Trichlorobenzene	180	6.690	6.690	0.0	95	1035680	14.4	
64 2,4-Dimethylphenol	107	6.695	6.695	0.0	93	1141006	15.0	
69 Benzoic acid	122	6.770	6.760	0.010	84	1543106	29.7	
68 Bis(2-chloroethoxy)methane	93	6.781	6.781	0.0	93	1353489	14.8	
71 2,4-Dichlorophenol	162	6.877	6.877	0.0	96	911378	15.2	
72 1,2,4-Trichlorobenzene	180	6.957	6.958	-0.001	92	1050932	14.7	
73 Naphthalene	128	7.032	7.032	0.0	97	3380709	15.0	
74 4-Chloroaniline	127	7.064	7.064	0.0	85	1448322	15.0	
77 Hexachlorobutadiene	225	7.129	7.129	-0.001	93	559120	14.4	
78 1,2,3-Trichlorobenzene	180	7.155	7.150	0.005	87	972715	0	
83 Caprolactam	113	7.353	7.348	0.005	76	347893	16.1	
84 4-Chloro-3-methylphenol	107	7.460	7.455	0.005	91	979022	15.2	
85 2-Methylnaphthalene	142	7.621	7.621	0.0	87	2122405	14.7	
86 1-Methylnaphthalene	142	7.706	7.706	0.0	84	2079707	15.1	
87 1,2,3,5-Tetrachlorobenzene	216	7.749	7.749	0.0	93	1019623	14.7	
88 Hexachlorocyclopentadiene	237	7.749	7.749	0.0	93	627279	15.1	
90 2,4,6-Trichlorophenol	196	7.851	7.845	0.006	92	677861	15.7	
91 2,4,5-Trichlorophenol	196	7.877	7.877	0.0	95	736914	15.9	
94 2,4-Toluene diamine	121	7.995	7.990	0.005	98	626231	13.6	
96 1,2,3,4 -Tetrachlorobenzene	216	8.006	8.001	0.005	84	977499	0	
95 1,1'-Biphenyl	154	8.011	8.011	0.0	94	2640427	14.6	
98 2-Chloronaphthalene	162	8.038	8.038	0.0	96	2081186	14.7	
100 2-Nitroaniline	65	8.107	8.107	0.0	83	666331	16.1	
103 Dimethyl phthalate	163	8.252	8.252	0.0	99	2265250	15.1	
105 2,6-Dinitrotoluene	165	8.305	8.305	0.0	88	504465	14.5	
106 1,2-Dinitrobenzene	168	8.359	8.354	0.005	90	274957	16.5	
107 Acenaphthylene	152	8.391	8.391	0.0	96	3557410	15.3	
108 3-Nitroaniline	138	8.455	8.450	0.005	95	615665	16.4	
110 Acenaphthene	153	8.535	8.535	0.0	93	2035418	14.5	
109 2,4-Dinitrophenol	184	8.541	8.535	0.006	76	743918	30.2	
111 4-Nitrophenol	109	8.567	8.562	0.005	91	349036	16.1	
112 2,4-Dinitrotoluene	165	8.648	8.648	0.0	90	689685	14.6	
114 Dibenzofuran	168	8.680	8.680	0.0	85	3073293	14.8	
115 2,3,5,6-Tetrachlorophenol	232	8.738	8.733	0.005	88	614787	16.1	
119 Diethyl phthalate	149	8.840	8.840	0.0	97	2343096	14.9	
121 4-Chlorophenyl phenyl ether	204	8.958	8.958	0.0	90	1162318	14.7	
123 4-Nitroaniline	138	8.968	8.969	-0.001	62	601597	14.5	
124 Fluorene	166	8.968	8.969	-0.001	82	2470279	14.8	
126 4,6-Dinitro-2-methylphenol	198	8.990	8.990	0.0	83	443519	14.6	
130 N-Nitrosodiphenylamine	169	9.054	9.049	0.005	0	1828202	15.0	
129 1,2-Diphenylhydrazine	77	9.091	9.092	-0.001	0	2591614	15.0	
131 Azobenzene	77	9.091	9.092	-0.001	98	2591614	15.0	
137 4-Bromophenyl phenyl ether	248	9.375	9.375	0.0	62	674593	14.9	
139 Hexachlorobenzene	284	9.434	9.434	0.0	87	662379	14.2	
140 Atrazine	200	9.487	9.482	0.005	91	498220	15.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.594	9.594	0.0	86	955144	29.7	
146 Phenanthrene	178	9.787	9.787	0.0	97	3476136	14.4	
147 Anthracene	178	9.830	9.830	0.0	97	3680078	15.3	
149 Carbazole	167	9.953	9.953	0.0	81	3568538	15.3	
151 Di-n-butyl phthalate	149	10.215	10.215	0.0	100	4070394	15.5	
157 Fluoranthene	202	10.798	10.792	0.006	96	4122306	15.4	
158 Benzidine	184	10.889	10.894	-0.005	99	2388297	14.7	
160 Pyrene	202	11.001	11.001	0.0	96	4348537	15.0	
166 Butyl benzyl phthalate	149	11.595	11.595	0.0	98	1768738	14.5	
170 3,3'-Dimethoxybenzidine	244	12.199	12.194	0.005	91	973101	14.8	
173 3,3'-Dichlorobenzidine	252	12.242	12.237	0.005	60	1489461	14.6	
172 4,4'-Methylene bis(2-chloroanili	231	12.242	12.237	0.005	68	692599	14.7	
171 Bis(2-ethylhexyl) phthalate	149	12.269	12.263	0.006	96	2497259	14.5	
175 Benzo[a]anthracene	228	12.290	12.290	0.0	94	3764867	14.9	
176 Chrysene	228	12.338	12.338	0.0	95	3527188	14.6	
178 Di-n-octyl phthalate	149	13.172	13.167	0.005	99	4101786	14.7	
180 Benzo[b]fluoranthene	252	13.788	13.788	0.0	92	3799785	16.1	
181 Benzo[k]fluoranthene	252	13.830	13.825	0.005	99	4057783	15.9	
182 Benzo[a]pyrene	252	14.285	14.280	0.005	73	3697959	14.8	
186 Indeno[1,2,3-cd]pyrene	276	16.018	16.007	0.011	94	4034138	14.8	
187 Dibenz(a,h)anthracene	278	16.045	16.040	0.005	79	3427896	14.8	
188 Benzo[g,h,i]perylene	276	16.457	16.446	0.011	94	3417401	16.2	
S 189 Methyl Phenols,Total	100				0		14.8	

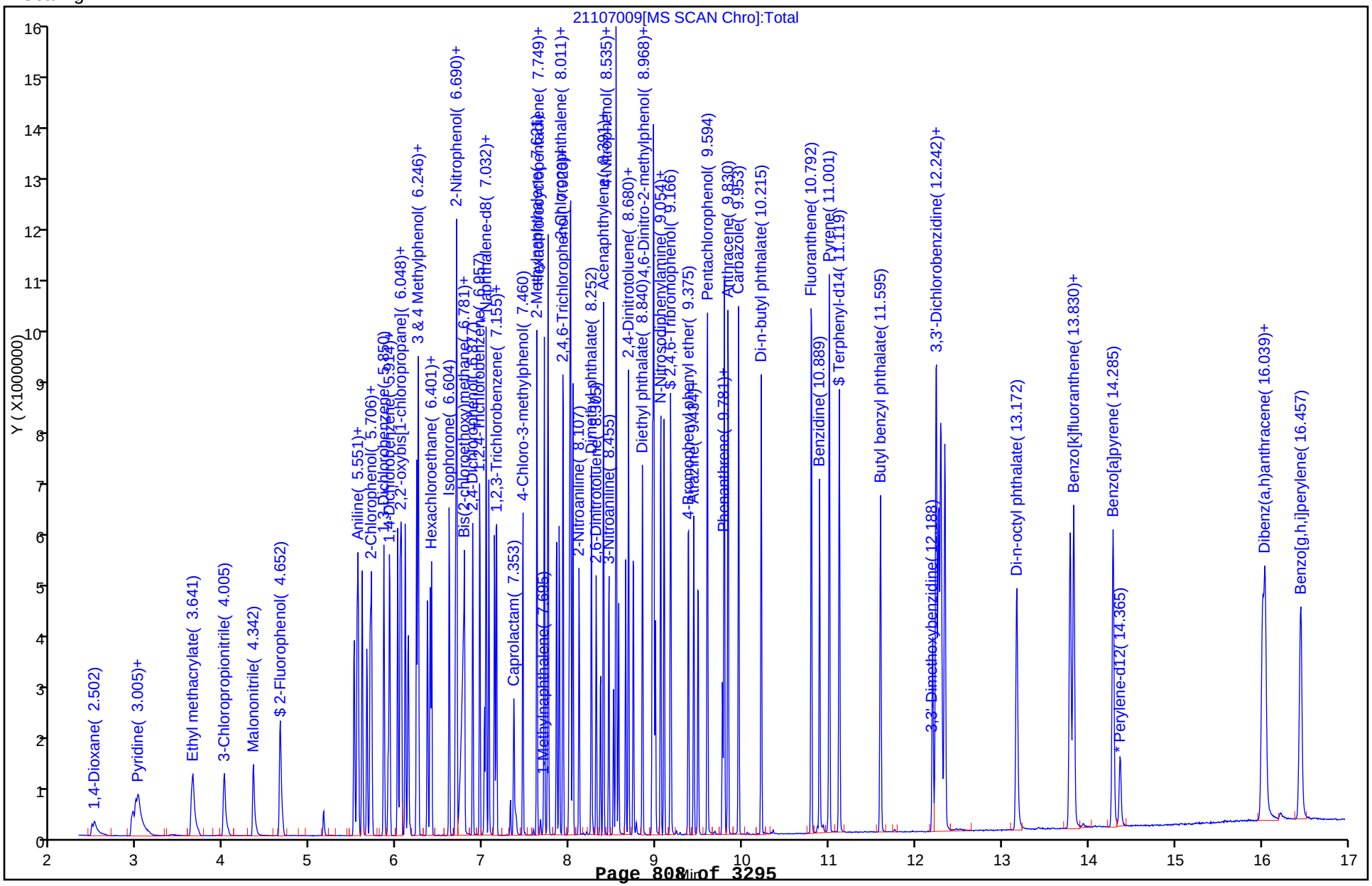
Report Date: 08-Nov-2012 13:38:15 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107009.D

Injection Date:	07-Nov-2012 14:28:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	64102	Lims Sample ID:	9
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107010.D		
Lims ID:	std6 tcl	Client ID:	
Inject. Date:	07-Nov-2012 14:51:30	Dil. Factor:	1.0000
Sample Type:	ICIS	Calib Level:	6
Sample ID:	240-0014744-010		
Misc. Info.:	std6 tcl		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	10
Lims Batch ID:	64102	Lims Sample ID:	10
Sublist:	chrom-8270_hp7*sub15		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\8270_hp7.m		
Last Update:	08-Nov-2012 13:38:16	Calib Date:	07-Nov-2012 14:51:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK004		
First Level Reviewer: gruberj		Date:	07-Nov-2012 15:23:31

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.898	5.898	0.0	96	226874	4.00	
* 2 Naphthalene-d8	136	7.016	7.016	0.0	99	879477	4.00	
* 3 Acenaphthene-d10	164	8.509	8.509	0.0	93	492418	4.00	
* 4 Phenanthrene-d10	188	9.766	9.766	0.0	98	835794	4.00	
* 5 Chrysene-d12	240	12.301	12.301	0.0	77	860001	4.00	
* 6 Perylene-d12	264	14.365	14.365	0.0	96	705582	4.00	
$ 7 2-Fluorophenol	112	4.652	4.652	0.0	93	703304	10.0	
$ 8 Phenol-d5	99	5.540	5.540	0.0	83	897045	10.1	
$ 9 Nitrobenzene-d5	82	6.385	6.385	0.0	86	788287	10.2	
$ 10 2-Fluorobiphenyl (Surr)	172	7.920	7.920	0.0	100	1612497	10.1	
$ 11 2,4,6-Tribromophenol	330	9.172	9.172	0.0	92	211519	10.4	
$ 12 Terphenyl-d14	244	11.119	11.119	0.0	98	1624778	10.2	
24 1,4-Dioxane	88	2.502	2.502	0.0	96	289158	11.0	M
25 N-Nitrosodimethylamine	74	2.946	2.946	0.0	91	423432	9.36	
26 Pyridine	79	3.005	3.005	0.0	96	794755	10.5	
27 Ethyl methacrylate	69	3.641	3.641	0.0	91	626893	10.0	
28 3-Chloropropionitrile	54	4.005	4.005	0.0	87	453140	10.8	
32 Malononitrile	66	4.342	4.342	0.0	98	857909	10.9	
40 Benzaldehyde	77	5.508	5.508	0.0	90	555643	9.39	
41 Phenol	94	5.551	5.551	0.0	99	962001	10.1	
43 Aniline	93	5.599	5.599	0.0	97	1186890	10.0	
44 Bis(2-chloroethyl)ether	93	5.652	5.652	0.0	95	738530	10.1	
46 2-Chlorophenol	128	5.706	5.706	0.0	97	769809	10.0	
47 1,3-Dichlorobenzene	146	5.850	5.850	0.0	97	833741	10.1	
48 1,4-Dichlorobenzene	146	5.915	5.915	0.0	92	816468	9.94	
49 Benzyl alcohol	108	6.011	6.011	0.0	92	485275	10.3	
50 1,2-Dichlorobenzene	146	6.054	6.054	0.0	95	777307	9.93	
51 2-Methylphenol	108	6.096	6.096	0.0	95	707992	10.2	
52 2,2'-oxybis[1-chloropropane]	45	6.134	6.134	0.0	92	1057806	9.83	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
191 3 & 4 Methylphenol	108	6.230	6.230	0.0	97	738384	10.2	
56 N-Nitrosodi-n-propylamine	70	6.246	6.246	0.0	84	524618	10.2	
57 Acetophenone	105	6.251	6.251	0.0	91	1013196	9.88	
60 Hexachloroethane	117	6.353	6.353	0.0	94	329140	9.86	
61 Nitrobenzene	77	6.401	6.401	0.0	83	818068	10.2	
63 Isophorone	82	6.605	6.605	0.0	97	1423776	10.1	
65 2-Nitrophenol	139	6.679	6.679	0.0	93	405972	10.8	
66 1,3,5-Trichlorobenzene	180	6.690	6.690	0.0	91	695736	9.98	
64 2,4-Dimethylphenol	107	6.695	6.695	0.0	92	748351	10.1	
69 Benzoic acid	122	6.760	6.760	0.0	85	941901	19.3	
68 Bis(2-chloroethoxy)methane	93	6.781	6.781	0.0	99	884059	9.92	
71 2,4-Dichlorophenol	162	6.877	6.877	0.0	96	596606	10.2	
72 1,2,4-Trichlorobenzene	180	6.958	6.958	0.0	93	688485	9.88	
73 Naphthalene	128	7.032	7.032	0.0	97	2202898	10.0	
74 4-Chloroaniline	127	7.064	7.064	0.0	85	951670	10.2	
77 Hexachlorobutadiene	225	7.129	7.129	0.0	93	378760	10.0	
78 1,2,3-Trichlorobenzene	180	7.150	7.150	0.0	92	649132	0	
83 Caprolactam	113	7.348	7.348	0.0	76	203996	9.14	
84 4-Chloro-3-methylphenol	107	7.455	7.455	0.0	96	636751	10.1	
85 2-Methylnaphthalene	142	7.621	7.621	0.0	90	1410272	10.0	
86 1-Methylnaphthalene	142	7.706	7.706	0.0	90	1345567	10.1	
87 1,2,3,5-Tetrachlorobenzene	216	7.749	7.749	0.0	92	661897	9.89	
88 Hexachlorocyclopentadiene	237	7.749	7.749	0.0	87	408777	10.2	
90 2,4,6-Trichlorophenol	196	7.845	7.845	0.0	94	438732	10.6	
91 2,4,5-Trichlorophenol	196	7.877	7.877	0.0	95	472532	10.6	
94 2,4-Toluene diamine	121	7.990	7.990	0.0	98	448465	10.0	
96 1,2,3,4 -Tetrachlorobenzene	216	8.001	8.001	0.0	95	650547	0	
95 1,1'-Biphenyl	154	8.011	8.011	0.0	94	1719982	9.89	
98 2-Chloronaphthalene	162	8.038	8.038	0.0	96	1374271	10.1	
100 2-Nitroaniline	65	8.107	8.107	0.0	82	429808	10.8	
103 Dimethyl phthalate	163	8.252	8.252	0.0	99	1475655	10.2	
105 2,6-Dinitrotoluene	165	8.305	8.305	0.0	94	334247	10.1	
106 1,2-Dinitrobenzene	168	8.354	8.354	0.0	88	169862	10.6	
107 Acenaphthylene	152	8.391	8.391	0.0	95	2313540	10.3	
108 3-Nitroaniline	138	8.450	8.450	0.0	94	394571	10.9	
110 Acenaphthene	153	8.535	8.535	0.0	90	1361892	10.1	
109 2,4-Dinitrophenol	184	8.535	8.535	0.0	70	434552	19.1	
111 4-Nitrophenol	109	8.562	8.562	0.0	91	226043	10.8	
112 2,4-Dinitrotoluene	165	8.648	8.648	0.0	90	444005	9.92	
114 Dibenzofuran	168	8.680	8.680	0.0	88	1991799	9.94	
115 2,3,5,6-Tetrachlorophenol	232	8.733	8.733	0.0	88	396818	10.8	
119 Diethyl phthalate	149	8.840	8.840	0.0	97	1513449	10.0	
121 4-Chlorophenyl phenyl ether	204	8.958	8.958	0.0	91	782567	10.3	
123 4-Nitroaniline	138	8.969	8.969	0.0	82	389910	9.83	
124 Fluorene	166	8.969	8.969	0.0	83	1639050	10.2	
126 4,6-Dinitro-2-methylphenol	198	8.990	8.990	0.0	83	278233	10.1	
130 N-Nitrosodiphenylamine	169	9.049	9.049	0.0	0	1196917	10.4	
129 1,2-Diphenylhydrazine	77	9.092	9.092	0.0	0	1667611	10.3	
131 Azobenzene	77	9.092	9.092	0.0	99	1667682	10.3	
137 4-Bromophenyl phenyl ether	248	9.375	9.375	0.0	61	439508	10.3	
139 Hexachlorobenzene	284	9.434	9.434	0.0	86	438431	9.99	
140 Atrazine	200	9.482	9.482	0.0	90	341754	10.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.594	9.594	0.0	87	598614	20.1	
146 Phenanthrene	178	9.787	9.787	0.0	97	2260189	9.90	
147 Anthracene	178	9.830	9.830	0.0	97	2353100	10.4	
149 Carbazole	167	9.953	9.953	0.0	82	2277045	10.3	
151 Di-n-butyl phthalate	149	10.215	10.215	0.0	100	2651212	10.7	
157 Fluoranthene	202	10.792	10.792	0.0	97	2660336	10.5	
158 Benzidine	184	10.889	10.889	0.0	99	1469820	9.93	
160 Pyrene	202	11.001	11.001	0.0	96	2816771	10.3	
166 Butyl benzyl phthalate	149	11.595	11.595	0.0	97	1133141	10.0	
170 3,3'-Dimethoxybenzidine	244	12.194	12.194	0.0	89	579861	9.78	
173 3,3'-Dichlorobenzidine	252	12.237	12.237	0.0	62	969006	10.1	
172 4,4'-Methylene bis(2-chloroanili	231	12.237	12.237	0.0	70	443048	10.1	
171 Bis(2-ethylhexyl) phthalate	149	12.263	12.263	0.0	96	1589061	9.91	
175 Benzo[a]anthracene	228	12.290	12.290	0.0	95	2409756	10.0	
176 Chrysene	228	12.338	12.338	0.0	93	2308021	10.1	
178 Di-n-octyl phthalate	149	13.167	13.167	0.0	99	2499506	9.75	
180 Benzo[b]fluoranthene	252	13.788	13.788	0.0	88	2379256	10.6	
181 Benzo[k]fluoranthene	252	13.825	13.825	0.0	99	2696900	11.0	
182 Benzo[a]pyrene	252	14.280	14.280	0.0	77	2370709	10.1	
186 Indeno[1,2,3-cd]pyrene	276	16.007	16.007	0.0	94	2551684	9.97	
187 Dibenz(a,h)anthracene	278	16.040	16.040	0.0	70	2196359	10.1	
188 Benzo[g,h,i]perylene	276	16.446	16.446	0.0	93	2207668	10.9	
S 189 Methyl Phenols,Total	100				0		10.2	

QC Flag Legend

Review Flags
M - Manually Integrated

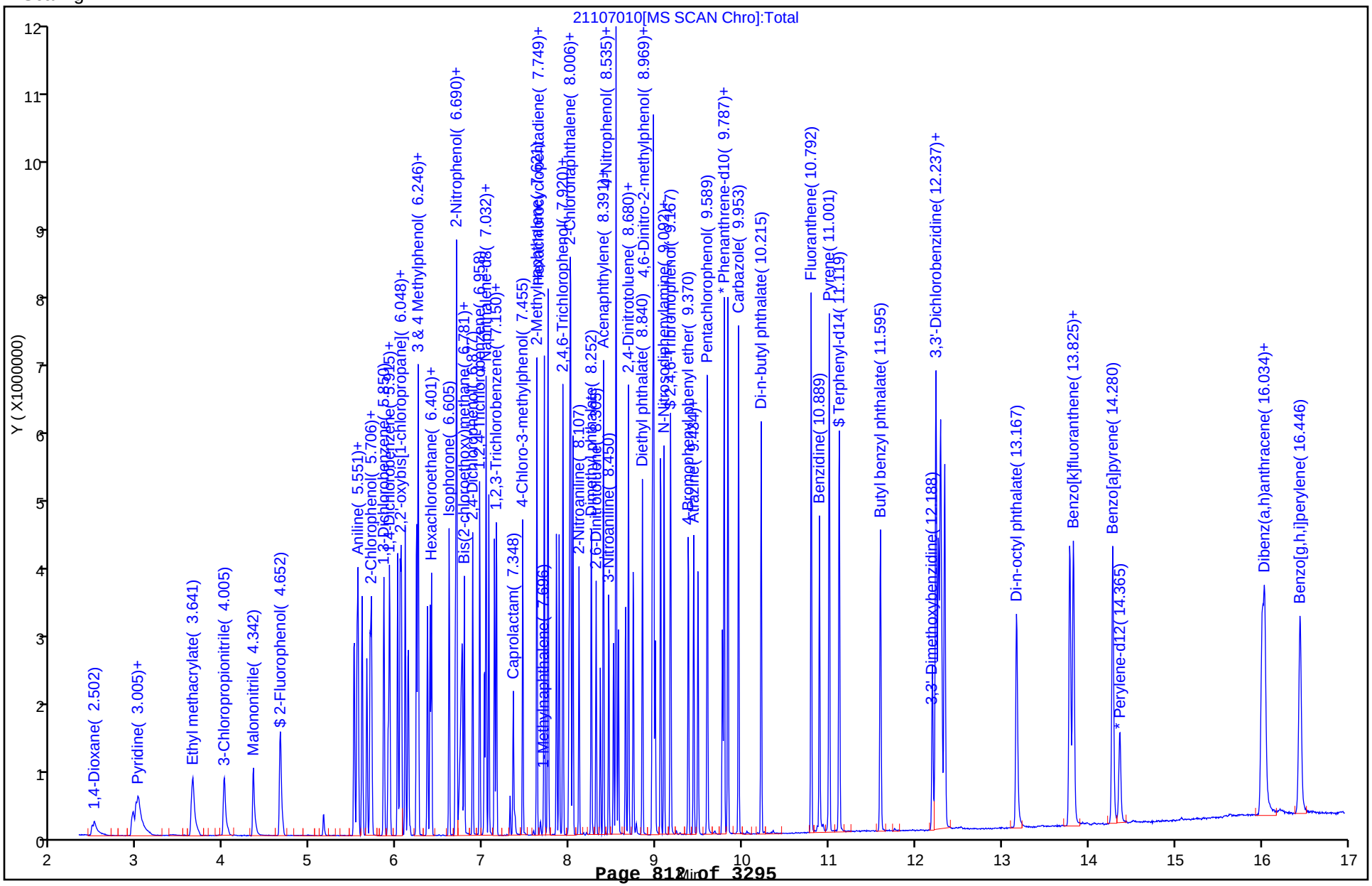
Report Date: 08-Nov-2012 13:38:17 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107010.D

Injection Date:	07-Nov-2012 14:51:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	64102	Lims Sample ID:	10
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

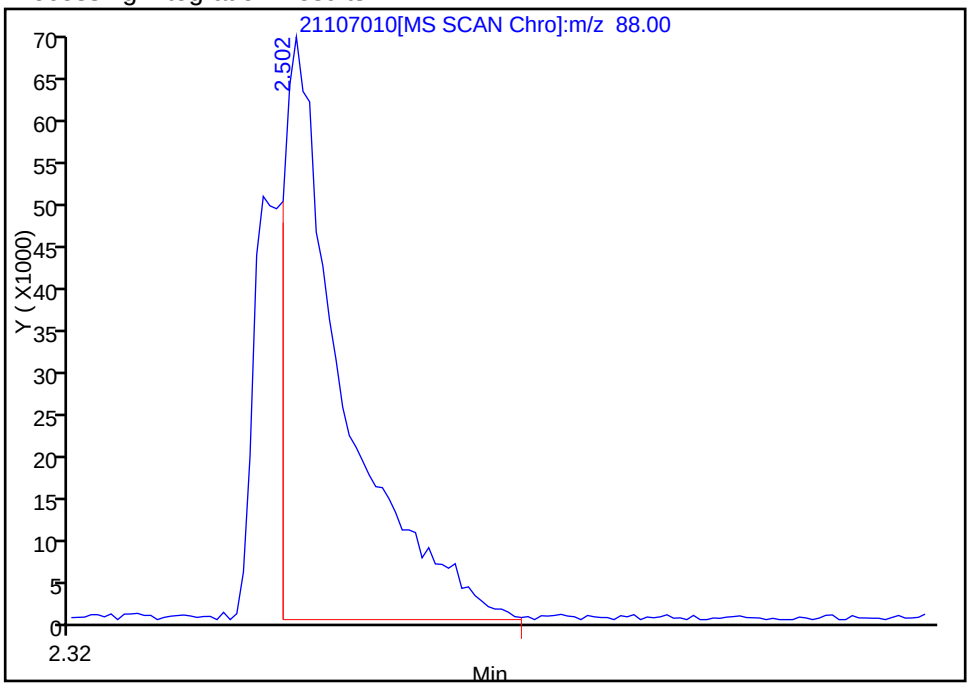
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107010.D		
Injection Date:	07-Nov-2012 14:51:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	64102	Lims Sample ID:	10
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

24 1,4-Dioxane, Signal: 1, m/z: 88.0 Type: quant, RT: 2.50

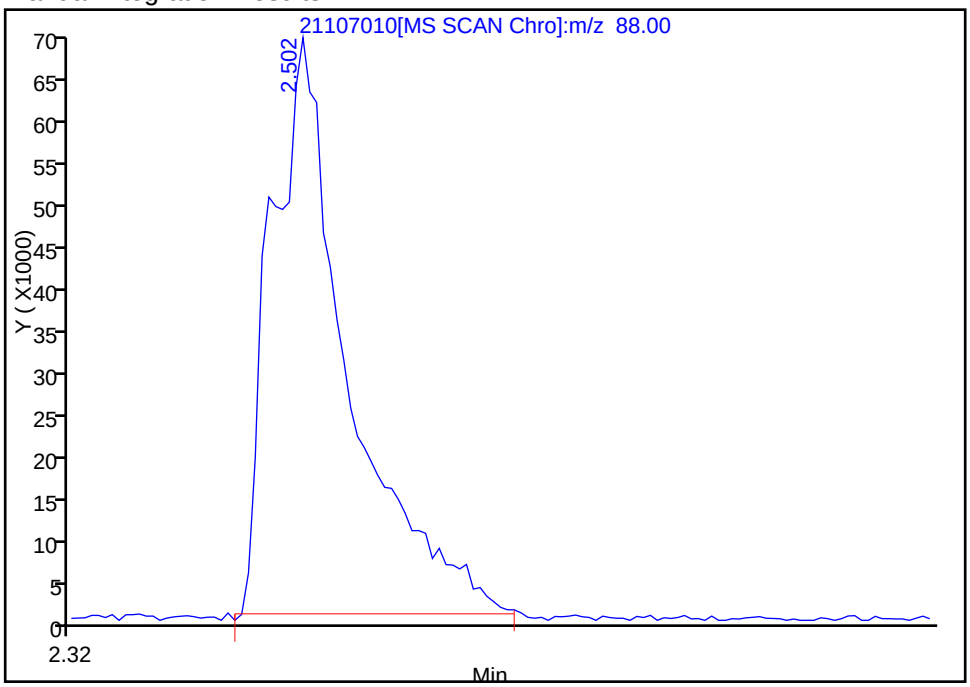
Processing Integration Results

RT: 2.50
Response: 230149
Amount: 8.993336



Manual Integration Results

RT: 2.50
Response: 289158
Amount: 10.982627



Reviewer: gruberj, 07-Nov-2012 15:23:31
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 69820

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2012 13:40 Calibration End Date: 12/21/2012 16:59 Calibration ID: 12956

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-69820/6	21221006.D
Level 2	STD2 240-69820/5	21221005.D
Level 3	STD3 240-69820/4	21221004.D
Level 4	STD4 240-69820/3	21221003.D
Level 5	STD5 240-69820/2	21221002.D
Level 6	STD6 240-69820/10	21221010.D
Level 7	STD7 240-69820/9	21221009.D
Level 8	STD8 240-69820/8	21221008.D
Level 9	STD9 240-69820/7	21221007.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,4-Dioxane	0.7199	0.6194 0.7161	0.6956 0.7285	0.6717 0.7376	0.6896	Ave		0.6973			0.0500	5.5		15.0			
N-Nitrosodimethylamine	1.1106	0.9350 1.0982	1.1212 1.1408	0.8889 1.1181	1.0442	Ave		1.0571			0.0500	9.0		15.0			
Pyridine	1.8572	1.7004 1.9413	1.8856 1.9822	1.8117 1.9950	1.8900	Ave		1.8829			0.0500	5.1		15.0			
Ethyl methacrylate	1.6079	1.6038 1.6527	1.5909 1.7196	1.5053 1.7116	1.5868	Ave		1.6223			0.0500	4.3		15.0			
3-Chloropropionitrile	0.9372	0.8269 0.9518	0.8741 0.9795	0.8442 0.9712	0.9307	Ave		0.9144			0.0500	6.4		15.0			
Malononitrile	2.2229	1.6851 2.2604	1.8325 2.3445	1.8759 2.3764	2.0829	Ave		2.0851			0.0500	12.0		15.0			
Benzaldehyde	+++++ 1.7705	1.7380 1.6915	1.9348 1.5412	1.9562 1.3688	1.9283	Ave		1.7412			0.0500	12.0		15.0			
Phenol	2.2441	2.1012 2.2393	2.1210 2.3516	2.1328 2.3866	2.2423	Ave		2.2274			0.0500	4.7		15.0			
Aniline	2.7766	2.4910 2.8520	2.6599 2.9296	2.5753 3.0412	2.8315	Ave		2.7696			0.0500	6.6		15.0			
Bis(2-chloroethyl)ether	2.0907	2.0627 2.1188	2.0580 2.1837	1.9895 2.2913	2.1150	Ave		2.1137			0.0500	4.3		15.0			
2-Chlorophenol	1.3410	1.1039 1.3581	1.4268 1.4534	1.2518 1.4847	1.3281	Ave		1.3435			0.0500	9.1		15.0			
1,3-Dichlorobenzene	1.6499	1.8205 1.6909	1.7696 1.7898	1.5868 1.8277	1.7556	Ave		1.7364			0.0500	4.9		15.0			
Benzoic acid	0.2252	+++++ 0.2409	0.1374 0.2667	0.1839 0.2639	0.2200	Qua	-0.191	0.2237	0.0010		0.0500				0.9980		0.9950

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 69820

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2012 13:40 Calibration End Date: 12/21/2012 16:59 Calibration ID: 12956

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,4-Dichlorobenzene	1.3770	1.3400 1.3928	1.4523 1.4775	1.2609 1.5245	1.4586	Ave		1.4105			0.0500	6.0		15.0			
Benzyl alcohol	0.9969	0.9052 1.0344	0.9139 1.0465	0.9335 1.0815	1.0108	Ave		0.9903			0.0500	6.6		15.0			
1,2-Dichlorobenzene	1.6185	1.6286 1.6389	1.7737 1.7452	1.6449 1.7537	1.6692	Ave		1.6841			0.0500	3.7		15.0			
2-Methylphenol	1.4919	1.2107 1.4931	1.4992 1.5446	1.3385 1.6063	1.5022	Ave		1.4608			0.0500	8.6		15.0			
bis (2-chloroisopropyl) ether	2.0362	2.1559 2.1461	2.1561 2.1870	1.9447 2.2832	2.0948	Ave		2.1255			0.0500	4.8		15.0			
3 & 4 Methylphenol	1.5642	1.2063 1.6421	1.4848 1.6520	1.3959 1.7107	1.5963	Ave		1.5315			0.0500	11.0		15.0			
N-Nitrosodi-n-propylamine	1.4156	1.0655 1.4357	1.3852 1.5267	1.2486 1.5369	1.4246	Ave		1.3798			0.0500	11.0		15.0			
Acetophenone	2.2701	1.8789 2.2735	2.3082 2.3504	2.0929 2.4663	2.2529	Ave		2.2367			0.0500	8.0		15.0			
Hexachloroethane	0.7819	0.6930 0.7722	0.6271 0.7957	0.6856 0.8214	0.7532	Ave		0.7413			0.0500	8.9		15.0			
Nitrobenzene	0.6162	0.5874 0.6513	0.6285 0.7085	0.6084 0.7022	0.6325	Ave		0.6419			0.0500	6.8		15.0			
Isophorone	0.9487	0.8897 1.0368	0.9170 1.0953	0.8842 1.1158	0.9614	Ave		0.9811			0.0500	9.2		15.0			
2-Nitrophenol	0.1692	0.1207 0.1747	0.1405 0.1977	0.1423 0.1936	0.1759	Qua	-0.025	0.1623	0.0014		0.0500				0.9980		0.9950
1,3,5-Trichlorobenzene	0.3558	0.4274 0.3885	0.3886 0.4035	0.3466 0.4076	0.4051	Ave		0.3904			0.0500	7.0		15.0			
2,4-Dimethylphenol	0.4160	0.3608 0.4398	0.4240 0.4759	0.3974 0.4748	0.4180	Ave		0.4258			0.0500	9.0		15.0			
Bis(2-chloroethoxy)methane	0.6311	0.6785 0.6840	0.6427 0.7326	0.5668 0.7375	0.6497	Ave		0.6654			0.0500	8.4		15.0			
2,4-Dichlorophenol	0.2633	0.2258 0.2793	0.2262 0.2922	0.2461 0.2793	0.2666	Ave		0.2599			0.0500	9.6		15.0			
1,2,4-Trichlorobenzene	0.3670	0.3968 0.3749	0.3701 0.3940	0.3816 0.3944	0.3726	Ave		0.3814			0.0500	3.2		15.0			
Naphthalene	1.0321 1.0053	0.9967 1.0726	1.0424 1.1549	0.9671 1.1907	1.0182	Ave		1.0534			0.0500	7.1		15.0			
4-Chloroaniline	0.4233	0.3483 0.4502	0.3835 0.4735	0.3958 0.4691	0.4193	Ave		0.4204			0.0500	10.0		15.0			
Hexachlorobutadiene	0.2012	0.2321 0.2099	0.2060 0.2208	0.2029 0.2214	0.2006	Ave		0.2118			0.0500	5.5		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 69820

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2012 13:40 Calibration End Date: 12/21/2012 16:59 Calibration ID: 12956

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,2-Dinitrobenzene	0.1633	+++++ 0.1731	0.1272 0.1827	0.1610 0.1772	0.1563	Ave		0.1630			0.0500	11.0		15.0			
Caprolactam	0.1168	0.0789 0.1174	0.0917 0.1253	0.0922 0.1174	0.1264	Qua	-0.039	0.1272	0		0.0500				0.9980		0.9950
4-Chloro-3-methylphenol	0.3570	0.2893 0.3725	0.3250 0.3998	0.3069 0.4051	0.3510	Ave		0.3508			0.0500	12.0		15.0			
2,4-Dinitrophenol	0.1917	+++++ 0.2020	0.0963 0.2076	0.1123 0.2178	0.1487	Qua	-0.291	0.1883	0.0007		0.0500				0.9990		0.9950
2-Methylnaphthalene	0.7791 0.6475	0.7054 0.7006	0.6691 0.7288	0.6360 0.7482	0.6458	Ave		0.6956			0.0500	7.2		15.0			
2,3,5,6-Tetrachlorophenol	0.3169	+++++ 0.3270	0.3009 0.3356	0.2471 0.3359	0.2992	Ave		0.3089			0.0500	10.0		15.0			
1-Methylnaphthalene	0.7916 0.6174	0.5899 0.6526	0.6264 0.6941	0.5876 0.6976	0.6192	Ave		0.6529			0.0500	10.0		15.0			
1,2,3,5-Tetrachlorobenzene	0.6619	0.7001 0.6468	0.6758 0.6913	0.6018 0.6944	0.6321	Ave		0.6630			0.0500	5.2		15.0			
Hexachlorocyclopentadiene	0.3869	0.3755 0.4174	0.3474 0.4421	0.3231 0.4434	0.3771	Ave		0.3891			0.0500	11.0		15.0			
2,4,6-Trichlorophenol	0.3390	0.2937 0.3426	0.3474 0.3515	0.3099 0.3602	0.3389	Ave		0.3354			0.0500	6.7		15.0			
4,6-Dinitro-2-methylphenol	0.1268	+++++ 0.1292	0.0705 0.1455	0.0798 0.1400	0.1128	Qua	-0.094	0.1316	0.0006		0.0500				0.9970		0.9950
2,4,5-Trichlorophenol	0.3661	0.3116 0.3787	0.3311 0.3928	0.3442 0.3901	0.3614	Ave		0.3595			0.0500	8.0		15.0			
2,4-Toluene diamine	0.1796	0.2155 0.1730	0.2254 0.1796	0.2002 0.1956	0.1956	Ave		0.1956			0.0500	9.3		15.0			
1,1'-Biphenyl	1.9966 1.4548	1.3817 1.4793	1.3360 1.5671	1.2790 1.5921	1.3867	Ave		1.4970			0.0500	14.0		15.0			
2-Chloronaphthalene	1.5837 1.2807	1.2394 1.3017	1.2577 1.3587	1.1804 1.3771	1.2576	Ave		1.3152			0.0500	8.9		15.0			
2-Nitroaniline	0.4437	0.3072 0.4591	0.3355 0.4782	0.3655 0.4880	0.4419	Qua	-0.085	0.4308	0.0025		0.0500				1.0000		0.9950
Dimethyl phthalate	1.1919	1.0490 1.2410	1.1302 1.2829	1.0600 1.3226	1.1859	Ave		1.1829			0.0500	8.4		15.0			
2,6-Dinitrotoluene	0.3238	0.1821 0.3412	0.2560 0.3456	0.2770 0.3489	0.2861	Qua	-0.109	0.3262	0.0011		0.0500				1.0000		0.9950
Acenaphthylene	2.2980 1.8449	1.6289 1.9678	1.7956 2.0856	1.5342 2.0806	1.8214	Ave		1.8952			0.0500	13.0		15.0			
3-Nitroaniline	0.3030	0.1977 0.3117	0.2479 0.3246	0.2687 0.3230	0.2895	Ave		0.2833			0.0500	15.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 69820

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2012 13:40 Calibration End Date: 12/21/2012 16:59 Calibration ID: 12956

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Acenaphthene	1.6408 1.1602	1.1158 1.1843	1.1236 1.2268	1.0355 1.2581	1.1242	Ave		1.2077			0.0500	15.0		15.0			
4-Nitrophenol	0.2162	0.1500 0.2210	0.1682 0.2245	0.1646 0.2313	0.1968	Qua	-0.057	0.2096	0.0009		0.0500				1.0000		0.9950
2,4-Dinitrotoluene	0.4360	0.2826 0.4351	0.3415 0.4603	0.3553 0.4697	0.3941	Qua	-0.087	0.4090	0.0026		0.0500				1.0000		0.9950
Dibenzofuran	2.1217 1.6007	1.5891 1.6717	1.6109 1.7116	1.4500 1.8220	1.5766	Ave		1.6838			0.0500	11.0		15.0			
Diethyl phthalate	1.2834	1.1600 1.3341	1.1871 1.4018	1.1032 1.4144	1.2419	Ave		1.2657			0.0500	9.0		15.0			
4-Chlorophenyl phenyl ether	0.7722	0.8132 0.8085	0.7966 0.8410	0.7089 0.8400	0.7777	Ave		0.7948			0.0500	5.4		15.0			
4-Nitroaniline	0.3317	0.1951 0.3500	0.2434 0.3558	0.2413 0.3586	0.3211	Qua	-0.126	0.3407	0.0010		0.0500				1.0000		0.9950
Fluorene	1.4220 1.2414	1.2100 1.2975	1.2542 1.3649	1.1425 1.3819	1.2316	Ave		1.2829			0.0500	7.1		15.0			
N-Nitrosodiphenylamine	0.5425	0.5162 0.5675	0.5232 0.6135	0.5119 0.5971	0.5361	Ave		0.5510			0.0500	6.9		15.0			
1,2-Diphenylhydrazine(as Azobenzene)	1.0983	0.9181 1.1824	1.0730 1.3140	1.0157 1.2868	1.0929	Ave		1.1227			0.0500	12.0		15.0			
Azobenzene	1.0983	0.9181 1.1824	1.0730 1.3140	1.0157 1.2868	1.0929	Ave		1.1227			0.0500	12.0		15.0			
4-Bromophenyl phenyl ether	0.2409	0.2237 0.2357	0.2477 0.2588	0.2293 0.2452	0.2340	Ave		0.2394			0.0500	4.7		15.0			
Hexachlorobenzene	0.2996 0.2145	0.2358 0.2220	0.2098 0.2399	0.2140 0.2231	0.2144	Ave		0.2304			0.0500	12.0		15.0			
Atrazine	0.1492	0.1299 0.1492	0.1622 0.1516	0.1666 0.1373	0.1639	Ave		0.1512			0.0500	8.6		15.0			
Pentachlorophenol	0.1454	0.0860 0.1440	0.1148 0.1569	0.1225 0.1477	0.1379	Qua	-0.101	0.1518	0		0.0500				0.9980		0.9950
Phenanthrene	1.4943 1.0263	1.0115 1.0883	1.0460 1.1795	0.9645 1.1628	1.0320	Ave		1.1117			0.0500	14.0		15.0			
Anthracene	1.1503 1.0879	0.9883 1.1328	0.9887 1.2455	0.9923 1.2137	1.0801	Ave		1.0977			0.0500	8.8		15.0			
Carbazole	0.9780	0.8116 1.0677	0.9418 1.1690	0.9365 1.1432	1.0151	Ave		1.0078			0.0500	12.0		15.0			
Di-n-butyl phthalate	1.2351	0.9893 1.3467	1.0482 1.4776	1.1148 1.4566	1.2756	Ave		1.2430			0.0500	15.0		15.0			
3,3'-Dimethoxybenzidine	0.2536	+++++ 0.3105	0.1557 0.3339	0.2169 0.3236	0.2738	Qua	-0.170	0.2843	0.0021		0.0500				0.9950		0.9950

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 69820

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2012 13:40 Calibration End Date: 12/21/2012 16:59 Calibration ID: 12956

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Fluoranthene	1.2224 1.2099	1.1029 1.2816	1.0839 1.4151	1.1439 1.3903	1.1838	Ave		1.2260			0.0500	9.6		15.0			
Benzidine	 0.4709	0.2774 0.5415	0.2645 0.5717	0.3803 0.5313	0.4835	Qua	-0.309	0.5498	0.0003		0.0500				0.9960		0.9950
Pyrene	1.6119 1.2665	1.1248 1.3306	1.1144 1.4288	1.1596 1.4157	1.2594	Ave		1.3013			0.0500	13.0		15.0			
Butyl benzyl phthalate	 0.5169	0.3767 0.5443	0.4379 0.5891	0.4588 0.5657	0.5499	Ave		0.5049			0.0500	15.0		15.0			
3,3'-Dichlorobenzidine	 0.4166	0.2913 0.4527	0.3587 0.4670	0.3868 0.4609	0.4246	Ave		0.4073			0.0500	15.0		15.0			
4,4'-Methylene bis(2-chloroaniline)	 0.2190	0.1399 0.2352	0.1516 0.2382	0.1867 0.2354	0.2225	Qua	-0.079	0.2337	0.0003		0.0500				0.9990		0.9950
Bis(2-ethylhexyl) phthalate	 0.7394	0.5914 0.8067	0.6035 0.8560	0.6823 0.8402	0.7656	Ave		0.7356			0.0500	14.0		15.0			
Benzo[a]anthracene	1.7135 1.1273	1.0435 1.2198	1.0665 1.2586	1.0705 1.2442	1.1481	Qua	-0.091	1.1420	0.0047		0.0500				0.9990		0.9950
Chrysene	1.5029 1.0644	1.0427 1.1164	1.0323 1.1458	0.9831 1.1323	1.0621	Ave		1.1202			0.0500	14.0		15.0			
Di-n-octyl phthalate	 1.4946	0.8951 1.6567	1.1413 1.7680	1.2406 1.7879	1.5264	Qua	-0.385	1.4681	0.0140		0.0500				0.9990		0.9950
Benzo[b]fluoranthene	1.6889 1.2818	1.0937 1.3805	1.2378 1.4153	1.1093 1.4629	1.3353	Ave		1.3339			0.0500	14.0		15.0			
Benzo[k]fluoranthene	1.2983 1.3606	1.1185 1.4955	1.2460 1.5226	1.3119 1.4871	1.3566	Ave		1.3552			0.0500	9.7		15.0			
Benzo[a]pyrene	1.2101 1.2304	0.9917 1.3135	1.1199 1.3801	1.1142 1.3820	1.1764	Ave		1.2132			0.0500	11.0		15.0			
Indeno[1,2,3-cd]pyrene	1.5127 1.3223	1.1373 1.4355	1.1313 1.4945	1.2372 1.4858	1.3399	Ave		1.3441			0.0500	11.0		15.0			
Dibenz(a,h)anthracene	1.2843 1.0174	0.8231 1.1038	0.9148 1.1408	0.8945 1.1566	1.0238	Ave		1.0399			0.0500	14.0		15.0			
Benzo[g,h,i]perylene	1.6587 1.1280	0.9842 1.1889	0.9816 1.2282	0.9780 1.2427	1.0837	Qua	-0.111	1.0921	0.0065		0.0500				1.0000		0.9950
2-Fluorophenol (Surr)	 1.3868	1.2043 1.4017	1.2163 1.3971	1.2737 1.4665	1.3875	Ave		1.3418			0.0500	7.2		15.0			
Phenol-d5 (Surr)	 1.9595	1.8503 2.0182	1.8206 2.1155	1.8666 2.1585	2.0497	Ave		1.9799			0.0500	6.4		15.0			
Nitrobenzene-d5 (Surr)	0.6214 0.6063	0.4962 0.6686	0.5872 0.6855	0.5374 0.6837	0.6156	Ave		0.6113			0.0500	11.0		15.0			
2-Fluorobiphenyl (Surr)	1.9173 1.6058	1.4518 1.6355	1.4683 1.6851	1.4188 1.7397	1.5073	Ave		1.6033			0.0500	10.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 69820

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2012 13:40 Calibration End Date: 12/21/2012 16:59 Calibration ID: 12956

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2,4,6-Tribromophenol (Surr)	0.1420	0.1179 0.1484	0.1002 0.1472	0.1056 0.1563	0.1355	Qua	-0.030	0.1354	0.0008		0.0500				0.9990		0.9950
Terphenyl-d14 (Surr)	1.0608 0.8682	0.8800 0.9402	0.8154 0.9629	0.8237 0.9392	0.8611	Ave		0.9057			0.0500	8.6		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 69820

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2012 13:40 Calibration End Date: 12/21/2012 16:59 Calibration ID: 12956

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-69820/6	21221006.D
Level 2	STD2 240-69820/5	21221005.D
Level 3	STD3 240-69820/4	21221004.D
Level 4	STD4 240-69820/3	21221003.D
Level 5	STD5 240-69820/2	21221002.D
Level 6	STD6 240-69820/10	21221010.D
Level 7	STD7 240-69820/9	21221009.D
Level 8	STD8 240-69820/8	21221008.D
Level 9	STD9 240-69820/7	21221007.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,4-Dioxane	DCB	Ave	240201	10428 369225	20718 474891	40925 595300	97070	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
N-Nitrosodimethylamine	DCB	Ave	370524	15740 566250	33393 743709	54158 902333	146984	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Pyridine	DCB	Ave	619643	28625 1000968	56159 1292258	110383 1610046	266044	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Ethyl methacrylate	DCB	Ave	536459	27000 852150	47383 1121024	91716 1381282	223356	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
3-Chloropropionitrile	DCB	Ave	312672	13920 490777	26033 638544	51439 783792	131002	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Malononitrile	DCB	Ave	741659	28368 1165496	54576 1528417	114298 1917804	293193	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzaldehyde	DCB	Ave	+++++ 590718	29259 872171	57624 1004739	119187 1104640	271430	+++++ 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Phenol	DCB	Ave	748715	35372 1154616	63171 1533039	129951 1926082	315638	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Aniline	DCB	Ave	926371	41935 1470557	79221 1909818	156909 2454368	398576	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Bis(2-chloroethyl)ether	DCB	Ave	697550	34725 1092495	61293 1423582	121216 1849165	297711	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Chlorophenol	DCB	Ave	447396	18583 700276	42495 947480	76273 1198239	186940	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,3-Dichlorobenzene	DCB	Ave	550487	30648 871895	52704 1166827	96680 1475048	247122	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzoic acid	NPT	Qua	603895	+++++ 973141	31836 1340121	88203 1691814	244730	20.0	+++++ 30.0	2.00 40.0	4.00 50.0	10.0
1,4-Dichlorobenzene	DCB	Ave	459429	22558 718184	43253 963191	76824 1230355	205323	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 69820

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2012 13:40 Calibration End Date: 12/21/2012 16:59 Calibration ID: 12956

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Benzyl alcohol	DCB	Ave	332621	15239 533374	27218 682208	56875 872771	142276	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2-Dichlorobenzene	DCB	Ave	540011	27417 845041	52826 1137724	100222 1415252	234966	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Methylphenol	DCB	Ave	497774	20382 769882	44652 1006968	81551 1296374	211449	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
bis (2-chloroisopropyl) ether	DCB	Ave	679343	36294 1106597	64214 1425770	118489 1842592	294875	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
3 & 4 Methylphenol	DCB	Ave	521877	20307 846717	44221 1076994	85052 1380577	224694	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
N-Nitrosodi-n-propylamine	DCB	Ave	472315	17937 740260	41256 995266	76073 1240318	200536	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Acetophenone	DCB	Ave	757406	31630 1172265	68746 1532276	127519 1990411	317125	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachloroethane	DCB	Ave	260879	11667 398156	18676 518732	41771 662879	106028	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Nitrobenzene	NPT	Ave	826301	36988 1315388	72786 1780356	145866 2250637	351829	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Isophorone	NPT	Ave	1272292	56026 2093949	106201 2752245	212007 3576254	534790	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Nitrophenol	NPT	Qua	226900	7604 352910	16267 496848	34120 620475	97820	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,3,5-Trichlorobenzene	NPT	Ave	477195	26913 784545	45010 1013811	83093 1306530	225321	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dimethylphenol	NPT	Ave	557819	22722 888223	49105 1195924	95285 1521678	232527	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Bis(2-chloroethoxy)methane	NPT	Ave	846303	42725 1381309	74437 1840841	135906 2363730	361411	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dichlorophenol	NPT	Ave	353165	14221 564027	26196 734306	59004 895186	148283	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2,4-Trichlorobenzene	NPT	Ave	492123	24989 757121	42862 989972	91502 1264250	207269	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Naphthalene	NPT	Ave	12707 1348137	62769 2166110	120733 2901987	231889 3816568	566398	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Chloroaniline	NPT	Ave	567603	21935 909266	44417 1189897	94904 1503510	233258	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachlorobutadiene	NPT	Ave	269765	14617 423847	23855 554896	48637 709483	111564	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2-Dinitrobenzene	ANT	Ave	126941	+++++ 209765	8963 283688	23106 348343	51804	10.0	+++++ 15.0	1.00 20.0	2.00 25.0	5.00
Caprolactam	NPT	Qua	156616	4967 237062	10620 314945	22115 376412	70338	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 69820

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2012 13:40 Calibration End Date: 12/21/2012 16:59 Calibration ID: 12956

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
4-Chloro-3-methylphenol	NPT	Ave	478799	18217 752386	37637 1004628	73579 1298568	195247	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dinitrophenol	ANT	Qua	298052	+++++ 489548	13574 644706	32230 856086	98538	20.0	+++++ 30.0	2.00 40.0	4.00 50.0	10.0
2-Methylnaphthalene	NPT	Ave	9592 868364	44423 1415002	77494 1831212	152492 2397997	359213	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,3,5,6-Tetrachlorophenol	ANT	Ave	246330	+++++ 396179	21198 521013	35453 660196	99131	10.0	+++++ 15.0	1.00 20.0	2.00 25.0	5.00
1-Methylnaphthalene	NPT	Ave	9746 828016	37150 1317955	72544 1744086	140882 2235836	344433	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2,3,5-Tetrachlorobenzene	ANT	Ave	514585	26534 783754	47611 1073165	86342 1365010	209444	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachlorocyclopentadiene	ANT	Ave	300767	14231 505738	24475 686313	46365 871558	124942	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4,6-Trichlorophenol	ANT	Ave	263552	11132 415081	24474 545710	44462 707980	112305	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4,6-Dinitro-2-methylphenol	PHN	Qua	178853	+++++ 283932	8731 391110	19408 505811	65437	10.0	+++++ 15.0	1.00 20.0	2.00 25.0	5.00
2,4,5-Trichlorophenol	ANT	Ave	284590	11810 458891	23329 609729	49381 766854	119739	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Toluene diamine	NPT	Ave	240815	13570 349462	26107 451191	48005 626792	108826	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,1'-Biphenyl	ANT	Ave	14406 1130904	52366 1792447	94122 2432848	183503 3129512	459475	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Chloronaphthalene	ANT	Ave	11427 995591	46975 1577267	88607 2109317	169365 2706852	416698	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Nitroaniline	ANT	Qua	344936	11643 556286	23636 742428	52448 959160	146420	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Dimethyl phthalate	ANT	Ave	926589	39759 1503708	79624 1991595	152090 2599690	392929	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,6-Dinitrotoluene	ANT	Qua	251687	6903 413430	18035 536439	39739 685788	94797	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Acenaphthylene	ANT	Ave	16581 1434166	61736 2384363	126502 3237768	220123 4089716	603530	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
3-Nitroaniline	ANT	Ave	235569	7492 377722	17467 503862	38554 634866	95913	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Acenaphthene	ANT	Ave	11839 901947	42288 1435034	79160 1904458	148565 2472975	372511	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Nitrophenol	ANT	Qua	168044	5684 267794	11853 348584	23623 454623	65217	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dinitrotoluene	ANT	Qua	338941	10710 527251	24060 714591	50982 923221	130598	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 69820

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2012 13:40 Calibration End Date: 12/21/2012 16:59 Calibration ID: 12956

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Dibenzofuran	ANT	Ave	15309 1244323	60226 2025568	113492 2657051	208043 3581370	522411	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Diethyl phthalate	ANT	Ave	 997672	43963 1616541	83637 2176114	158283 2780121	411485	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Chlorophenyl phenyl ether	ANT	Ave	 600323	30821 979680	56120 1305506	101715 1651155	257703	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Nitroaniline	ANT	Qua	 257826	7395 424072	17145 552307	34618 704769	106384	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Fluorene	ANT	Ave	10260 965060	45860 1572145	88364 2118939	163931 2716251	408090	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
N-Nitrosodiphenylamine	PHN	Ave	 765390	34977 1246733	64805 1648797	124519 2157384	310920	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2-Diphenylhydrazine(as Azobenzene)	PHN	Ave	 1549535	62210 2597690	132920 3531438	247046 4649295	633891	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Azobenzene	PHN	Ave	 1549535	62210 2597690	132920 3531438	247046 4649295	633891	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Bromophenyl phenyl ether	PHN	Ave	 339852	15157 517906	30684 695427	55765 886023	135722	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachlorobenzene	PHN	Ave	3920 302681	15979 487626	25985 644859	52047 806168	124349	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Atrazine	PHN	Ave	 210536	8802 327770	20096 407485	40519 496014	95053	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Pentachlorophenol	PHN	Qua	 410269	11654 632837	28442 843539	59595 1067306	159934	 20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
Phenanthrene	PHN	Ave	19551 1447985	68540 2390933	129567 3170028	234591 4201192	598554	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Anthracene	PHN	Ave	15050 1534802	66962 2488688	122472 3347412	241353 4385069	626449	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Carbazole	PHN	Ave	 1379796	54990 2345565	116657 3141931	227795 4130288	588716	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Di-n-butyl phthalate	PHN	Ave	 1742533	67035 2958480	129839 3971153	271151 5262739	739852	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
3,3'-Dimethoxybenzidine	CRY	Qua	 357023	+++++ 673469	19632 922816	53242 1190583	159274	 10.0	+++++ 15.0	1.00 20.0	2.00 25.0	5.00
Fluoranthene	PHN	Ave	15993 1706909	74733 2815484	134269 3803371	278239 5023436	686562	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzidine	CRY	Qua	 662791	18006 1174469	33344 1579841	93364 1954833	281231	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Pyrene	CRY	Ave	19983 1782701	73001 2886203	140475 3948673	284664 5208727	732555	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Butyl benzyl phthalate	CRY	Ave	 727579	24449 1180597	55195 1628110	112628 2081370	319880	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 69820

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2012 13:40 Calibration End Date: 12/21/2012 16:59 Calibration ID: 12956

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
3,3'-Dichlorobenzidine	CRY	Ave	586413	18902 982024	45219 1290590	94949 1695667	247001	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4,4'-Methylene bis(2-chloroaniline)	CRY	Qua	308329	9078 510242	19106 658312	45833 866101	129446	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Bis(2-ethylhexyl) phthalate	CRY	Ave	1040793	38379 1749846	76075 2365591	167505 3091277	445345	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[a]anthracene	CRY	Qua	21242 1586836	67724 2645907	134441 3478369	262786 4577717	667835	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Chrysene	CRY	Ave	18632 1498225	67668 2421418	130125 3166464	241346 4166071	617817	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Di-n-octyl phthalate	PRY	Qua	1652273	47259 2840802	112863 3946321	241346 5154454	702863	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[b]fluoranthene	PRY	Ave	16909 1417002	57747 2367233	122407 3158942	215801 4217528	614869	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[k]fluoranthene	PRY	Ave	12999 1504120	59056 2564413	123213 3398627	255211 4287066	624693	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[a]pyrene	PRY	Ave	12116 1360238	52362 2252272	110740 3080509	216765 3984105	541695	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Indeno[1,2,3-cd]pyrene	PRY	Ave	15145 1461810	60047 2461406	111872 3335807	240696 4283350	616995	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Dibenz(a,h)anthracene	PRY	Ave	12858 1124740	43461 1892777	90460 2546401	174023 3334279	471414	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[g,h,i]perylene	PRY	Qua	16607 1247035	51966 2038609	97068 2741480	190260 3582462	498994	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Fluorophenol (Surr)	DCB	Ave	462695	20274 722739	36226 910813	77606 1183517	195311	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Phenol-d5 (Surr)	DCB	Ave	653763	31149 1040637	54224 1379112	113732 1741995	288517	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Nitrobenzene-d5 (Surr)	NPT	Ave	7650 813017	31249 1350328	68005 1722387	128853 2191372	342403	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Fluorobiphenyl (Surr)	ANT	Ave	13834 1248352	55023 1981695	103445 2616027	203566 3419486	499444	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4,6-Tribromophenol (Surr)	ANT	Qua	110397	4467 179826	7058 228550	15145 307245	44898	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Terphenyl-d14 (Surr)	CRY	Ave	13151 1222121	57111 2039332	102779 2661135	202206 3455533	500863	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

Curve Type Legend:

Ave = Average ISTD
Qua = Quadratic ISTD

Report Date: 22-Dec-2012 11:07:31 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221002.D
Lims ID: std5 tcl Client ID:
Inject. Date: 21-Dec-2012 13:40:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0016106-002
Misc. Info.: STD5 TCL =STD5 TCL
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 2
Lims Batch ID: 69820 Lims Sample ID: 2
Sublist: chrom-8270 _9*sub13
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121221-16106.b\8270 _9.m
Last Update: 22-Dec-2012 11:07:30 Calib Date: 21-Dec-2012 20:45:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221019.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK002

First Level Reviewer: ulmanm Date: 21-Dec-2012 14:23:16

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.014	6.014	0.0	96	112610	4.00	
* 2 Naphthalene-d8	136	7.120	7.120	0.0	98	445004	4.00	
* 3 Acenaphthene-d10	164	8.615	8.615	0.0	87	265078	4.00	
* 4 Phenanthrene-d10	188	9.882	9.882	0.0	97	463989	4.00	
* 5 Chrysene-d12	240	12.494	12.494	0.0	76	465346	4.00	
* 6 Perylene-d12	264	14.625	14.625	0.0	91	368376	4.00	
$ 7 2-Fluorophenol	112	4.785	4.785	0.0	88	195311	5.17	
$ 8 Phenol-d5	99	5.651	5.651	0.0	0	288517	5.18	
$ 9 Nitrobenzene-d5	82	6.495	6.495	0.0	82	342403	5.03	
$ 10 2-Fluorobiphenyl (Surr)	172	8.028	8.028	0.0	99	499444	4.70	
$ 11 2,4,6-Tribromophenol	330	9.283	9.283	0.0	74	44898	5.07	
$ 12 Terphenyl-d14	244	11.260	11.260	0.0	97	500863	4.75	
25 1,4-Dioxane	88	2.728	2.728	0.0	81	97070	4.94	M
26 N-Nitrosodimethylamine	74	3.193	3.193	0.0	77	146984	4.94	
27 Pyridine	79	3.252	3.252	0.0	92	266044	5.02	M
28 Ethyl methacrylate	69	3.818	3.818	0.0	85	223356	4.89	
29 3-Chloropropionitrile	54	4.165	4.165	0.0	87	131002	5.09	
33 Malononitrile	66	4.481	4.481	0.0	95	293193	4.99	
41 Benzaldehyde	77	5.624	5.624	0.0	88	271430	5.54	
43 Phenol	94	5.661	5.661	0.0	92	315638	5.03	
44 Aniline	93	5.715	5.715	0.0	96	398576	5.11	
69 Bis(2-chloroethyl)ether	93	5.763	5.763	0.0	95	297711	5.00	
46 2-Chlorophenol	128	5.821	5.821	0.0	93	186940	4.94	
47 1,3-Dichlorobenzene	146	5.966	5.966	0.0	89	247122	5.06	
48 1,4-Dichlorobenzene	146	6.030	6.030	0.0	75	205323	5.17	
49 Benzyl alcohol	108	6.115	6.115	0.0	87	142276	5.10	
50 1,2-Dichlorobenzene	146	6.163	6.163	0.0	79	234966	4.96	
51 2-Methylphenol	108	6.201	6.201	0.0	95	211449	5.14	
53 2,2'-oxybis[1-chloropropane]	45	6.238	6.238	0.0	98	294875	4.93	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
21 3 & 4 Methylphenol	108	6.329	6.329	0.0	84	224694	5.21	
57 N-Nitrosodi-n-propylamine	70	6.350	6.350	0.0	74	200536	5.16	
58 Acetophenone	105	6.356	6.356	0.0	93	317125	5.04	
61 Hexachloroethane	117	6.463	6.463	0.0	86	106028	5.08	
62 Nitrobenzene	77	6.511	6.511	0.0	77	351829	4.93	
64 Isophorone	82	6.708	6.708	0.0	95	534790	4.90	
66 2-Nitrophenol	139	6.783	6.783	0.0	90	97820	5.33	
65 2,4-Dimethylphenol	107	6.794	6.794	0.0	95	232527	4.91	
67 1,3,5-Trichlorobenzene	180	6.794	6.794	0.0	86	225321	5.19	
71 Benzoic acid	122	6.831	6.831	0.0	87	244730	10.2	M
70 Bis(2-chloroethoxy)methane	93	6.885	6.885	0.0	95	361411	4.88	
73 2,4-Dichlorophenol	162	6.981	6.981	0.0	92	148283	5.13	
74 1,2,4-Trichlorobenzene	180	7.066	7.066	0.0	83	207269	4.88	
75 Naphthalene	128	7.141	7.141	0.0	97	566398	4.83	
76 4-Chloroaniline	127	7.168	7.168	0.0	80	233258	4.99	
79 Hexachlorobutadiene	225	7.237	7.237	0.0	88	111564	4.73	
80 1,2,3-Trichlorobenzene	180	7.259	7.259	0.0	88	192928	0	
84 Caprolactam	113	7.445	7.445	0.0	79	70338	5.33	
86 4-Chloro-3-methylphenol	107	7.558	7.558	0.0	85	195247	5.00	
87 2-Methylnaphthalene	142	7.729	7.729	0.0	84	359213	4.64	
88 1-Methylnaphthalene	142	7.814	7.814	0.0	80	344433	4.74	
89 Hexachlorocyclopentadiene	237	7.857	7.857	0.0	77	124942	4.85	
90 1,2,3,5-Tetrachlorobenzene	216	7.857	7.857	0.0	91	209444	4.77	
92 2,4,6-Trichlorophenol	196	7.953	7.953	0.0	91	112305	5.05	
93 2,4,5-Trichlorophenol	196	7.985	7.985	0.0	89	119739	5.03	
97 2,4-Toluene diamine	121	8.097	8.097	0.0	97	108826	5.00	
99 1,2,3,4 -Tetrachlorobenzene	216	8.113	8.113	0.0	83	215322	0	
98 1,1'-Biphenyl	154	8.119	8.119	0.0	92	459475	4.63	
100 2-Chloronaphthalene	162	8.145	8.145	0.0	97	416698	4.78	
102 2-Nitroaniline	65	8.215	8.215	0.0	73	146420	5.17	
105 Dimethyl phthalate	163	8.354	8.354	0.0	96	392929	5.01	
107 2,6-Dinitrotoluene	165	8.412	8.412	0.0	69	94797	4.64	
108 1,2-Dinitrobenzene	168	8.461	8.461	0.0	79	51804	4.80	
109 Acenaphthylene	152	8.498	8.498	0.0	93	603530	4.81	
110 3-Nitroaniline	138	8.562	8.562	0.0	91	95913	5.11	
112 Acenaphthene	153	8.647	8.647	0.0	89	372511	4.65	
111 2,4-Dinitrophenol	184	8.647	8.647	0.0	60	98538	9.13	
113 4-Nitrophenol	109	8.669	8.669	0.0	88	65217	4.86	
114 2,4-Dinitrotoluene	165	8.754	8.754	0.0	75	130598	4.88	
116 Dibenzofuran	168	8.792	8.792	0.0	84	522411	4.68	
118 2,3,5,6-Tetrachlorophenol	232	8.845	8.845	0.0	83	99131	4.84	
121 Diethyl phthalate	149	8.947	8.947	0.0	95	411485	4.91	
123 4-Chlorophenyl phenyl ether	204	9.070	9.070	0.0	89	257703	4.89	
125 4-Nitroaniline	138	9.075	9.075	0.0	77	106384	5.01	
126 Fluorene	166	9.080	9.080	0.0	74	408090	4.80	
128 4,6-Dinitro-2-methylphenol	198	9.102	9.102	0.0	76	65437	4.90	
131 N-Nitrosodiphenylamine	169	9.160	9.160	0.0	99	310920	4.86	
132 1,2-Diphenylhydrazine	77	9.203	9.203	0.0	99	633891	4.87	
133 Azobenzene	77	9.203	9.203	0.0	95	633891	4.87	
139 4-Bromophenyl phenyl ether	248	9.486	9.486	0.0	69	135722	4.89	
141 Hexachlorobenzene	284	9.550	9.550	0.0	81	124349	4.65	
142 Atrazine	200	9.593	9.593	0.0	82	95053	5.42	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	9.705	9.705	0.0	79	159934	9.75	
148 Phenanthrene	178	9.903	9.903	0.0	97	598554	4.64	
149 Anthracene	178	9.951	9.951	0.0	87	626449	4.92	
151 Carbazole	167	10.068	10.068	0.0	85	588716	5.04	
154 Di-n-butyl phthalate	149	10.325	10.325	0.0	100	739852	5.13	
159 Fluoranthene	202	10.923	10.923	0.0	99	686562	4.83	
160 Benzidine	184	11.019	11.019	0.0	97	281231	4.94	
161 Pyrene	202	11.142	11.142	0.0	96	732555	4.84	
168 Butyl benzyl phthalate	149	11.751	11.751	0.0	91	319880	5.45	
172 3,3'-Dimethoxybenzidine	244	12.376	12.376	0.0	87	159274	5.21	
175 3,3'-Dichlorobenzidine	252	12.424	12.424	0.0	72	247001	5.21	
174 4,4'-Methylene bis(2-chloroanili	231	12.424	12.424	0.0	69	129446	5.07	
173 Bis(2-ethylhexyl) phthalate	149	12.446	12.446	0.0	95	445345	5.20	
177 Benzo[a]anthracene	228	12.478	12.478	0.0	85	667835	5.00	
178 Chrysene	228	12.531	12.531	0.0	86	617817	4.74	
180 Di-n-octyl phthalate	149	13.375	13.375	0.0	99	702863	5.20	
182 Benzo[b]fluoranthene	252	14.027	14.027	0.0	86	614869	5.01	
183 Benzo[k]fluoranthene	252	14.070	14.070	0.0	84	624693	5.01	
184 Benzo[a]pyrene	252	14.535	14.535	0.0	65	541695	4.85	
188 Indeno[1,2,3-cd]pyrene	276	16.335	16.335	0.0	85	616995	4.98	
189 Dibenz(a,h)anthracene	278	16.362	16.362	0.0	61	471414	4.92	
190 Benzo[g,h,i]perylene	276	16.805	16.805	0.0	79	498994	4.92	
S 191 Methyl Phenols,Total	100				0		10.4	

QC Flag Legend

Review Flags
M - Manually Integrated

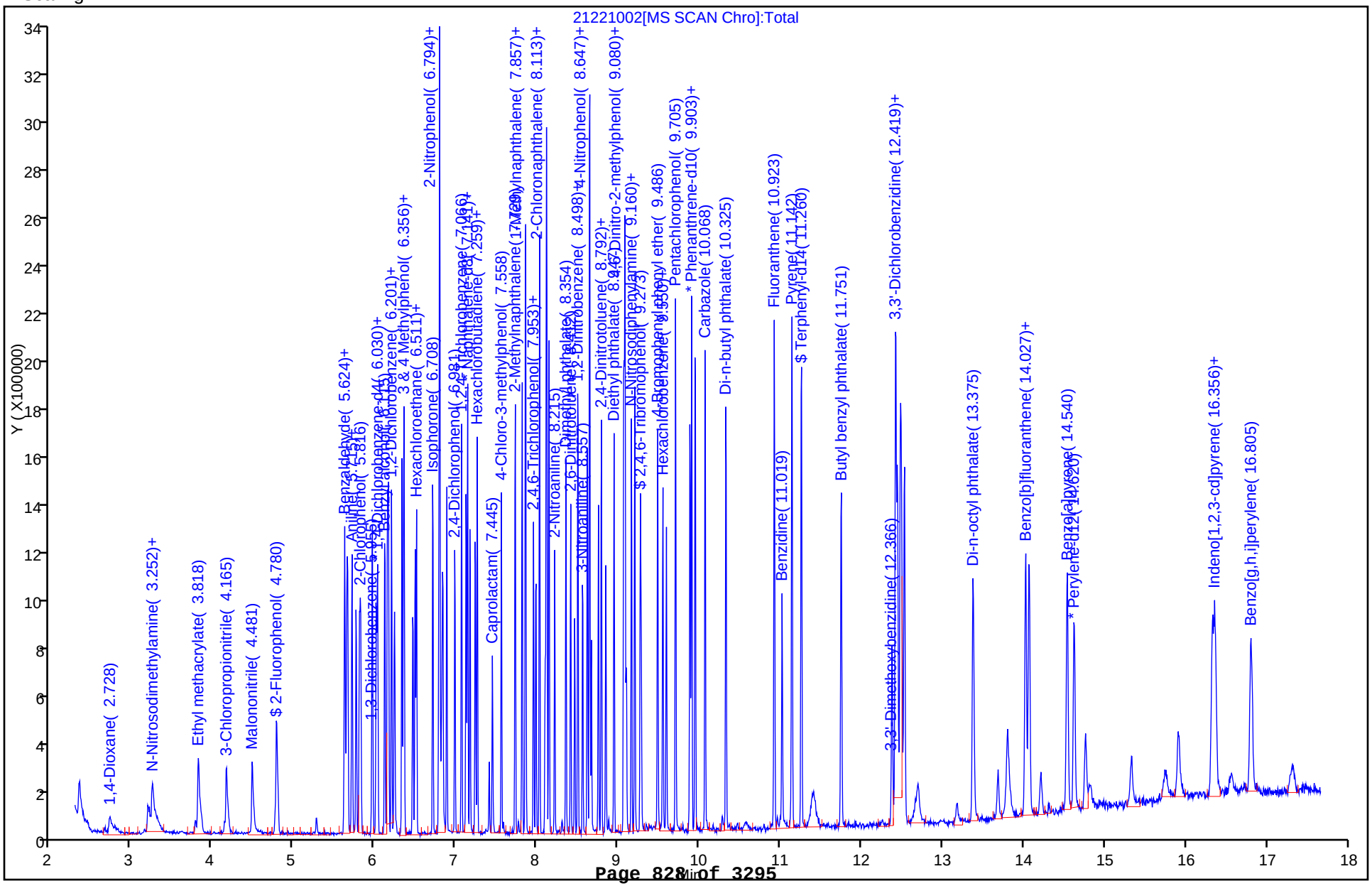
Report Date: 22-Dec-2012 11:07:31 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221002.D

Injection Date:	21-Dec-2012 13:40:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	2
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

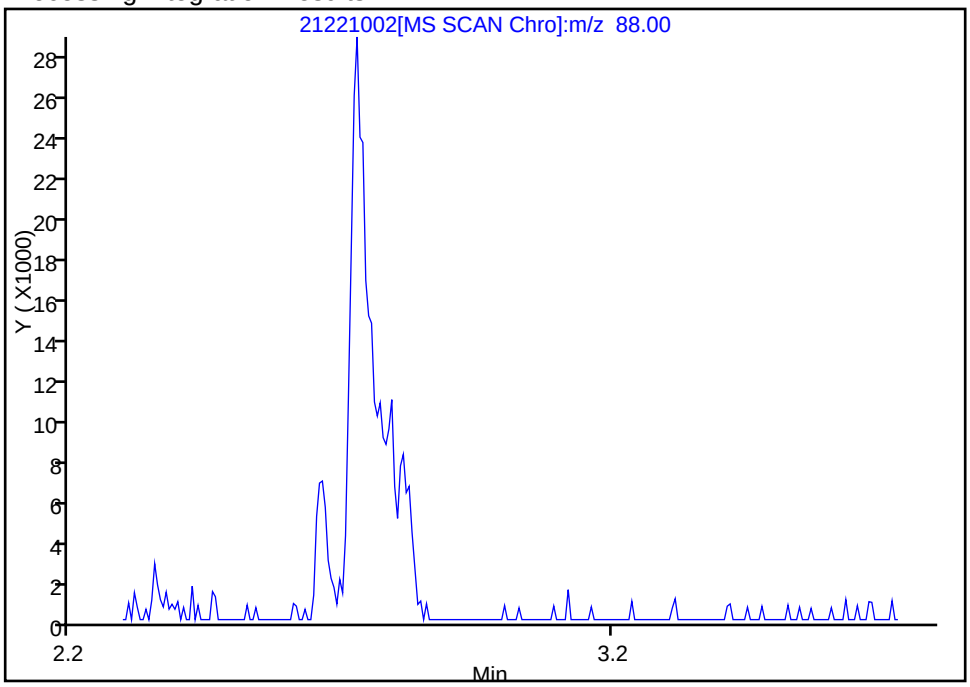
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221002.D		
Injection Date:	21-Dec-2012 13:40:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	2
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

25 1,4-Dioxane, Signal: 1, m/z: 88.0 Type: quant, RT: 2.73

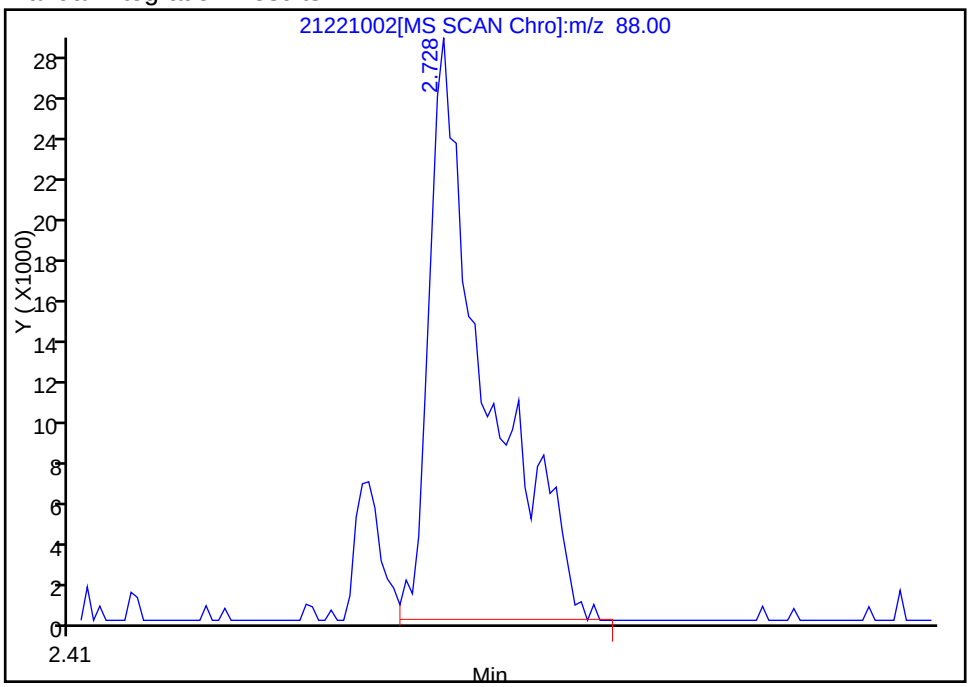
Processing Integration Results

Not Detected
Expected RT: 2.73



Manual Integration Results

RT: 2.73
Response: 97070
Amount: 4.944735



Reviewer: ulmanm, 21-Dec-2012 14:23:16
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

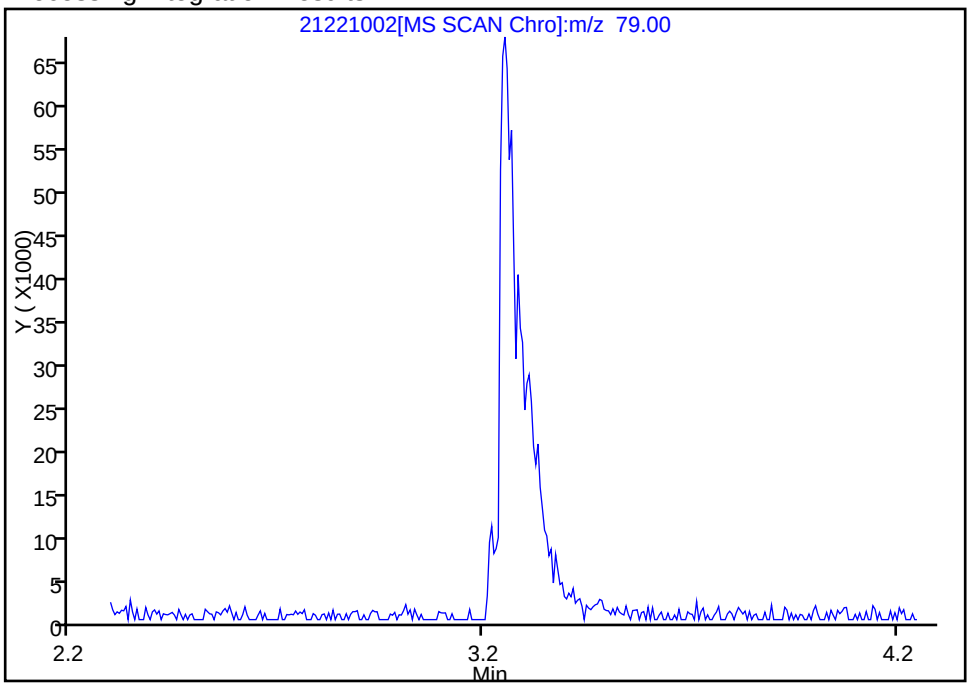
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221002.D		
Injection Date:	21-Dec-2012 13:40:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	2
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

27 Pyridine, Signal: 1, m/z: 79.0 Type: quant, RT: 3.25

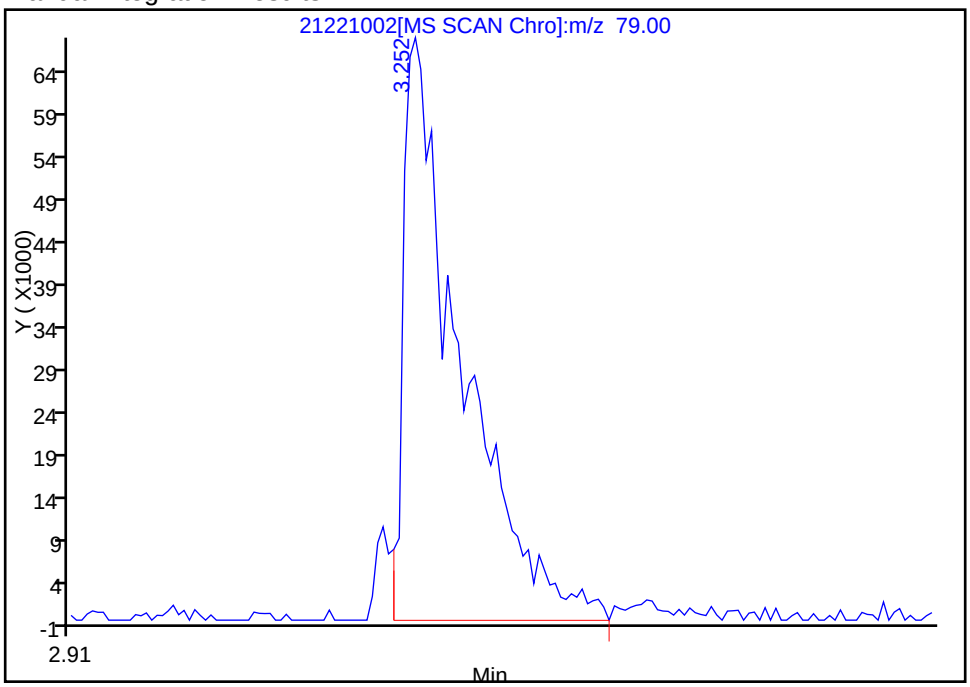
Processing Integration Results

Not Detected
Expected RT: 3.25



Manual Integration Results

RT: 3.25
Response: 266044
Amount: 5.018830



Reviewer: ulmanm, 21-Dec-2012 14:23:16
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

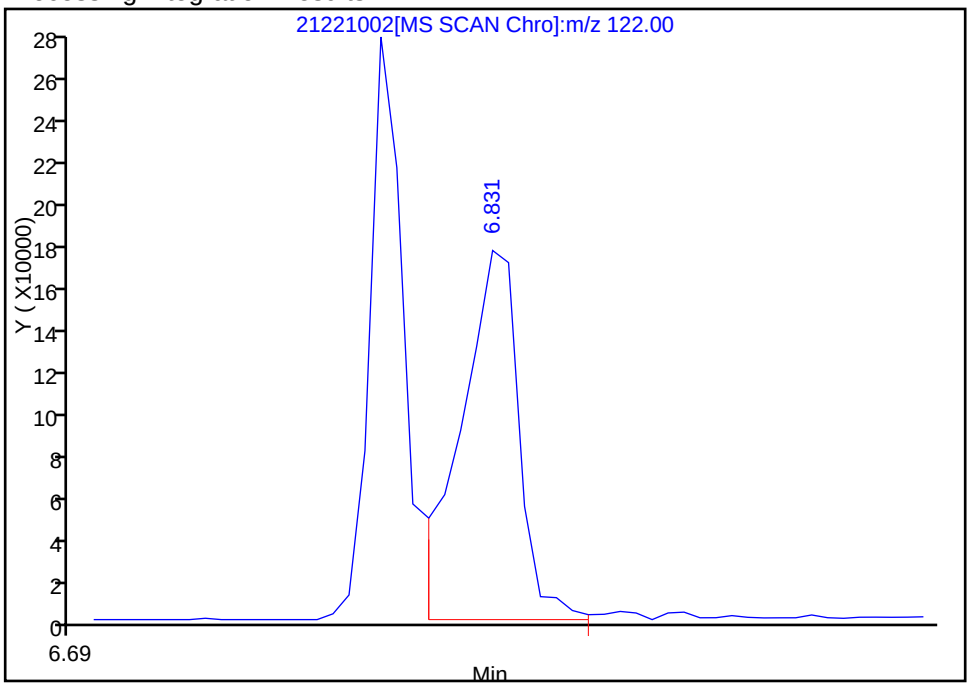
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221002.D		
Injection Date:	21-Dec-2012 13:40:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	2
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

71 Benzoic acid, Signal: 1, m/z: 122.0 Type: quant, RT: 6.83

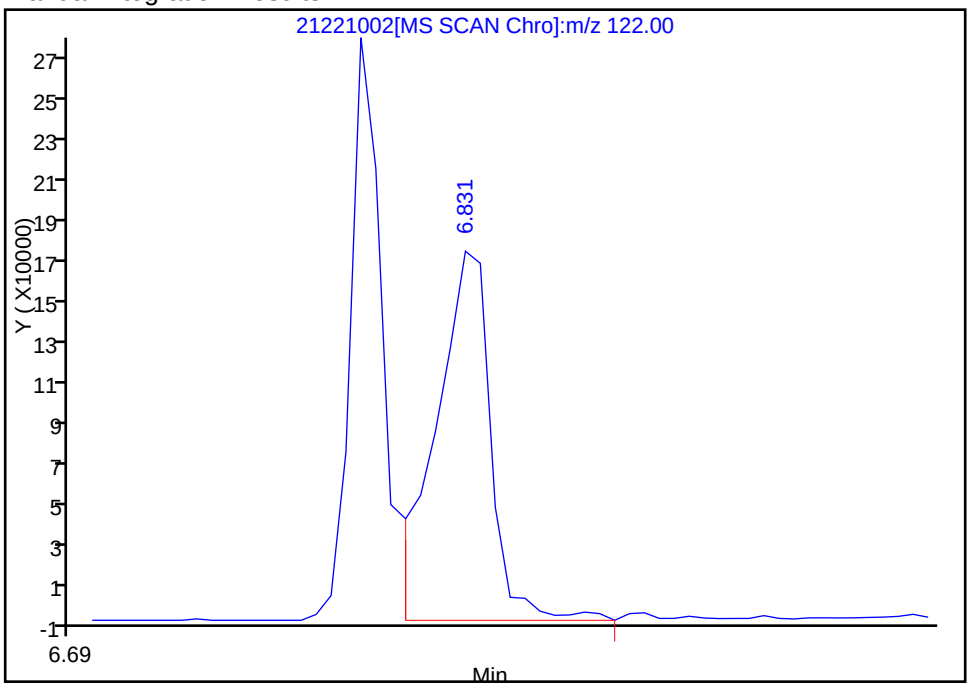
Processing Integration Results

RT: 6.83
Response: 241562
Amount: 10.000000



Manual Integration Results

RT: 6.83
Response: 244730
Amount: 10.242650



Reviewer: ulmanm, 21-Dec-2012 14:23:16
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221003.D		
Lims ID:	std4 tcl	Client ID:	
Inject. Date:	21-Dec-2012 14:05:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	240-0016106-003		
Misc. Info.:	STD4 TCL =STD4 TCL		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	3
Lims Batch ID:	69820	Lims Sample ID:	3
Sublist:	chrom-8270 _9*sub13		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\8270 _9.m		
Last Update:	22-Dec-2012 11:07:32	Calib Date:	21-Dec-2012 20:45:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221019.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK002		
First Level Reviewer: ulmanm		Date:	22-Dec-2012 10:08:57

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.012	6.014	-0.002	94	121858	4.00	
* 2 Naphthalene-d8	136	7.123	7.120	0.003	99	479535	4.00	
* 3 Acenaphthene-d10	164	8.619	8.615	0.004	89	286957	4.00	
* 4 Phenanthrene-d10	188	9.885	9.882	0.003	97	486468	4.00	
* 5 Chrysene-d12	240	12.492	12.494	-0.002	79	490980	4.00	
* 6 Perylene-d12	264	14.624	14.625	-0.001	91	389083	4.00	
$ 7 2-Fluorophenol	112	4.783	4.785	-0.002	84	77606	1.90	
$ 8 Phenol-d5	99	5.649	5.651	-0.002	0	113732	1.89	
$ 9 Nitrobenzene-d5	82	6.493	6.495	-0.002	85	128853	1.76	
$ 10 2-Fluorobiphenyl (Surr)	172	8.026	8.028	-0.002	98	203566	1.77	
$ 11 2,4,6-Tribromophenol	330	9.281	9.283	-0.002	67	15145	1.76	
$ 12 Terphenyl-d14	244	11.258	11.260	-0.002	94	202206	1.82	
25 1,4-Dioxane	88	2.727	2.728	-0.001	74	40925	1.93	M
26 N-Nitrosodimethylamine	74	3.202	3.193	0.009	73	54158	1.68	M
27 Pyridine	79	3.256	3.252	0.004	0	110383	1.92	M
28 Ethyl methacrylate	69	3.816	3.818	-0.002	76	91716	1.86	M
29 3-Chloropropionitrile	54	4.169	4.165	0.004	85	51439	1.85	
33 Malononitrile	66	4.490	4.481	0.009	92	114298	1.80	
41 Benzaldehyde	77	5.622	5.624	-0.002	83	119187	2.25	
43 Phenol	94	5.659	5.661	-0.002	89	129951	1.92	
44 Aniline	93	5.713	5.715	-0.002	96	156909	1.86	
69 Bis(2-chloroethyl)ether	93	5.766	5.763	0.003	93	121216	1.88	
46 2-Chlorophenol	128	5.820	5.821	-0.001	92	76273	1.86	
47 1,3-Dichlorobenzene	146	5.964	5.966	-0.002	84	96680	1.83	
48 1,4-Dichlorobenzene	146	6.028	6.030	-0.002	83	76824	1.79	
49 Benzyl alcohol	108	6.119	6.115	0.004	85	56875	1.89	
50 1,2-Dichlorobenzene	146	6.162	6.163	-0.001	89	100222	1.95	
51 2-Methylphenol	108	6.199	6.201	-0.002	92	81551	1.83	
53 2,2'-oxybis[1-chloropropane]	45	6.236	6.238	-0.002	97	118489	1.83	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
21 3 & 4 Methylphenol	108	6.327	6.329	-0.002	85	85052	1.82	
57 N-Nitrosodi-n-propylamine	70	6.349	6.350	-0.001	75	76073	1.81	
58 Acetophenone	105	6.354	6.356	-0.002	85	127519	1.87	
61 Hexachloroethane	117	6.466	6.463	0.003	95	41771	1.85	
62 Nitrobenzene	77	6.509	6.511	-0.002	83	145866	1.90	
64 Isophorone	82	6.712	6.708	0.004	95	212007	1.80	
66 2-Nitrophenol	139	6.787	6.783	0.004	82	34120	1.88	
65 2,4-Dimethylphenol	107	6.792	6.794	-0.002	95	95285	1.87	
67 1,3,5-Trichlorobenzene	180	6.792	6.794	-0.002	80	83093	1.78	
71 Benzoic acid	122	6.824	6.831	-0.007	87	88203	4.07	M
70 Bis(2-chloroethoxy)methane	93	6.883	6.885	-0.002	98	135906	1.70	
73 2,4-Dichlorophenol	162	6.984	6.981	0.003	89	59004	1.89	
74 1,2,4-Trichlorobenzene	180	7.064	7.066	-0.002	86	91502	2.00	
75 Naphthalene	128	7.139	7.141	-0.002	94	231889	1.84	
76 4-Chloroaniline	127	7.171	7.168	0.003	89	94904	1.88	
79 Hexachlorobutadiene	225	7.235	7.237	-0.002	86	48637	1.92	
80 1,2,3-Trichlorobenzene	180	7.262	7.259	0.003	86	77980	0	
84 Caprolactam	113	7.444	7.445	-0.001	74	22115	1.76	
86 4-Chloro-3-methylphenol	107	7.556	7.558	-0.002	87	73579	1.75	
87 2-Methylnaphthalene	142	7.727	7.729	-0.002	86	152492	1.83	
88 1-Methylnaphthalene	142	7.812	7.814	-0.002	84	140882	1.80	
89 Hexachlorocyclopentadiene	237	7.855	7.857	-0.002	59	46365	1.66	
90 1,2,3,5-Tetrachlorobenzene	216	7.855	7.857	-0.002	84	86342	1.82	
92 2,4,6-Trichlorophenol	196	7.951	7.953	-0.002	86	44462	1.85	
93 2,4,5-Trichlorophenol	196	7.983	7.985	-0.002	91	49381	1.91	
97 2,4-Toluene diamine	121	8.095	8.097	-0.002	95	48005	2.05	
99 1,2,3,4 -Tetrachlorobenzene	216	8.112	8.113	-0.001	82	85537	0	
98 1,1'-Biphenyl	154	8.117	8.119	-0.002	96	183503	1.71	
100 2-Chloronaphthalene	162	8.144	8.145	-0.001	93	169365	1.80	
102 2-Nitroaniline	65	8.213	8.215	-0.002	52	52448	1.88	
105 Dimethyl phthalate	163	8.352	8.354	-0.002	94	152090	1.79	
107 2,6-Dinitrotoluene	165	8.411	8.412	-0.001	74	39739	2.02	
108 1,2-Dinitrobenzene	168	8.459	8.461	-0.001	76	23106	1.98	
109 Acenaphthylene	152	8.501	8.498	0.003	92	220123	1.62	
110 3-Nitroaniline	138	8.560	8.562	-0.002	90	38554	1.90	
112 Acenaphthene	153	8.646	8.647	-0.001	90	148565	1.71	
111 2,4-Dinitrophenol	184	8.646	8.647	-0.001	53	32230	3.87	
113 4-Nitrophenol	109	8.667	8.669	-0.002	82	23623	1.83	
114 2,4-Dinitrotoluene	165	8.753	8.754	-0.001	72	50982	1.93	
116 Dibenzofuran	168	8.790	8.792	-0.002	83	208043	1.72	
118 2,3,5,6-Tetrachlorophenol	232	8.843	8.845	-0.002	83	35453	1.60	
121 Diethyl phthalate	149	8.945	8.947	-0.002	93	158283	1.74	
123 4-Chlorophenyl phenyl ether	204	9.068	9.070	-0.002	91	101715	1.78	
125 4-Nitroaniline	138	9.073	9.075	-0.002	78	34618	1.78	
126 Fluorene	166	9.084	9.080	0.004	67	163931	1.78	
128 4,6-Dinitro-2-methylphenol	198	9.100	9.102	-0.002	63	19408	1.91	
131 N-Nitrosodiphenylamine	169	9.159	9.160	-0.001	97	124519	1.86	
132 1,2-Diphenylhydrazine	77	9.201	9.203	-0.002	99	247046	1.81	
133 Azobenzene	77	9.201	9.203	-0.002	94	247046	1.81	
139 4-Bromophenyl phenyl ether	248	9.484	9.486	-0.002	67	55765	1.92	
141 Hexachlorobenzene	284	9.549	9.550	-0.001	74	52047	1.86	
142 Atrazine	200	9.591	9.593	-0.002	79	40519	2.20	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	9.709	9.705	0.004	79	59595	3.90	
148 Phenanthrene	178	9.901	9.903	-0.002	92	234591	1.74	
149 Anthracene	178	9.949	9.951	-0.002	83	241353	1.81	
151 Carbazole	167	10.072	10.068	0.004	81	227795	1.86	
154 Di-n-butyl phthalate	149	10.329	10.325	0.003	100	271151	1.79	
159 Fluoranthene	202	10.921	10.923	-0.002	94	278239	1.87	
160 Benzidine	184	11.018	11.019	-0.001	84	93364	1.94	
161 Pyrene	202	11.141	11.142	-0.002	96	284664	1.78	
168 Butyl benzyl phthalate	149	11.750	11.751	-0.001	89	112628	1.82	
172 3,3'-Dimethoxybenzidine	244	12.375	12.376	-0.001	78	53242	2.09	
175 3,3'-Dichlorobenzidine	252	12.417	12.424	-0.007	62	94949	1.90	
174 4,4'-Methylene bis(2-chloroanili	231	12.417	12.424	-0.007	66	45833	1.93	
173 Bis(2-ethylhexyl) phthalate	149	12.444	12.446	-0.002	95	167505	1.86	
177 Benzo[a]anthracene	228	12.476	12.478	-0.002	86	262786	1.94	
178 Chrysene	228	12.524	12.531	-0.007	84	241346	1.76	
180 Di-n-octyl phthalate	149	13.374	13.375	-0.001	99	241346	1.92	
182 Benzo[b]fluoranthene	252	14.025	14.027	-0.002	81	215801	1.66	
183 Benzo[k]fluoranthene	252	14.068	14.070	-0.002	82	255211	1.94	
184 Benzo[a]pyrene	252	14.533	14.535	-0.001	71	216765	1.84	
188 Indeno[1,2,3-cd]pyrene	276	16.333	16.335	-0.002	80	240696	1.84	
189 Dibenz(a,h)anthracene	278	16.354	16.362	-0.008	77	174023	1.72	
190 Benzo[g,h,i]perylene	276	16.803	16.805	-0.002	67	190260	1.87	
S 191 Methyl Phenols,Total	100				0		3.66	

QC Flag Legend

Review Flags
M - Manually Integrated

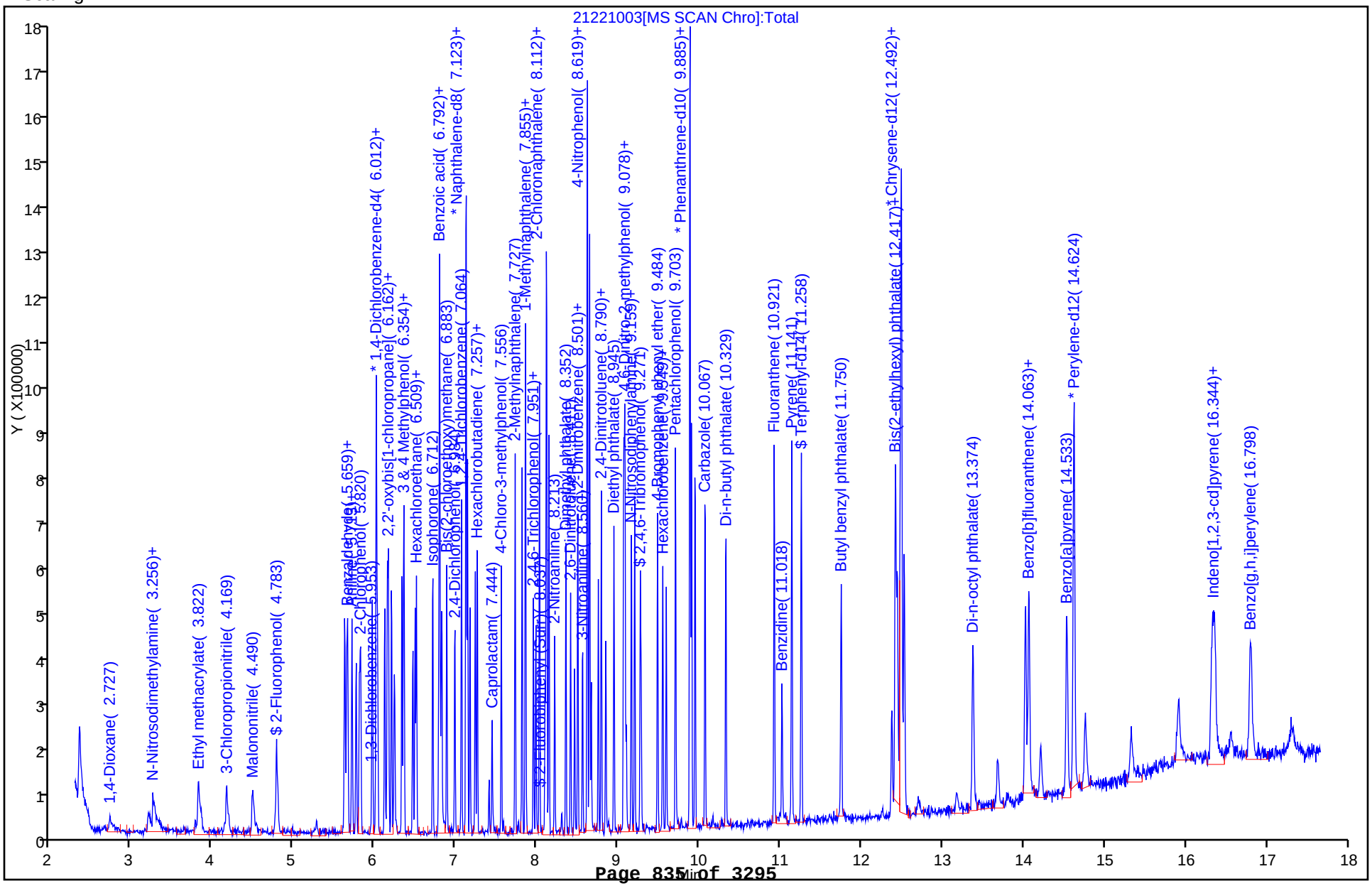
Report Date: 22-Dec-2012 11:07:32 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221003.D

Injection Date:	21-Dec-2012 14:05:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	3
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

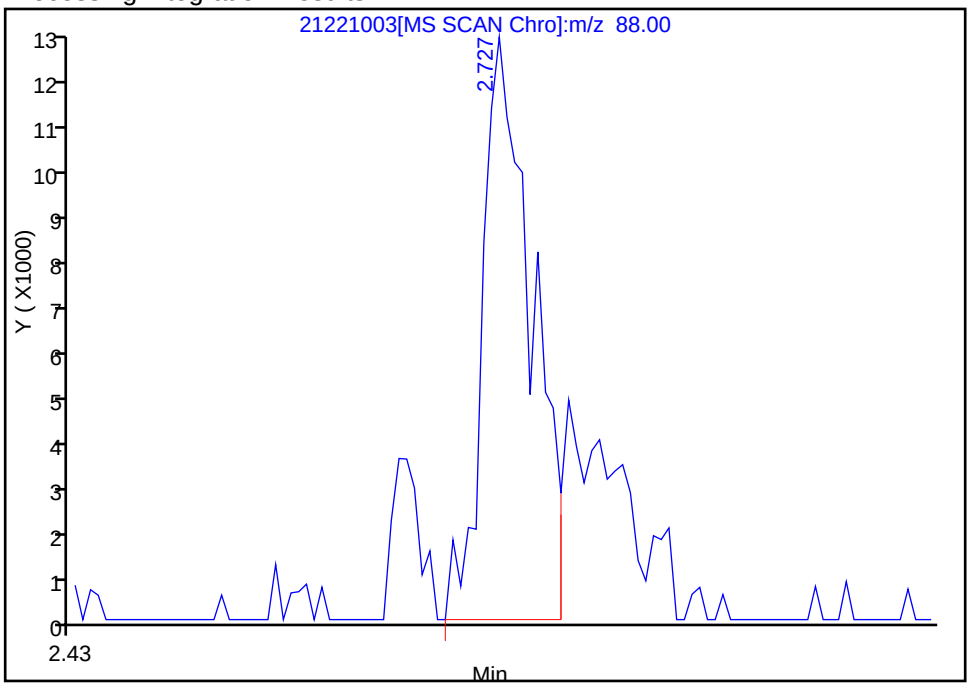
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221003.D		
Injection Date:	21-Dec-2012 14:05:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	3
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

25 1,4-Dioxane, Signal: 1, m/z: 88.0 Type: quant, RT: 2.73

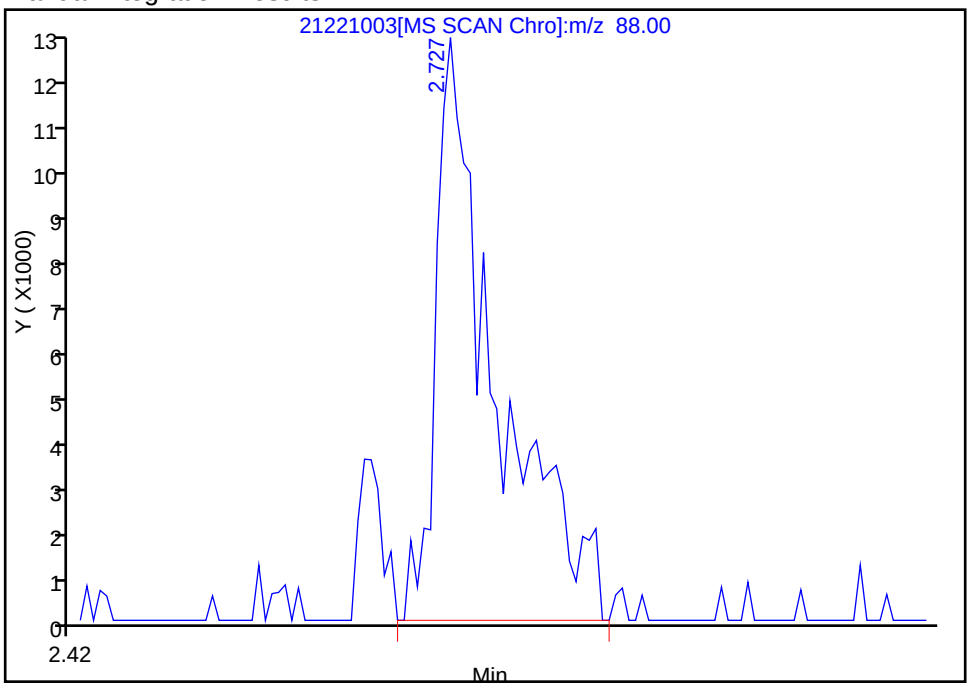
Processing Integration Results

RT: 2.73
Response: 28896
Amount: 1.785075



Manual Integration Results

RT: 2.73
Response: 40925
Amount: 1.926502



Reviewer: ulmanm, 22-Dec-2012 10:08:57
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

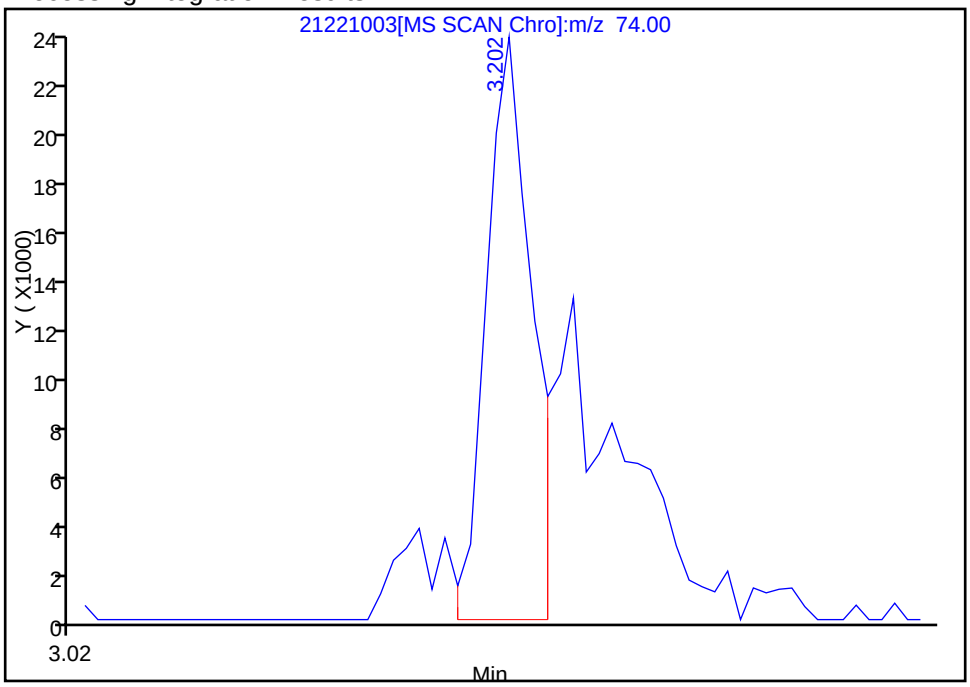
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221003.D		
Injection Date:	21-Dec-2012 14:05:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	3
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

26 N-Nitrosodimethylamine, Signal: 1, m/z: 74.0 Type: quant, RT: 3.19

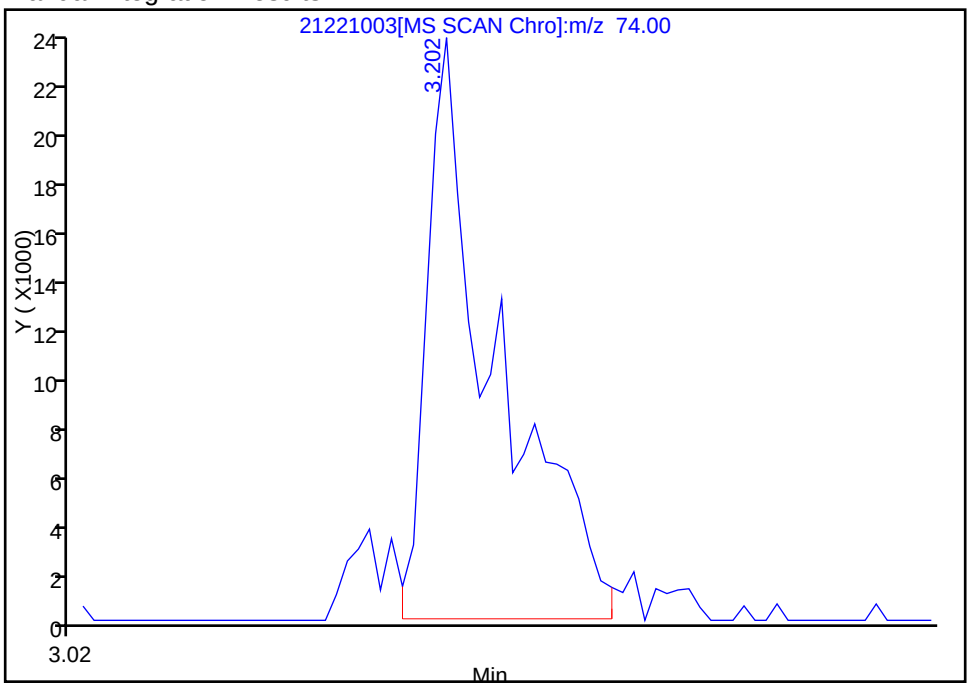
Processing Integration Results

RT: 3.20
Response: 31138
Amount: 1.598092



Manual Integration Results

RT: 3.20
Response: 54158
Amount: 1.681697



Reviewer: ulmanm, 22-Dec-2012 10:08:57
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

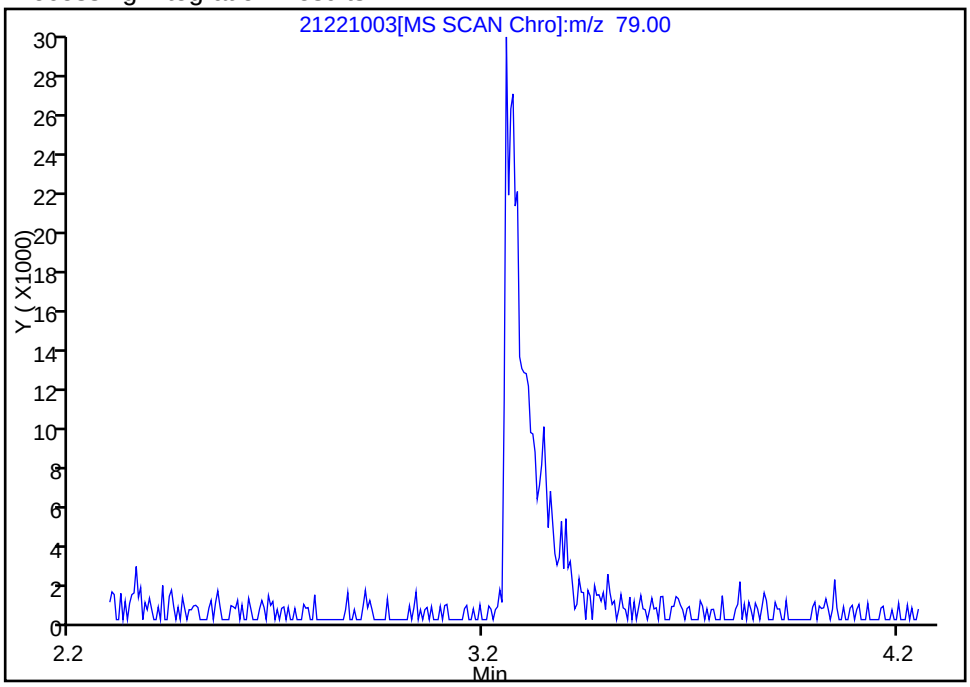
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221003.D		
Injection Date:	21-Dec-2012 14:05:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	3
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

27 Pyridine, Signal: 1, m/z: 79.0 Type: quant, RT: 3.25

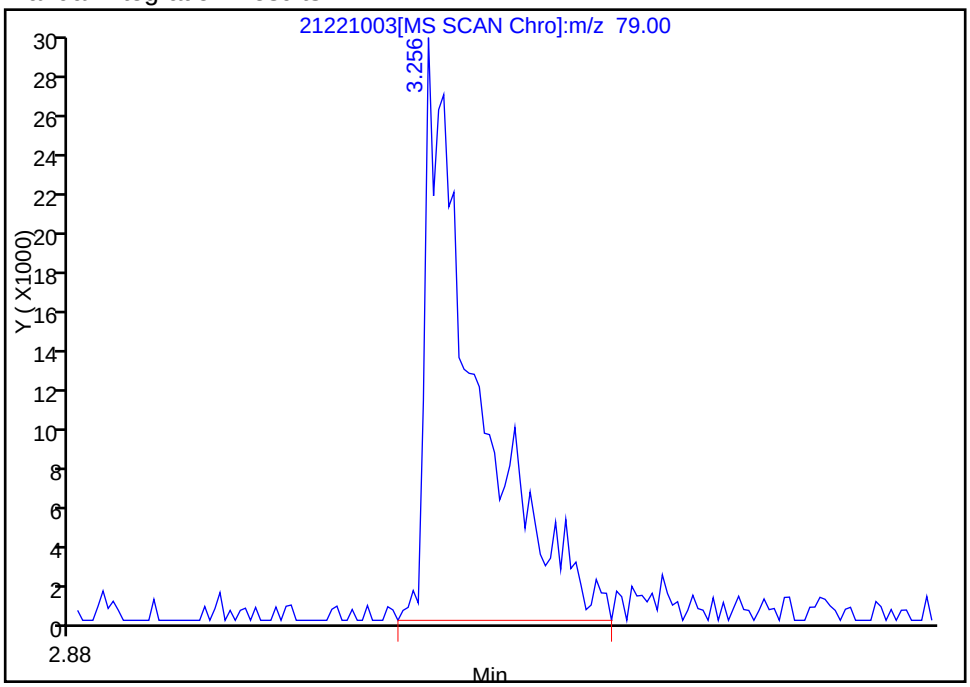
Processing Integration Results

Not Detected
Expected RT: 3.25



Manual Integration Results

RT: 3.26
Response: 110383
Amount: 1.924306



Reviewer: ulmanm, 22-Dec-2012 10:08:57
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

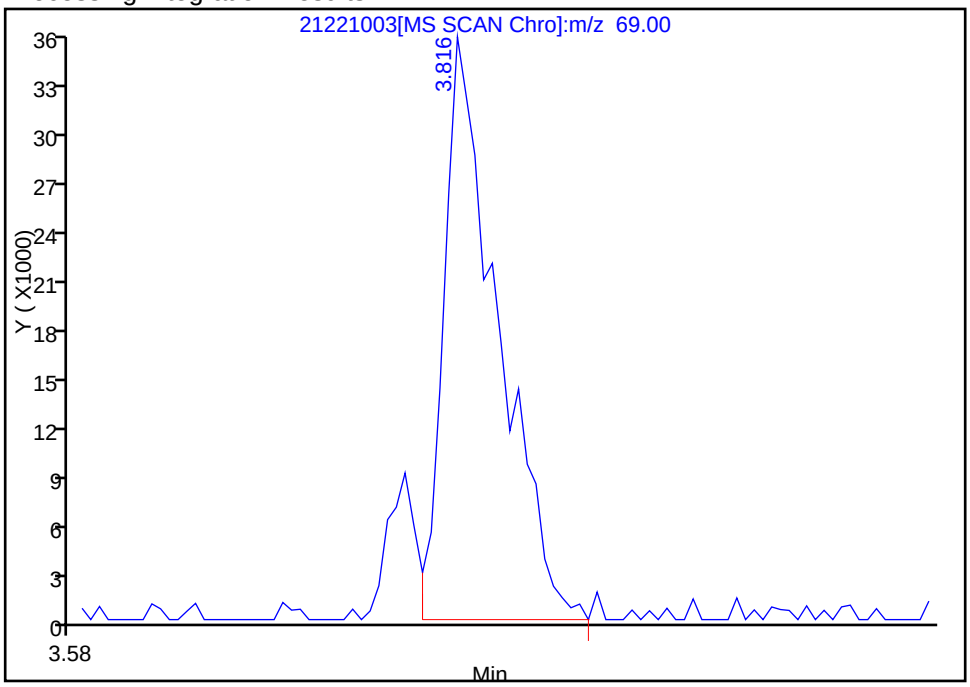
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221003.D		
Injection Date:	21-Dec-2012 14:05:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	3
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

28 Ethyl methacrylate, Signal: 1, m/z: 69.0 Type: quant, RT: 3.82

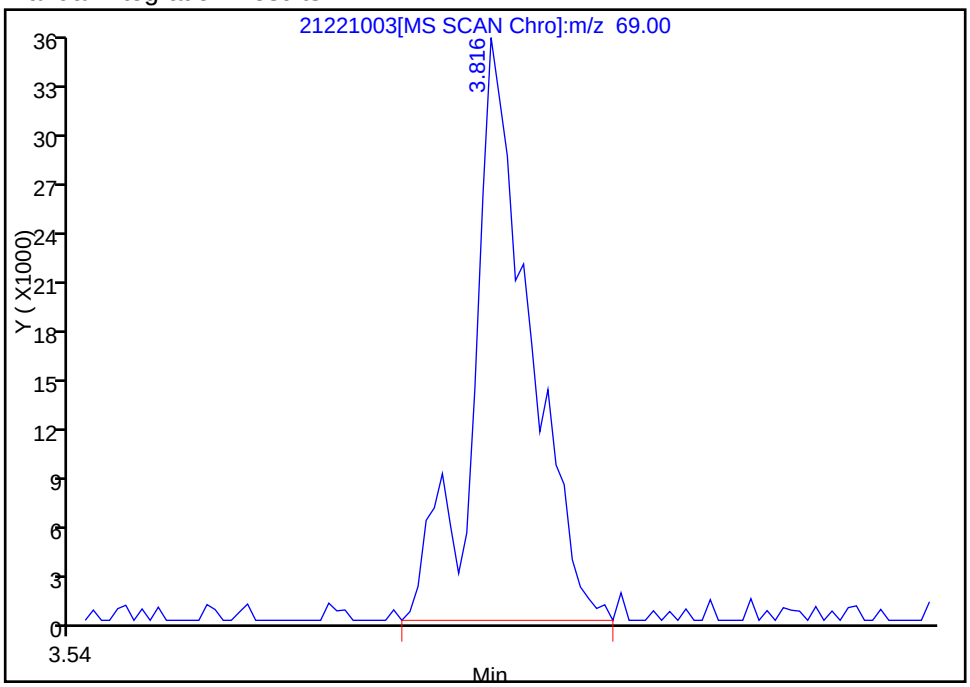
Processing Integration Results

RT: 3.82
Response: 82008
Amount: 1.837894



Manual Integration Results

RT: 3.82
Response: 91716
Amount: 1.855732



Reviewer: ulmanm, 22-Dec-2012 10:08:57
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

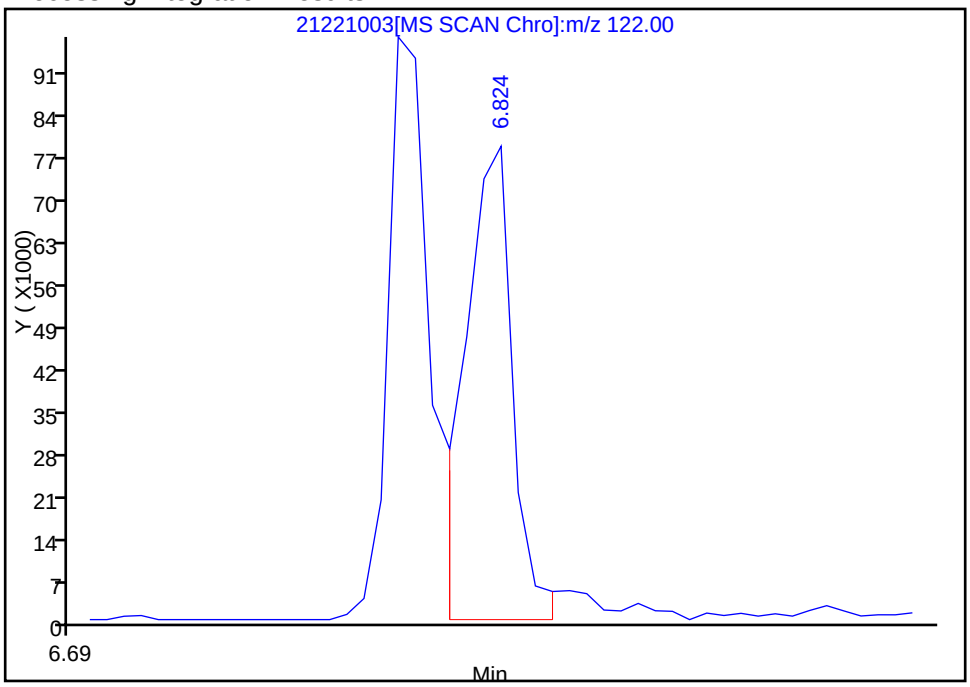
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221003.D		
Injection Date:	21-Dec-2012 14:05:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	3
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

71 Benzoic acid, Signal: 1, m/z: 122.0 Type: quant, RT: 6.83

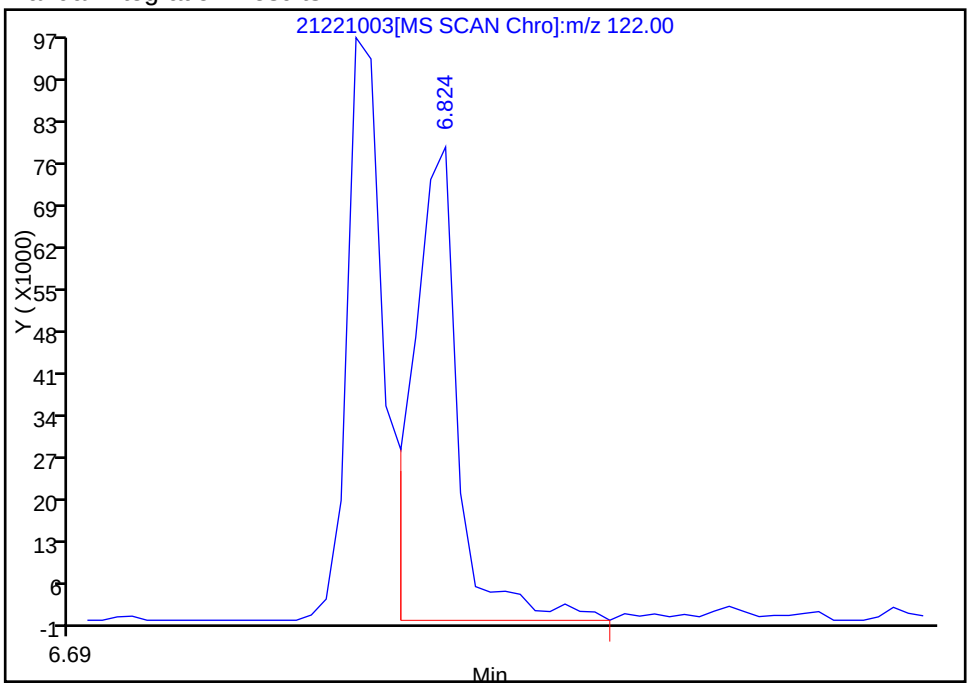
Processing Integration Results

RT: 6.82
Response: 82494
Amount: 3.759238



Manual Integration Results

RT: 6.82
Response: 88203
Amount: 4.072386



Reviewer: ulmanm, 22-Dec-2012 10:08:57
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221004.D
Lims ID: std3 tcl
Client ID:
Inject. Date: 21-Dec-2012 14:29:30
Dil. Factor: 1.0000
Sample Type: IC
Calib Level: 3
Sample ID: 240-0016106-004
Misc. Info.: STD3 TCL =STD3 TCL
Operator: 001574
Instrument ID: A4HP9
Injection Vol: 1.0 ul
ALS Bottle#: 4
Lims Batch ID: 69820
Lims Sample ID: 4
Sublist: chrom-8270 _9*sub13
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121221-16106.b\8270 _9.m
Last Update: 22-Dec-2012 11:07:34
Calib Date: 21-Dec-2012 20:45:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221019.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK002

First Level Reviewer: ulmanm
Date: 22-Dec-2012 10:13:04

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.016	6.014	0.002	87	119132	4.00	
* 2 Naphthalene-d8	136	7.122	7.120	0.002	99	463269	4.00	
* 3 Acenaphthene-d10	164	8.618	8.615	0.003	95	281809	4.00	
* 4 Phenanthrene-d10	188	9.884	9.882	0.002	94	495490	4.00	
* 5 Chrysene-d12	240	12.491	12.494	-0.003	75	504216	4.00	
* 6 Perylene-d12	264	14.617	14.625	-0.008	80	395549	4.00	
$ 7 2-Fluorophenol	112	4.782	4.785	-0.003	80	36226	0.9065	
$ 8 Phenol-d5	99	5.648	5.651	-0.003	0	54224	0.9196	
$ 9 Nitrobenzene-d5	82	6.492	6.495	-0.003	84	68005	0.9605	
$ 10 2-Fluorobiphenyl (Surr)	172	8.025	8.028	-0.003	97	103445	0.9158	
$ 11 2,4,6-Tribromophenol	330	9.280	9.283	-0.003	34	7058	0.9549	
$ 12 Terphenyl-d14	244	11.257	11.260	-0.003	95	102779	0.9002	
25 1,4-Dioxane	88	2.725	2.728	-0.003	57	20718	1.00	M
26 N-Nitrosodimethylamine	74	3.196	3.193	0.003	60	33393	1.06	M
27 Pyridine	79	3.276	3.252	0.024	76	56159	1.00	M
28 Ethyl methacrylate	69	3.821	3.818	0.003	71	47383	0.9807	M
29 3-Chloropropionitrile	54	4.163	4.165	-0.002	75	26033	0.9559	M
33 Malononitrile	66	4.488	4.481	0.007	78	54576	0.8788	M
41 Benzaldehyde	77	5.621	5.624	-0.003	91	57624	1.11	
43 Phenol	94	5.658	5.661	-0.003	89	63171	0.9523	
44 Aniline	93	5.717	5.715	0.002	97	79221	0.9604	
69 Bis(2-chloroethyl)ether	93	5.765	5.763	0.002	86	61293	0.9736	
46 2-Chlorophenol	128	5.819	5.821	-0.002	86	42495	1.06	
47 1,3-Dichlorobenzene	146	5.963	5.966	-0.003	87	52704	1.02	
48 1,4-Dichlorobenzene	146	6.027	6.030	-0.003	79	43253	1.03	
49 Benzyl alcohol	108	6.118	6.115	0.003	87	27218	0.9228	
50 1,2-Dichlorobenzene	146	6.166	6.163	0.003	79	52826	1.05	
51 2-Methylphenol	108	6.203	6.201	0.002	89	44652	1.03	
53 2,2'-oxybis[1-chloropropane]	45	6.235	6.238	-0.003	96	64214	1.01	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
21 3 & 4 Methylphenol	108	6.331	6.329	0.002	84	44221	0.9695	
57 N-Nitrosodi-n-propylamine	70	6.347	6.350	-0.003	72	41256	1.00	
58 Acetophenone	105	6.358	6.356	0.002	86	68746	1.03	
61 Hexachloroethane	117	6.465	6.463	0.002	83	18676	0.8459	
62 Nitrobenzene	77	6.508	6.511	-0.003	74	72786	0.9791	
64 Isophorone	82	6.711	6.708	0.003	93	106201	0.9346	
66 2-Nitrophenol	139	6.786	6.783	0.003	83	16267	1.01	
65 2,4-Dimethylphenol	107	6.796	6.794	0.002	88	49105	1.00	
67 1,3,5-Trichlorobenzene	180	6.796	6.794	0.002	78	45010	1.00	
71 Benzoic acid	122	6.812	6.831	-0.019	81	31836	2.06	M
70 Bis(2-chloroethoxy)methane	93	6.882	6.885	-0.003	97	74437	0.9660	
73 2,4-Dichlorophenol	162	6.983	6.981	0.002	85	26196	0.8704	
74 1,2,4-Trichlorobenzene	180	7.063	7.066	-0.003	85	42862	0.9703	
75 Naphthalene	128	7.138	7.141	-0.003	96	120733	0.9896	
76 4-Chloroaniline	127	7.170	7.168	0.002	73	44417	0.9123	
79 Hexachlorobutadiene	225	7.234	7.237	-0.003	82	23855	0.9723	
80 1,2,3-Trichlorobenzene	180	7.261	7.259	0.002	78	42008	0	
84 Caprolactam	113	7.443	7.445	-0.002	60	10620	1.03	
86 4-Chloro-3-methylphenol	107	7.555	7.558	-0.003	80	37637	0.9263	
87 2-Methylnaphthalene	142	7.726	7.729	-0.003	82	77494	0.9619	
88 1-Methylnaphthalene	142	7.811	7.814	-0.003	81	72544	0.9593	
89 Hexachlorocyclopentadiene	237	7.854	7.857	-0.003	72	24475	0.8928	
90 1,2,3,5-Tetrachlorobenzene	216	7.854	7.857	-0.003	90	47611	1.02	
92 2,4,6-Trichlorophenol	196	7.955	7.953	0.002	81	24474	1.04	
93 2,4,5-Trichlorophenol	196	7.982	7.985	-0.003	87	23329	0.9211	
97 2,4-Toluene diamine	121	8.094	8.097	-0.003	90	26107	1.15	
99 1,2,3,4 -Tetrachlorobenzene	216	8.110	8.113	-0.003	82	43689	0	
98 1,1'-Biphenyl	154	8.116	8.119	-0.003	93	94122	0.8924	
100 2-Chloronaphthalene	162	8.142	8.145	-0.003	94	88607	0.9563	
102 2-Nitroaniline	65	8.212	8.215	-0.003	65	23636	0.9718	
105 Dimethyl phthalate	163	8.351	8.354	-0.003	90	79624	0.9554	
107 2,6-Dinitrotoluene	165	8.410	8.412	-0.002	76	18035	1.11	
108 1,2-Dinitrobenzene	168	8.463	8.461	0.003	80	8963	0.7805	
109 Acenaphthylene	152	8.500	8.498	0.002	93	126502	0.9474	
110 3-Nitroaniline	138	8.559	8.562	-0.003	82	17467	0.8753	
112 Acenaphthene	153	8.645	8.647	-0.002	90	79160	0.9304	
111 2,4-Dinitrophenol	184	8.645	8.647	-0.002	37	13574	2.54	
113 4-Nitrophenol	109	8.666	8.669	-0.003	84	11853	1.07	
114 2,4-Dinitrotoluene	165	8.751	8.754	-0.003	64	24060	1.04	
116 Dibenzofuran	168	8.789	8.792	-0.003	84	113492	0.9567	
118 2,3,5,6-Tetrachlorophenol	232	8.848	8.845	0.003	68	21198	0.9740	
121 Diethyl phthalate	149	8.944	8.947	-0.003	92	83637	0.9379	
123 4-Chlorophenyl phenyl ether	204	9.067	9.070	-0.003	87	56120	1.00	
125 4-Nitroaniline	138	9.072	9.075	-0.003	71	17145	1.08	
126 Fluorene	166	9.083	9.080	0.003	78	88364	0.9777	
128 4,6-Dinitro-2-methylphenol	198	9.099	9.102	-0.003	4	8731	1.24	
131 N-Nitrosodiphenylamine	169	9.163	9.160	0.003	87	64805	0.9495	
132 1,2-Diphenylhydrazine	77	9.200	9.203	-0.003	99	132920	0.9558	
133 Azobenzene	77	9.200	9.203	-0.003	94	132920	0.9558	
139 4-Bromophenyl phenyl ether	248	9.483	9.486	-0.003	62	30684	1.03	
141 Hexachlorobenzene	284	9.547	9.550	-0.003	69	25985	0.9107	
142 Atrazine	200	9.590	9.593	-0.003	62	20096	1.07	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	9.708	9.705	0.003	78	28442	2.18	
148 Phenanthrene	178	9.905	9.903	0.002	85	129567	0.9409	
149 Anthracene	178	9.948	9.951	-0.003	84	122472	0.9007	
151 Carbazole	167	10.071	10.068	0.003	83	116657	0.9344	
154 Di-n-butyl phthalate	149	10.327	10.325	0.002	96	129839	0.8433	
159 Fluoranthene	202	10.920	10.923	-0.003	97	134269	0.8841	
160 Benzidine	184	11.016	11.019	-0.003	72	33344	1.04	
161 Pyrene	202	11.139	11.142	-0.003	94	140475	0.8564	
168 Butyl benzyl phthalate	149	11.748	11.751	-0.003	89	55195	0.8672	
172 3,3'-Dimethoxybenzidine	244	12.373	12.376	-0.003	47	19632	1.14	M
175 3,3'-Dichlorobenzidine	252	12.421	12.424	-0.003	60	45219	0.8807	
174 4,4'-Methylene bis(2-chloroanili	231	12.421	12.424	-0.003	62	19106	0.9852	
173 Bis(2-ethylhexyl) phthalate	149	12.437	12.446	-0.009	91	76075	0.8204	
177 Benzo[a]anthracene	228	12.475	12.478	-0.003	74	134441	1.01	
178 Chrysene	228	12.528	12.531	-0.003	88	130125	0.9215	
180 Di-n-octyl phthalate	149	13.378	13.375	0.003	94	112863	1.03	
182 Benzo[b]fluoranthene	252	14.024	14.027	-0.003	88	122407	0.9280	
183 Benzo[k]fluoranthene	252	14.062	14.070	-0.008	87	123213	0.9194	
184 Benzo[a]pyrene	252	14.537	14.535	0.003	62	110740	0.9231	
188 Indeno[1,2,3-cd]pyrene	276	16.316	16.335	-0.019	81	111872	0.8417	M
189 Dibenz(a,h)anthracene	278	16.359	16.362	-0.003	1	90460	0.8797	M
190 Benzo[g,h,i]perylene	276	16.802	16.805	-0.003	73	97068	1.00	M
S 191 Methyl Phenols,Total	100				0		2.00	

QC Flag Legend

Review Flags
M - Manually Integrated

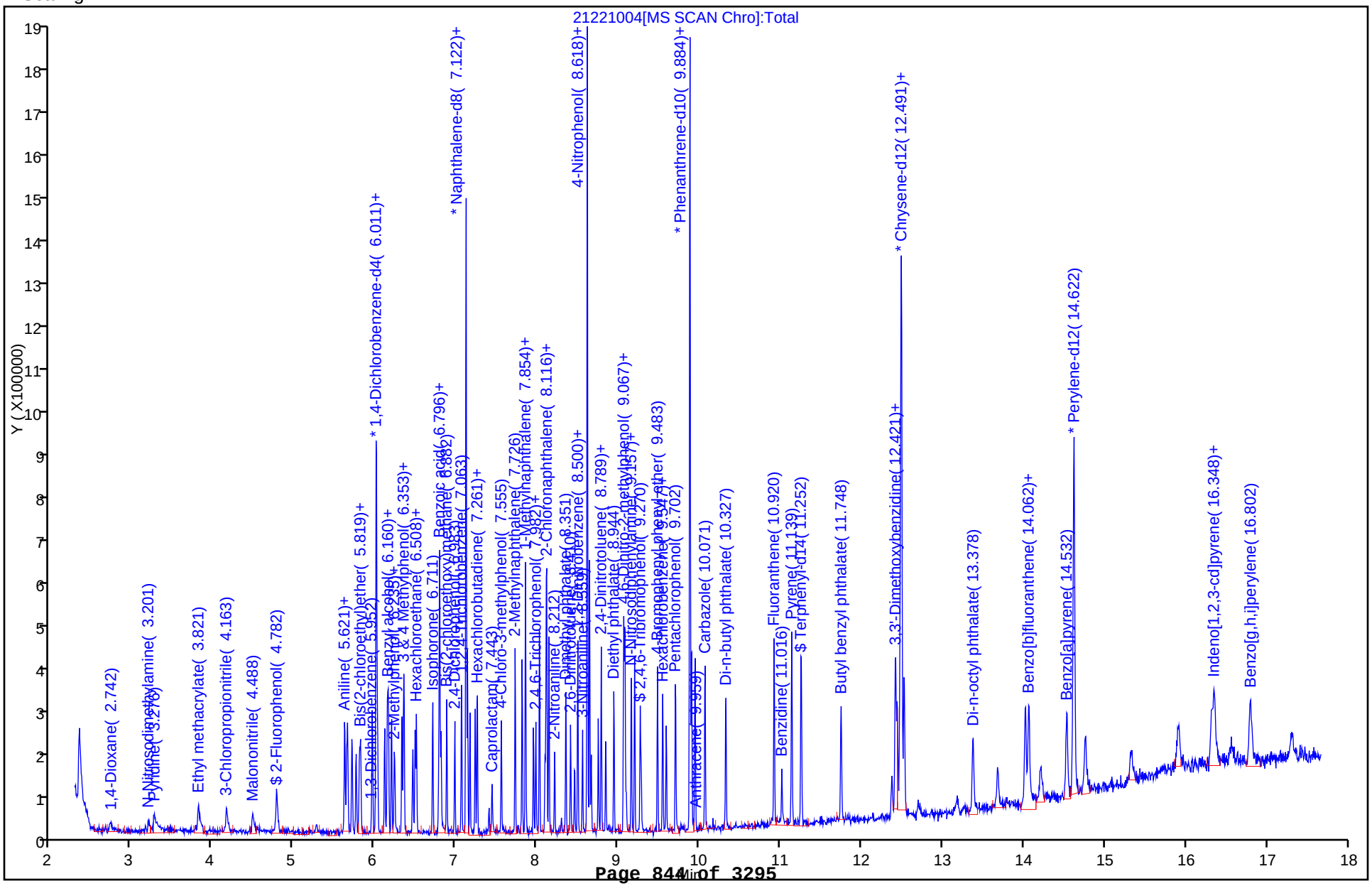
Report Date: 22-Dec-2012 11:07:35 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221004.D

Injection Date:	21-Dec-2012 14:29:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	4
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

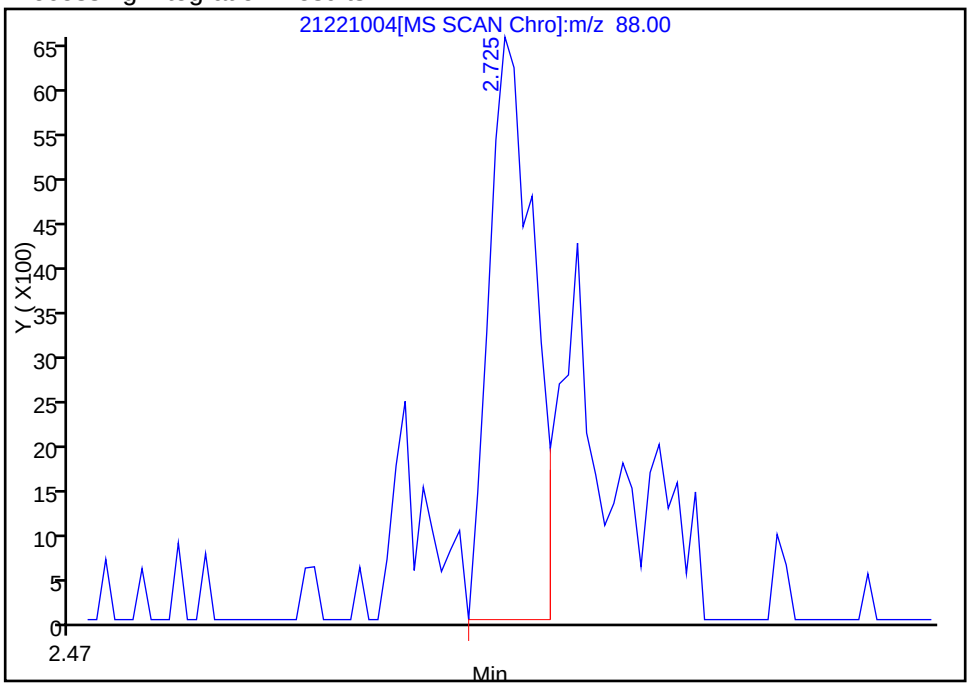
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221004.D		
Injection Date:	21-Dec-2012 14:29:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	4
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

25 1,4-Dioxane, Signal: 1, m/z: 88.0 Type: quant, RT: 2.73

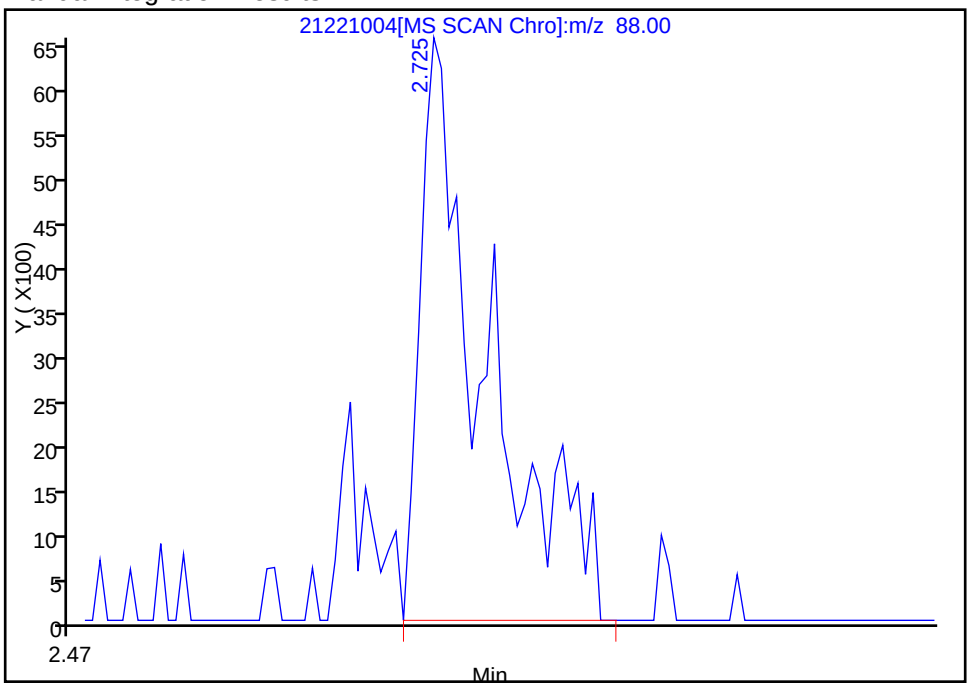
Processing Integration Results

RT: 2.73
Response: 11812
Amount: 0.602866



Manual Integration Results

RT: 2.73
Response: 20718
Amount: 0.997595



Reviewer: ulmanm, 22-Dec-2012 10:13:04
Audit Action: Manually Integrated
Audit Reason: Wrong Isomer

Manual Integration/User Assign Peak Report

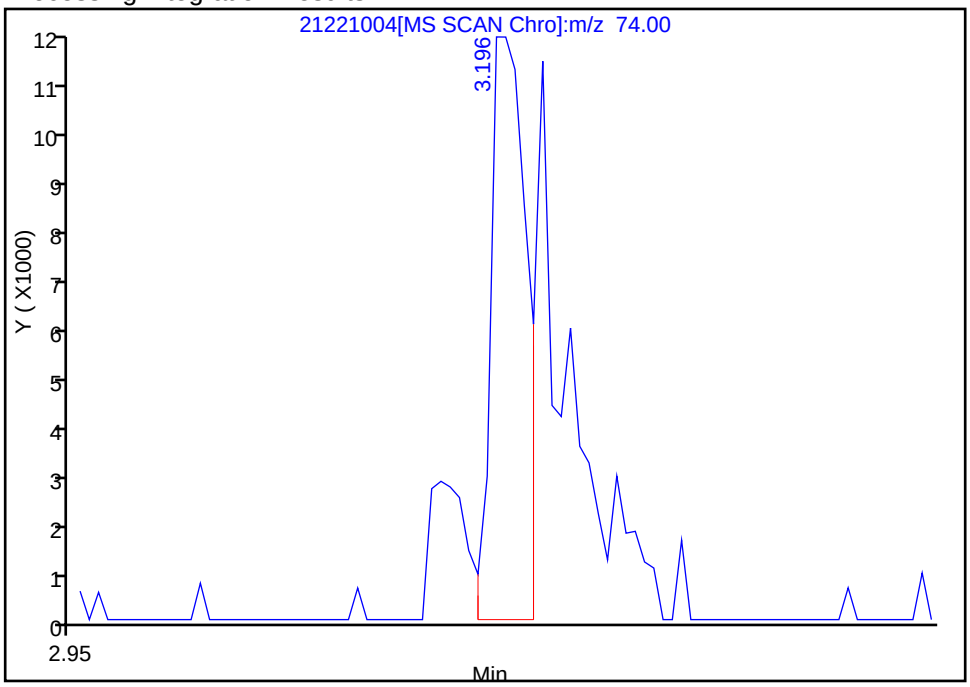
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221004.D		
Injection Date:	21-Dec-2012 14:29:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	4
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

26 N-Nitrosodimethylamine, Signal: 1, m/z: 74.0 Type: quant, RT: 3.19

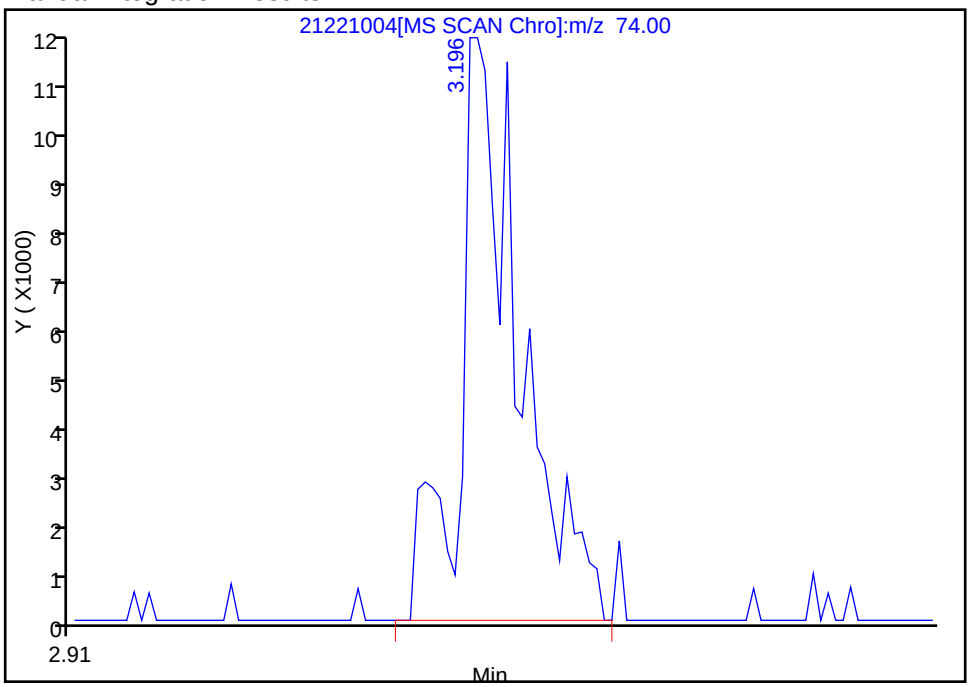
Processing Integration Results

RT: 3.20
Response: 16172
Amount: 0.873307



Manual Integration Results

RT: 3.20
Response: 33393
Amount: 1.060636



Reviewer: ulmanm, 22-Dec-2012 10:13:04
Audit Action: Manually Integrated
Audit Reason: Wrong Isomer

Manual Integration/User Assign Peak Report

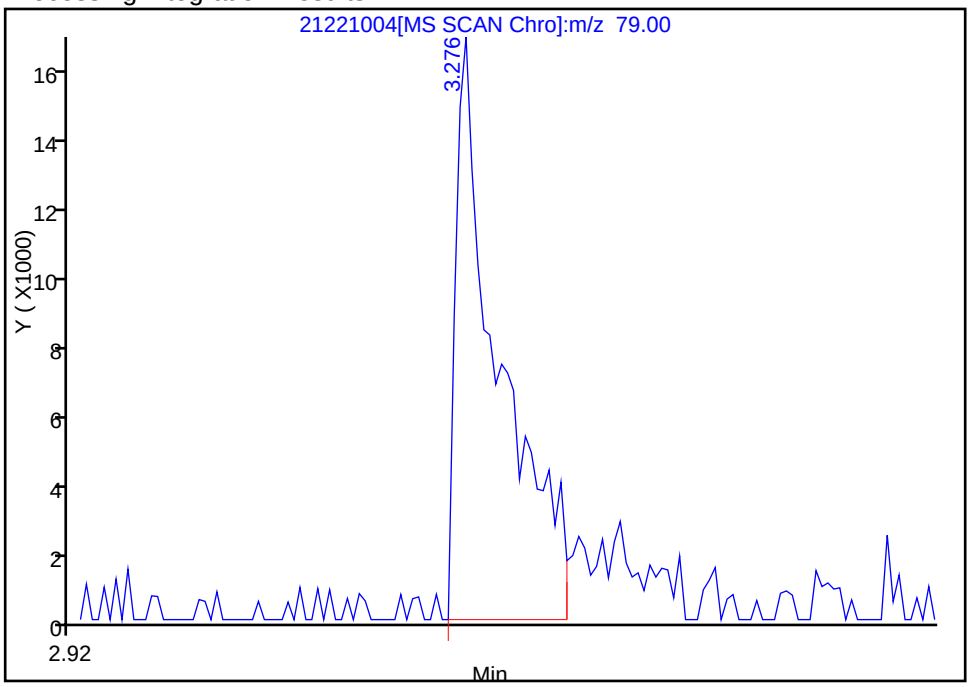
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221004.D		
Injection Date:	21-Dec-2012 14:29:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	4
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

27 Pyridine, Signal: 1, m/z: 79.0 Type: quant, RT: 3.25

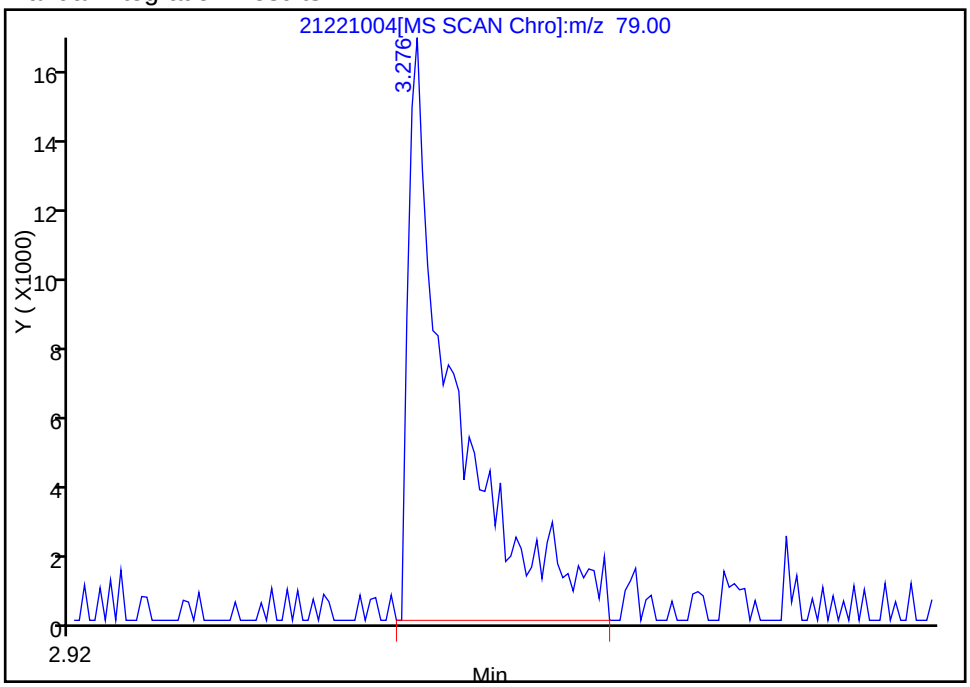
Processing Integration Results

RT: 3.28
Response: 46126
Amount: 1.008358



Manual Integration Results

RT: 3.28
Response: 56159
Amount: 1.001422



Reviewer: ulmanm, 22-Dec-2012 10:13:04
Audit Action: Manually Integrated
Audit Reason: Wrong Isomer

Manual Integration/User Assign Peak Report

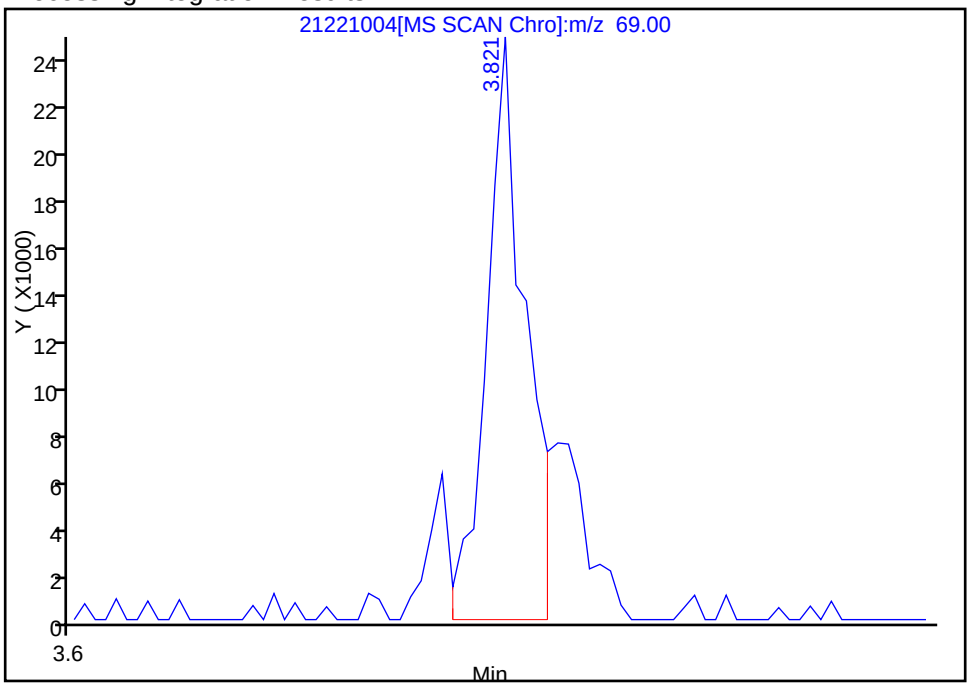
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221004.D		
Injection Date:	21-Dec-2012 14:29:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	4
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

28 Ethyl methacrylate, Signal: 1, m/z: 69.0 Type: quant, RT: 3.82

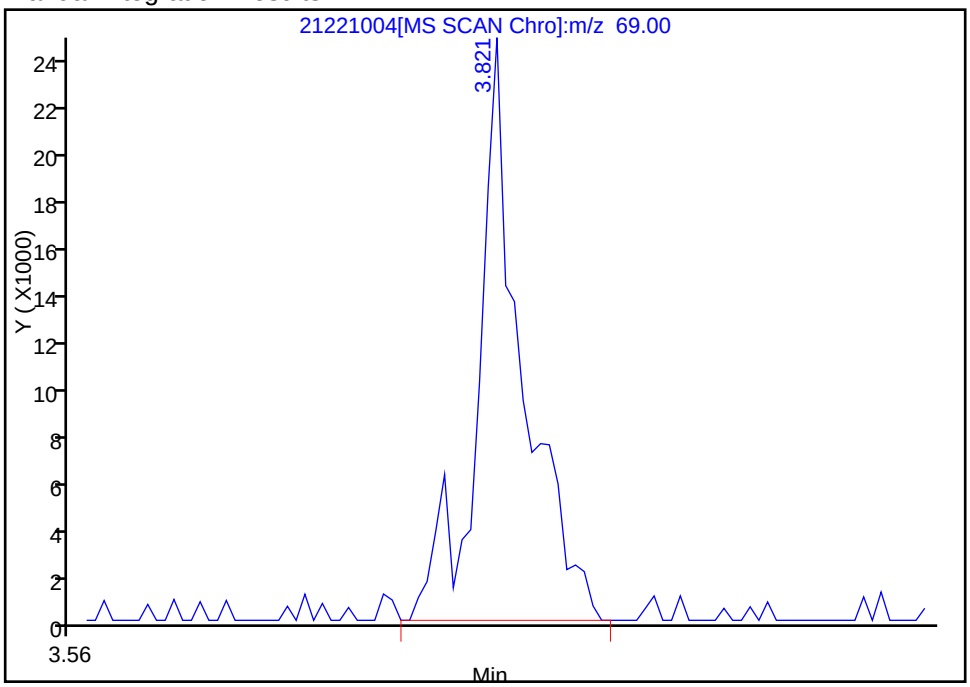
Processing Integration Results

RT: 3.82
Response: 34289
Amount: 0.774011



Manual Integration Results

RT: 3.82
Response: 47383
Amount: 0.980660



Reviewer: ulmanm, 22-Dec-2012 10:13:04
Audit Action: Manually Integrated
Audit Reason: Wrong Isomer

Manual Integration/User Assign Peak Report

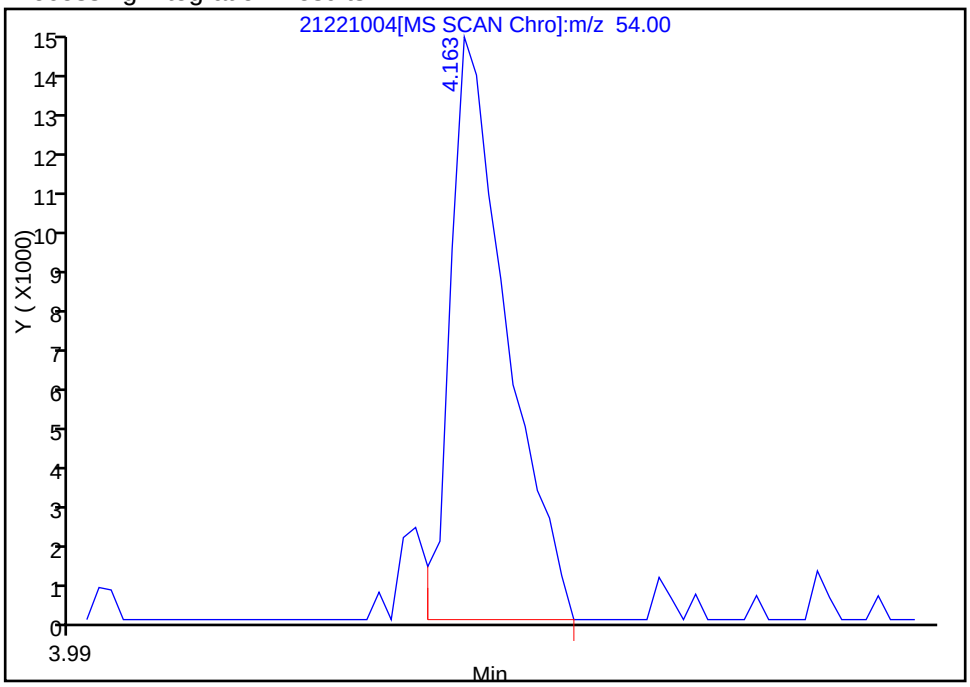
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221004.D		
Injection Date:	21-Dec-2012 14:29:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	4
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

29 3-Chloropropionitrile, Signal: 1, m/z: 54.0 Type: quant, RT: 4.17

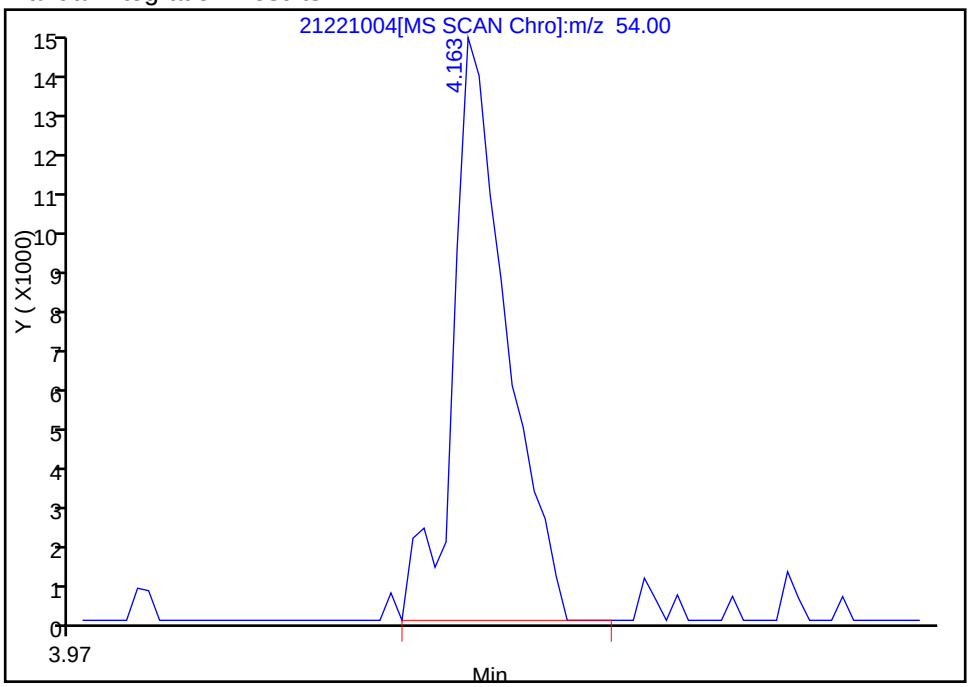
Processing Integration Results

RT: 4.16
Response: 24644
Amount: 0.939887



Manual Integration Results

RT: 4.16
Response: 26033
Amount: 0.955873



Reviewer: ulmanm, 22-Dec-2012 10:13:04
Audit Action: Manually Integrated
Audit Reason: Wrong Isomer

Manual Integration/User Assign Peak Report

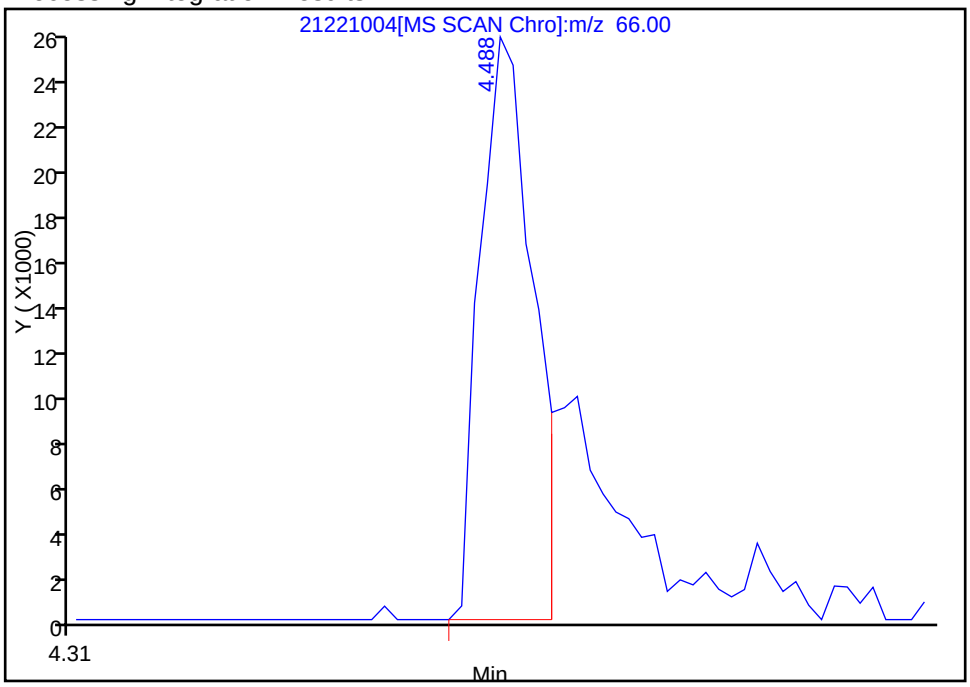
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221004.D		
Injection Date:	21-Dec-2012 14:29:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	4
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

33 Malononitrile, Signal: 1, m/z: 66.0 Type: quant, RT: 4.48

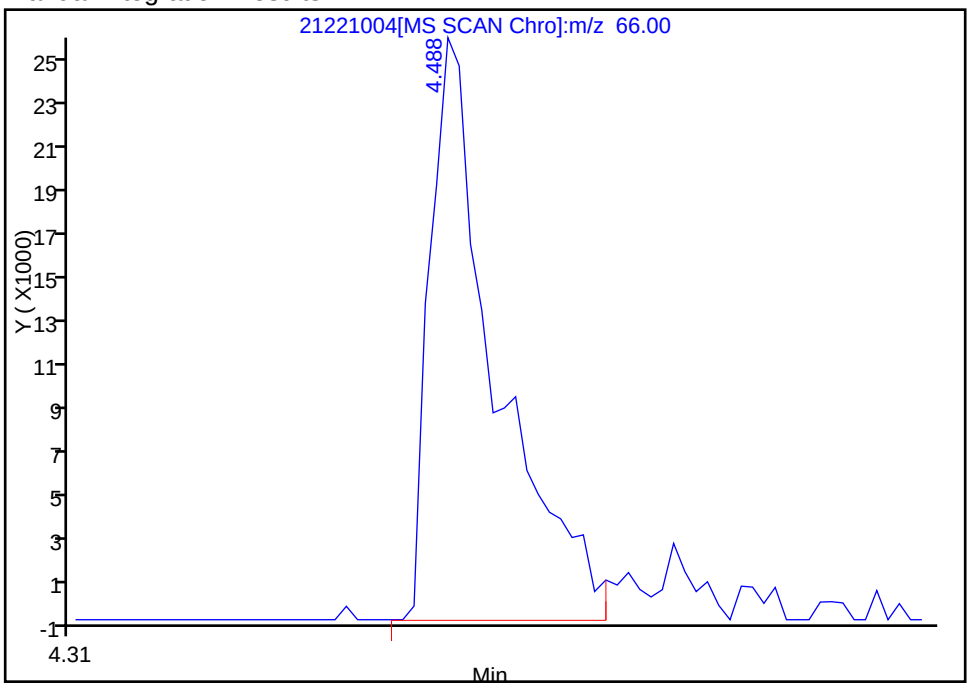
Processing Integration Results

RT: 4.49
Response: 38525
Amount: 0.959598



Manual Integration Results

RT: 4.49
Response: 54576
Amount: 0.878847



Reviewer: ulmanm, 22-Dec-2012 10:13:04
Audit Action: Manually Integrated
Audit Reason: Wrong Isomer

Manual Integration/User Assign Peak Report

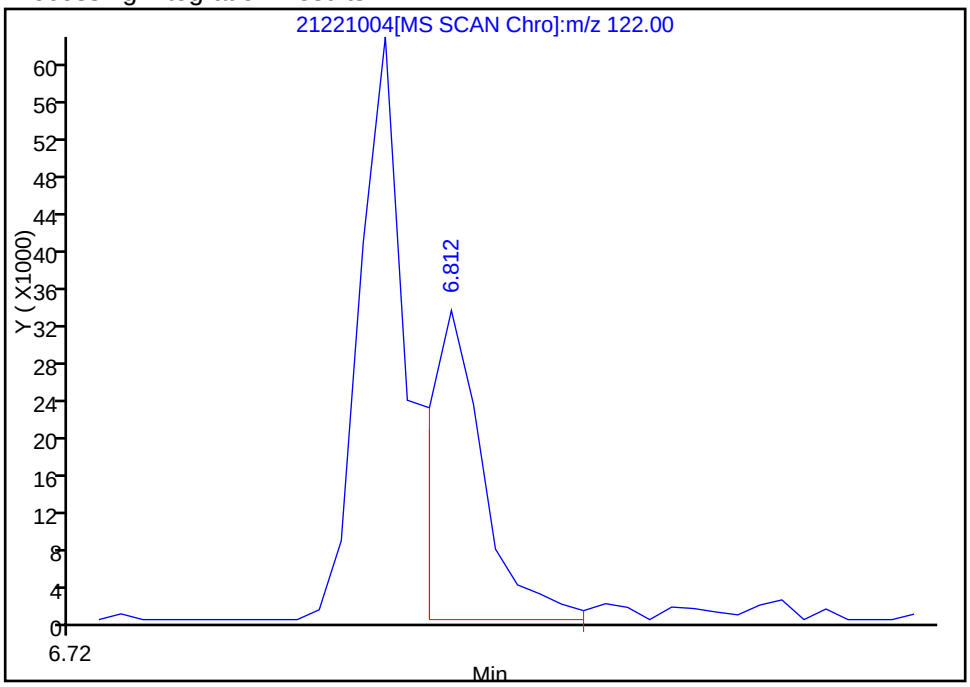
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221004.D		
Injection Date:	21-Dec-2012 14:29:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	4
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

71 Benzoic acid, Signal: 1, m/z: 122.0 Type: quant, RT: 6.83

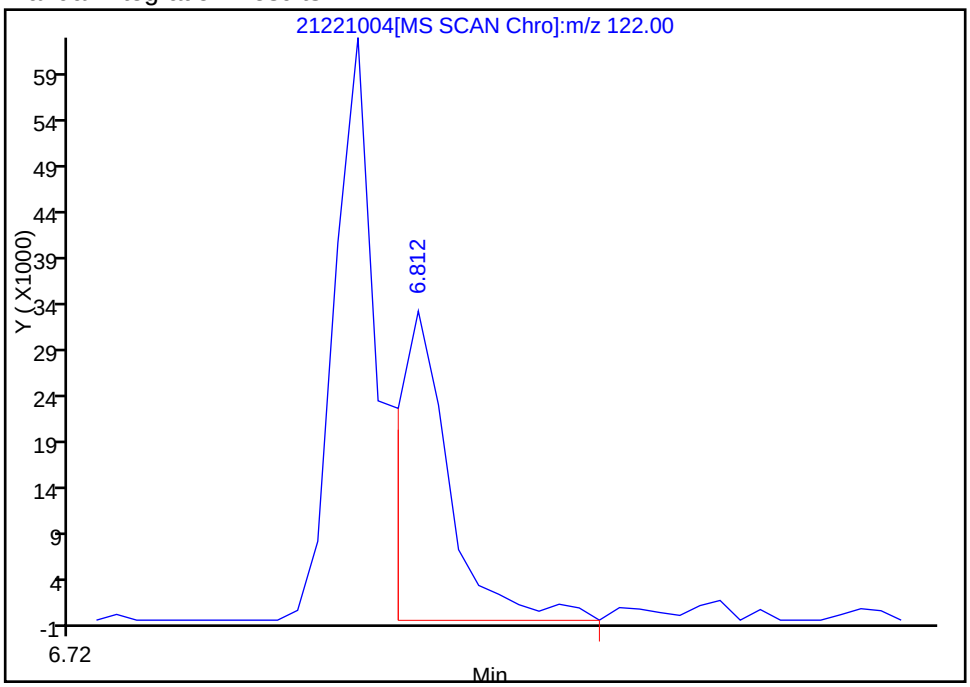
Processing Integration Results

RT: 6.81
Response: 30793
Amount: 1.458983



Manual Integration Results

RT: 6.81
Response: 31836
Amount: 2.064315



Reviewer: ulmanm, 22-Dec-2012 10:13:04
Audit Action: Manually Integrated
Audit Reason: Wrong Isomer

Manual Integration/User Assign Peak Report

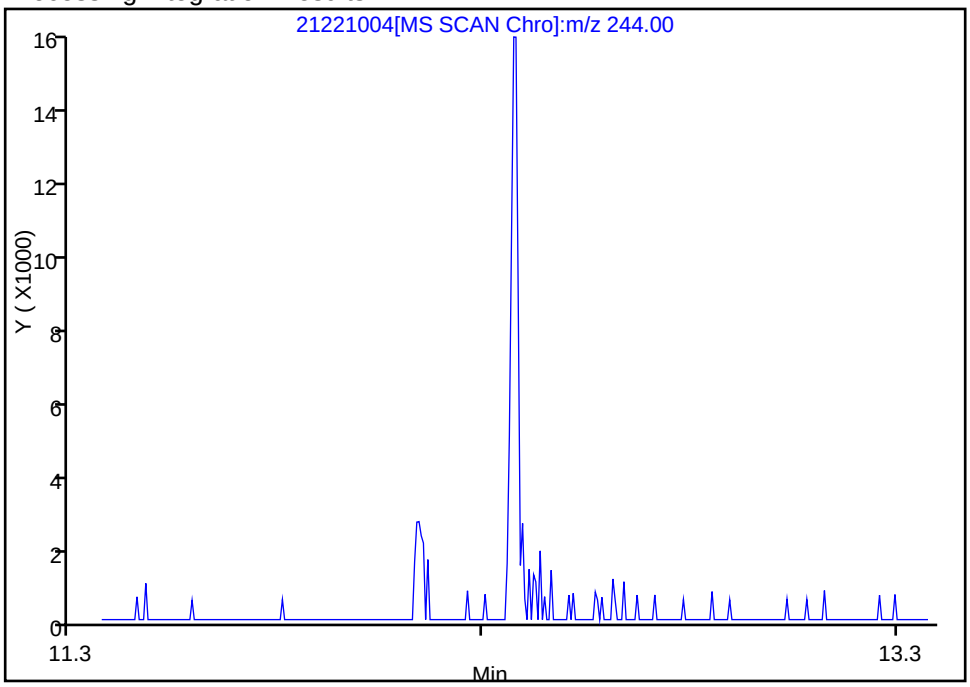
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221004.D		
Injection Date:	21-Dec-2012 14:29:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	4
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

172 3,3'-Dimethoxybenzidine, Signal: 1, m/z: 244.0 Type: quant, RT: 12.38

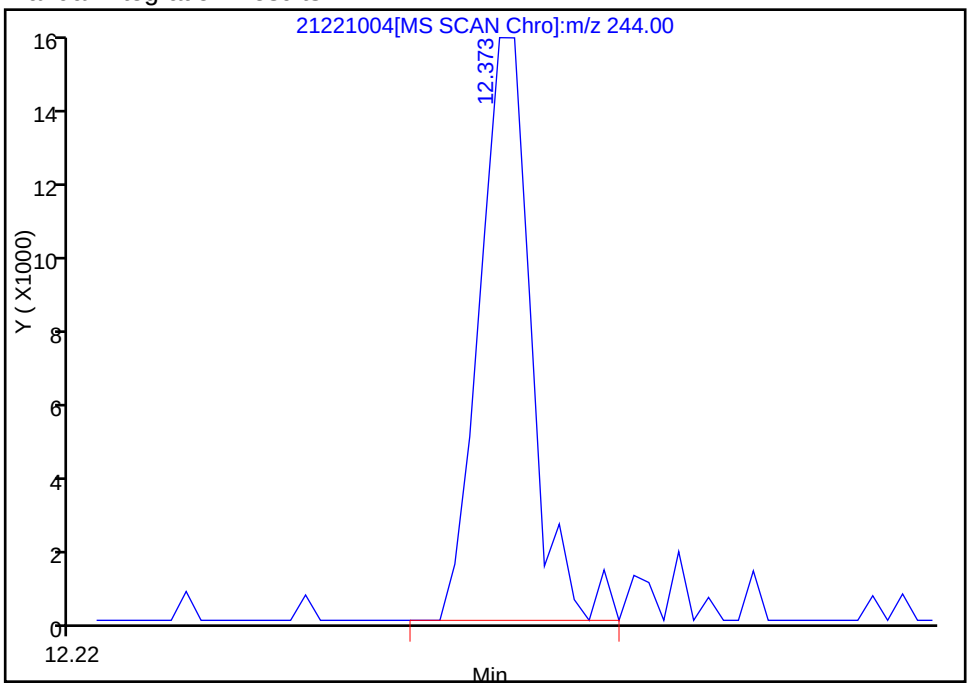
Processing Integration Results

Not Detected
Expected RT: 12.38



Manual Integration Results

RT: 12.37
Response: 19632
Amount: 1.135881



Reviewer: ulmanm, 22-Dec-2012 10:13:04
Audit Action: Manually Integrated
Audit Reason: Wrong Isomer

Manual Integration/User Assign Peak Report

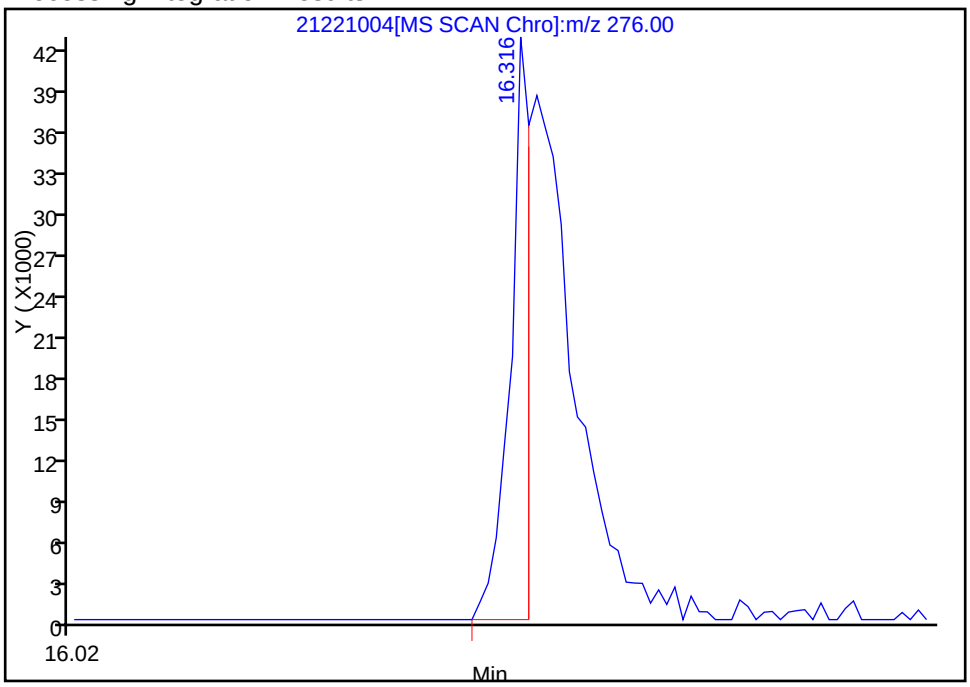
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221004.D		
Injection Date:	21-Dec-2012 14:29:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	4
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

188 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 16.33

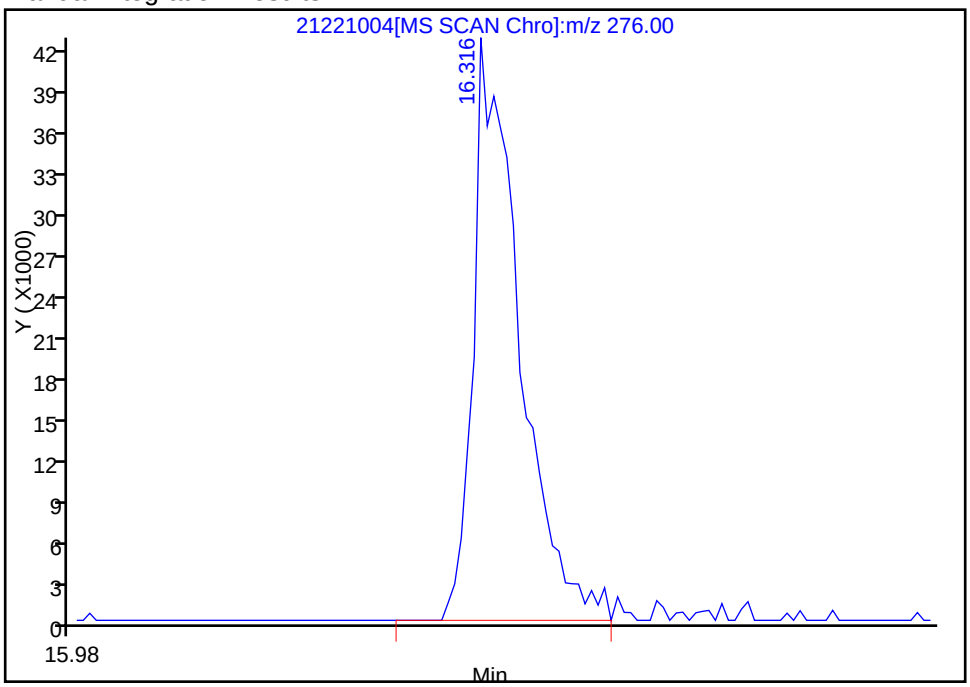
Processing Integration Results

RT: 16.32
Response: 38686
Amount: 0.740595



Manual Integration Results

RT: 16.32
Response: 111872
Amount: 0.841714



Reviewer: ulmanm, 22-Dec-2012 10:13:04
Audit Action: Manually Integrated
Audit Reason: Wrong Isomer

Manual Integration/User Assign Peak Report

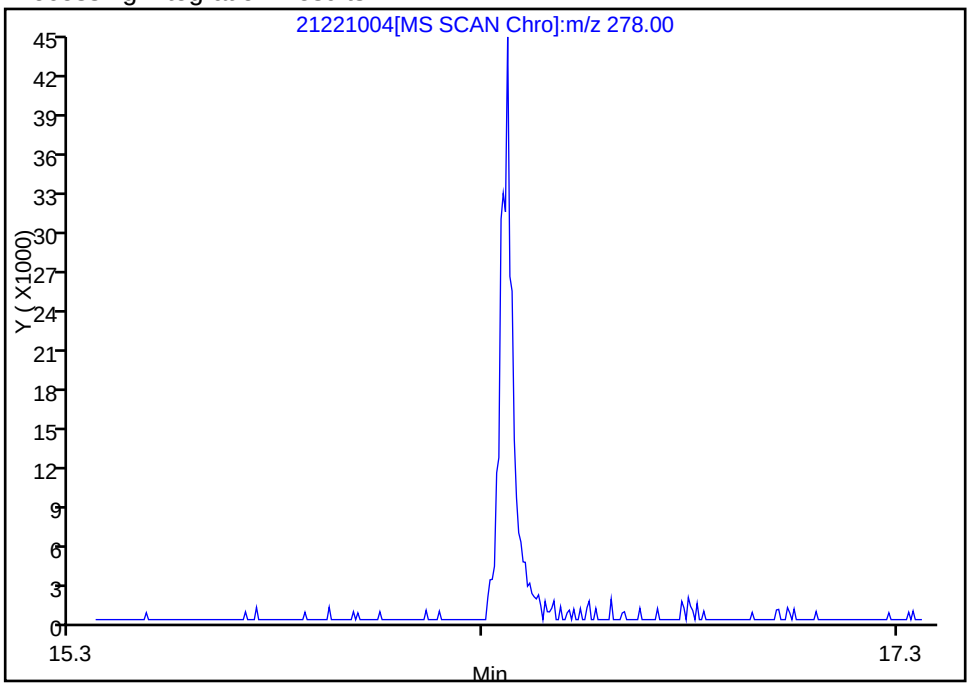
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221004.D		
Injection Date:	21-Dec-2012 14:29:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	4
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

189 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 16.36

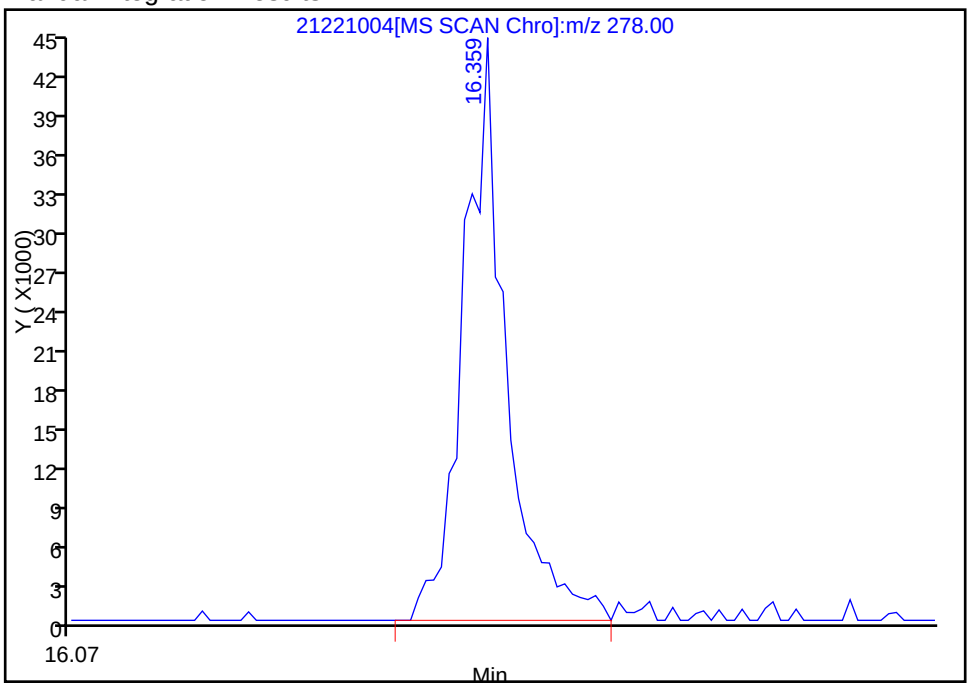
Processing Integration Results

Not Detected
Expected RT: 16.36



Manual Integration Results

RT: 16.36
Response: 90460
Amount: 0.879678



Reviewer: ulmanm, 22-Dec-2012 10:13:04
Audit Action: Manually Integrated
Audit Reason: Wrong Isomer

Manual Integration/User Assign Peak Report

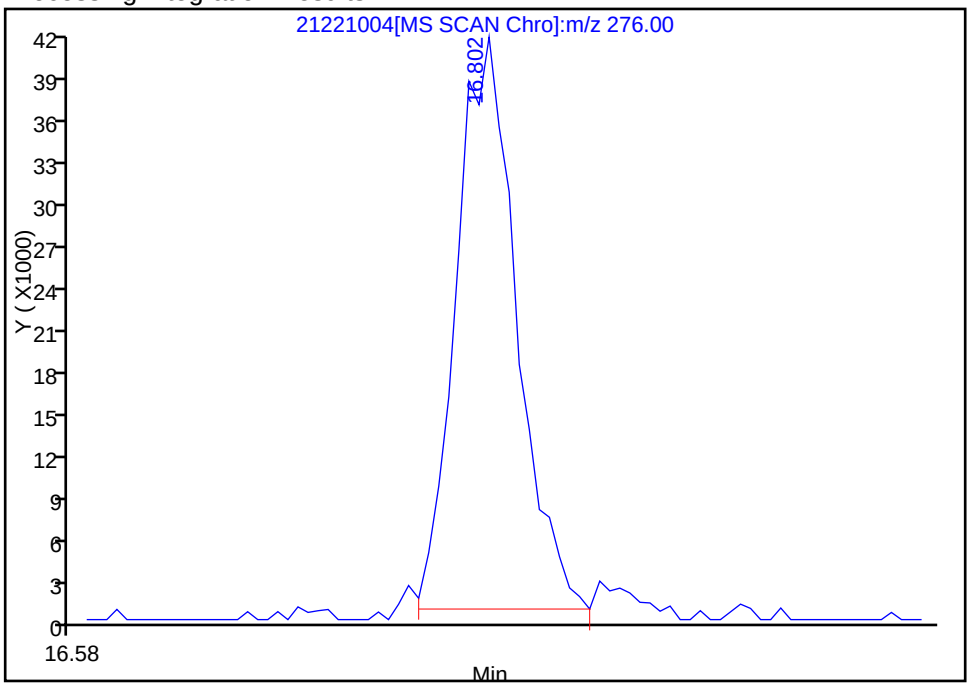
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221004.D		
Injection Date:	21-Dec-2012 14:29:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	4
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

190 Benzo[g,h,i]perylene, Signal: 1, m/z: 276.0 Type: quant, RT: 16.80

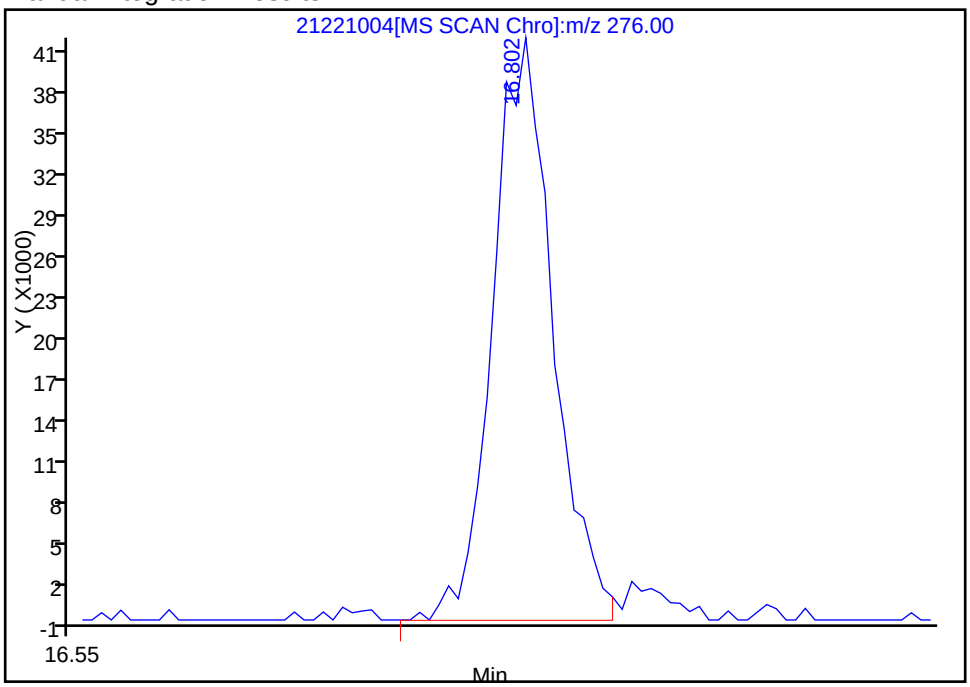
Processing Integration Results

RT: 16.80
Response: 91423
Amount: 1.074838



Manual Integration Results

RT: 16.80
Response: 97068
Amount: 0.995087



Reviewer: ulmanm, 22-Dec-2012 10:13:04
Audit Action: Manually Integrated
Audit Reason: Wrong Isomer

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221005.D
Lims ID: std2 tcl
Client ID:
Inject. Date: 21-Dec-2012 14:55:30
Dil. Factor: 1.0000
Sample Type: IC
Calib Level: 2
Sample ID: 240-0016106-005
Misc. Info.: STD2 TCL =STD2 TCL
Operator: 001574
Instrument ID: A4HP9
Injection Vol: 1.0 ul
ALS Bottle#: 5
Lims Batch ID: 69820
Lims Sample ID: 5
Sublist: chrom-8270 _9*sub13
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121221-16106.b\8270 _9.m
Last Update: 22-Dec-2012 11:07:37
Calib Date: 21-Dec-2012 20:45:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221019.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK002

First Level Reviewer: ulmanm
Date: 22-Dec-2012 10:17:08

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.013	6.014	-0.001	94	134676	4.00	
* 2 Naphthalene-d8	136	7.119	7.120	-0.001	98	503791	4.00	
* 3 Acenaphthene-d10	164	8.615	8.615	-0.001	76	303204	4.00	
* 4 Phenanthrene-d10	188	9.886	9.882	0.004	95	542065	4.00	
* 5 Chrysene-d12	240	12.493	12.494	-0.001	77	519195	4.00	
* 6 Perylene-d12	264	14.619	14.625	-0.006	80	422388	4.00	
$ 7 2-Fluorophenol	112	4.784	4.785	-0.001	63	20274	0.4488	
$ 8 Phenol-d5	99	5.650	5.651	-0.001	0	31149	0.4673	
$ 9 Nitrobenzene-d5	82	6.494	6.495	-0.001	69	31249	0.4059	
$ 10 2-Fluorobiphenyl (Surr)	172	8.027	8.028	-0.001	94	55023	0.4527	
$ 11 2,4,6-Tribromophenol	330	9.282	9.283	-0.001	15	4467	0.6532	
$ 12 Terphenyl-d14	244	11.254	11.260	-0.006	88	57111	0.4858	
25 1,4-Dioxane	88	2.722	2.728	-0.006	0	10428	0.4442	M
26 N-Nitrosodimethylamine	74	3.203	3.193	0.010	0	15740	0.4422	M
27 Pyridine	79	3.315	3.252	0.063	59	28625	0.4515	M
28 Ethyl methacrylate	69	3.817	3.818	-0.001	0	27000	0.4943	M
29 3-Chloropropionitrile	54	4.165	4.165	-0.001	76	13920	0.4521	
33 Malononitrile	66	4.485	4.481	0.004	86	28368	0.4041	M
41 Benzaldehyde	77	5.623	5.624	-0.001	84	29259	0.4991	
43 Phenol	94	5.660	5.661	-0.001	84	35372	0.4717	
44 Aniline	93	5.714	5.715	-0.001	90	41935	0.4497	
69 Bis(2-chloroethyl)ether	93	5.767	5.763	0.004	87	34725	0.4879	
46 2-Chlorophenol	128	5.815	5.821	-0.006	79	18583	0.4108	
47 1,3-Dichlorobenzene	146	5.965	5.966	-0.001	84	30648	0.5242	
48 1,4-Dichlorobenzene	146	6.029	6.030	-0.001	63	22558	0.4750	
49 Benzyl alcohol	108	6.114	6.115	-0.001	87	15239	0.4570	
50 1,2-Dichlorobenzene	146	6.162	6.163	-0.001	73	27417	0.4835	
51 2-Methylphenol	108	6.205	6.201	0.004	88	20382	0.4144	
53 2,2'-oxybis[1-chloropropane]	45	6.237	6.238	-0.001	89	36294	0.5072	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
21 3 & 4 Methylphenol	108	6.328	6.329	-0.001	68	20307	0.3938	
57 N-Nitrosodi-n-propylamine	70	6.344	6.350	-0.006	71	17937	0.3861	
58 Acetophenone	105	6.355	6.356	-0.001	86	31630	0.4200	
61 Hexachloroethane	117	6.467	6.463	0.004	77	11667	0.4675	
62 Nitrobenzene	77	6.510	6.511	-0.001	74	36988	0.4575	
64 Isophorone	82	6.707	6.708	-0.001	87	56026	0.4534	
66 2-Nitrophenol	139	6.787	6.783	0.004	71	7604	0.5255	
65 2,4-Dimethylphenol	107	6.793	6.794	-0.001	83	22722	0.4237	
67 1,3,5-Trichlorobenzene	180	6.793	6.794	-0.001	79	26913	0.5474	
71 Benzoic acid	122		6.831					9
70 Bis(2-chloroethoxy)methane	93	6.884	6.885	-0.001	92	42725	0.5098	
73 2,4-Dichlorophenol	162	6.985	6.981	0.004	80	14221	0.4345	
74 1,2,4-Trichlorobenzene	180	7.065	7.066	-0.001	73	24989	0.5202	
75 Naphthalene	128	7.140	7.141	-0.001	88	62769	0.4731	
76 4-Chloroaniline	127	7.167	7.168	-0.001	72	21935	0.4143	
79 Hexachlorobutadiene	225	7.236	7.237	-0.001	76	14617	0.5479	
80 1,2,3-Trichlorobenzene	180	7.258	7.259	-0.001	75	24603	0	
84 Caprolactam	113	7.445	7.445	0.0	62	4967	0.6148	
86 4-Chloro-3-methylphenol	107	7.557	7.558	-0.001	76	18217	0.4123	
87 2-Methylnaphthalene	142	7.728	7.729	-0.001	90	44423	0.5071	
88 1-Methylnaphthalene	142	7.813	7.814	-0.001	78	37150	0.4518	
89 Hexachlorocyclopentadiene	237	7.856	7.857	-0.001	57	14231	0.4825	
90 1,2,3,5-Tetrachlorobenzene	216	7.856	7.857	-0.001	81	26534	0.5279	
92 2,4,6-Trichlorophenol	196	7.952	7.953	-0.001	66	11132	0.4379	
93 2,4,5-Trichlorophenol	196	7.984	7.985	-0.001	77	11810	0.4334	
97 2,4-Toluene diamine	121	8.096	8.097	-0.001	68	13570	0.5509	
99 1,2,3,4 -Tetrachlorobenzene	216	8.112	8.113	-0.001	75	22414	0	
98 1,1'-Biphenyl	154	8.118	8.119	-0.001	91	52366	0.4615	
100 2-Chloronaphthalene	162	8.144	8.145	-0.001	93	46975	0.4712	
102 2-Nitroaniline	65	8.214	8.215	-0.001	55	11643	0.5533	
105 Dimethyl phthalate	163	8.353	8.354	-0.001	88	39759	0.4434	
107 2,6-Dinitrotoluene	165	8.412	8.412	0.0	54	6903	0.6115	
108 1,2-Dinitrobenzene	168		8.461					
109 Acenaphthylene	152	8.502	8.498	0.004	81	61736	0.4297	
110 3-Nitroaniline	138	8.561	8.562	-0.001	73	7492	0.3489	
112 Acenaphthene	153	8.647	8.647	0.0	84	42288	0.4619	
111 2,4-Dinitrophenol	184		8.647					
113 4-Nitrophenol	109	8.668	8.669	-0.001	68	5684	0.6274	
114 2,4-Dinitrotoluene	165	8.753	8.754	-0.001	52	10710	0.5568	
116 Dibenzofuran	168	8.791	8.792	-0.001	85	60226	0.4719	
118 2,3,5,6-Tetrachlorophenol	232		8.845					
121 Diethyl phthalate	149	8.946	8.947	-0.001	88	43963	0.4582	
123 4-Chlorophenyl phenyl ether	204	9.069	9.070	-0.001	81	30821	0.5116	
125 4-Nitroaniline	138	9.074	9.075	-0.001	65	7395	0.6542	
126 Fluorene	166	9.079	9.080	-0.001	65	45860	0.4716	
128 4,6-Dinitro-2-methylphenol	198		9.102					
131 N-Nitrosodiphenylamine	169	9.159	9.160	-0.001	93	34977	0.4684	
132 1,2-Diphenylhydrazine	77	9.202	9.203	-0.001	99	62210	0.4089	
133 Azobenzene	77	9.202	9.203	-0.001	92	62210	0.4089	
139 4-Bromophenyl phenyl ether	248	9.485	9.486	-0.001	67	15157	0.4672	
141 Hexachlorobenzene	284	9.549	9.550	-0.001	69	15979	0.5119	
142 Atrazine	200	9.592	9.593	-0.001	52	8802	0.4295	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	9.710	9.705	0.005	60	11654	1.24	
148 Phenanthrene	178	9.902	9.903	-0.001	76	68540	0.4550	
149 Anthracene	178	9.945	9.951	-0.006	88	66962	0.4501	
151 Carbazole	167	10.068	10.068	0.0	62	54990	0.4026	
154 Di-n-butyl phthalate	149	10.324	10.325	-0.001	90	67035	0.3980	
159 Fluoranthene	202	10.922	10.923	-0.001	88	74733	0.4498	
160 Benzidine	184	11.018	11.019	-0.001	70	18006	0.8142	
161 Pyrene	202	11.141	11.142	-0.001	89	73001	0.4322	
168 Butyl benzyl phthalate	149	11.745	11.751	-0.006	70	24449	0.3731	
172 3,3'-Dimethoxybenzidine	244		12.376					9
175 3,3'-Dichlorobenzidine	252	12.418	12.424	-0.006	43	18902	0.3575	
174 4,4'-Methylene bis(2-chloroanili	231	12.418	12.424	-0.006	56	9078	0.6365	
173 Bis(2-ethylhexyl) phthalate	149	12.439	12.446	-0.007	89	38379	0.4019	
177 Benzo[a]anthracene	228	12.477	12.478	-0.001	75	67724	0.5357	
178 Chrysene	228	12.530	12.531	-0.001	81	67668	0.4654	
180 Di-n-octyl phthalate	149	13.374	13.375	-0.001	76	47259	0.5639	
182 Benzo[b]fluoranthene	252	14.021	14.027	-0.006	73	57747	0.4100	
183 Benzo[k]fluoranthene	252	14.063	14.070	-0.007	81	59056	0.4127	
184 Benzo[a]pyrene	252	14.539	14.535	0.005	61	52362	0.4087	
188 Indeno[1,2,3-cd]pyrene	276	16.318	16.335	-0.017	83	60047	0.4231	M
189 Dibenz(a,h)anthracene	278	16.355	16.362	-0.007	0	43461	0.3958	M
190 Benzo[g,h,i]perylene	276	16.799	16.805	-0.006	65	51966	0.5509	M
S 191 Methyl Phenols,Total	100				0		0.8082	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

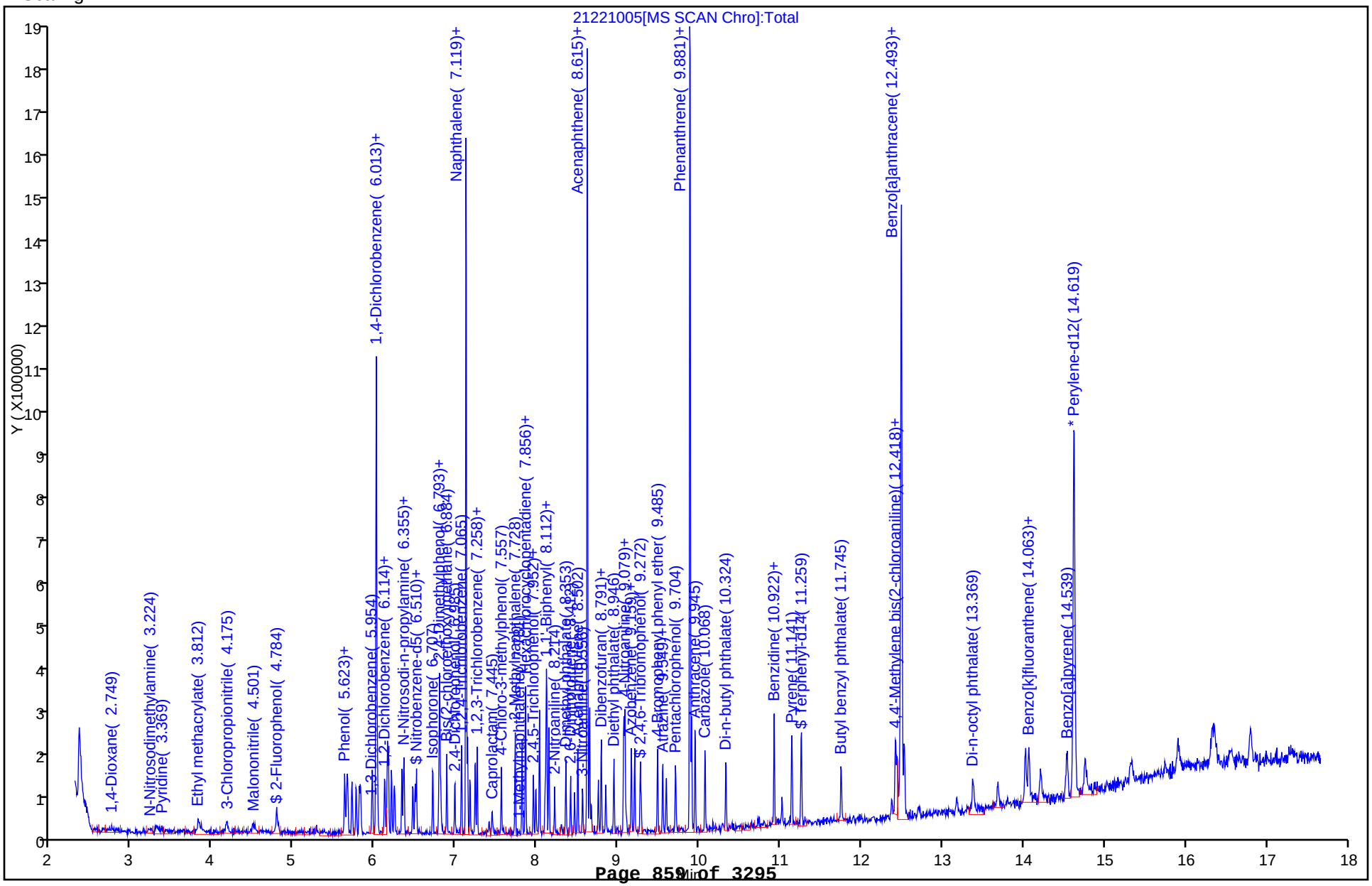
Report Date: 22-Dec-2012 11:07:37 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221005.D

Injection Date:	21-Dec-2012 14:55:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	5
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

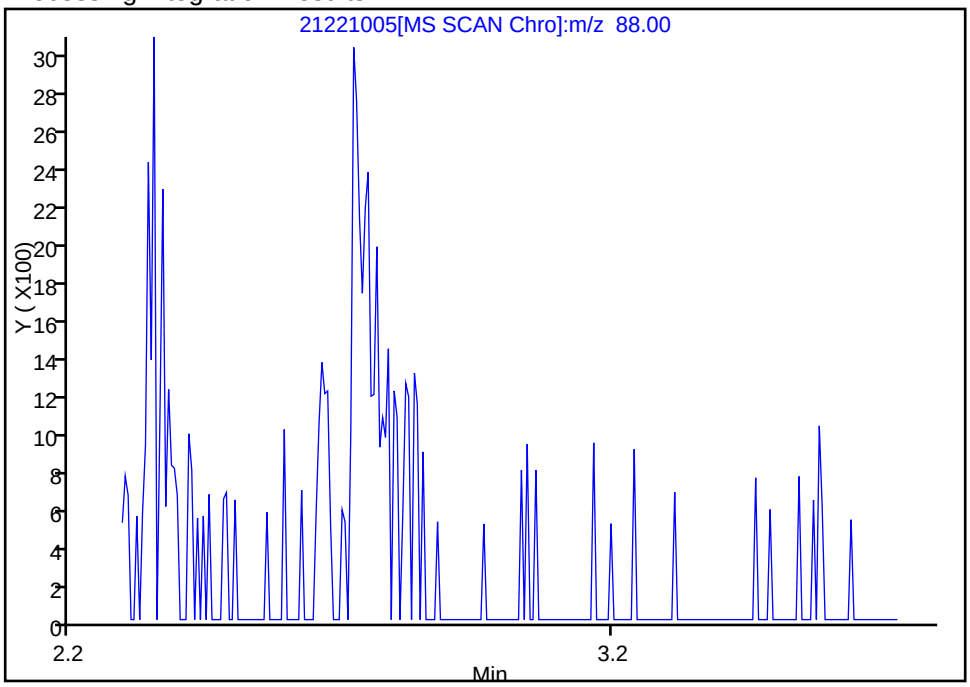
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221005.D		
Injection Date:	21-Dec-2012 14:55:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	5
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

25 1,4-Dioxane, Signal: 1, m/z: 88.0 Type: quant, RT: 2.73

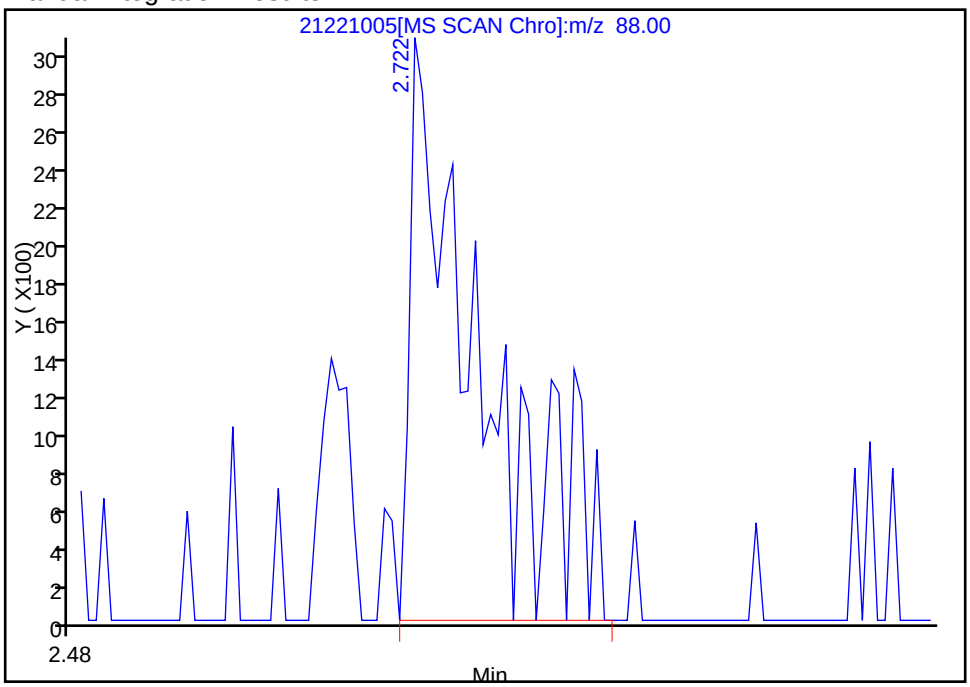
Processing Integration Results

Not Detected
Expected RT: 2.73



Manual Integration Results

RT: 2.72
Response: 10428
Amount: 0.444166



Reviewer: ulmanm, 22-Dec-2012 10:17:08
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

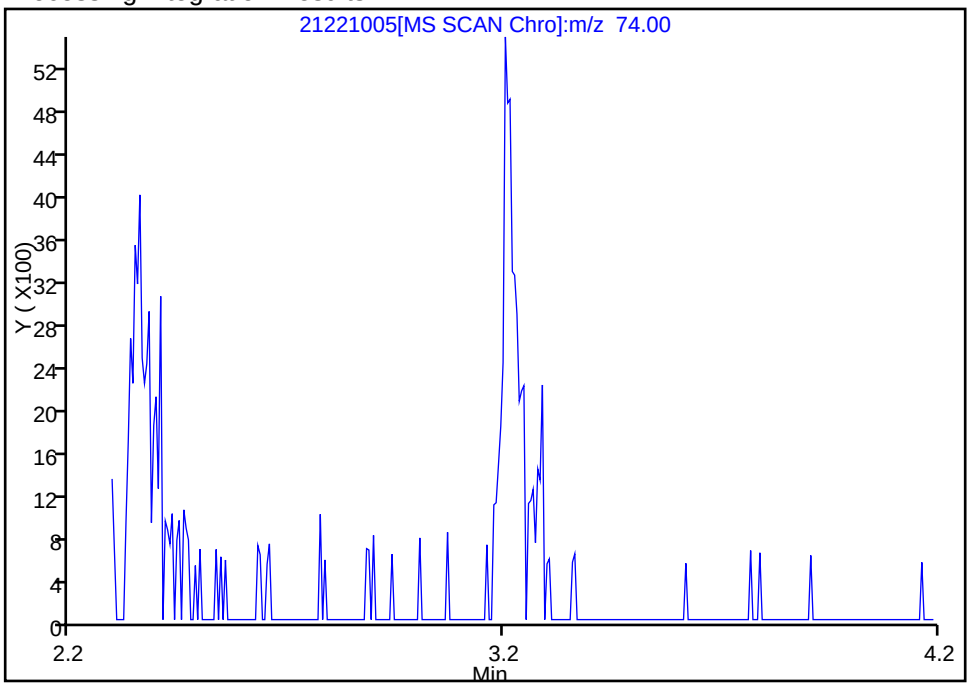
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221005.D		
Injection Date:	21-Dec-2012 14:55:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	5
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

26 N-Nitrosodimethylamine, Signal: 1, m/z: 74.0 Type: quant, RT: 3.19

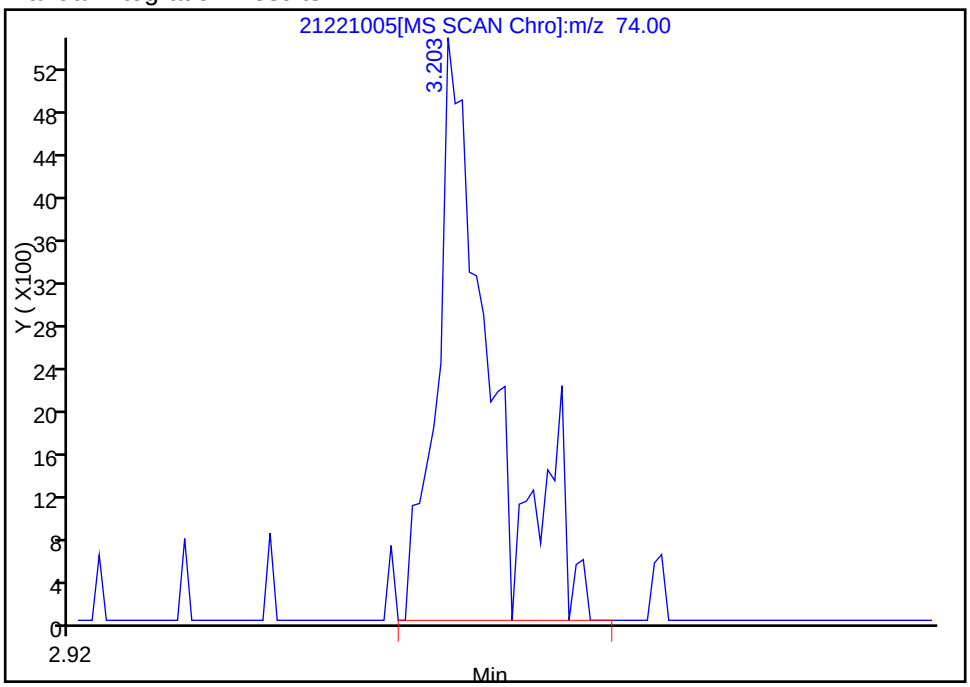
Processing Integration Results

Not Detected
Expected RT: 3.19



Manual Integration Results

RT: 3.20
Response: 15740
Amount: 0.442236



Reviewer: ulmanm, 22-Dec-2012 10:17:08
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

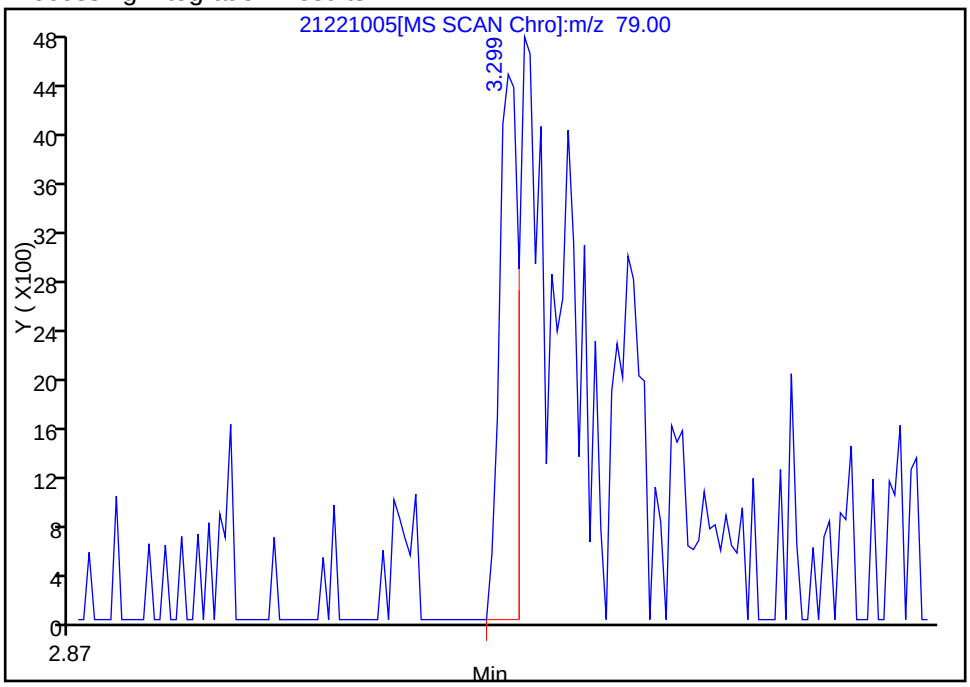
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221005.D		
Injection Date:	21-Dec-2012 14:55:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	5
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

27 Pyridine, Signal: 1, m/z: 79.0 Type: quant, RT: 3.25

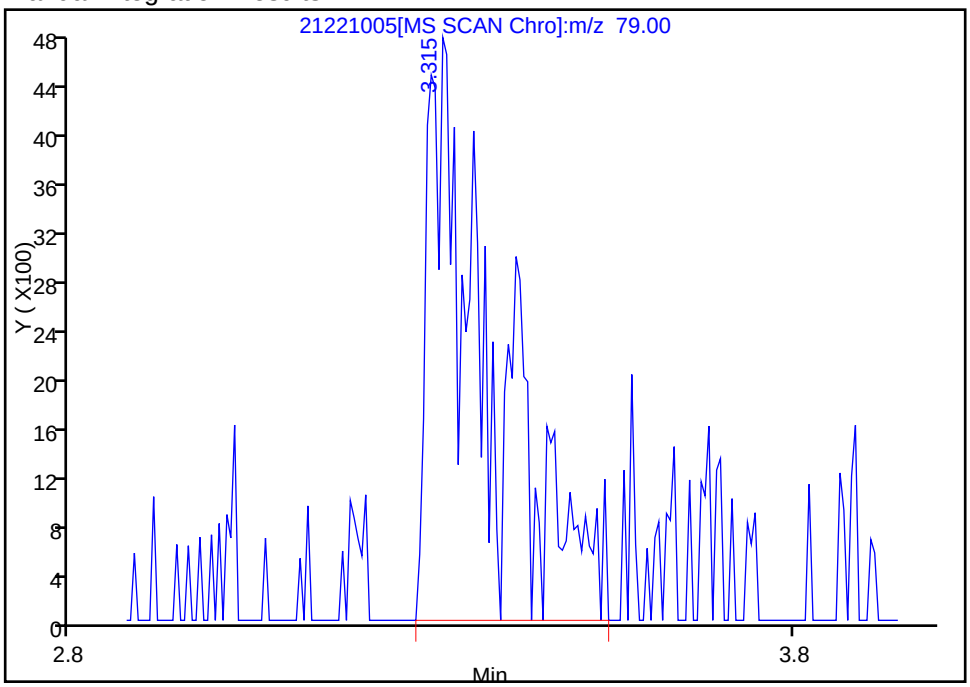
Processing Integration Results

RT: 3.30
Response: 5712
Amount: 0.184580



Manual Integration Results

RT: 3.32
Response: 28625
Amount: 0.451524



Reviewer: ulmanm, 22-Dec-2012 10:17:08
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

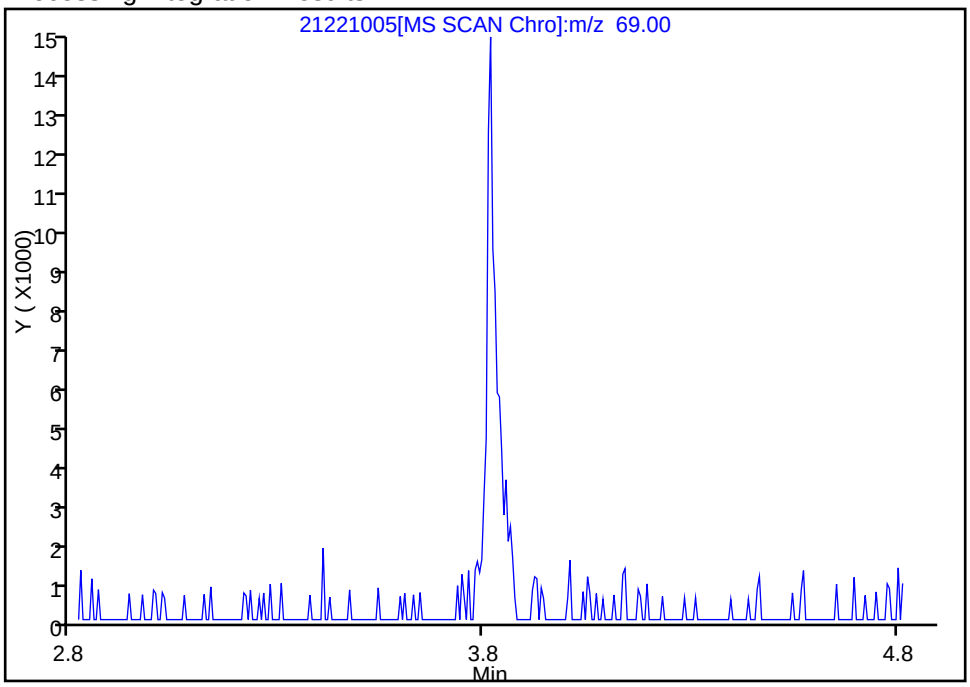
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221005.D		
Injection Date:	21-Dec-2012 14:55:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	5
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

28 Ethyl methacrylate, Signal: 1, m/z: 69.0 Type: quant, RT: 3.82

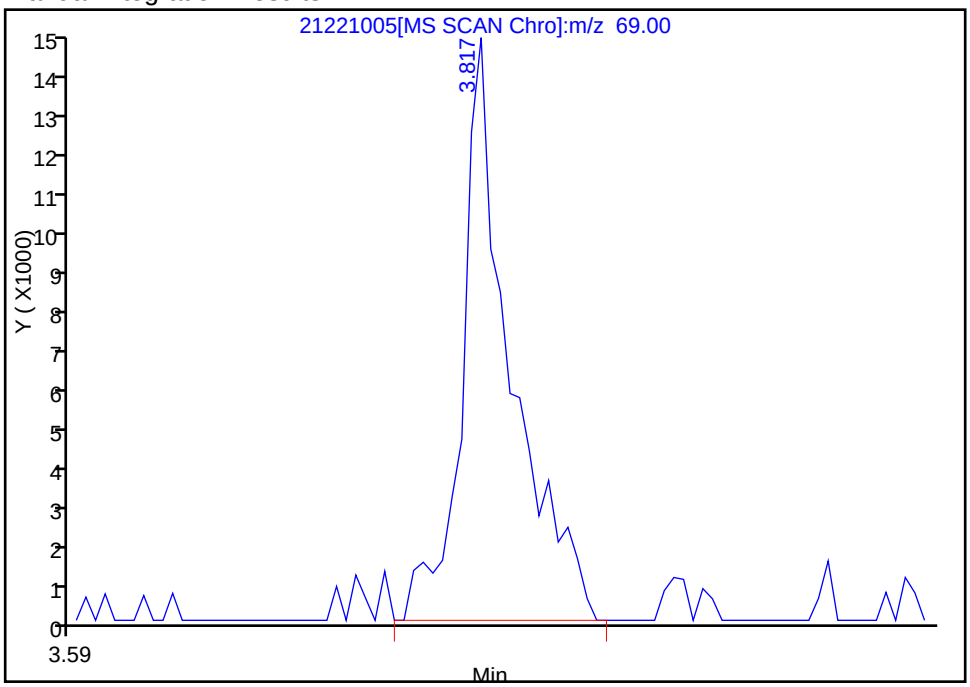
Processing Integration Results

Not Detected
Expected RT: 3.82



Manual Integration Results

RT: 3.82
Response: 27000
Amount: 0.494308



Reviewer: ulmanm, 22-Dec-2012 10:17:08
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

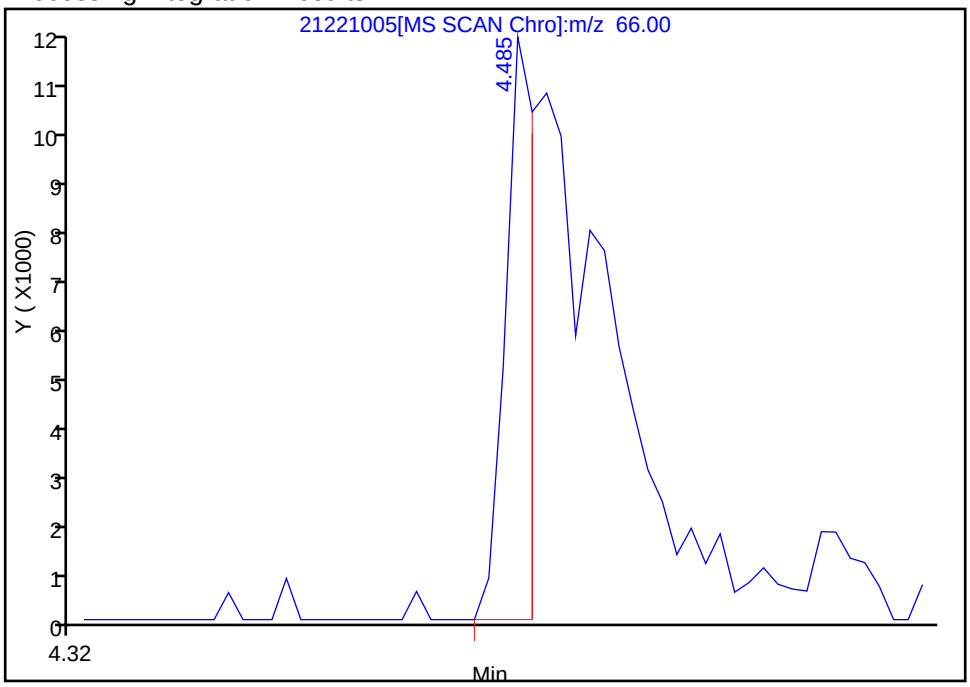
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221005.D		
Injection Date:	21-Dec-2012 14:55:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	5
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

33 Malononitrile, Signal: 1, m/z: 66.0 Type: quant, RT: 4.48

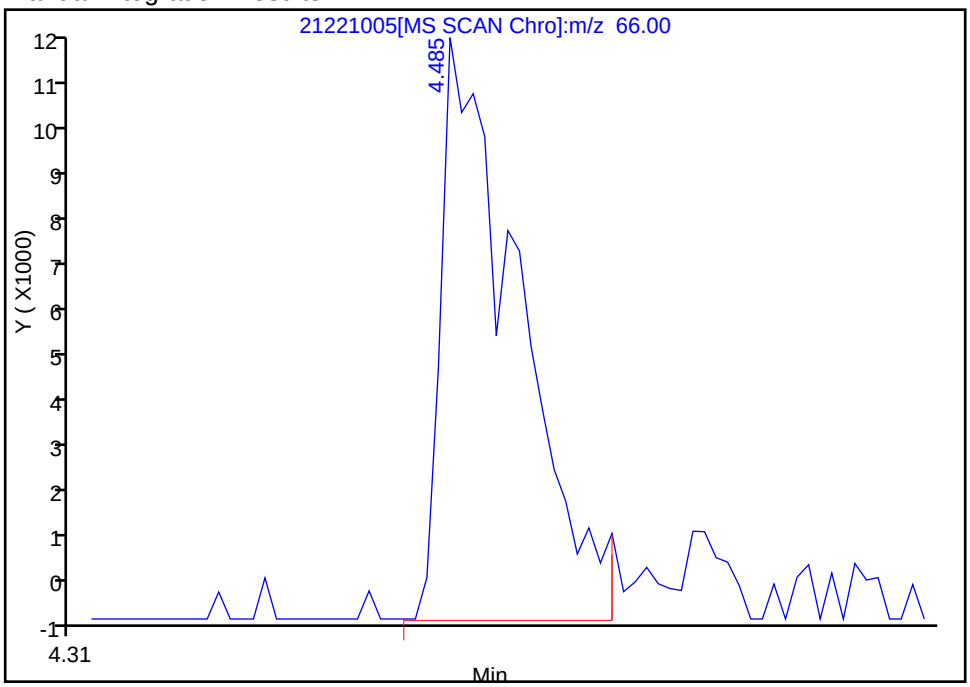
Processing Integration Results

RT: 4.49
Response: 8711
Amount: 0.412154



Manual Integration Results

RT: 4.49
Response: 28368
Amount: 0.404090



Reviewer: ulmanm, 22-Dec-2012 10:17:08
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

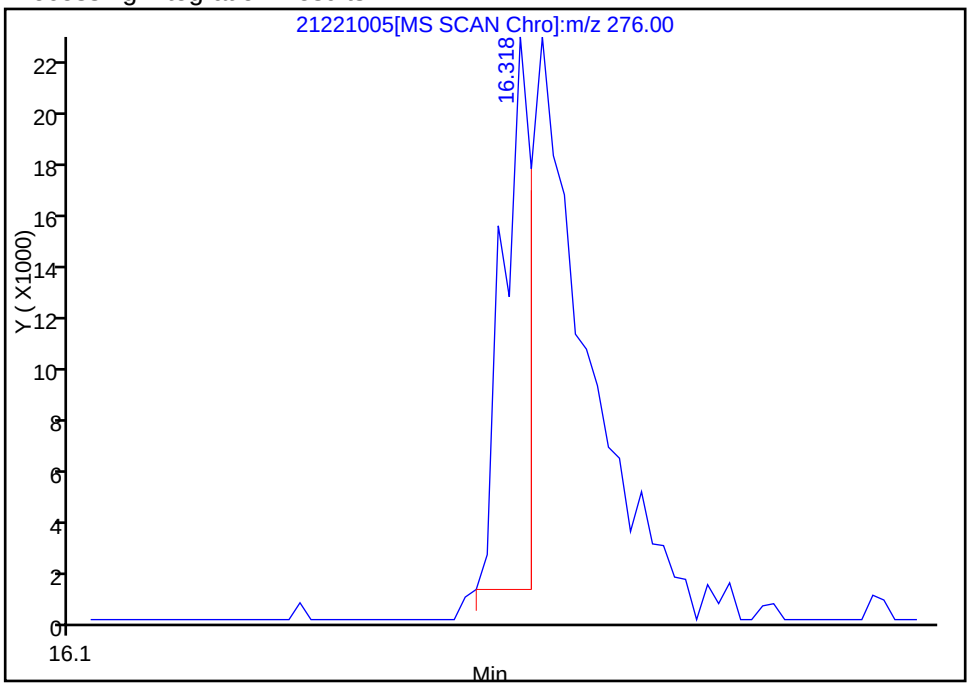
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221005.D		
Injection Date:	21-Dec-2012 14:55:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	5
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

188 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 16.33

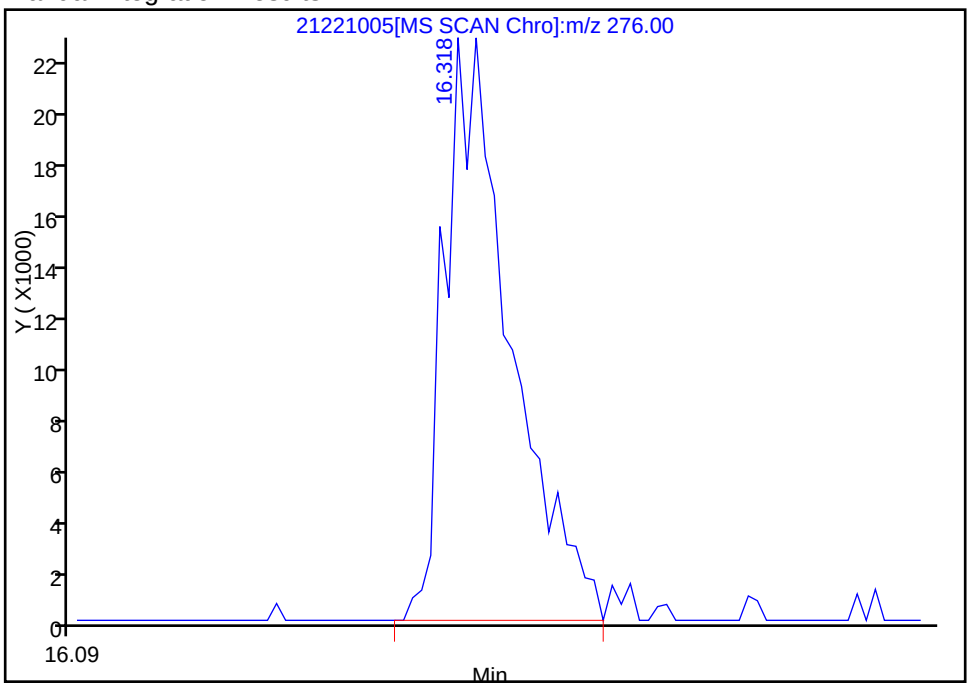
Processing Integration Results

RT: 16.32
Response: 20348
Amount: 0.418671



Manual Integration Results

RT: 16.32
Response: 60047
Amount: 0.423081



Reviewer: ulmanm, 22-Dec-2012 10:17:08
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

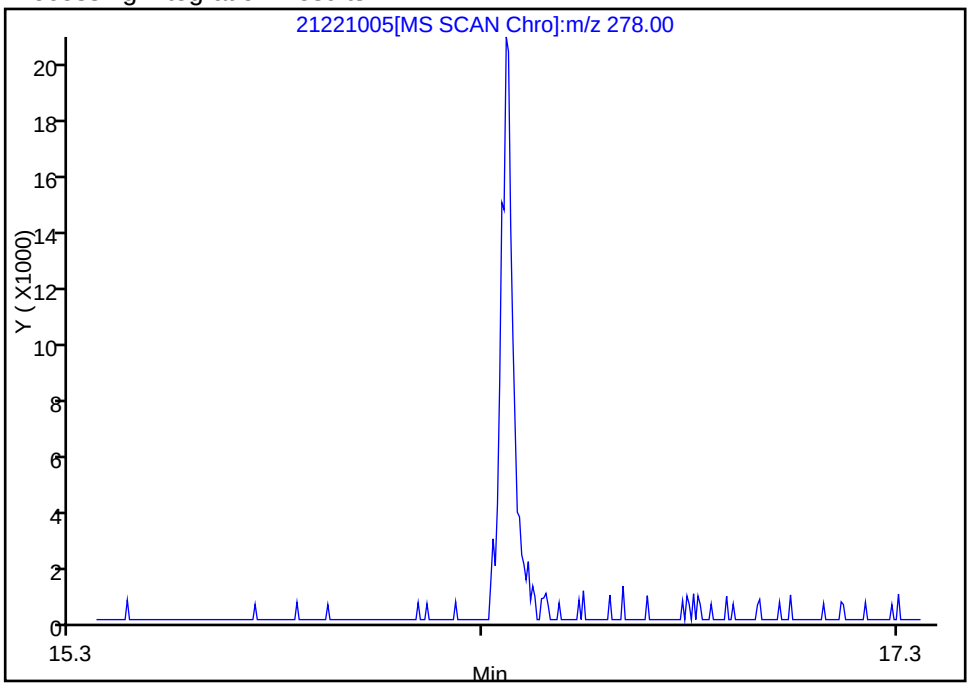
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221005.D		
Injection Date:	21-Dec-2012 14:55:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	5
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

189 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 16.36

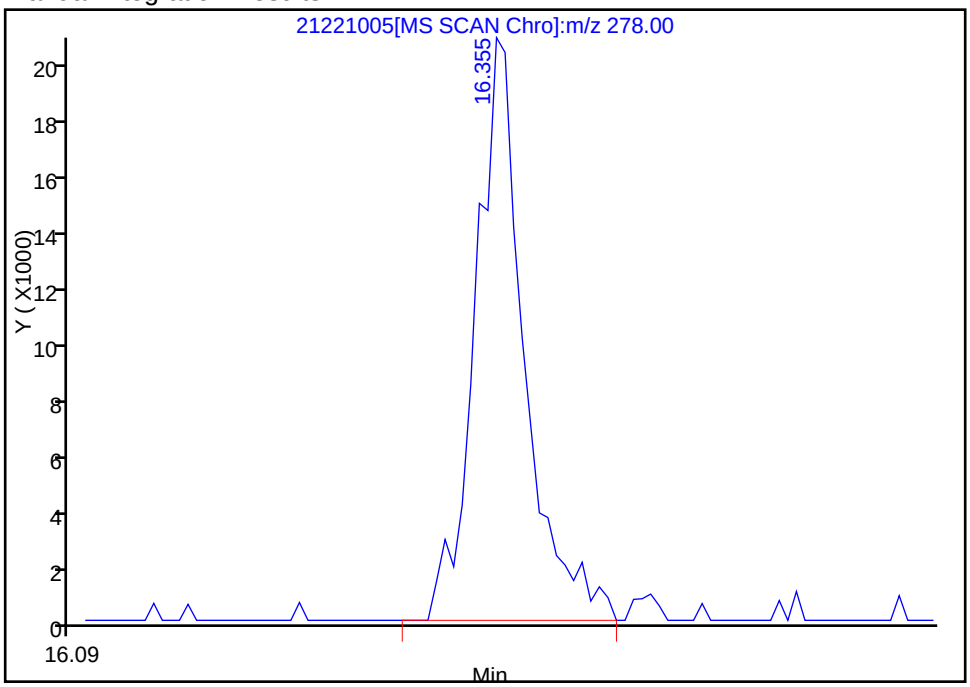
Processing Integration Results

Not Detected
Expected RT: 16.36



Manual Integration Results

RT: 16.36
Response: 43461
Amount: 0.395782



Reviewer: ulmanm, 22-Dec-2012 10:17:08
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

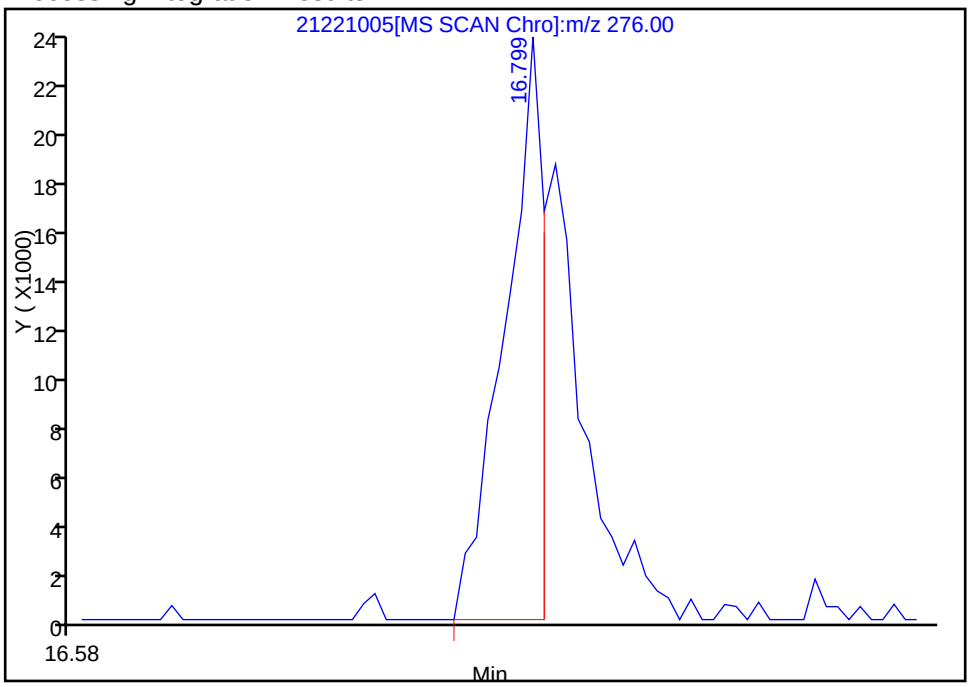
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221005.D		
Injection Date:	21-Dec-2012 14:55:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	5
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

190 Benzo[g,h,i]perylene, Signal: 1, m/z: 276.0 Type: quant, RT: 16.80

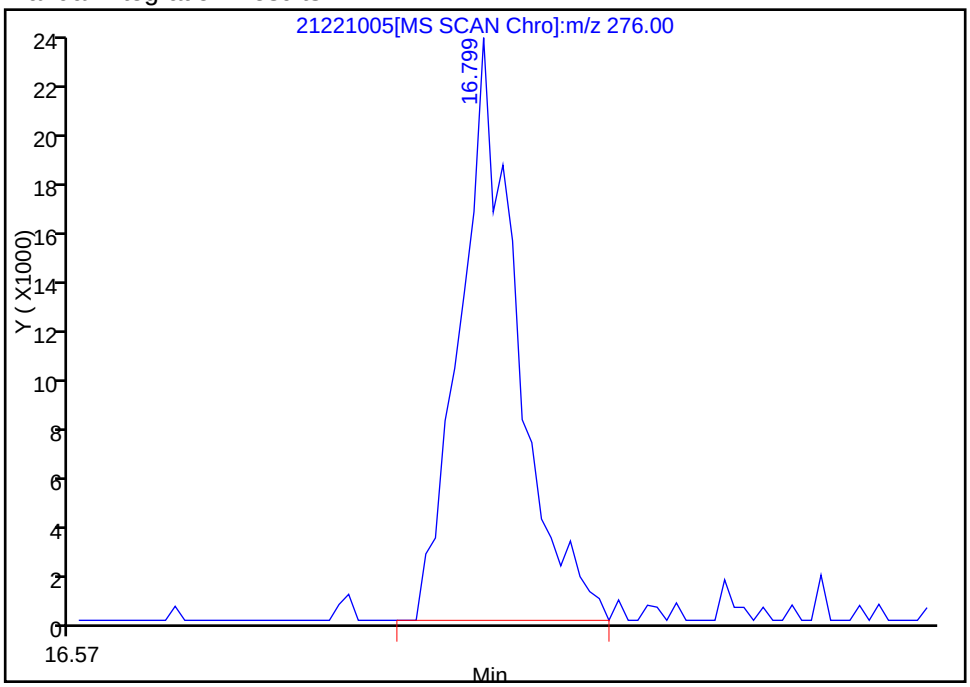
Processing Integration Results

RT: 16.80
Response: 30597
Amount: 0.495482



Manual Integration Results

RT: 16.80
Response: 51966
Amount: 0.550929



Reviewer: ulmanm, 22-Dec-2012 10:17:08
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221006.D		
Lims ID:	std1 tcl	Client ID:	
Inject. Date:	21-Dec-2012 15:20:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	240-0016106-006		
Misc. Info.:	STD1 TCL =STD1 TCL		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	6
Lims Batch ID:	69820	Lims Sample ID:	6
Sublist:	chrom-8270 _9*sub13		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\8270 _9.m		
Last Update:	22-Dec-2012 11:07:39	Calib Date:	21-Dec-2012 20:45:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221019.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK002		
First Level Reviewer: ulmanm		Date:	22-Dec-2012 10:18:59

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.016	6.014	0.002	96	126472	4.00	
* 2 Naphthalene-d8	136	7.122	7.120	0.002	99	492463	4.00	
* 3 Acenaphthene-d10	164	8.618	8.615	0.003	79	288615	4.00	
* 4 Phenanthrene-d10	188	9.884	9.882	0.002	95	523344	4.00	
* 5 Chrysene-d12	240	12.491	12.494	-0.003	84	495886	4.00	
* 6 Perylene-d12	264	14.617	14.625	-0.008	84	400481	4.00	
$ 9 Nitrobenzene-d5	82	6.491	6.495	-0.004	58	7650	0.1016	
$ 10 2-Fluorobiphenyl (Surr)	172	8.025	8.028	-0.003	61	13834	0.1196	
$ 12 Terphenyl-d14	244	11.251	11.260	-0.009	41	13151	0.1171	
41 Benzaldehyde	77		5.624					
75 Naphthalene	128	7.138	7.141	-0.003	20	12707	0.0980	
87 2-Methylnaphthalene	142	7.725	7.729	-0.004	73	9592	0.1120	
88 1-Methylnaphthalene	142	7.811	7.814	-0.003	56	9746	0.1212	
98 1,1'-Biphenyl	154	8.115	8.119	-0.004	73	14406	0.1334	
100 2-Chloronaphthalene	162	8.142	8.145	-0.003	77	11427	0.1204	
109 Acenaphthylene	152	8.500	8.498	0.002	71	16581	0.1213	
112 Acenaphthene	153	8.644	8.647	-0.003	65	11839	0.1359	
116 Dibenzofuran	168	8.788	8.792	-0.004	62	15309	0.1260	
126 Fluorene	166	9.082	9.080	0.002	38	10260	0.1108	
141 Hexachlorobenzene	284	9.547	9.550	-0.003	32	3920	0.1301	
148 Phenanthrene	178	9.900	9.903	-0.003	55	19551	0.1344	
149 Anthracene	178	9.942	9.951	-0.009	60	15050	0.1048	
159 Fluoranthene	202	10.920	10.923	-0.003	60	15993	0.0997	
161 Pyrene	202	11.139	11.142	-0.003	81	19983	0.1239	
177 Benzo[a]anthracene	228	12.480	12.478	0.002	23	21242	0.2298	
178 Chrysene	228	12.528	12.531	-0.003	60	18632	0.1342	
182 Benzo[b]fluoranthene	252	14.018	14.027	-0.009	58	16909	0.1266	
183 Benzo[k]fluoranthene	252	14.056	14.070	-0.014	52	12999	0.0958	
184 Benzo[a]pyrene	252	14.531	14.535	-0.003	30	12116	0.0998	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
188 Indeno[1,2,3-cd]pyrene	276	16.337	16.335	0.002	0	15145	0.1125	M
189 Dibenz(a,h)anthracene	278	16.353	16.362	-0.009	0	12858	0.1235	M
190 Benzo[g,h,i]perylene	276	16.796	16.805	-0.009	0	16607	0.2536	M

QC Flag Legend

Review Flags
M - Manually Integrated

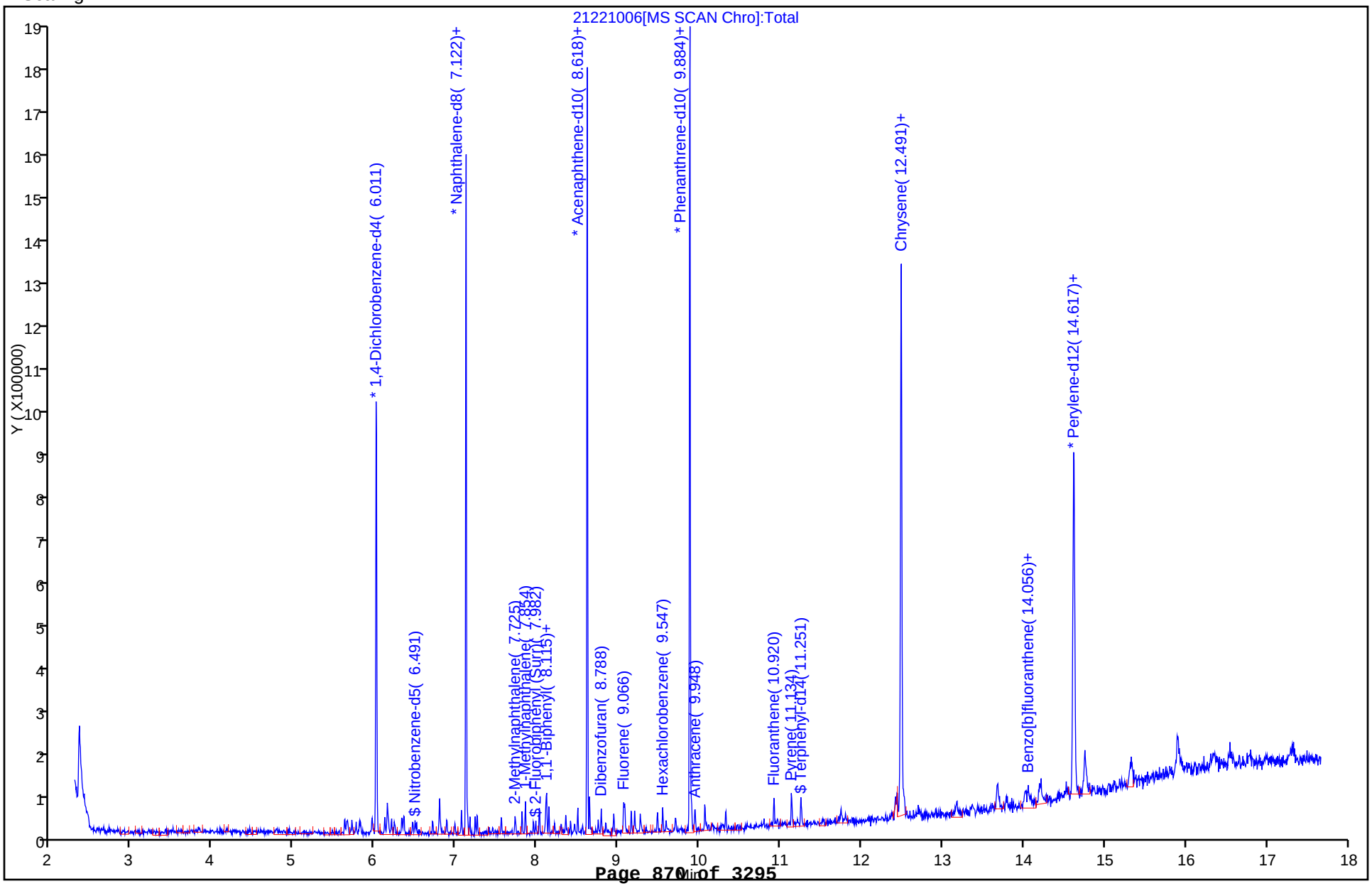
Report Date: 22-Dec-2012 11:07:39 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221006.D

Injection Date:	21-Dec-2012 15:20:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	6
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

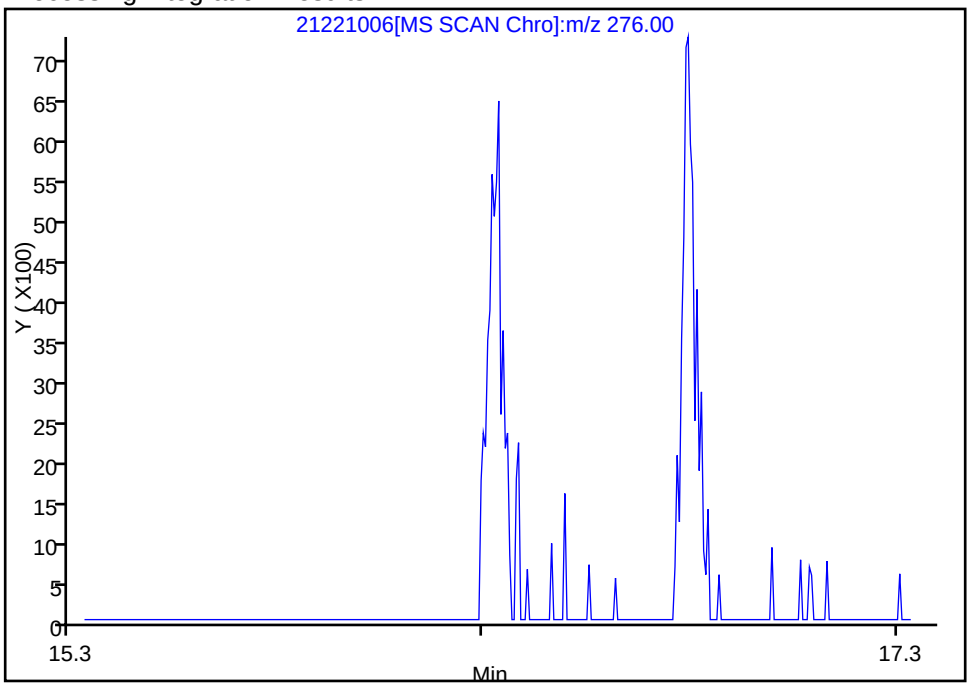
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221006.D		
Injection Date:	21-Dec-2012 15:20:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	6
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

188 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 16.33

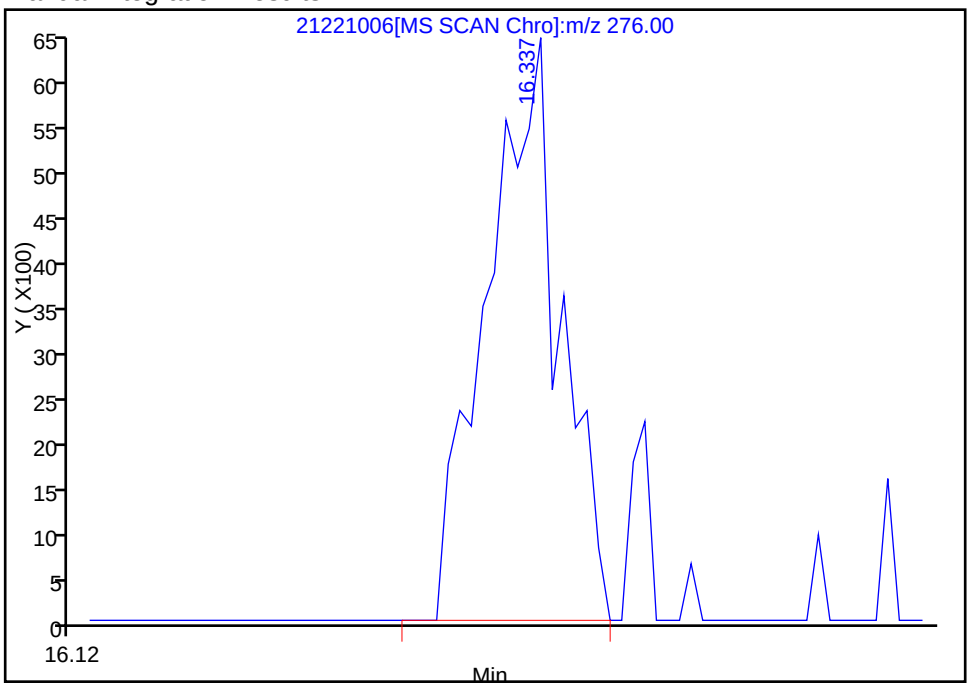
Processing Integration Results

Not Detected
Expected RT: 16.33



Manual Integration Results

RT: 16.34
Response: 15145
Amount: 0.112546



Reviewer: ulmanm, 22-Dec-2012 10:18:59
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

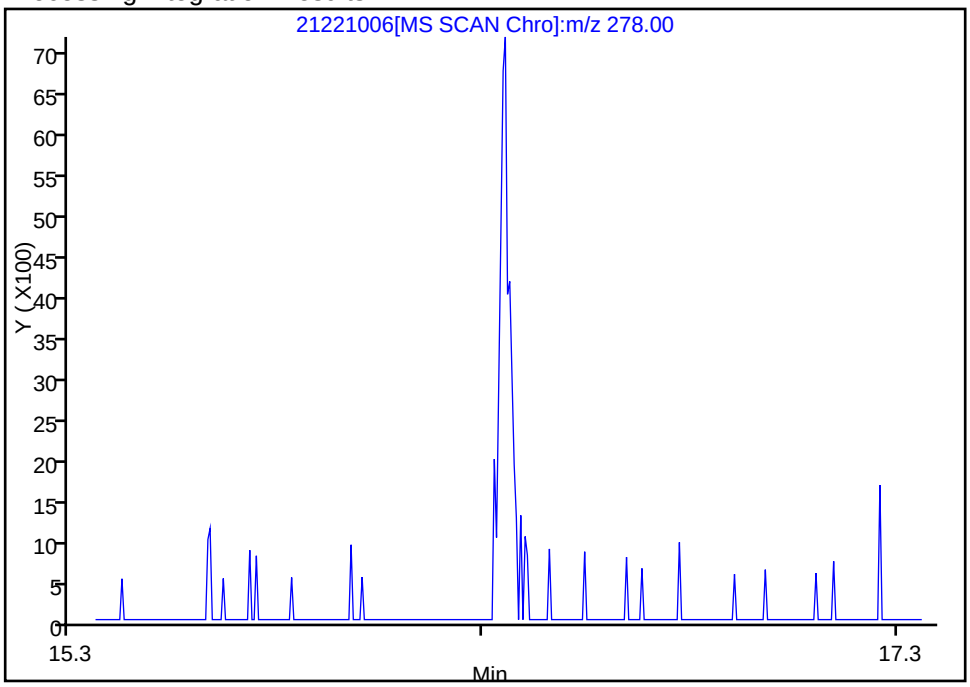
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221006.D		
Injection Date:	21-Dec-2012 15:20:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	6
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

189 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 16.36

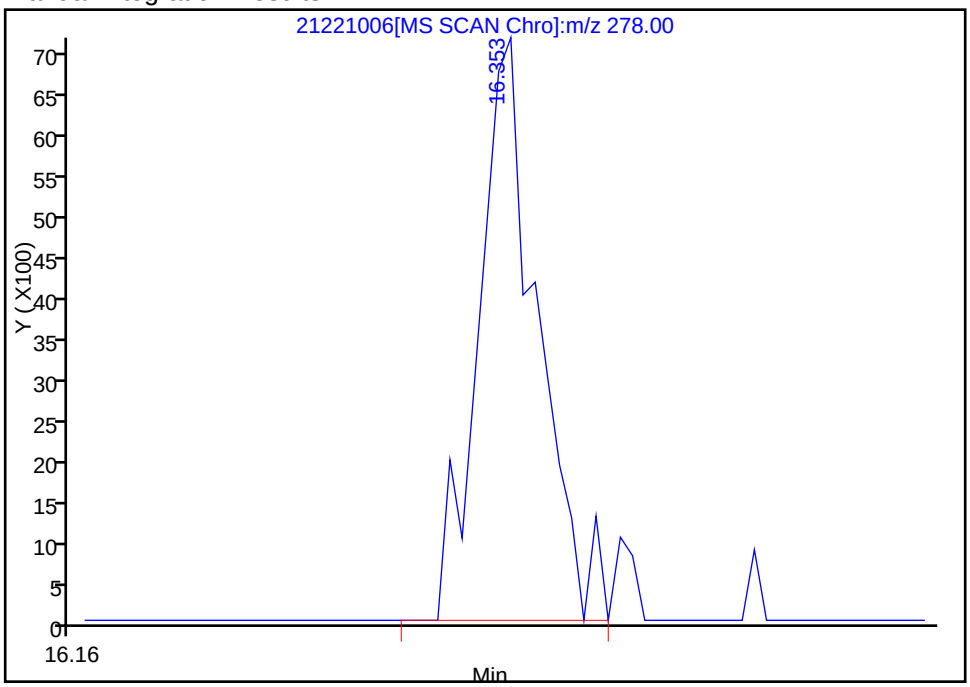
Processing Integration Results

Not Detected
Expected RT: 16.36



Manual Integration Results

RT: 16.35
Response: 12858
Amount: 0.123498



Reviewer: ulmanm, 22-Dec-2012 10:18:59
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

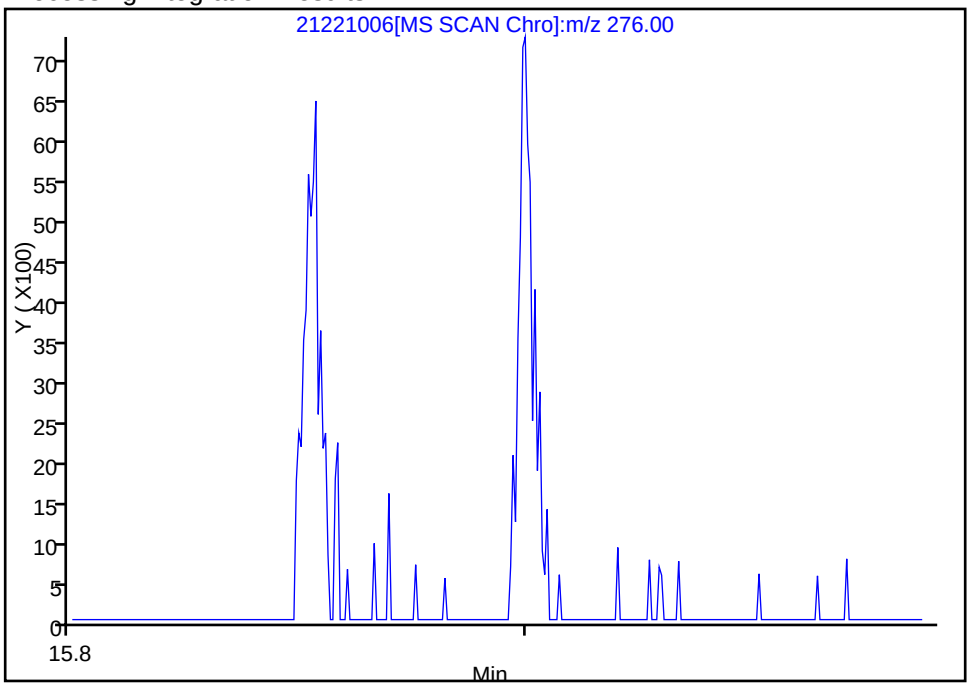
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221006.D		
Injection Date:	21-Dec-2012 15:20:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	6
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

190 Benzo[g,h,i]perylene, Signal: 1, m/z: 276.0 Type: quant, RT: 16.80

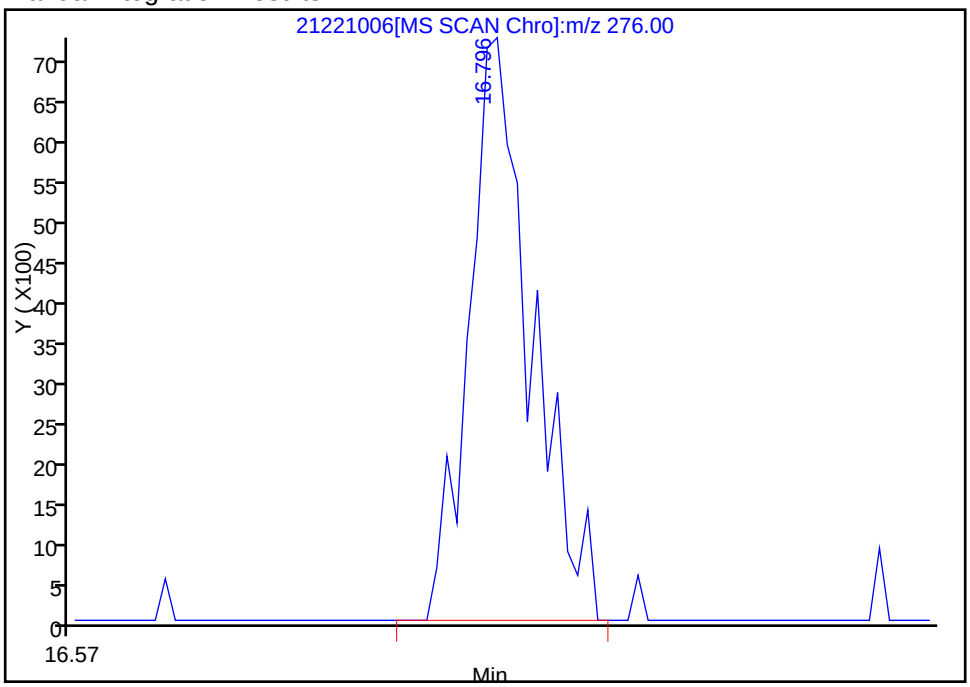
Processing Integration Results

Not Detected
Expected RT: 16.80



Manual Integration Results

RT: 16.80
Response: 16607
Amount: 0.253601



Reviewer: ulmanm, 22-Dec-2012 10:18:59
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221007.D
Lims ID: std9 tcl
Client ID:
Inject. Date: 21-Dec-2012 15:44:30
Dil. Factor: 1.0000
Sample Type: IC
Calib Level: 9
Sample ID: 240-0016106-007
Misc. Info.: STD9 TCL =STD9 TCL
Operator: 001574
Instrument ID: A4HP9
Injection Vol: 1.0 ul
ALS Bottle#: 7
Lims Batch ID: 69820
Lims Sample ID: 7
Sublist: chrom-8270 _9*sub13
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121221-16106.b\8270 _9.m
Last Update: 22-Dec-2012 11:07:41
Calib Date: 21-Dec-2012 20:45:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221019.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK002

First Level Reviewer: ulmanm
Date: 22-Dec-2012 10:21:39

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.012	6.014	-0.002	94	129125	4.00	
* 2 Naphthalene-d8	136	7.123	7.120	0.003	99	512833	4.00	
* 3 Acenaphthene-d10	164	8.619	8.615	0.004	85	314497	4.00	
* 4 Phenanthrene-d10	188	9.885	9.882	0.003	98	578092	4.00	
* 5 Chrysene-d12	240	12.497	12.494	0.003	78	588684	4.00	
* 6 Perylene-d12	264	14.624	14.625	-0.001	73	461263	4.00	
$ 7 2-Fluorophenol	112	4.783	4.785	-0.002	93	1183517	27.3	
$ 8 Phenol-d5	99	5.654	5.651	0.003	0	1741995	27.3	
$ 9 Nitrobenzene-d5	82	6.498	6.495	0.003	84	2191372	28.0	
$ 10 2-Fluorobiphenyl (Surr)	172	8.031	8.028	0.003	99	3419486	27.1	
$ 11 2,4,6-Tribromophenol	330	9.287	9.283	0.004	87	307245	25.2	
$ 12 Terphenyl-d14	244	11.258	11.260	-0.002	97	3455533	25.9	
25 1,4-Dioxane	88	2.727	2.728	-0.001	87	595300	26.4	M
26 N-Nitrosodimethylamine	74	3.197	3.193	0.004	91	902333	26.4	M
27 Pyridine	79	3.239	3.252	-0.013	91	1610046	26.5	M
28 Ethyl methacrylate	69	3.816	3.818	-0.002	84	1381282	26.4	M
29 3-Chloropropionitrile	54	4.164	4.165	-0.001	87	783792	26.6	M
33 Malononitrile	66	4.484	4.481	0.003	93	1917804	28.5	
41 Benzaldehyde	77	5.622	5.624	-0.002	88	1104640	19.7	
43 Phenol	94	5.665	5.661	0.004	92	1926082	26.8	
44 Aniline	93	5.718	5.715	0.003	97	2454368	27.5	
69 Bis(2-chloroethyl)ether	93	5.766	5.763	0.003	97	1849165	27.1	
46 2-Chlorophenol	128	5.820	5.821	-0.001	91	1198239	27.6	
47 1,3-Dichlorobenzene	146	5.964	5.966	-0.002	91	1475048	26.3	
48 1,4-Dichlorobenzene	146	6.028	6.030	-0.002	88	1230355	27.0	
49 Benzyl alcohol	108	6.119	6.115	0.004	86	872771	27.3	
50 1,2-Dichlorobenzene	146	6.167	6.163	0.004	91	1415252	26.0	
51 2-Methylphenol	108	6.204	6.201	0.003	96	1296374	27.5	
53 2,2'-oxybis[1-chloropropane]	45	6.242	6.238	0.004	95	1842592	26.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
21 3 & 4 Methylphenol	108	6.333	6.329	0.004	90	1380577	27.9	
57 N-Nitrosodi-n-propylamine	70	6.354	6.350	0.004	73	1240318	27.8	
58 Acetophenone	105	6.359	6.356	0.003	86	1990411	27.6	
61 Hexachloroethane	117	6.466	6.463	0.003	90	662879	27.7	
62 Nitrobenzene	77	6.514	6.511	0.003	75	2250637	27.3	
64 Isophorone	82	6.712	6.708	0.004	95	3576254	28.4	
66 2-Nitrophenol	139	6.787	6.783	0.004	90	620475	24.7	
65 2,4-Dimethylphenol	107	6.797	6.794	0.003	97	1521678	27.9	
67 1,3,5-Trichlorobenzene	180	6.797	6.794	0.003	84	1306530	26.1	
71 Benzoic acid	122	6.888	6.831	0.057	45	1691814	49.5	
70 Bis(2-chloroethoxy)methane	93	6.883	6.885	-0.002	98	2363730	27.7	
73 2,4-Dichlorophenol	162	6.984	6.981	0.003	96	895186	26.9	
74 1,2,4-Trichlorobenzene	180	7.064	7.066	-0.002	86	1264250	25.9	
75 Naphthalene	128	7.139	7.141	-0.002	98	3816568	28.3	
76 4-Chloroaniline	127	7.171	7.168	0.003	81	1503510	27.9	
79 Hexachlorobutadiene	225	7.235	7.237	-0.002	88	709483	26.1	
80 1,2,3-Trichlorobenzene	180	7.262	7.259	0.003	86	1215468	0	
84 Caprolactam	113	7.470	7.445	0.025	81	376412	24.6	
86 4-Chloro-3-methylphenol	107	7.561	7.558	0.003	85	1298568	28.9	
87 2-Methylnaphthalene	142	7.727	7.729	-0.002	86	2397997	26.9	
88 1-Methylnaphthalene	142	7.812	7.814	-0.002	80	2235836	26.7	
89 Hexachlorocyclopentadiene	237	7.855	7.857	-0.002	69	871558	28.5	
90 1,2,3,5-Tetrachlorobenzene	216	7.855	7.857	-0.002	88	1365010	26.2	
92 2,4,6-Trichlorophenol	196	7.957	7.953	0.004	92	707980	26.8	
93 2,4,5-Trichlorophenol	196	7.983	7.985	-0.002	91	766854	27.1	
97 2,4-Toluene diamine	121	8.101	8.097	0.004	97	626792	25.0	M
99 1,2,3,4 -Tetrachlorobenzene	216	8.111	8.113	-0.002	87	1312221	0	
98 1,1'-Biphenyl	154	8.117	8.119	-0.002	95	3129512	26.6	
100 2-Chloronaphthalene	162	8.149	8.145	0.004	96	2706852	26.2	
102 2-Nitroaniline	65	8.218	8.215	0.003	74	959160	25.0	
105 Dimethyl phthalate	163	8.357	8.354	0.003	95	2599690	28.0	
107 2,6-Dinitrotoluene	165	8.416	8.412	0.004	80	685788	24.9	
108 1,2-Dinitrobenzene	168	8.469	8.461	0.009	84	348343	27.2	
109 Acenaphthylene	152	8.501	8.498	0.003	91	4089716	27.4	
110 3-Nitroaniline	138	8.566	8.562	0.004	86	634866	28.5	
112 Acenaphthene	153	8.646	8.647	-0.001	93	2472975	26.0	
111 2,4-Dinitrophenol	184	8.651	8.647	0.004	76	856086	50.0	
113 4-Nitrophenol	109	8.672	8.669	0.003	87	454623	25.0	
114 2,4-Dinitrotoluene	165	8.758	8.754	0.004	79	923221	25.0	
116 Dibenzofuran	168	8.790	8.792	-0.002	86	3581370	27.1	
118 2,3,5,6-Tetrachlorophenol	232	8.849	8.845	0.004	84	660196	27.2	
121 Diethyl phthalate	149	8.950	8.947	0.003	96	2780121	27.9	
123 4-Chlorophenyl phenyl ether	204	9.068	9.070	-0.002	93	1651155	26.4	
125 4-Nitroaniline	138	9.084	9.075	0.009	65	704769	24.9	
126 Fluorene	166	9.084	9.080	0.004	79	2716251	26.9	
128 4,6-Dinitro-2-methylphenol	198	9.105	9.102	0.003	73	505811	24.6	
131 N-Nitrosodiphenylamine	169	9.164	9.160	0.004	98	2157384	27.1	
132 1,2-Diphenylhydrazine	77	9.201	9.203	-0.002	100	4649295	28.7	
133 Azobenzene	77	9.201	9.203	-0.002	93	4649295	28.7	
139 4-Bromophenyl phenyl ether	248	9.484	9.486	-0.002	66	886023	25.6	
141 Hexachlorobenzene	284	9.549	9.550	-0.001	76	806168	24.2	
142 Atrazine	200	9.597	9.593	0.004	81	496014	22.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	9.709	9.705	0.004	82	1067306	49.2	
148 Phenanthrene	178	9.906	9.903	0.003	97	4201192	26.1	
149 Anthracene	178	9.949	9.951	-0.002	86	4385069	27.6	
151 Carbazole	167	10.072	10.068	0.004	81	4130288	28.4	
154 Di-n-butyl phthalate	149	10.328	10.325	0.003	100	5262739	29.3	
159 Fluoranthene	202	10.927	10.923	0.004	97	5023436	28.4	
160 Benzidine	184	11.023	11.019	0.004	98	1954833	24.4	
161 Pyrene	202	11.140	11.142	-0.002	95	5208727	27.2	
168 Butyl benzyl phthalate	149	11.749	11.751	-0.002	91	2081370	28.0	
172 3,3'-Dimethoxybenzidine	244	12.385	12.376	0.009	85	1190583	24.5	
175 3,3'-Dichlorobenzidine	252	12.428	12.424	0.004	70	1695667	28.3	
174 4,4'-Methylene bis(2-chloroanili	231	12.428	12.424	0.004	66	866101	24.8	
173 Bis(2-ethylhexyl) phthalate	149	12.444	12.446	-0.002	95	3091277	28.6	
177 Benzo[a]anthracene	228	12.481	12.478	0.003	88	4577717	24.8	
178 Chrysene	228	12.535	12.531	0.004	88	4166071	25.3	
180 Di-n-octyl phthalate	149	13.379	13.375	0.004	99	5154454	24.8	
182 Benzo[b]fluoranthene	252	14.036	14.027	0.009	82	4217528	27.4	
183 Benzo[k]fluoranthene	252	14.079	14.070	0.009	88	4287066	27.4	
184 Benzo[a]pyrene	252	14.549	14.535	0.015	73	3984105	28.5	
188 Indeno[1,2,3-cd]pyrene	276	16.349	16.335	0.014	81	4283350	27.6	
189 Dibenz(a,h)anthracene	278	16.376	16.362	0.014	79	3334279	27.8	
190 Benzo[g,h,i]perylene	276	16.830	16.805	0.025	77	3582462	24.9	
S 191 Methyl Phenols,Total	100				0		55.4	

QC Flag Legend

Review Flags
M - Manually Integrated

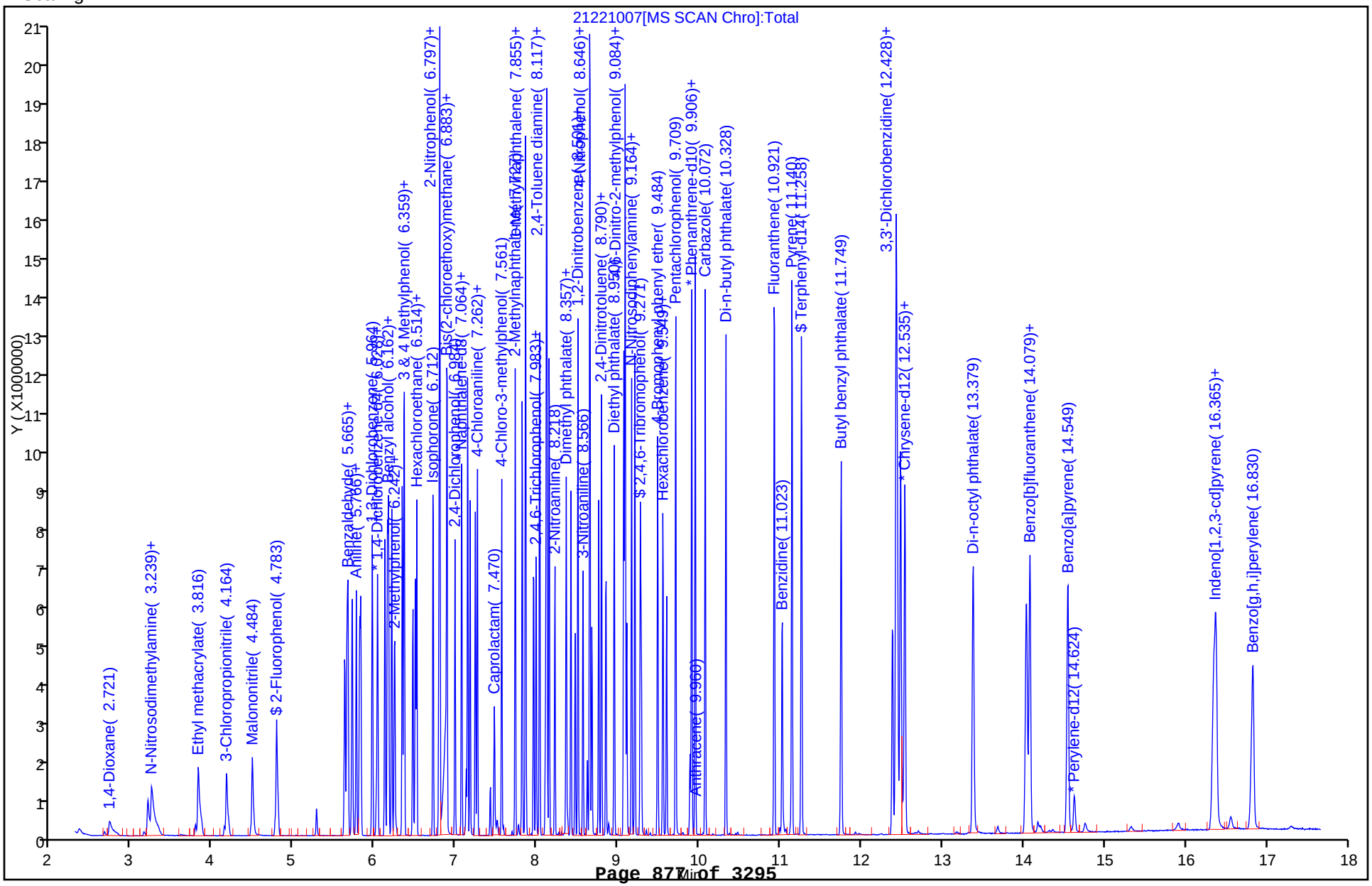
Report Date: 22-Dec-2012 11:07:41 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221007.D

Injection Date:	21-Dec-2012 15:44:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	7
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

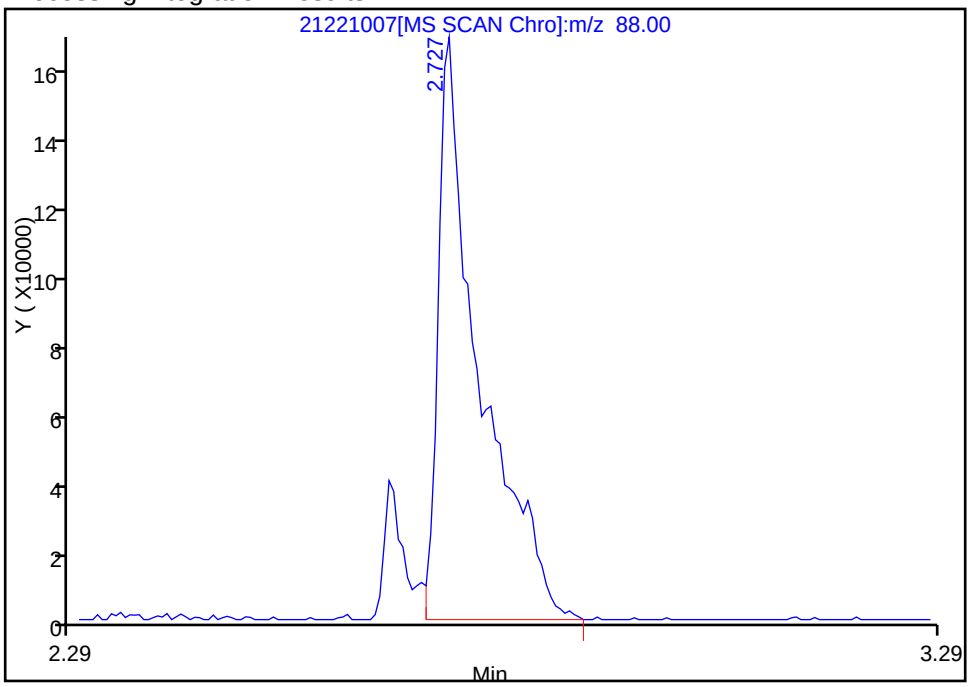
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221007.D		
Injection Date:	21-Dec-2012 15:44:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	7
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

25 1,4-Dioxane, Signal: 1, m/z: 88.0 Type: quant, RT: 2.73

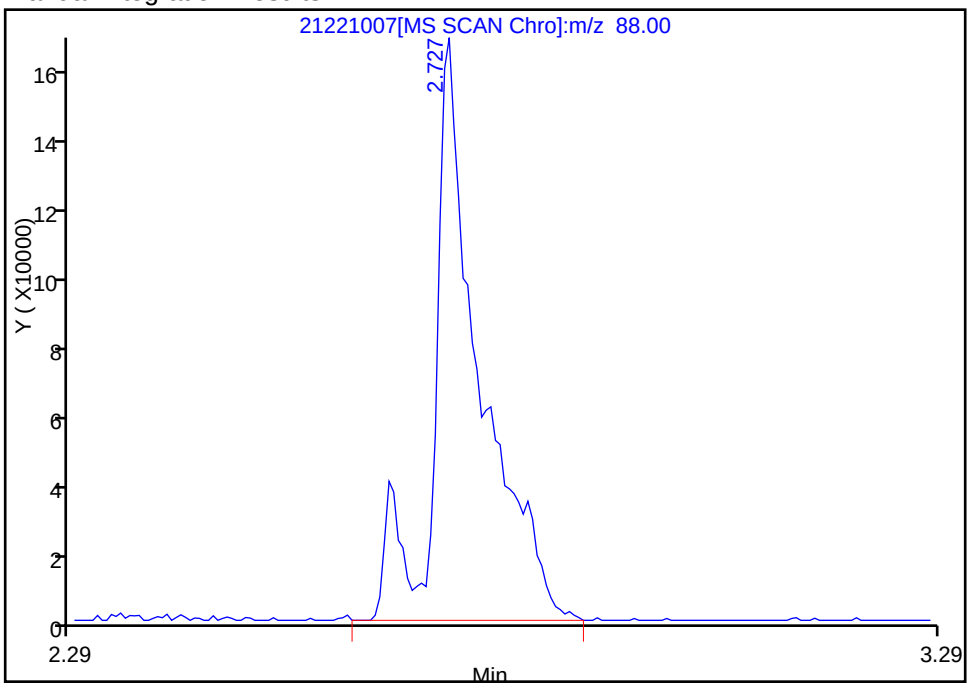
Processing Integration Results

RT: 2.73
Response: 535554
Amount: 25.484032



Manual Integration Results

RT: 2.73
Response: 595300
Amount: 26.446030



Reviewer: ulmanm, 22-Dec-2012 10:21:39
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

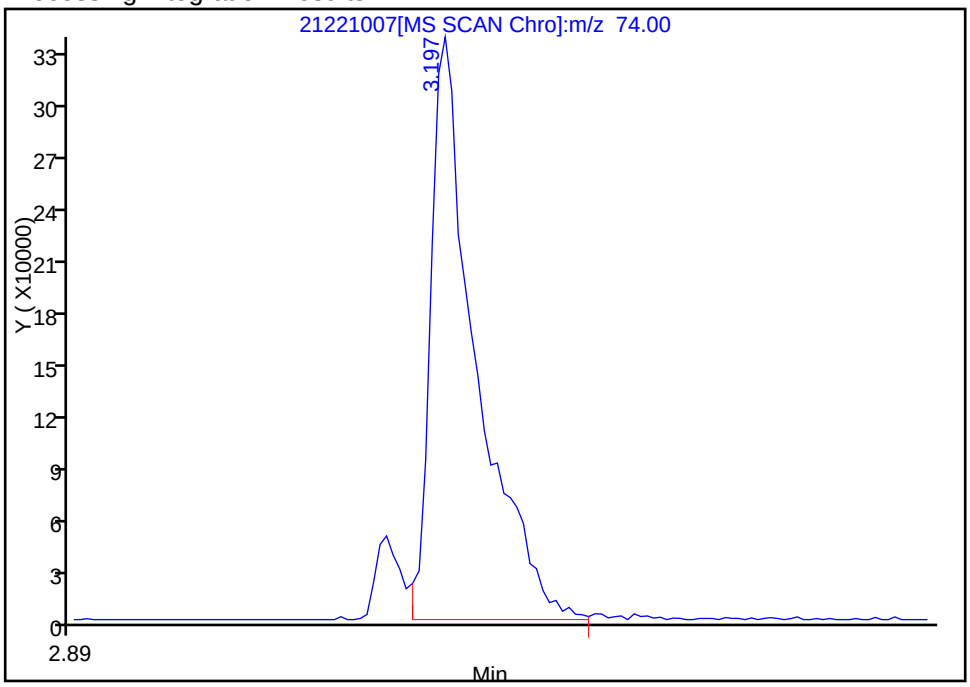
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221007.D		
Injection Date:	21-Dec-2012 15:44:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	7
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

26 N-Nitrosodimethylamine, Signal: 1, m/z: 74.0 Type: quant, RT: 3.19

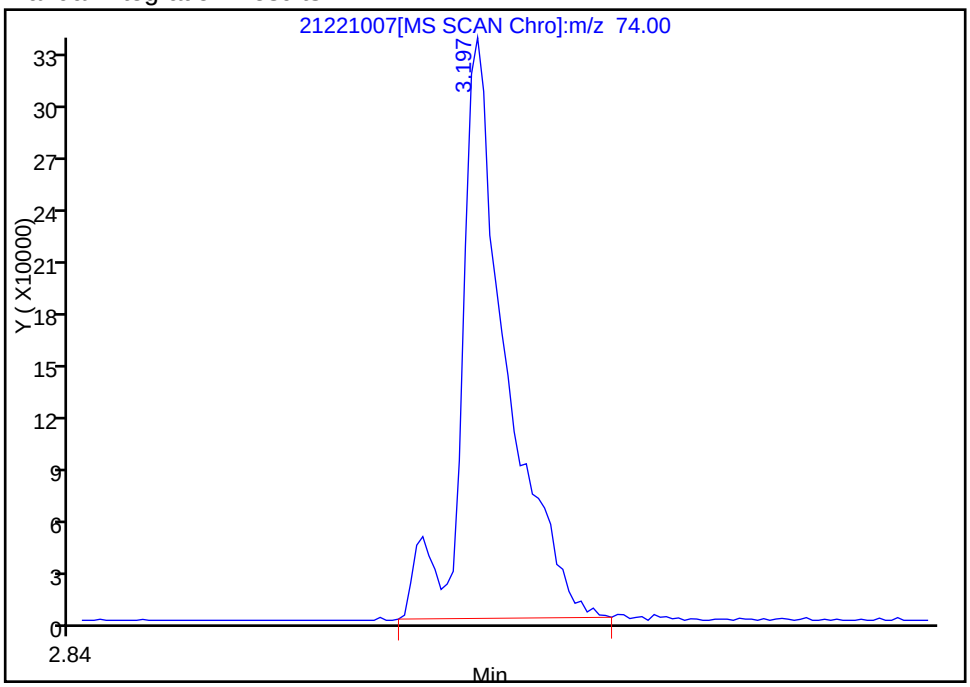
Processing Integration Results

RT: 3.20
Response: 852930
Amount: 25.920716



Manual Integration Results

RT: 3.20
Response: 902333
Amount: 26.442085



Reviewer: ulmanm, 22-Dec-2012 10:21:39
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

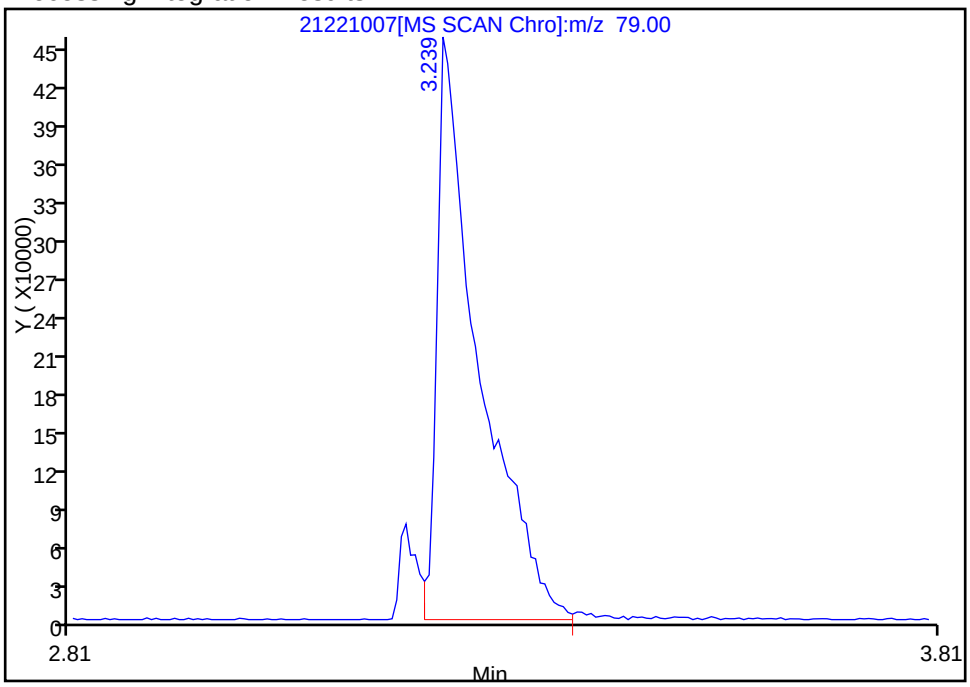
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221007.D		
Injection Date:	21-Dec-2012 15:44:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	7
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

27 Pyridine, Signal: 1, m/z: 79.0 Type: quant, RT: 3.25

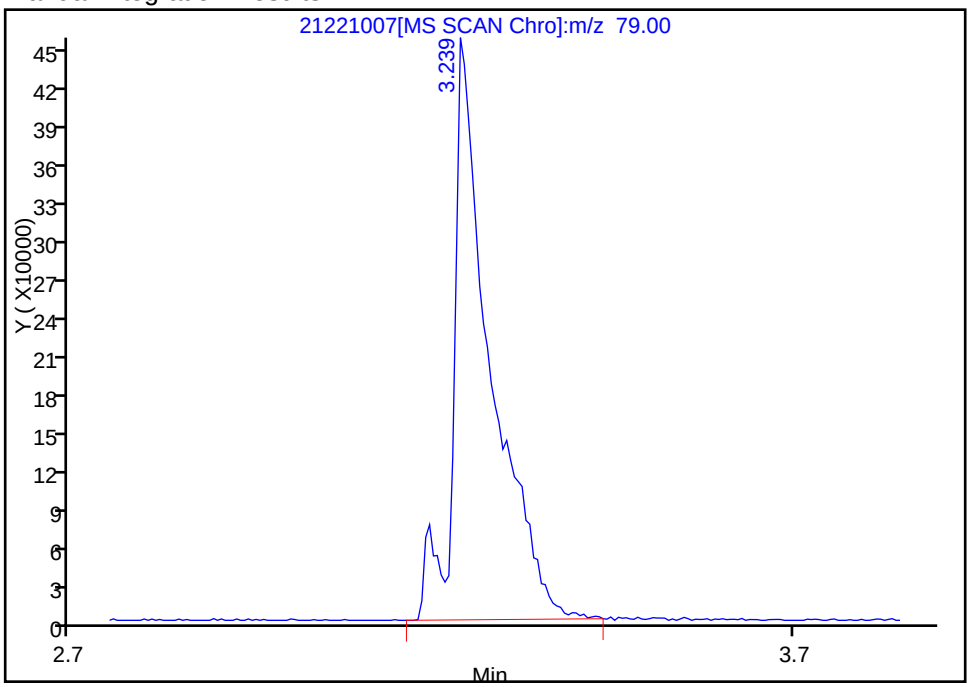
Processing Integration Results

RT: 3.24
Response: 1516777
Amount: 25.666855



Manual Integration Results

RT: 3.24
Response: 1610046
Amount: 26.488292



Reviewer: ulmanm, 22-Dec-2012 10:21:39
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

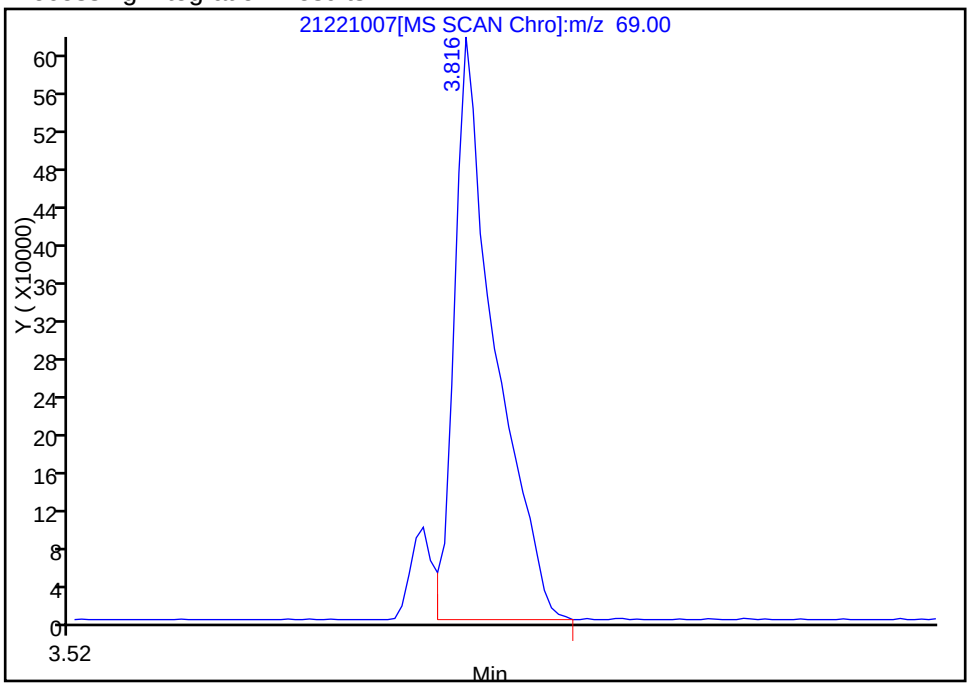
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221007.D		
Injection Date:	21-Dec-2012 15:44:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	7
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

28 Ethyl methacrylate, Signal: 1, m/z: 69.0 Type: quant, RT: 3.82

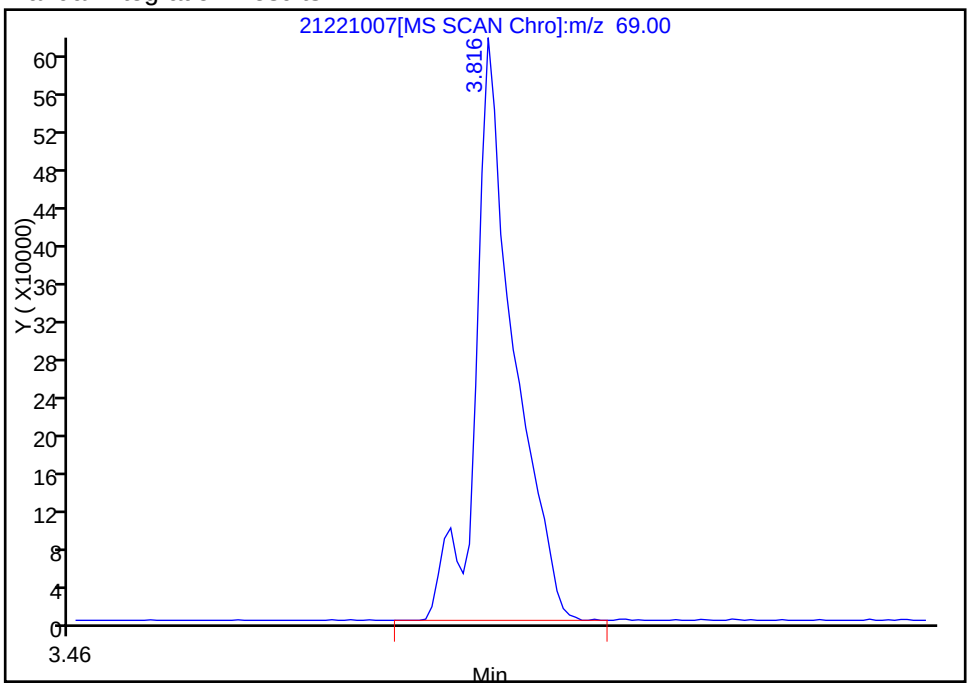
Processing Integration Results

RT: 3.82
Response: 1282177
Amount: 25.510806



Manual Integration Results

RT: 3.82
Response: 1381282
Amount: 26.375226



Reviewer: ulmanm, 22-Dec-2012 10:21:39
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

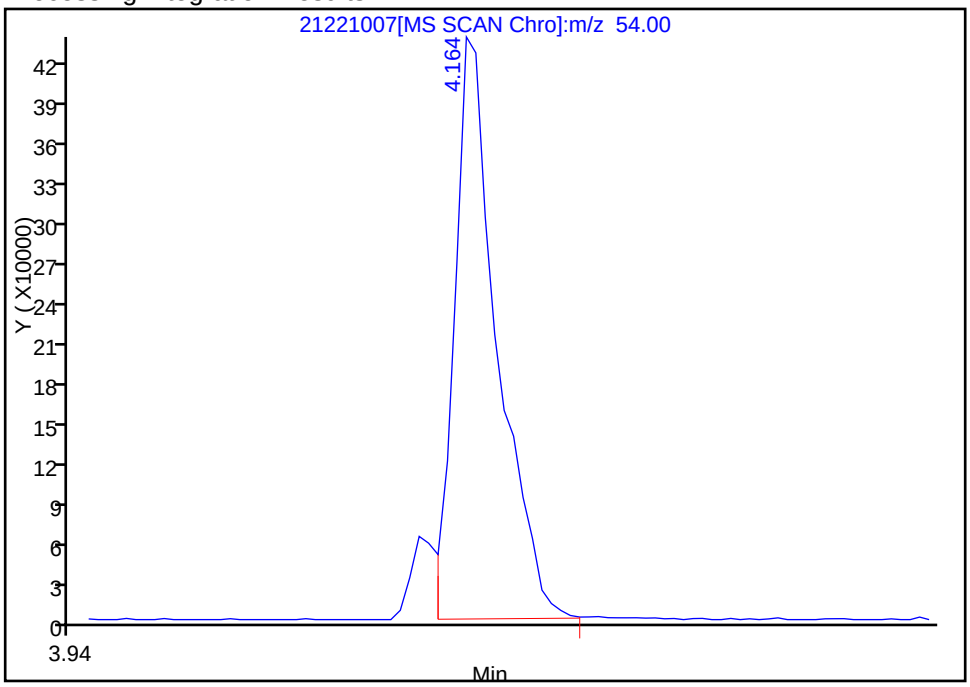
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221007.D		
Injection Date:	21-Dec-2012 15:44:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	7
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

29 3-Chloropropionitrile, Signal: 1, m/z: 54.0 Type: quant, RT: 4.17

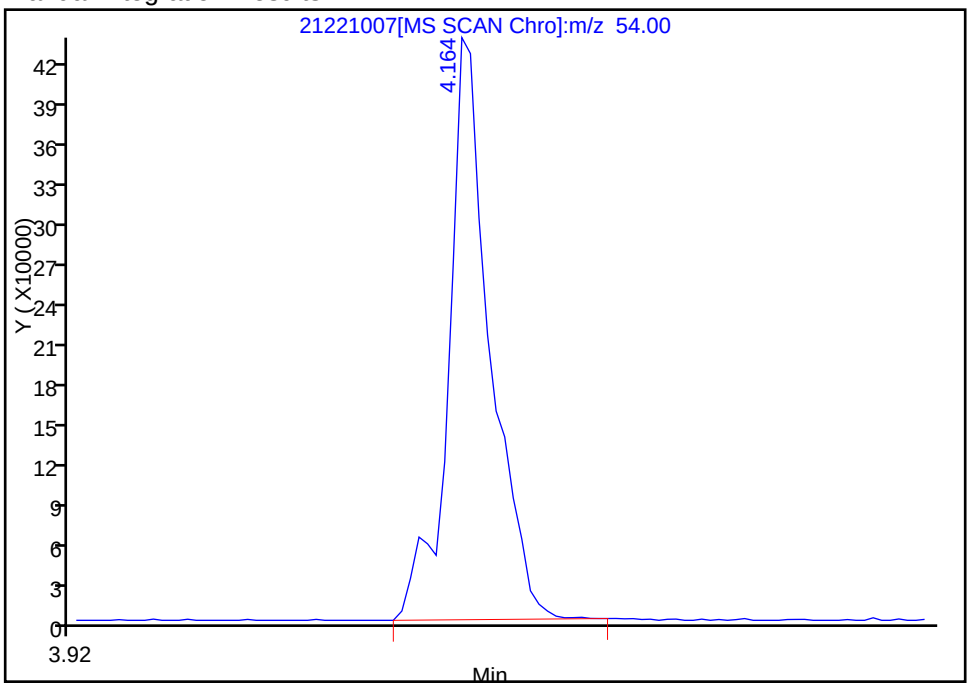
Processing Integration Results

RT: 4.16
Response: 732636
Amount: 25.609702



Manual Integration Results

RT: 4.16
Response: 783792
Amount: 26.551862



Reviewer: ulmanm, 22-Dec-2012 10:21:39
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

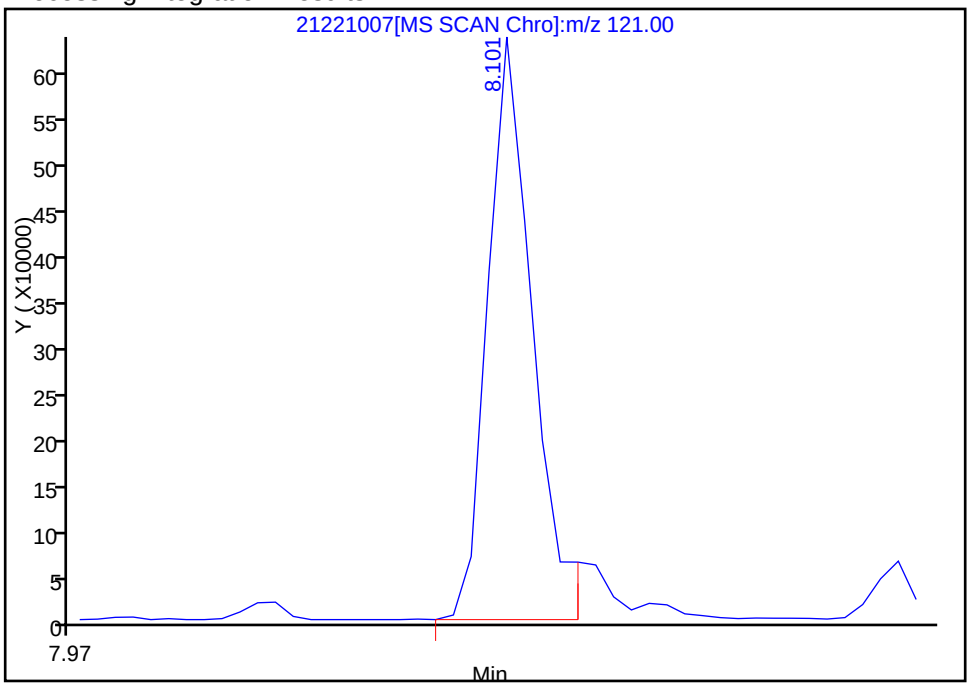
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221007.D		
Injection Date:	21-Dec-2012 15:44:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	7
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

97 2,4-Toluene diamine, Signal: 1, m/z: 121.0 Type: quant, RT: 8.10

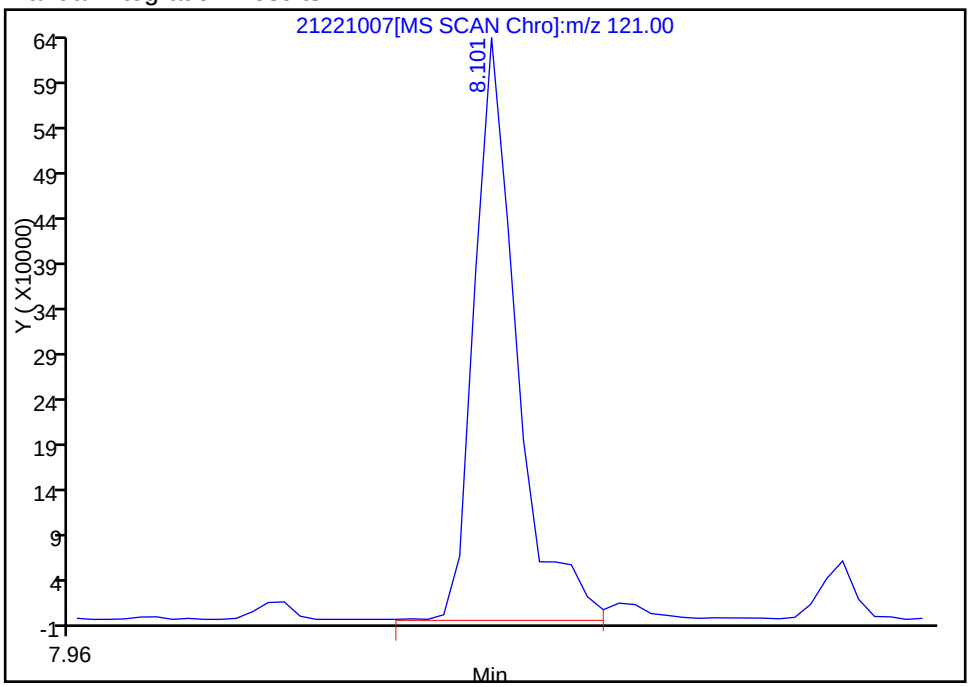
Processing Integration Results

RT: 8.10
Response: 591359
Amount: 23.753866



Manual Integration Results

RT: 8.10
Response: 626792
Amount: 24.999243



Reviewer: ulmanm, 22-Dec-2012 10:21:39
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221008.D		
Lims ID:	std8 tcl	Client ID:	
Inject. Date:	21-Dec-2012 16:09:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	8
Sample ID:	240-0016106-008		
Misc. Info.:	STD8 TCL =STD8 TCL		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	8
Lims Batch ID:	69820	Lims Sample ID:	8
Sublist:	chrom-8270 _9*sub13		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\8270 _9.m		
Last Update:	22-Dec-2012 11:07:43	Calib Date:	21-Dec-2012 20:45:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221019.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK002		
First Level Reviewer: ulmanm		Date:	22-Dec-2012 10:23:54

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.014	6.014	0.0	77	130383	4.00	
* 2 Naphthalene-d8	136	7.119	7.120	-0.001	99	502548	4.00	
* 3 Acenaphthene-d10	164	8.615	8.615	0.0	79	310482	4.00	
* 4 Phenanthrene-d10	188	9.881	9.882	-0.001	97	537525	4.00	
* 5 Chrysene-d12	240	12.494	12.494	0.0	75	552721	4.00	
* 6 Perylene-d12	264	14.620	14.625	-0.005	73	446410	4.00	
$ 7 2-Fluorophenol	112	4.785	4.785	0.0	94	910813	20.8	
$ 8 Phenol-d5	99	5.650	5.651	-0.001	0	1379112	21.4	
$ 9 Nitrobenzene-d5	82	6.494	6.495	-0.001	82	1722387	22.4	
$ 10 2-Fluorobiphenyl (Surr)	172	8.028	8.028	0.0	99	2616027	21.0	
$ 11 2,4,6-Tribromophenol	330	9.283	9.283	0.0	81	228550	19.6	
$ 12 Terphenyl-d14	244	11.260	11.260	0.0	97	2661135	21.3	
25 1,4-Dioxane	88	2.723	2.728	-0.005	91	474891	20.9	M
26 N-Nitrosodimethylamine	74	3.193	3.193	0.0	83	743709	21.6	M
27 Pyridine	79	3.246	3.252	-0.006	92	1292258	21.1	M
28 Ethyl methacrylate	69	3.818	3.818	0.0	84	1121024	21.2	M
29 3-Chloropropionitrile	54	4.165	4.165	0.0	85	638544	21.4	M
33 Malononitrile	66	4.486	4.481	0.005	94	1528417	22.5	
41 Benzaldehyde	77	5.624	5.624	0.0	86	1004739	17.7	
43 Phenol	94	5.666	5.661	0.005	94	1533039	21.1	
44 Aniline	93	5.714	5.715	-0.001	97	1909818	21.2	
69 Bis(2-chloroethyl)ether	93	5.768	5.763	0.005	97	1423582	20.7	
46 2-Chlorophenol	128	5.821	5.821	0.0	93	947480	21.6	
47 1,3-Dichlorobenzene	146	5.966	5.966	0.0	91	1166827	20.6	
48 1,4-Dichlorobenzene	146	6.030	6.030	0.0	87	963191	21.0	
49 Benzyl alcohol	108	6.120	6.115	0.005	86	682208	21.1	
50 1,2-Dichlorobenzene	146	6.163	6.163	0.0	89	1137724	20.7	
51 2-Methylphenol	108	6.201	6.201	0.0	95	1006968	21.1	
53 2,2'-oxybis[1-chloropropane]	45	6.238	6.238	0.0	96	1425770	20.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
21 3 & 4 Methylphenol	108	6.334	6.329	0.005	92	1076994	21.6	
57 N-Nitrosodi-n-propylamine	70	6.350	6.350	0.0	75	995266	22.1	
58 Acetophenone	105	6.361	6.356	0.005	86	1532276	21.0	
61 Hexachloroethane	117	6.462	6.463	-0.001	89	518732	21.5	
62 Nitrobenzene	77	6.510	6.511	-0.001	75	1780356	22.1	
64 Isophorone	82	6.713	6.708	0.005	95	2752245	22.3	
66 2-Nitrophenol	139	6.788	6.783	0.005	91	496848	20.8	
65 2,4-Dimethylphenol	107	6.799	6.794	0.005	96	1195924	22.4	
67 1,3,5-Trichlorobenzene	180	6.794	6.794	0.0	83	1013811	20.7	
71 Benzoic acid	122	6.879	6.831	0.048	70	1340121	41.3	
70 Bis(2-chloroethoxy)methane	93	6.884	6.885	-0.001	95	1840841	22.0	
73 2,4-Dichlorophenol	162	6.986	6.981	0.005	97	734306	22.5	
74 1,2,4-Trichlorobenzene	180	7.066	7.066	0.0	84	989972	20.7	
75 Naphthalene	128	7.141	7.141	0.0	98	2901987	21.9	
76 4-Chloroaniline	127	7.173	7.168	0.005	81	1189897	22.5	
79 Hexachlorobutadiene	225	7.237	7.237	0.0	88	554896	20.8	
80 1,2,3-Trichlorobenzene	180	7.258	7.259	-0.001	86	926077	0	
84 Caprolactam	113	7.467	7.445	0.022	83	314945	20.9	
86 4-Chloro-3-methylphenol	107	7.557	7.558	-0.001	88	1004628	22.8	
87 2-Methylnaphthalene	142	7.728	7.729	-0.001	85	1831212	21.0	
88 1-Methylnaphthalene	142	7.814	7.814	0.0	82	1744086	21.3	
89 Hexachlorocyclopentadiene	237	7.857	7.857	0.0	76	686313	22.7	
90 1,2,3,5-Tetrachlorobenzene	216	7.857	7.857	0.0	88	1073165	20.9	
92 2,4,6-Trichlorophenol	196	7.953	7.953	0.0	93	545710	21.0	
93 2,4,5-Trichlorophenol	196	7.985	7.985	0.0	92	609729	21.9	
97 2,4-Toluene diamine	121	8.097	8.097	0.0	97	451191	18.4	
99 1,2,3,4 -Tetrachlorobenzene	216	8.113	8.113	0.0	85	1024177	0	
98 1,1'-Biphenyl	154	8.118	8.119	-0.001	95	2432848	20.9	
100 2-Chloronaphthalene	162	8.145	8.145	0.0	97	2109317	20.7	
102 2-Nitroaniline	65	8.215	8.215	0.0	72	742428	20.1	
105 Dimethyl phthalate	163	8.353	8.354	-0.001	95	1991595	21.7	
107 2,6-Dinitrotoluene	165	8.412	8.412	0.0	78	536439	20.1	
108 1,2-Dinitrobenzene	168	8.466	8.461	0.006	83	283688	22.4	
109 Acenaphthylene	152	8.503	8.498	0.005	95	3237768	22.0	
110 3-Nitroaniline	138	8.562	8.562	0.0	87	503862	22.9	
112 Acenaphthene	153	8.647	8.647	0.0	93	1904458	20.3	
111 2,4-Dinitrophenol	184	8.647	8.647	0.0	70	644706	39.8	
113 4-Nitrophenol	109	8.674	8.669	0.005	88	348584	19.9	
114 2,4-Dinitrotoluene	165	8.759	8.754	0.005	79	714591	20.1	
116 Dibenzofuran	168	8.792	8.792	0.0	84	2657051	20.3	
118 2,3,5,6-Tetrachlorophenol	232	8.845	8.845	0.0	88	521013	21.7	
121 Diethyl phthalate	149	8.946	8.947	-0.001	95	2176114	22.1	
123 4-Chlorophenyl phenyl ether	204	9.069	9.070	-0.001	91	1305506	21.2	
125 4-Nitroaniline	138	9.080	9.075	0.005	60	552307	20.1	
126 Fluorene	166	9.085	9.080	0.005	68	2118939	21.3	
128 4,6-Dinitro-2-methylphenol	198	9.101	9.102	-0.001	67	391110	20.9	
131 N-Nitrosodiphenylamine	169	9.160	9.160	0.0	98	1648797	22.3	
132 1,2-Diphenylhydrazine	77	9.203	9.203	0.0	100	3531438	23.4	
133 Azobenzene	77	9.203	9.203	0.0	93	3531438	23.4	
139 4-Bromophenyl phenyl ether	248	9.486	9.486	0.0	66	695427	21.6	
141 Hexachlorobenzene	284	9.550	9.550	0.0	78	644859	20.8	
142 Atrazine	200	9.593	9.593	0.0	83	407485	20.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	9.705	9.705	0.0	75	843539	41.9	
148 Phenanthrene	178	9.903	9.903	0.0	86	3170028	21.2	
149 Anthracene	178	9.951	9.951	0.0	86	3347412	22.7	
151 Carbazole	167	10.074	10.068	0.006	81	3141931	23.2	
154 Di-n-butyl phthalate	149	10.325	10.325	0.0	100	3971153	23.8	
159 Fluoranthene	202	10.923	10.923	0.0	98	3803371	23.1	
160 Benzidine	184	11.019	11.019	0.0	99	1579841	21.1	
161 Pyrene	202	11.142	11.142	0.0	95	3948673	22.0	
168 Butyl benzyl phthalate	149	11.746	11.751	-0.005	92	1628110	23.3	
172 3,3'-Dimethoxybenzidine	244	12.376	12.376	0.0	85	922816	20.8	
175 3,3'-Dichlorobenzidine	252	12.424	12.424	0.0	72	1290590	22.9	
174 4,4'-Methylene bis(2-chloroanili	231	12.424	12.424	0.0	72	658312	20.3	
173 Bis(2-ethylhexyl) phthalate	149	12.440	12.446	-0.006	96	2365591	23.3	
177 Benzo[a]anthracene	228	12.478	12.478	0.0	86	3478369	20.4	
178 Chrysene	228	12.531	12.531	0.0	88	3166464	20.5	
180 Di-n-octyl phthalate	149	13.375	13.375	0.0	100	3946321	20.4	
182 Benzo[b]fluoranthene	252	14.032	14.027	0.005	86	3158942	21.2	
183 Benzo[k]fluoranthene	252	14.075	14.070	0.005	81	3398627	22.5	
184 Benzo[a]pyrene	252	14.540	14.535	0.006	74	3080509	22.8	
188 Indeno[1,2,3-cd]pyrene	276	16.340	16.335	0.005	81	3335807	22.2	
189 Dibenz(a,h)anthracene	278	16.367	16.362	0.005	62	2546401	21.9	
190 Benzo[g,h,i]perylene	276	16.821	16.805	0.016	78	2741480	20.2	
S 191 Methyl Phenols,Total	100				0		42.7	

QC Flag Legend

Review Flags
M - Manually Integrated

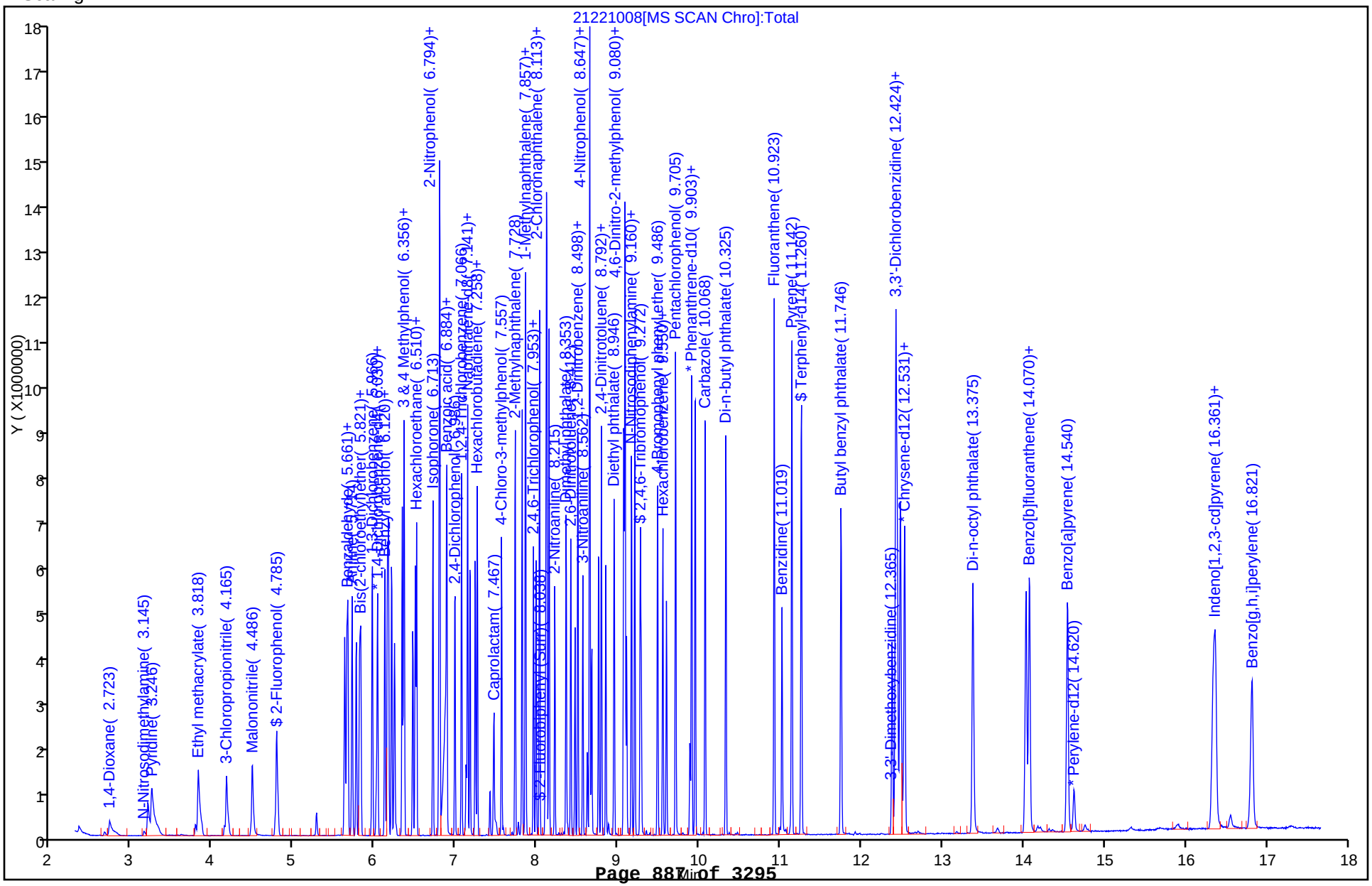
Report Date: 22-Dec-2012 11:07:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221008.D

Injection Date:	21-Dec-2012 16:09:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	8
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

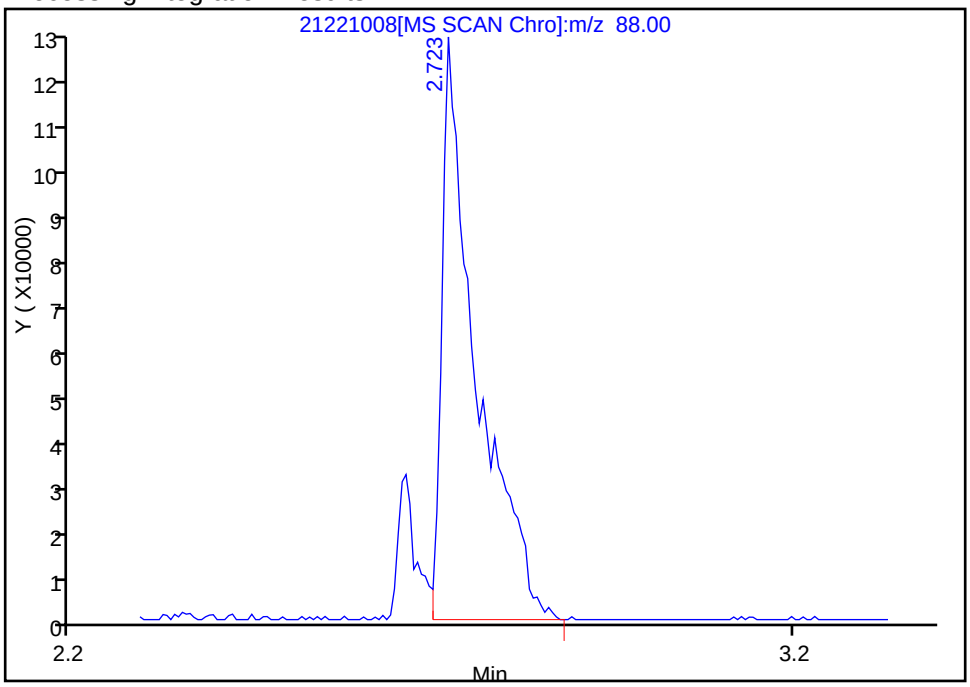
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221008.D		
Injection Date:	21-Dec-2012 16:09:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	8
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

25 1,4-Dioxane, Signal: 1, m/z: 88.0 Type: quant, RT: 2.73

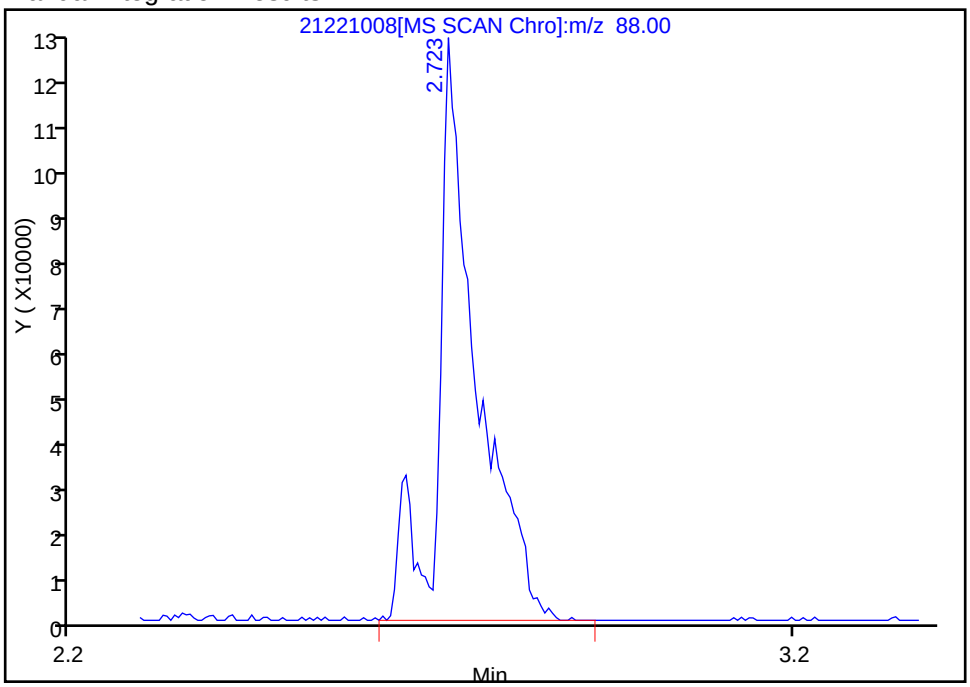
Processing Integration Results

RT: 2.72
Response: 421587
Amount: 19.588964



Manual Integration Results

RT: 2.72
Response: 474891
Amount: 20.893342



Reviewer: ulmanm, 22-Dec-2012 10:23:54
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

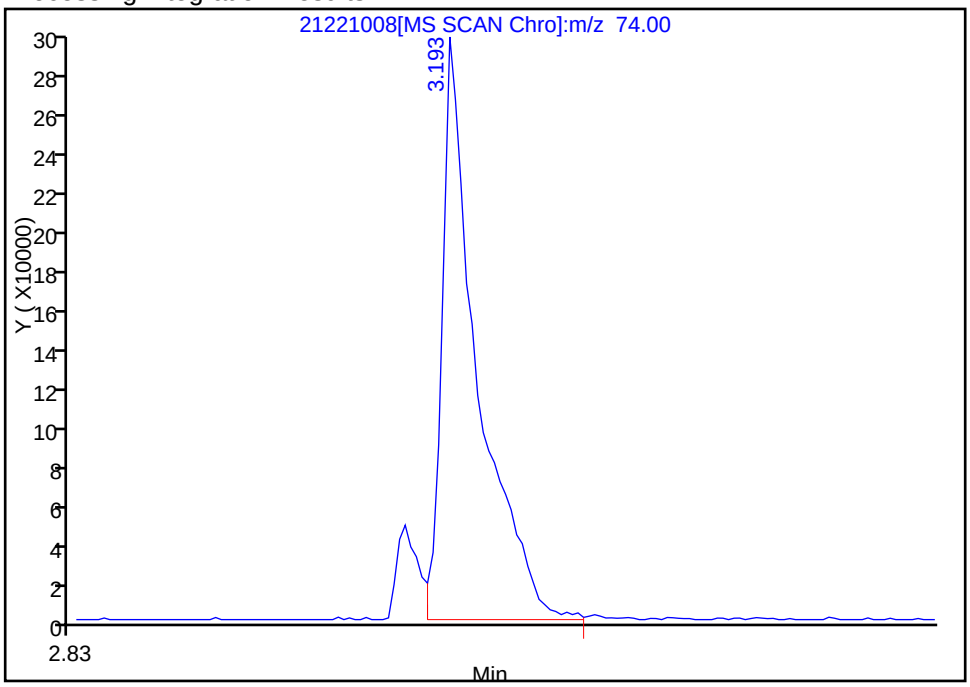
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221008.D		
Injection Date:	21-Dec-2012 16:09:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	8
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

26 N-Nitrosodimethylamine, Signal: 1, m/z: 74.0 Type: quant, RT: 3.19

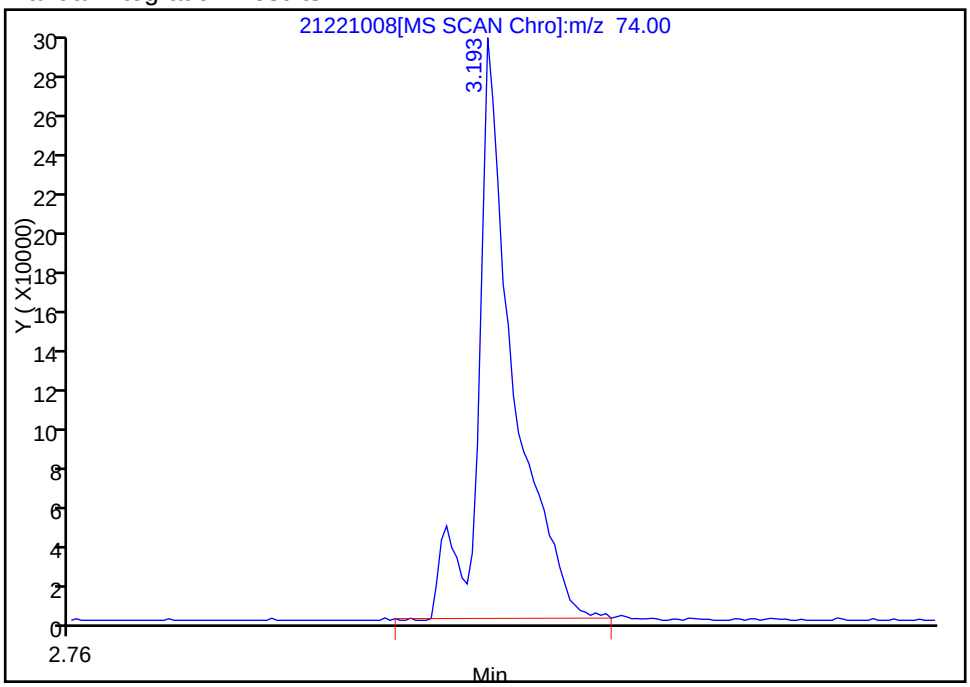
Processing Integration Results

RT: 3.19
Response: 693476
Amount: 20.716024



Manual Integration Results

RT: 3.19
Response: 743709
Amount: 21.583469



Reviewer: ulmanm, 22-Dec-2012 10:23:54
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

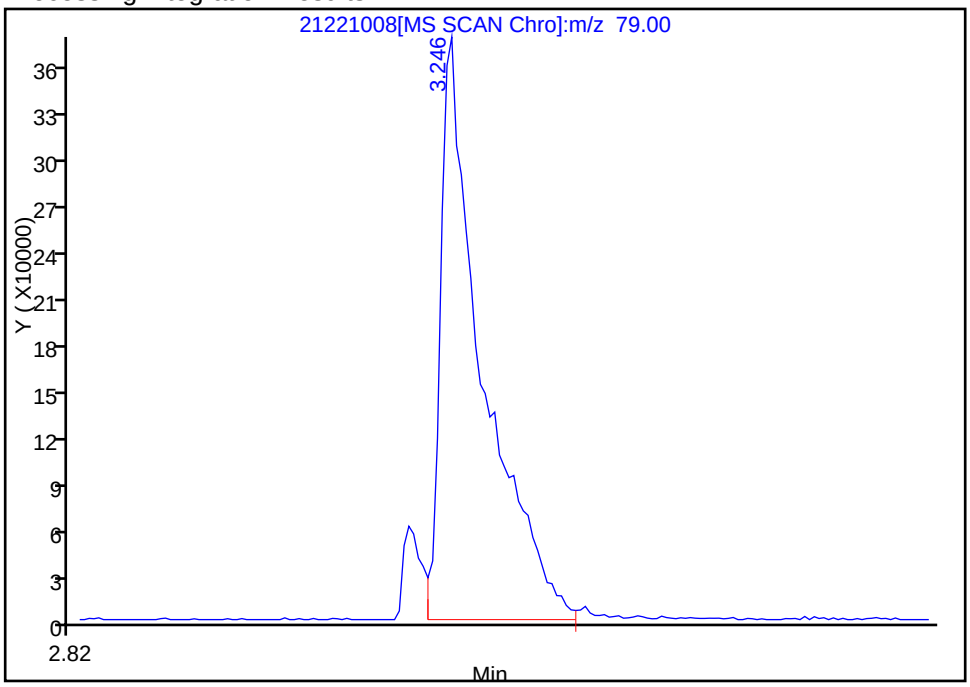
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221008.D		
Injection Date:	21-Dec-2012 16:09:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	8
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

27 Pyridine, Signal: 1, m/z: 79.0 Type: quant, RT: 3.25

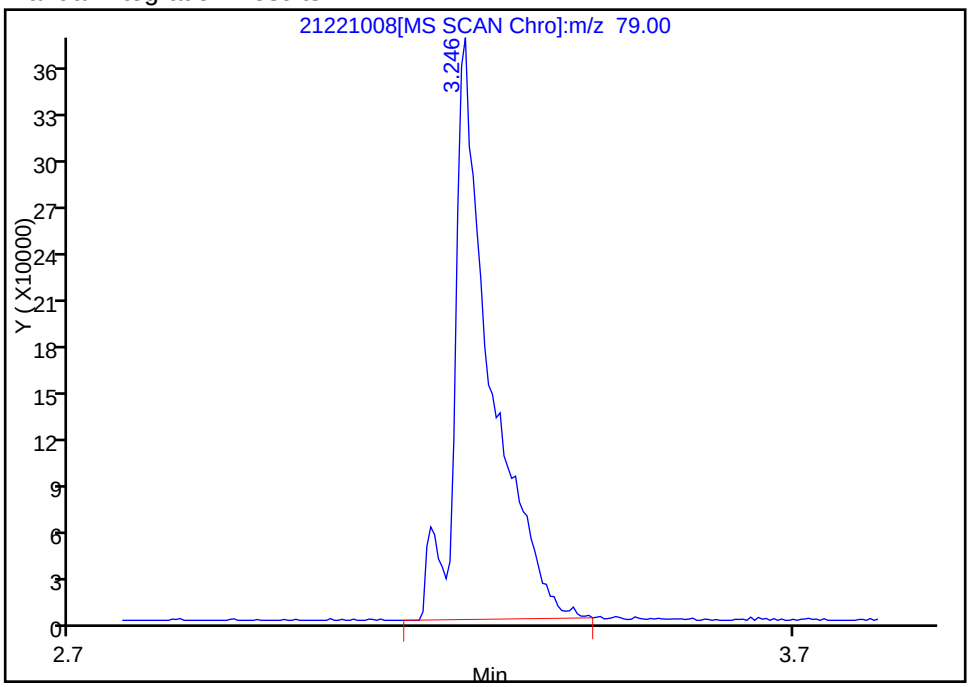
Processing Integration Results

RT: 3.25
Response: 1218109
Amount: 20.254087



Manual Integration Results

RT: 3.25
Response: 1292258
Amount: 21.054952



Reviewer: ulmanm, 22-Dec-2012 10:23:54
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

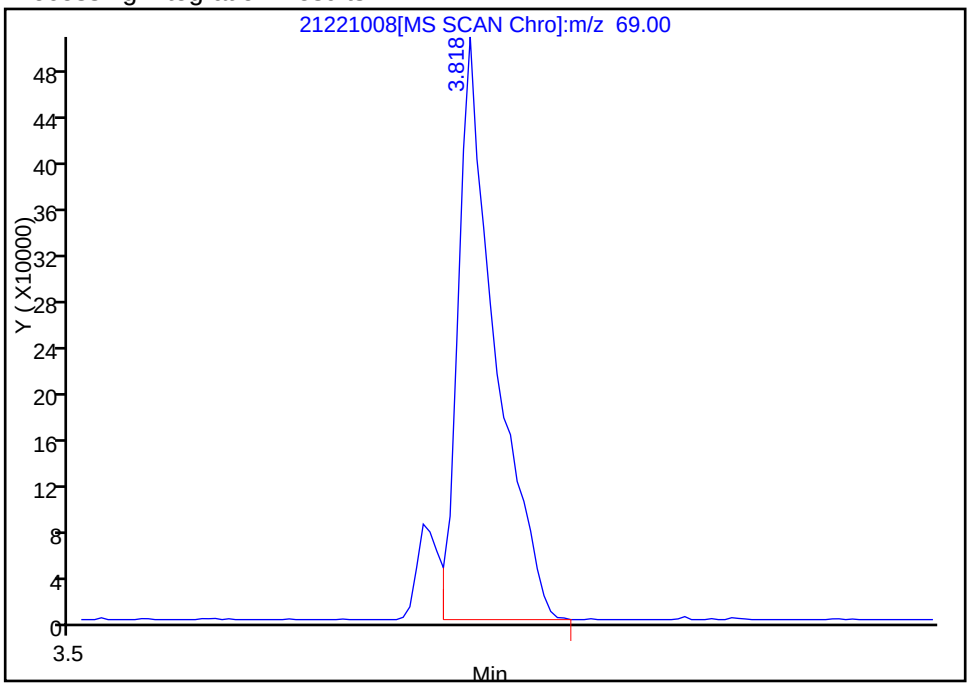
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221008.D		
Injection Date:	21-Dec-2012 16:09:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	8
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

28 Ethyl methacrylate, Signal: 1, m/z: 69.0 Type: quant, RT: 3.82

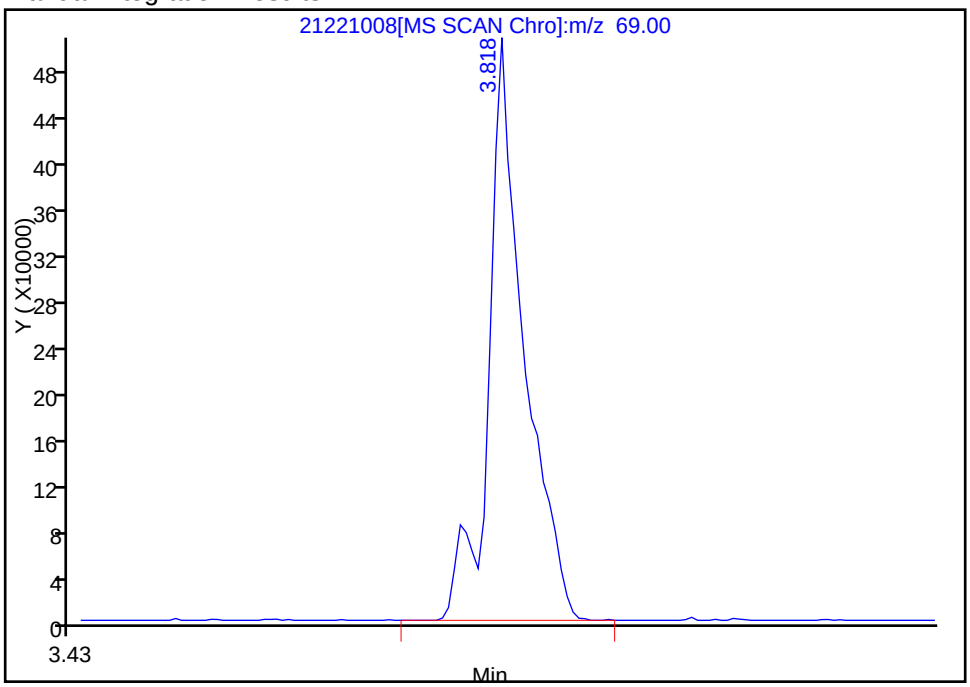
Processing Integration Results

RT: 3.82
Response: 1032305
Amount: 20.142472



Manual Integration Results

RT: 3.82
Response: 1121024
Amount: 21.199133



Reviewer: ulmanm, 22-Dec-2012 10:23:54
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

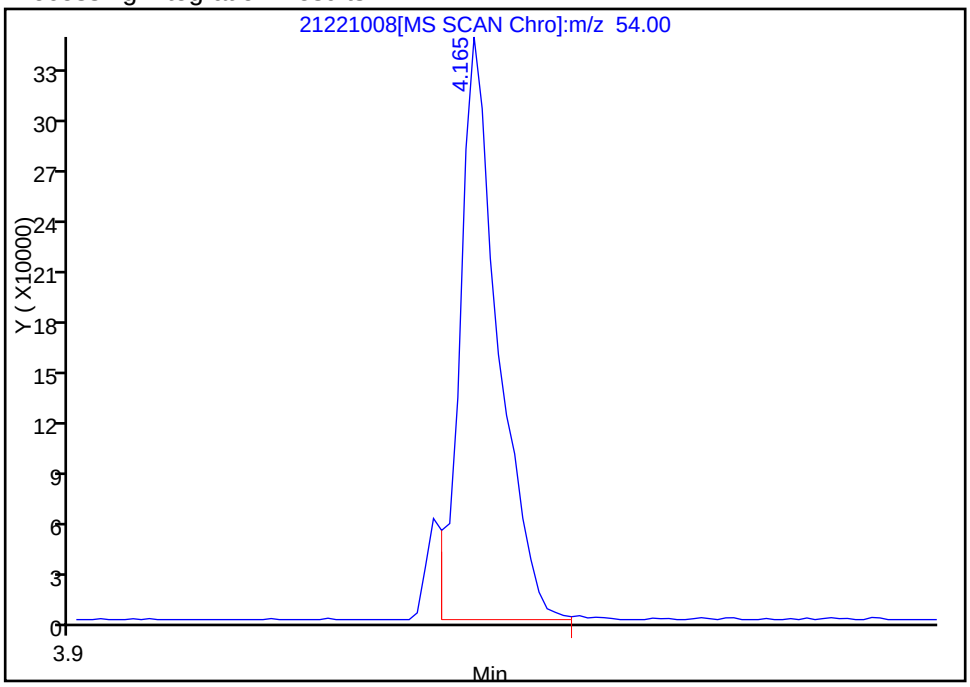
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221008.D		
Injection Date:	21-Dec-2012 16:09:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	8
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

29 3-Chloropropionitrile, Signal: 1, m/z: 54.0 Type: quant, RT: 4.17

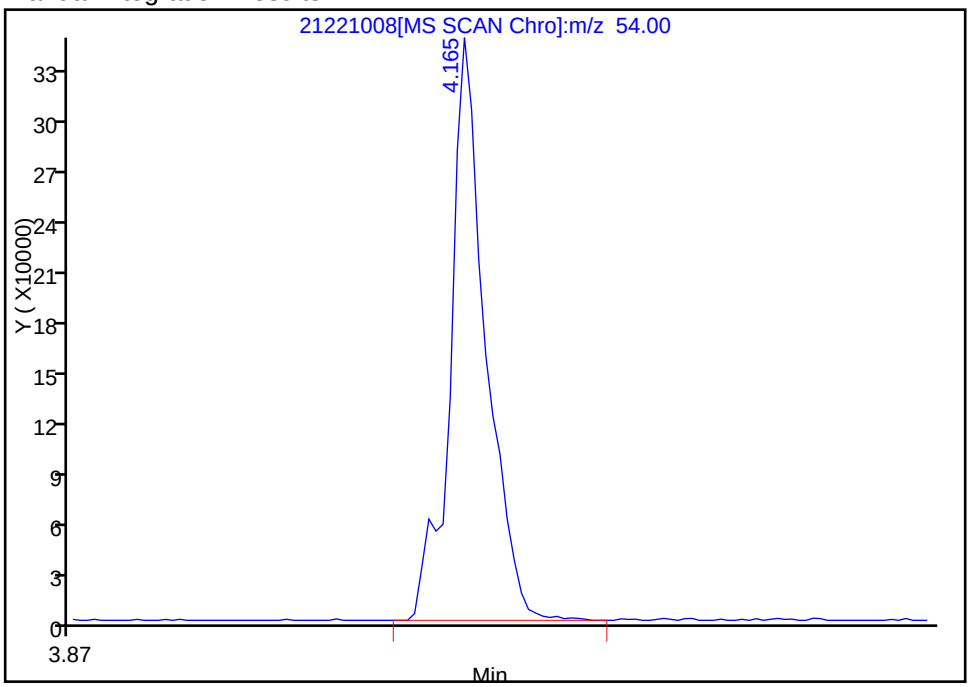
Processing Integration Results

RT: 4.17
Response: 605937
Amount: 20.790616



Manual Integration Results

RT: 4.17
Response: 638544
Amount: 21.422707



Reviewer: ulmanm, 22-Dec-2012 10:23:54
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221009.D
Lims ID: std7 tcl
Client ID:
Inject. Date: 21-Dec-2012 16:34:30
Dil. Factor: 1.0000
Sample Type: IC
Calib Level: 7
Sample ID: 240-0016106-009
Misc. Info.: STD7 TCL =STD7 TCL
Operator: 001574
Instrument ID: A4HP9
Injection Vol: 1.0 ul
ALS Bottle#: 9
Lims Batch ID: 69820
Lims Sample ID: 9
Sublist: chrom-8270 _9*sub13
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121221-16106.b\8270 _9.m
Last Update: 22-Dec-2012 11:07:45
Calib Date: 21-Dec-2012 20:45:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221019.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK002

First Level Reviewer: ulmanm
Date: 22-Dec-2012 10:26:14

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.012	6.014	-0.002	96	137500	4.00	
* 2 Naphthalene-d8	136	7.123	7.120	0.003	99	538551	4.00	
* 3 Acenaphthene-d10	164	8.619	8.615	0.004	75	323120	4.00	
* 4 Phenanthrene-d10	188	9.885	9.882	0.003	98	585839	4.00	
* 5 Chrysene-d12	240	12.497	12.494	0.003	73	578413	4.00	
* 6 Perylene-d12	264	14.623	14.625	-0.002	81	457258	4.00	
$ 7 2-Fluorophenol	112	4.783	4.785	-0.002	93	722739	15.7	
$ 8 Phenol-d5	99	5.648	5.651	-0.003	0	1040637	15.3	
$ 9 Nitrobenzene-d5	82	6.492	6.495	-0.003	83	1350328	16.4	
$ 10 2-Fluorobiphenyl (Surr)	172	8.026	8.028	-0.002	99	1981695	15.3	
$ 11 2,4,6-Tribromophenol	330	9.286	9.283	0.003	85	179826	15.2	
$ 12 Terphenyl-d14	244	11.258	11.260	-0.002	98	2039332	15.6	
25 1,4-Dioxane	88	2.726	2.728	-0.002	89	369225	15.4	M
26 N-Nitrosodimethylamine	74	3.196	3.193	0.003	86	566250	15.6	M
27 Pyridine	79	3.244	3.252	-0.008	93	1000968	15.5	M
28 Ethyl methacrylate	69	3.816	3.818	-0.002	85	852150	15.3	M
29 3-Chloropropionitrile	54	4.163	4.165	-0.002	86	490777	15.6	M
33 Malononitrile	66	4.484	4.481	0.003	94	1165496	16.3	
41 Benzaldehyde	77	5.622	5.624	-0.002	88	872171	14.6	
43 Phenol	94	5.664	5.661	0.003	90	1154616	15.1	
44 Aniline	93	5.712	5.715	-0.003	95	1470557	15.4	
69 Bis(2-chloroethyl)ether	93	5.766	5.763	0.003	97	1092495	15.0	
46 2-Chlorophenol	128	5.819	5.821	-0.002	91	700276	15.2	
47 1,3-Dichlorobenzene	146	5.964	5.966	-0.002	91	871895	14.6	
48 1,4-Dichlorobenzene	146	6.028	6.030	-0.002	85	718184	14.8	
49 Benzyl alcohol	108	6.118	6.115	0.003	86	533374	15.7	
50 1,2-Dichlorobenzene	146	6.161	6.163	-0.002	86	845041	14.6	
51 2-Methylphenol	108	6.204	6.201	0.003	95	769882	15.3	
53 2,2'-oxybis[1-chloropropane]	45	6.236	6.238	-0.002	95	1106597	15.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
21 3 & 4 Methylphenol	108	6.332	6.329	0.003	90	846717	16.1	
57 N-Nitrosodi-n-propylamine	70	6.348	6.350	-0.002	75	740260	15.6	
58 Acetophenone	105	6.359	6.356	0.003	83	1172265	15.2	
61 Hexachloroethane	117	6.466	6.463	0.003	89	398156	15.6	
62 Nitrobenzene	77	6.508	6.511	-0.003	75	1315388	15.2	
64 Isophorone	82	6.711	6.708	0.003	95	2093949	15.9	
66 2-Nitrophenol	139	6.786	6.783	0.003	88	352910	14.5	
65 2,4-Dimethylphenol	107	6.797	6.794	0.003	97	888223	15.5	
67 1,3,5-Trichlorobenzene	180	6.797	6.794	0.003	83	784545	14.9	
71 Benzoic acid	122	6.866	6.831	0.035	84	973141	29.5	M
70 Bis(2-chloroethoxy)methane	93	6.882	6.885	-0.003	92	1381309	15.4	
73 2,4-Dichlorophenol	162	6.984	6.981	0.003	93	564027	16.1	
74 1,2,4-Trichlorobenzene	180	7.064	7.066	-0.002	84	757121	14.7	
75 Naphthalene	128	7.139	7.141	-0.002	98	2166110	15.3	
76 4-Chloroaniline	127	7.171	7.168	0.003	81	909266	16.1	
79 Hexachlorobutadiene	225	7.235	7.237	-0.002	88	423847	14.9	
80 1,2,3-Trichlorobenzene	180	7.262	7.259	0.003	84	696887	0	
84 Caprolactam	113	7.459	7.445	0.014	77	237062	14.6	
86 4-Chloro-3-methylphenol	107	7.561	7.558	0.003	85	752386	15.9	
87 2-Methylnaphthalene	142	7.726	7.729	-0.003	86	1415002	15.1	
88 1-Methylnaphthalene	142	7.812	7.814	-0.002	81	1317955	15.0	
89 Hexachlorocyclopentadiene	237	7.855	7.857	-0.002	71	505738	16.1	
90 1,2,3,5-Tetrachlorobenzene	216	7.855	7.857	-0.002	88	783754	14.6	
92 2,4,6-Trichlorophenol	196	7.956	7.953	0.003	90	415081	15.3	
93 2,4,5-Trichlorophenol	196	7.983	7.985	-0.002	90	458891	15.8	
97 2,4-Toluene diamine	121	8.100	8.097	0.003	97	349462	13.3	
99 1,2,3,4 -Tetrachlorobenzene	216	8.111	8.113	-0.002	87	762447	0	
98 1,1'-Biphenyl	154	8.116	8.119	-0.003	94	1792447	14.8	
100 2-Chloronaphthalene	162	8.143	8.145	-0.002	97	1577267	14.8	
102 2-Nitroaniline	65	8.213	8.215	-0.002	73	556286	14.9	
105 Dimethyl phthalate	163	8.357	8.354	0.003	96	1503708	15.7	
107 2,6-Dinitrotoluene	165	8.416	8.412	0.004	83	413430	15.2	
108 1,2-Dinitrobenzene	168	8.464	8.461	0.004	82	209765	15.9	
109 Acenaphthylene	152	8.501	8.498	0.003	95	2384363	15.6	
110 3-Nitroaniline	138	8.560	8.562	-0.002	86	377722	16.5	
112 Acenaphthene	153	8.645	8.647	-0.002	88	1435034	14.7	
111 2,4-Dinitrophenol	184	8.645	8.647	-0.002	67	489548	30.3	
113 4-Nitrophenol	109	8.672	8.669	0.003	87	267794	15.1	
114 2,4-Dinitrotoluene	165	8.758	8.754	0.004	81	527251	14.8	
116 Dibenzofuran	168	8.790	8.792	-0.002	86	2025568	14.9	
118 2,3,5,6-Tetrachlorophenol	232	8.848	8.845	0.003	89	396179	15.9	
121 Diethyl phthalate	149	8.950	8.947	0.003	96	1616541	15.8	
123 4-Chlorophenyl phenyl ether	204	9.067	9.070	-0.003	93	979680	15.3	
125 4-Nitroaniline	138	9.078	9.075	0.003	77	424072	15.1	
126 Fluorene	166	9.083	9.080	0.003	81	1572145	15.2	
128 4,6-Dinitro-2-methylphenol	198	9.099	9.102	-0.003	76	283932	14.5	
131 N-Nitrosodiphenylamine	169	9.164	9.160	0.004	98	1246733	15.4	
132 1,2-Diphenylhydrazine	77	9.201	9.203	-0.002	100	2597690	15.8	
133 Azobenzene	77	9.201	9.203	-0.002	94	2597690	15.8	
139 4-Bromophenyl phenyl ether	248	9.484	9.486	-0.002	70	517906	14.8	
141 Hexachlorobenzene	284	9.548	9.550	-0.002	80	487626	14.5	
142 Atrazine	200	9.596	9.593	0.003	85	327770	14.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	9.708	9.705	0.003	84	632837	29.1	
148 Phenanthrene	178	9.906	9.903	0.003	97	2390933	14.7	
149 Anthracene	178	9.949	9.951	-0.002	87	2488688	15.5	
151 Carbazole	167	10.072	10.068	0.004	81	2345565	15.9	
154 Di-n-butyl phthalate	149	10.328	10.325	0.003	100	2958480	16.3	
159 Fluoranthene	202	10.921	10.923	-0.002	98	2815484	15.7	
160 Benzidine	184	11.017	11.019	-0.002	99	1174469	15.2	
161 Pyrene	202	11.140	11.142	-0.002	95	2886203	15.3	
168 Butyl benzyl phthalate	149	11.749	11.751	-0.002	92	1180597	16.2	
172 3,3'-Dimethoxybenzidine	244	12.379	12.376	0.003	85	673469	15.2	
175 3,3'-Dichlorobenzidine	252	12.422	12.424	-0.002	72	982024	16.7	
174 4,4'-Methylene bis(2-chloroanili	231	12.422	12.424	-0.002	72	510242	15.2	
173 Bis(2-ethylhexyl) phthalate	149	12.438	12.446	-0.008	96	1749846	16.4	
177 Benzo[a]anthracene	228	12.481	12.478	0.003	83	2645907	15.1	
178 Chrysene	228	12.529	12.531	-0.002	88	2421418	14.9	
180 Di-n-octyl phthalate	149	13.373	13.375	-0.002	100	2840802	15.0	
182 Benzo[b]fluoranthene	252	14.025	14.027	-0.002	80	2367233	15.5	
183 Benzo[k]fluoranthene	252	14.073	14.070	0.003	90	2564413	16.6	
184 Benzo[a]pyrene	252	14.538	14.535	0.004	77	2252272	16.2	
188 Indeno[1,2,3-cd]pyrene	276	16.338	16.335	0.003	78	2461406	16.0	
189 Dibenz(a,h)anthracene	278	16.365	16.362	0.003	62	1892777	15.9	
190 Benzo[g,h,i]perylene	276	16.813	16.805	0.008	80	2038609	15.1	
S 191 Methyl Phenols,Total	100				0		31.4	

QC Flag Legend

Review Flags
M - Manually Integrated

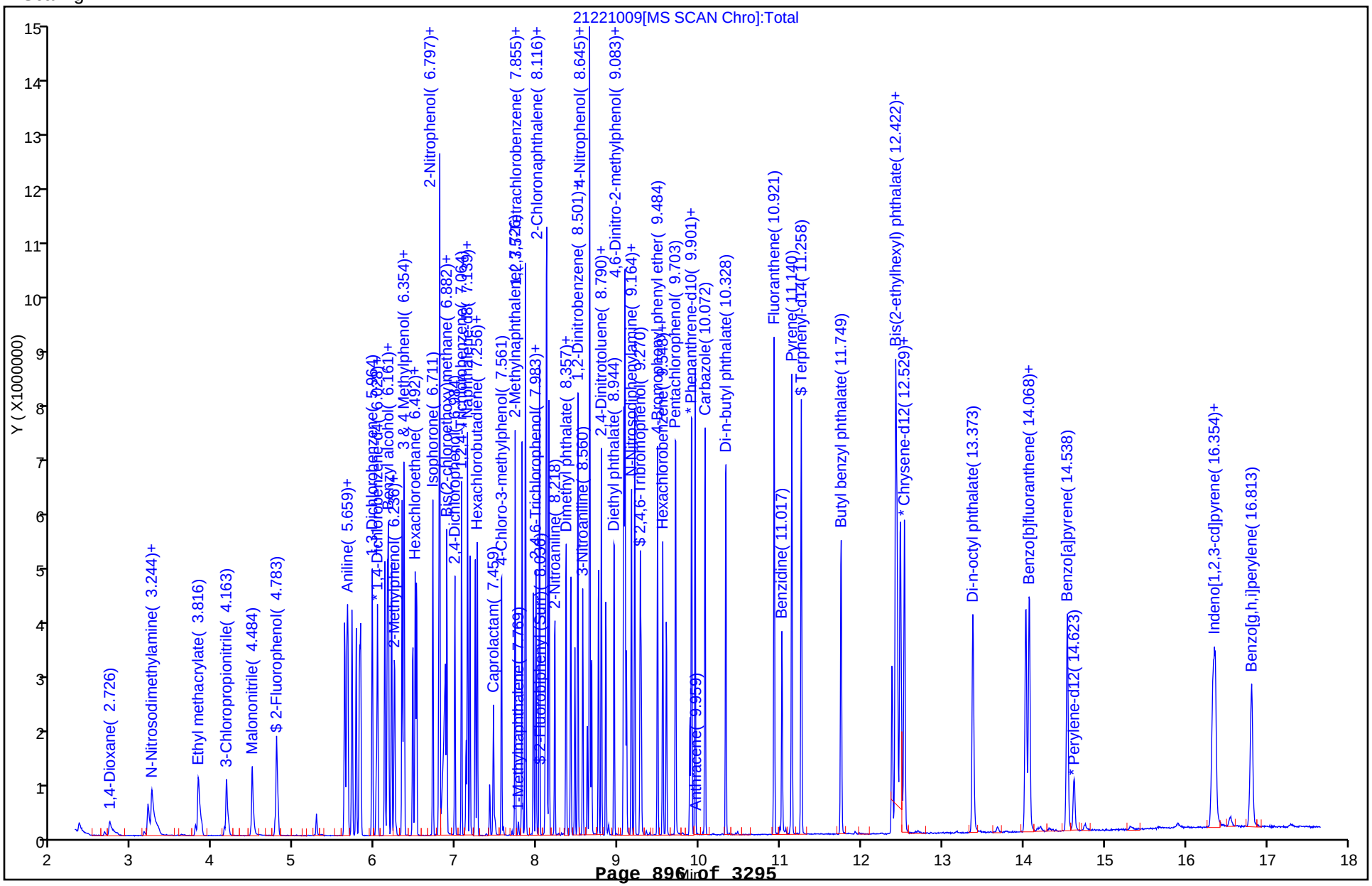
Report Date: 22-Dec-2012 11:07:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221009.D

Injection Date:	21-Dec-2012 16:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	9
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

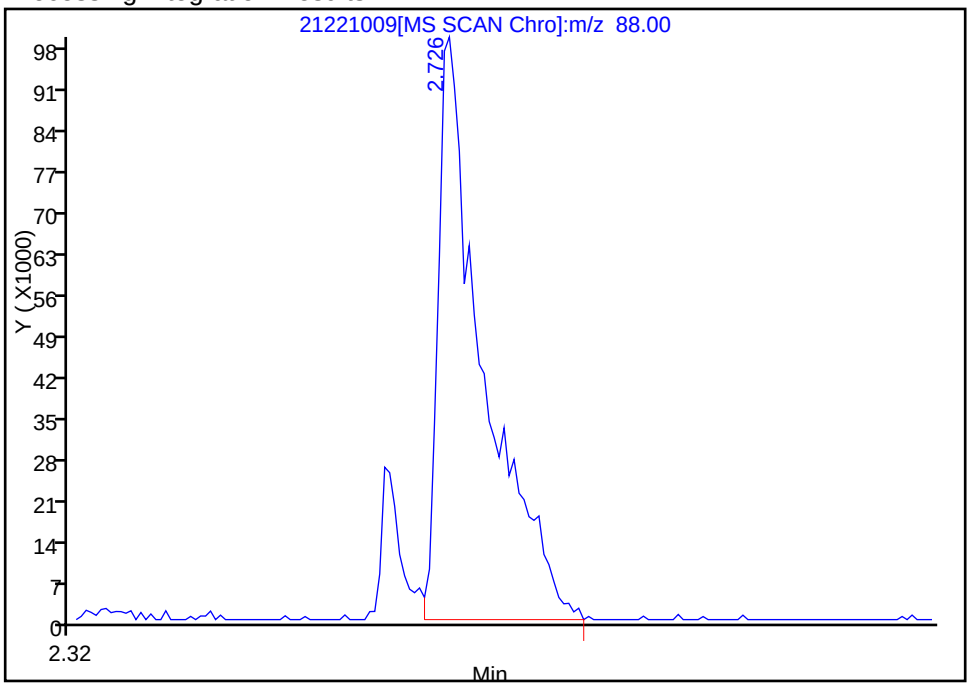
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221009.D		
Injection Date:	21-Dec-2012 16:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	9
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

25 1,4-Dioxane, Signal: 1, m/z: 88.0 Type: quant, RT: 2.73

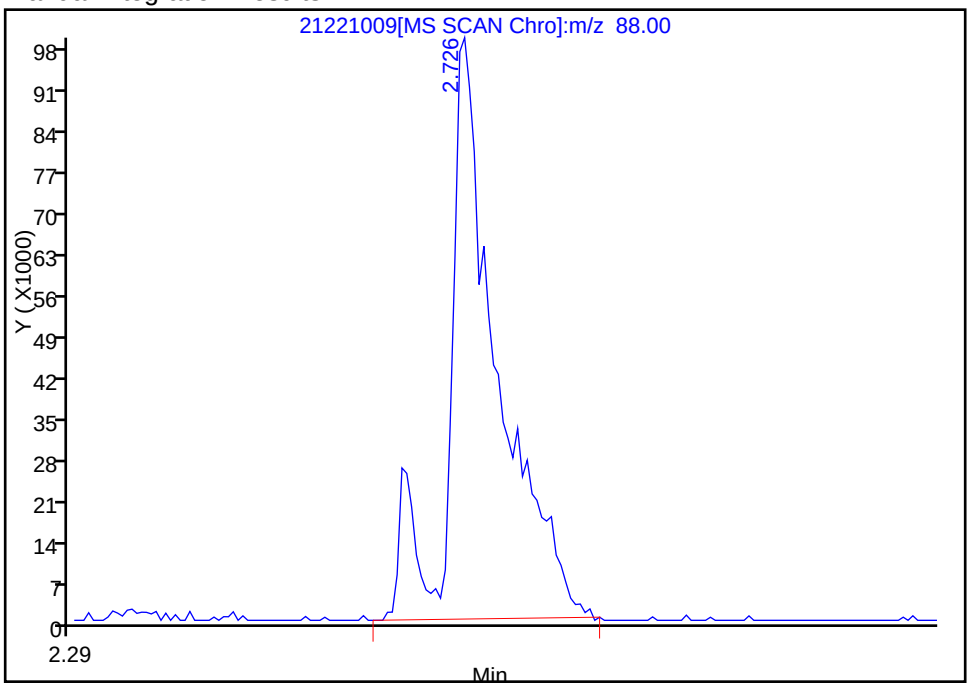
Processing Integration Results

RT: 2.73
Response: 336299
Amount: 14.591396



Manual Integration Results

RT: 2.73
Response: 369225
Amount: 15.403639



Reviewer: ulmanm, 22-Dec-2012 10:26:14
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

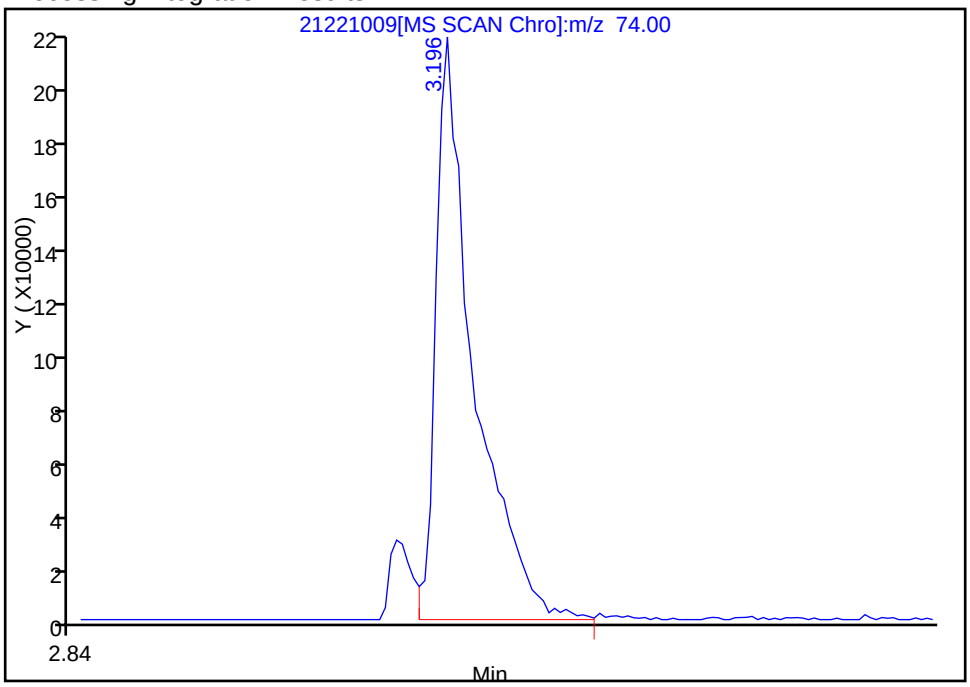
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221009.D		
Injection Date:	21-Dec-2012 16:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	9
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

26 N-Nitrosodimethylamine, Signal: 1, m/z: 74.0 Type: quant, RT: 3.19

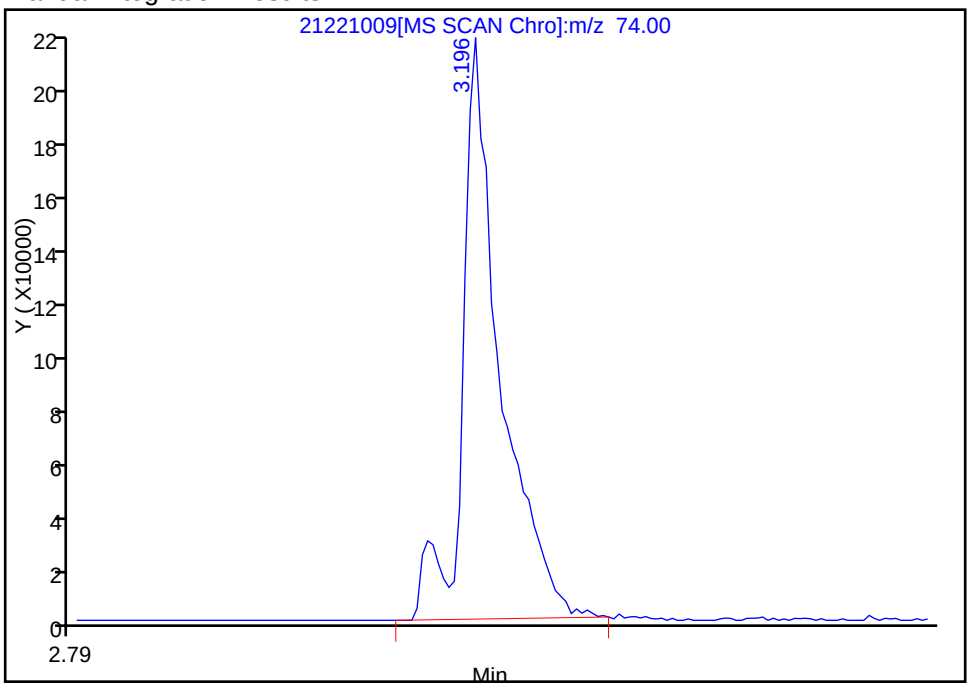
Processing Integration Results

RT: 3.20
Response: 535367
Amount: 15.024177



Manual Integration Results

RT: 3.20
Response: 566250
Amount: 15.582772



Reviewer: ulmanm, 22-Dec-2012 10:26:14
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

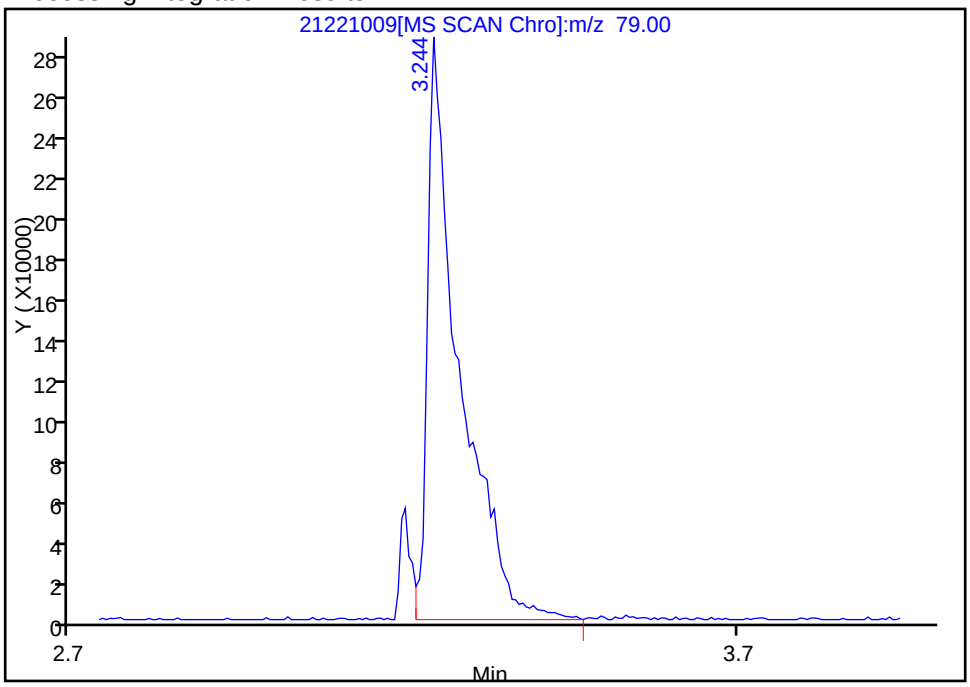
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221009.D		
Injection Date:	21-Dec-2012 16:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	9
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

27 Pyridine, Signal: 1, m/z: 79.0 Type: quant, RT: 3.25

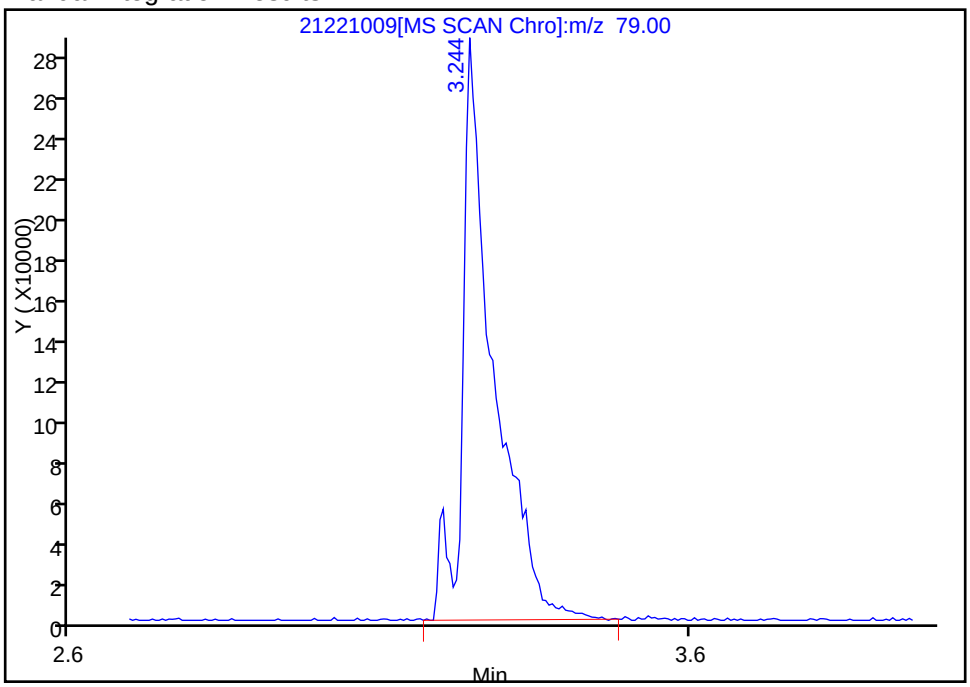
Processing Integration Results

RT: 3.24
Response: 948586
Amount: 14.841841



Manual Integration Results

RT: 3.24
Response: 1000968
Amount: 15.464771



Reviewer: ulmanm, 22-Dec-2012 10:26:14
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

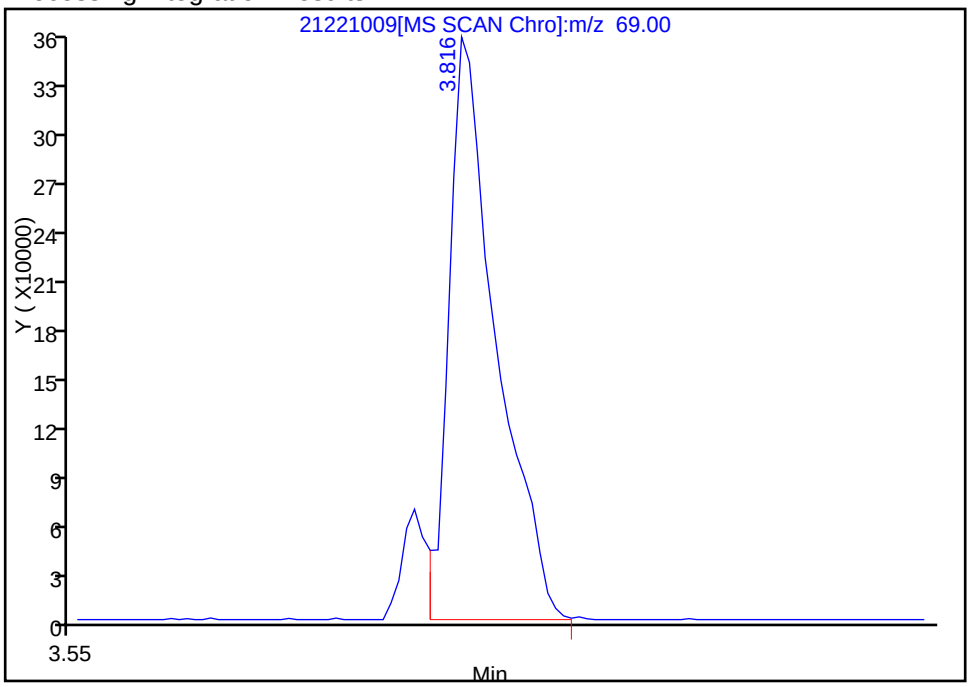
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221009.D		
Injection Date:	21-Dec-2012 16:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	9
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

28 Ethyl methacrylate, Signal: 1, m/z: 69.0 Type: quant, RT: 3.82

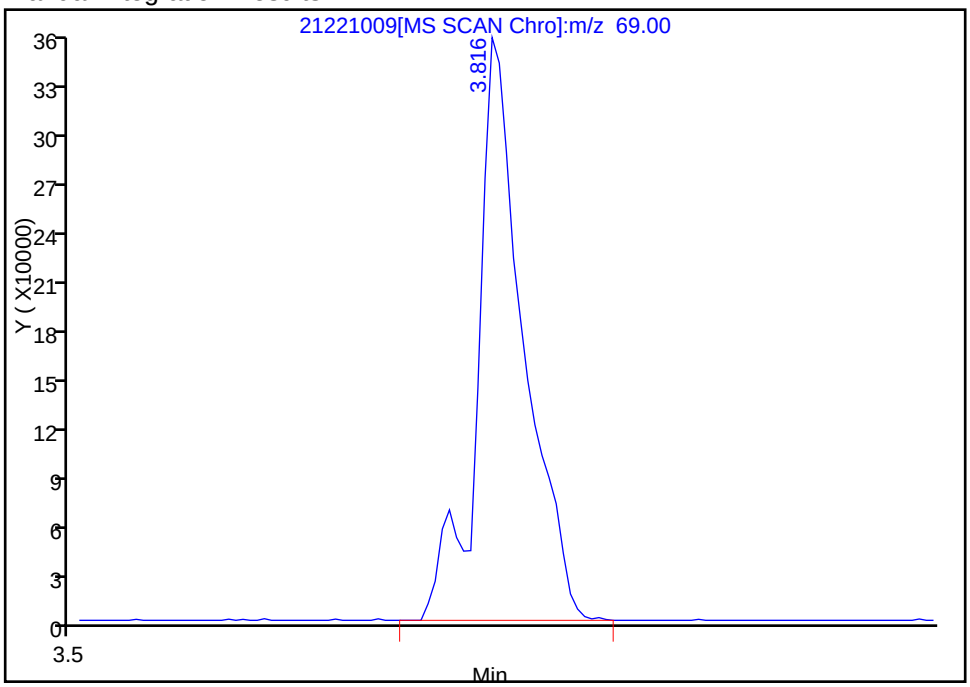
Processing Integration Results

RT: 3.82
Response: 785508
Amount: 14.378053



Manual Integration Results

RT: 3.82
Response: 852150
Amount: 15.280498



Reviewer: ulmanm, 22-Dec-2012 10:26:14
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

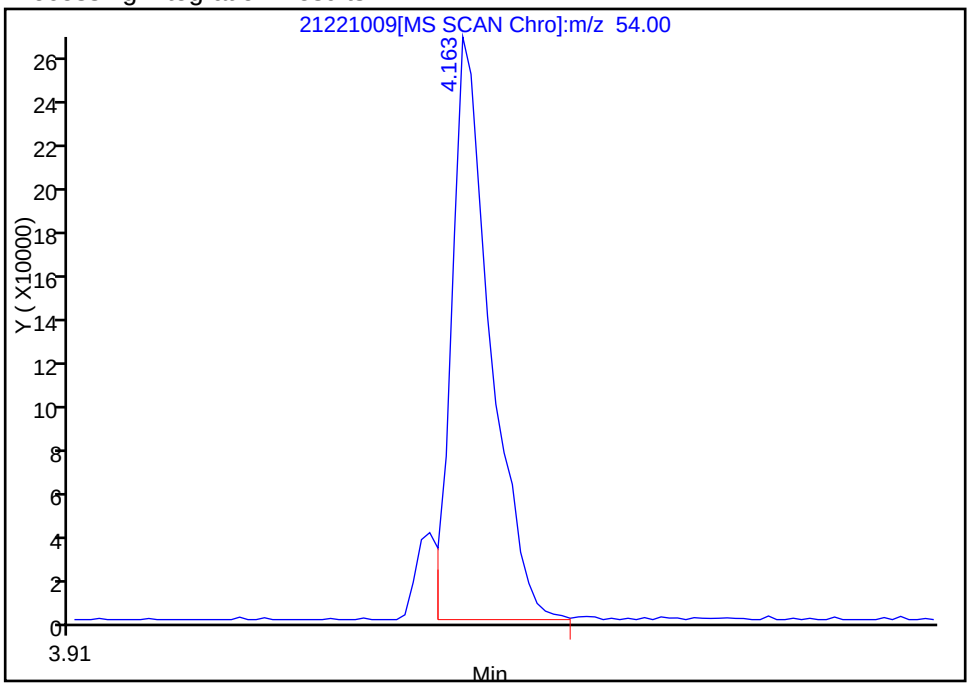
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221009.D		
Injection Date:	21-Dec-2012 16:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	9
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

29 3-Chloropropionitrile, Signal: 1, m/z: 54.0 Type: quant, RT: 4.17

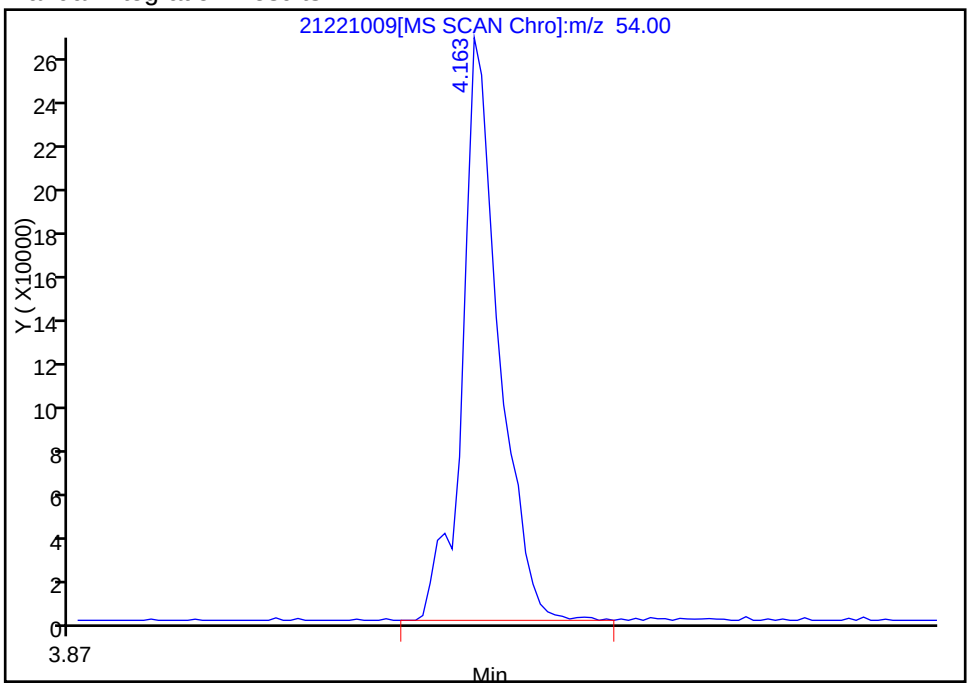
Processing Integration Results

RT: 4.16
Response: 458636
Amount: 14.818358



Manual Integration Results

RT: 4.16
Response: 490777
Amount: 15.612987



Reviewer: ulmanm, 22-Dec-2012 10:26:14
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

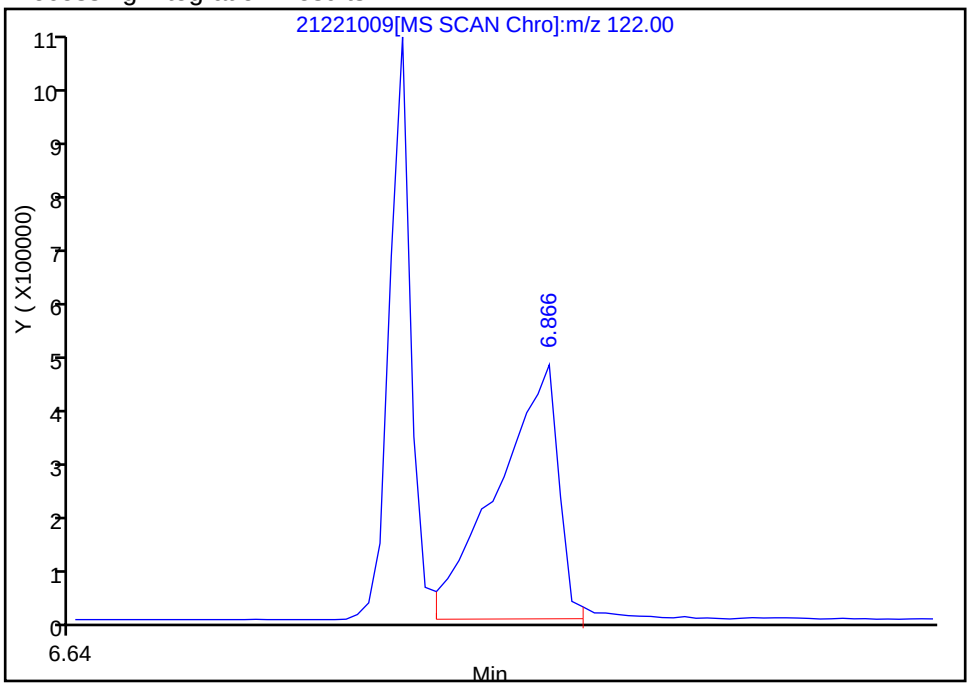
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221009.D		
Injection Date:	21-Dec-2012 16:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	9
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

71 Benzoic acid, Signal: 1, m/z: 122.0 Type: quant, RT: 6.83

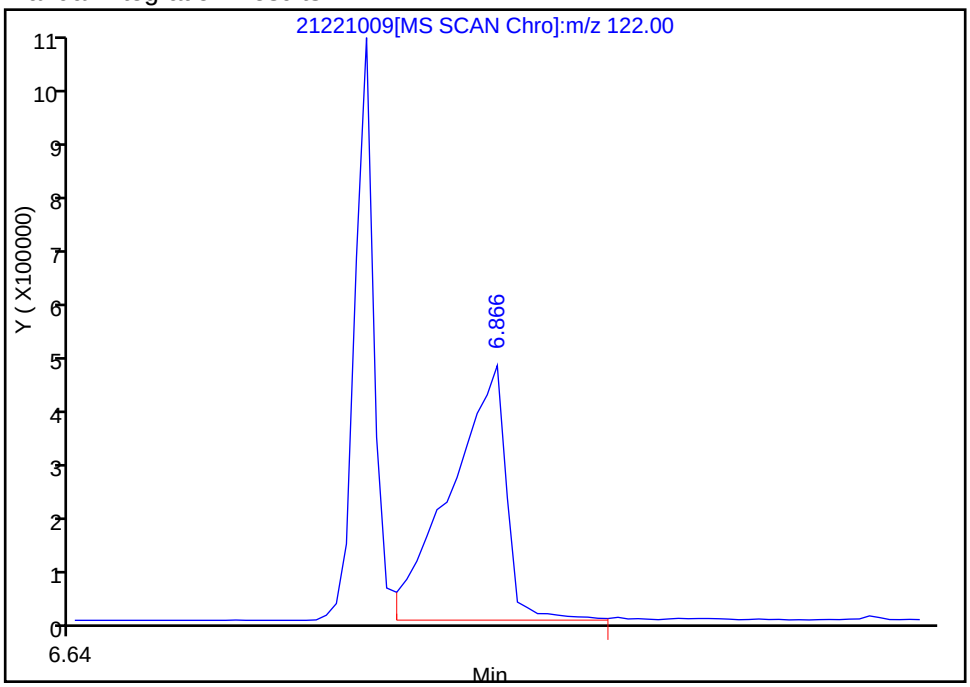
Processing Integration Results

RT: 6.87
Response: 950654
Amount: 29.114216



Manual Integration Results

RT: 6.87
Response: 973141
Amount: 29.475640



Reviewer: ulmanm, 22-Dec-2012 10:26:14
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221010.D		
Lims ID:	std6 tcl	Client ID:	
Inject. Date:	21-Dec-2012 16:59:30	Dil. Factor:	1.0000
Sample Type:	ICIS	Calib Level:	6
Sample ID:	240-0016106-010		
Misc. Info.:	STD6 TCL =STD6 TCL		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	10
Lims Batch ID:	69820	Lims Sample ID:	10
Sublist:	chrom-8270 _9*sub13		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\8270 _9.m		
Last Update:	22-Dec-2012 11:07:48	Calib Date:	21-Dec-2012 20:45:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221019.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK002		
First Level Reviewer: ulmanm		Date:	22-Dec-2012 10:33:02

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.011	6.011	0.0	96	133456	4.00	
* 2 Naphthalene-d8	136	7.123	7.123	0.0	98	536422	4.00	
* 3 Acenaphthene-d10	164	8.618	8.618	0.0	84	310953	4.00	
* 4 Phenanthrene-d10	188	9.885	9.885	0.0	98	564330	4.00	
* 5 Chrysene-d12	240	12.497	12.497	0.0	78	563045	4.00	
* 6 Perylene-d12	264	14.618	14.618	0.0	91	442207	4.00	
$ 7 2-Fluorophenol	112	4.783	4.783	0.0	93	462695	10.3	
$ 8 Phenol-d5	99	5.648	5.648	0.0	0	653763	9.90	
$ 9 Nitrobenzene-d5	82	6.492	6.492	0.0	84	813017	9.92	
$ 10 2-Fluorobiphenyl (Surr)	172	8.025	8.025	0.0	99	1248352	10.0	
$ 11 2,4,6-Tribromophenol	330	9.286	9.286	0.0	85	110397	10.1	
$ 12 Terphenyl-d14	244	11.257	11.257	0.0	97	1222121	9.59	
25 1,4-Dioxane	88	2.726	2.726	0.0	86	240201	10.3	M
26 N-Nitrosodimethylamine	74	3.196	3.196	0.0	86	370524	10.5	M
27 Pyridine	79	3.250	3.250	0.0	94	619643	9.86	M
28 Ethyl methacrylate	69	3.816	3.816	0.0	85	536459	9.91	M
29 3-Chloropropionitrile	54	4.163	4.163	0.0	85	312672	10.2	M
33 Malononitrile	66	4.484	4.484	0.0	93	741659	10.7	
41 Benzaldehyde	77	5.621	5.621	0.0	86	590718	10.2	
43 Phenol	94	5.664	5.664	0.0	92	748715	10.1	
44 Aniline	93	5.712	5.712	0.0	95	926371	10.0	
69 Bis(2-chloroethyl)ether	93	5.766	5.766	0.0	98	697550	9.89	
46 2-Chlorophenol	128	5.819	5.819	0.0	92	447396	9.98	
47 1,3-Dichlorobenzene	146	5.963	5.963	0.0	90	550487	9.50	
48 1,4-Dichlorobenzene	146	6.027	6.027	0.0	87	459429	9.76	
49 Benzyl alcohol	108	6.118	6.118	0.0	86	332621	10.1	
50 1,2-Dichlorobenzene	146	6.166	6.166	0.0	90	540011	9.61	
51 2-Methylphenol	108	6.204	6.204	0.0	94	497774	10.2	
53 2,2'-oxybis[1-chloropropane]	45	6.236	6.236	0.0	97	679343	9.58	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
21 3 & 4 Methylphenol	108	6.332	6.332	0.0	91	521877	10.2	
57 N-Nitrosodi-n-propylamine	70	6.348	6.348	0.0	75	472315	10.3	
58 Acetophenone	105	6.359	6.359	0.0	85	757406	10.1	
61 Hexachloroethane	117	6.466	6.466	0.0	89	260879	10.5	
62 Nitrobenzene	77	6.508	6.508	0.0	75	826301	9.60	
64 Isophorone	82	6.711	6.711	0.0	94	1272292	9.67	
66 2-Nitrophenol	139	6.786	6.786	0.0	88	226900	9.76	
65 2,4-Dimethylphenol	107	6.797	6.797	0.0	97	557819	9.77	
67 1,3,5-Trichlorobenzene	180	6.797	6.797	0.0	83	477195	9.12	
71 Benzoic acid	122	6.856	6.856	0.0	85	603895	19.4	
70 Bis(2-chloroethoxy)methane	93	6.882	6.882	0.0	97	846303	9.48	
73 2,4-Dichlorophenol	162	6.984	6.984	0.0	96	353165	10.1	
74 1,2,4-Trichlorobenzene	180	7.064	7.064	0.0	86	492123	9.62	
75 Naphthalene	128	7.139	7.139	0.0	98	1348137	9.54	
76 4-Chloroaniline	127	7.171	7.171	0.0	81	567603	10.1	
79 Hexachlorobutadiene	225	7.235	7.235	0.0	89	269765	9.50	
80 1,2,3-Trichlorobenzene	180	7.262	7.262	0.0	87	449939	0	
84 Caprolactam	113	7.454	7.454	0.0	79	156616	9.68	
86 4-Chloro-3-methylphenol	107	7.555	7.555	0.0	86	478799	10.2	
87 2-Methylnaphthalene	142	7.726	7.726	0.0	87	868364	9.31	
88 1-Methylnaphthalene	142	7.812	7.812	0.0	80	828016	9.46	
89 Hexachlorocyclopentadiene	237	7.854	7.854	0.0	62	300767	9.94	
90 1,2,3,5-Tetrachlorobenzene	216	7.854	7.854	0.0	90	514585	9.98	
92 2,4,6-Trichlorophenol	196	7.951	7.951	0.0	90	263552	10.1	
93 2,4,5-Trichlorophenol	196	7.983	7.983	0.0	91	284590	10.2	
97 2,4-Toluene diamine	121	8.095	8.095	0.0	95	240815	9.18	
99 1,2,3,4 -Tetrachlorobenzene	216	8.111	8.111	0.0	84	485622	0	
98 1,1'-Biphenyl	154	8.116	8.116	0.0	96	1130904	9.72	
100 2-Chloronaphthalene	162	8.143	8.143	0.0	97	995591	9.74	
102 2-Nitroaniline	65	8.212	8.212	0.0	73	344936	9.94	
105 Dimethyl phthalate	163	8.357	8.357	0.0	96	926589	10.1	
107 2,6-Dinitrotoluene	165	8.410	8.410	0.0	81	251687	9.91	
108 1,2-Dinitrobenzene	168	8.463	8.463	0.0	80	126941	10.0	
109 Acenaphthylene	152	8.501	8.501	0.0	92	1434166	9.73	
110 3-Nitroaniline	138	8.560	8.560	0.0	88	235569	10.7	
112 Acenaphthene	153	8.645	8.645	0.0	89	901947	9.61	
111 2,4-Dinitrophenol	184	8.645	8.645	0.0	70	298052	20.4	
113 4-Nitrophenol	109	8.666	8.666	0.0	85	168044	10.1	
114 2,4-Dinitrotoluene	165	8.752	8.752	0.0	78	338941	10.2	
116 Dibenzofuran	168	8.789	8.789	0.0	86	1244323	9.51	
118 2,3,5,6-Tetrachlorophenol	232	8.843	8.843	0.0	86	246330	10.3	
121 Diethyl phthalate	149	8.944	8.944	0.0	95	997672	10.1	
123 4-Chlorophenyl phenyl ether	204	9.067	9.067	0.0	93	600323	9.72	
125 4-Nitroaniline	138	9.078	9.078	0.0	82	257826	9.83	
126 Fluorene	166	9.083	9.083	0.0	76	965060	9.68	
128 4,6-Dinitro-2-methylphenol	198	9.099	9.099	0.0	77	178853	9.91	
131 N-Nitrosodiphenylamine	169	9.163	9.163	0.0	95	765390	9.85	
132 1,2-Diphenylhydrazine	77	9.201	9.201	0.0	99	1549535	9.78	
133 Azobenzene	77	9.201	9.201	0.0	94	1549535	9.78	
139 4-Bromophenyl phenyl ether	248	9.484	9.484	0.0	66	339852	10.1	
141 Hexachlorobenzene	284	9.548	9.548	0.0	78	302681	9.31	
142 Atrazine	200	9.591	9.591	0.0	86	210536	9.87	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	9.708	9.708	0.0	83	410269	19.8	
148 Phenanthrene	178	9.901	9.901	0.0	98	1447985	9.23	
149 Anthracene	178	9.949	9.949	0.0	87	1534802	9.91	
151 Carbazole	167	10.071	10.071	0.0	81	1379796	9.70	
154 Di-n-butyl phthalate	149	10.328	10.328	0.0	100	1742533	9.94	
159 Fluoranthene	202	10.921	10.921	0.0	99	1706909	9.87	
160 Benzidine	184	11.017	11.017	0.0	93	662791	9.08	
161 Pyrene	202	11.140	11.140	0.0	97	1782701	9.73	
168 Butyl benzyl phthalate	149	11.749	11.749	0.0	90	727579	10.2	
172 3,3'-Dimethoxybenzidine	244	12.374	12.374	0.0	84	357023	8.92	
175 3,3'-Dichlorobenzidine	252	12.422	12.422	0.0	74	586413	10.2	
174 4,4'-Methylene bis(2-chloroanili	231	12.422	12.422	0.0	72	308329	9.61	
173 Bis(2-ethylhexyl) phthalate	149	12.438	12.438	0.0	95	1040793	10.1	
177 Benzo[a]anthracene	228	12.475	12.475	0.0	88	1586836	9.57	
178 Chrysene	228	12.529	12.529	0.0	87	1498225	9.50	
180 Di-n-octyl phthalate	149	13.373	13.373	0.0	100	1652273	9.57	
182 Benzo[b]fluoranthene	252	14.025	14.025	0.0	79	1417002	9.61	
183 Benzo[k]fluoranthene	252	14.067	14.067	0.0	89	1504120	10.0	
184 Benzo[a]pyrene	252	14.537	14.537	0.0	74	1360238	10.1	
188 Indeno[1,2,3-cd]pyrene	276	16.327	16.327	0.0	77	1461810	9.84	
189 Dibenz(a,h)anthracene	278	16.365	16.365	0.0	62	1124740	9.78	
190 Benzo[g,h,i]perylene	276	16.808	16.808	0.0	78	1247035	9.86	
S 191 Methyl Phenols,Total	100				0		20.4	

QC Flag Legend

Review Flags
M - Manually Integrated

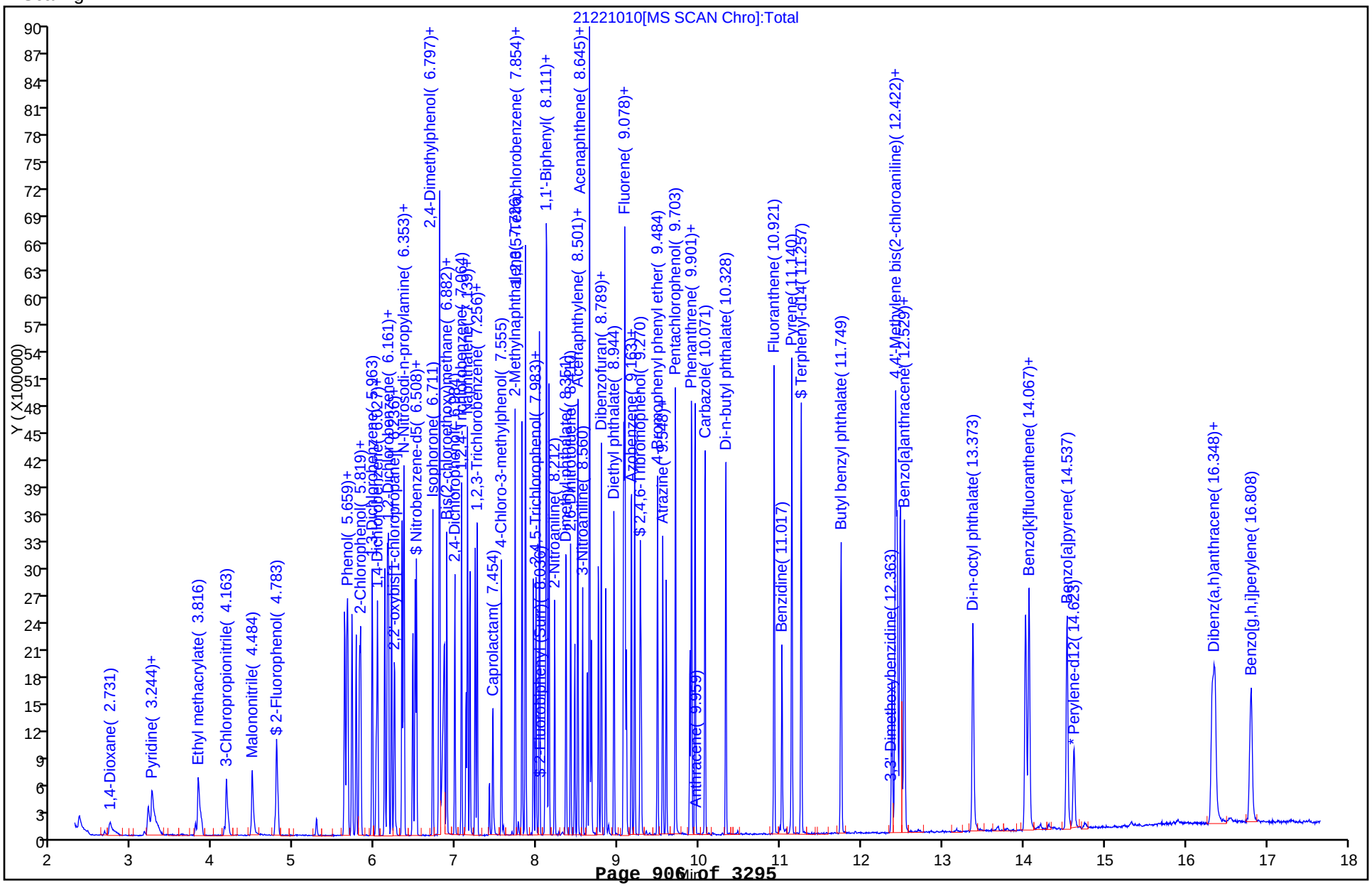
Report Date: 22-Dec-2012 11:07:48 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221010.D

Injection Date:	21-Dec-2012 16:59:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	10
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221010.D		
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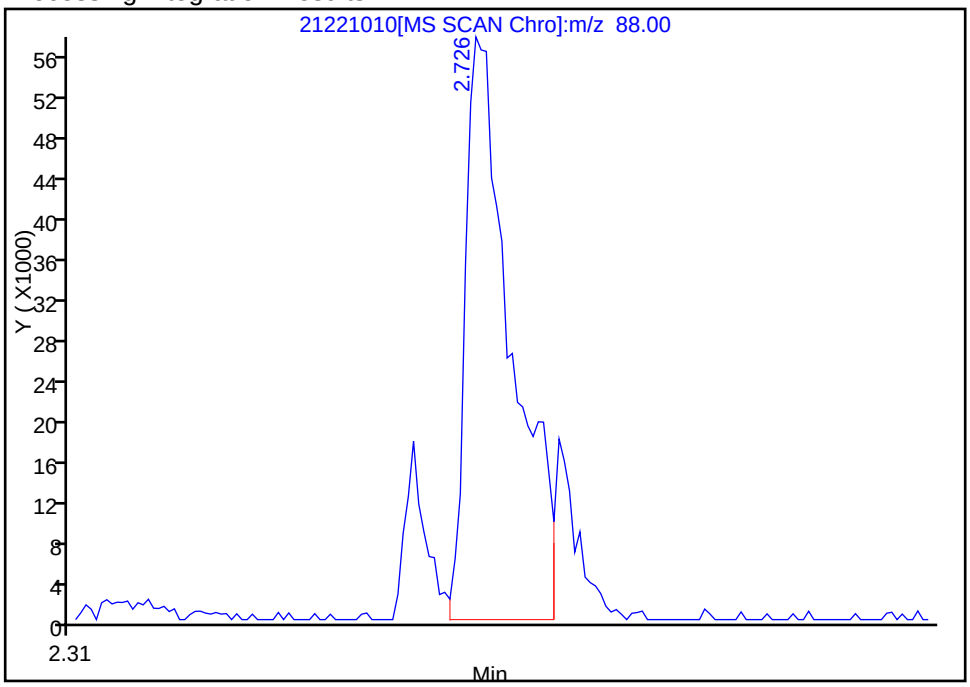
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	10
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

25 1,4-Dioxane, Signal: 1, m/z: 88.0 Type: quant, RT: 2.73

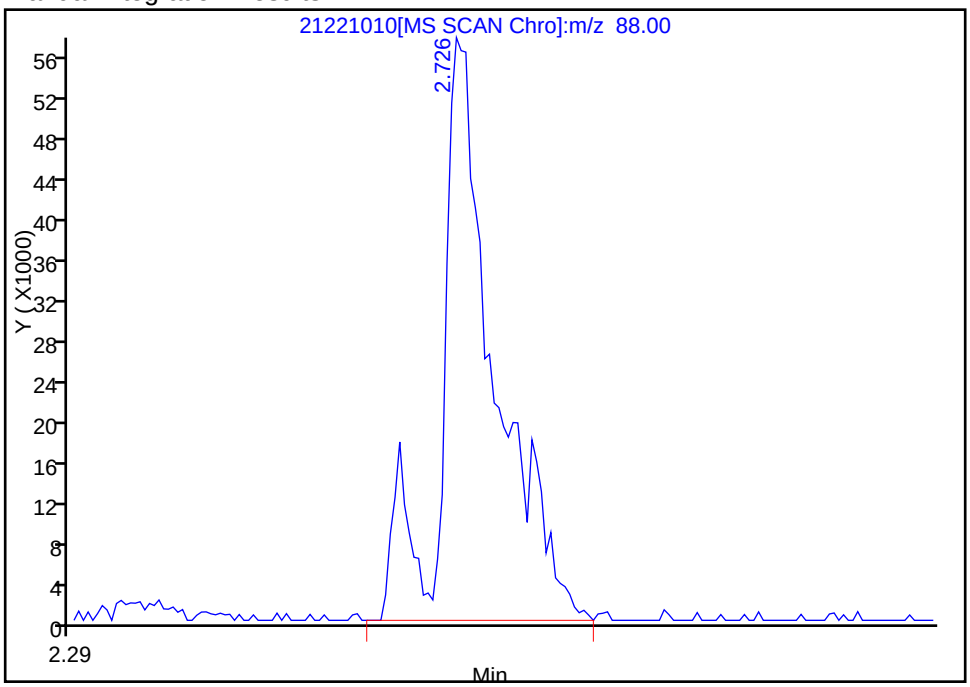
Processing Integration Results

RT: 2.73
Response: 189898
Amount: 8.389122



Manual Integration Results

RT: 2.73
Response: 240201
Amount: 10.324562



Reviewer: ulmanm, 22-Dec-2012 10:33:02
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

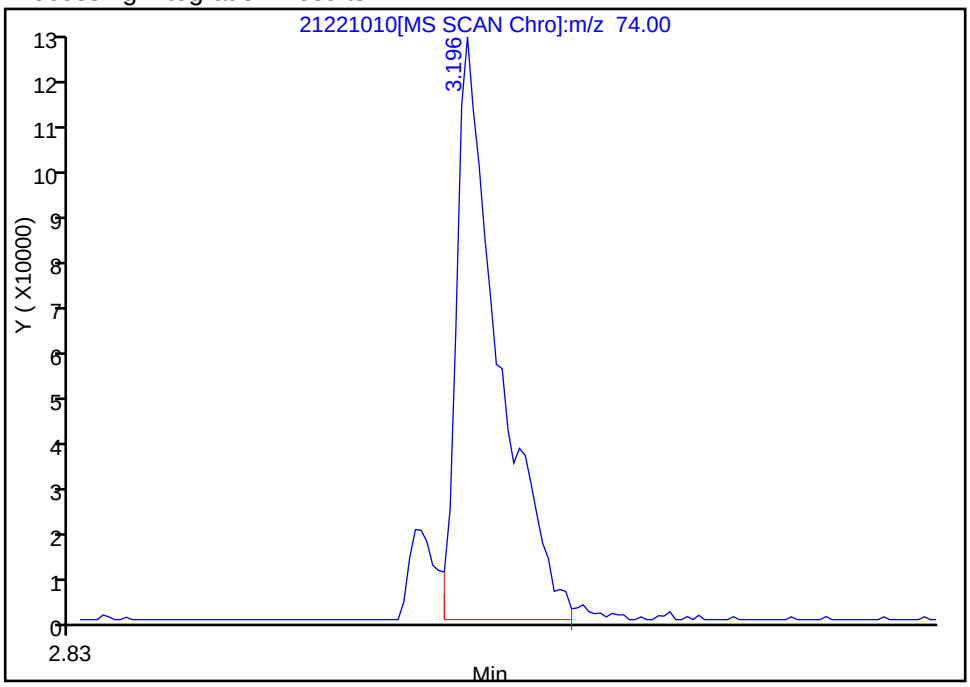
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221010.D		
Injection Date:	21-Dec-2012 16:59:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	10
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

26 N-Nitrosodimethylamine, Signal: 1, m/z: 74.0 Type: quant, RT: 3.20

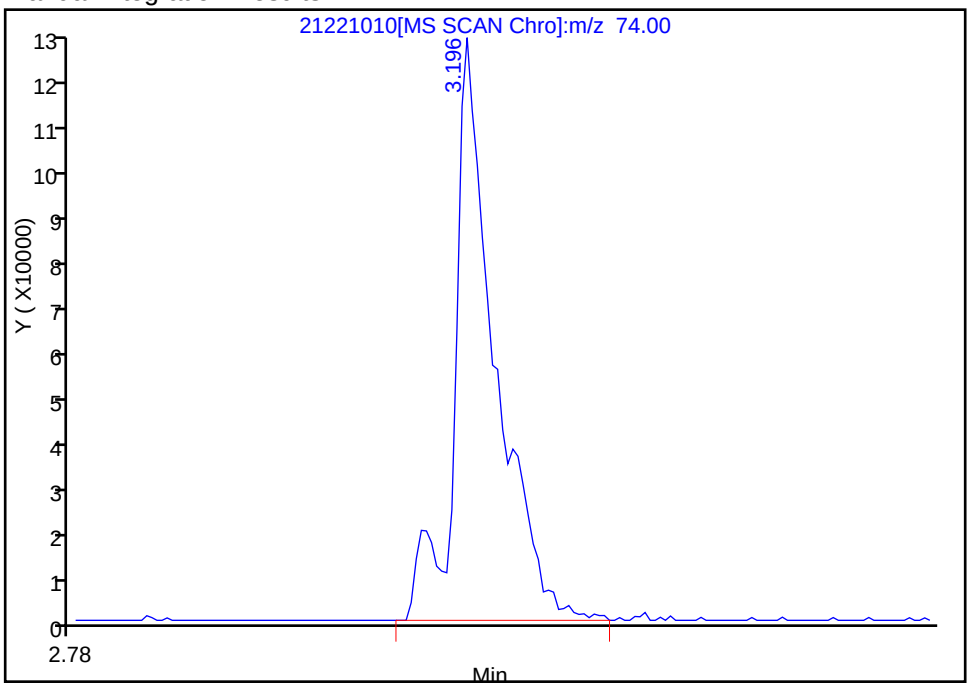
Processing Integration Results

RT: 3.20
Response: 335804
Amount: 9.639715



Manual Integration Results

RT: 3.20
Response: 370524
Amount: 10.505517



Reviewer: ulmanm, 22-Dec-2012 10:33:02
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

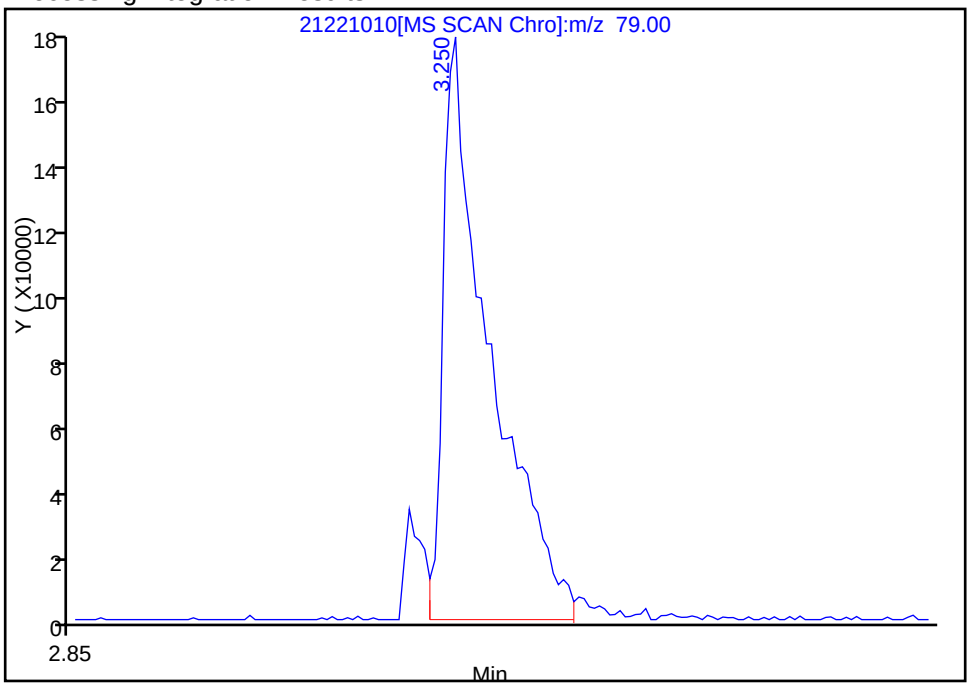
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221010.D		
Injection Date:	21-Dec-2012 16:59:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	10
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

27 Pyridine, Signal: 1, m/z: 79.0 Type: quant, RT: 3.25

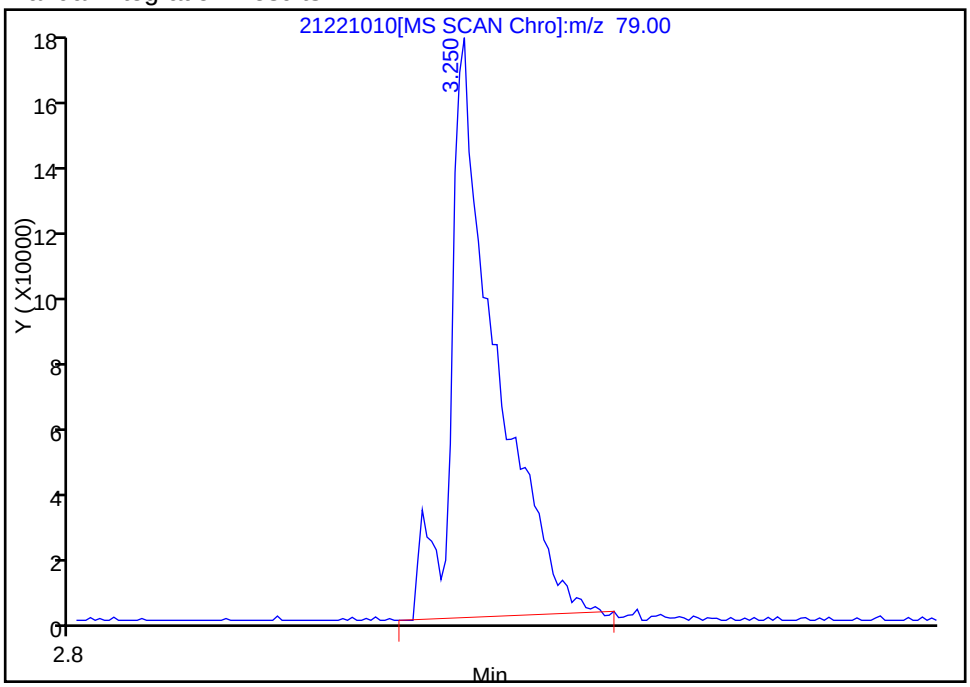
Processing Integration Results

RT: 3.25
Response: 590431
Amount: 9.453415



Manual Integration Results

RT: 3.25
Response: 619643
Amount: 9.863464



Reviewer: ulmanm, 22-Dec-2012 10:33:02
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

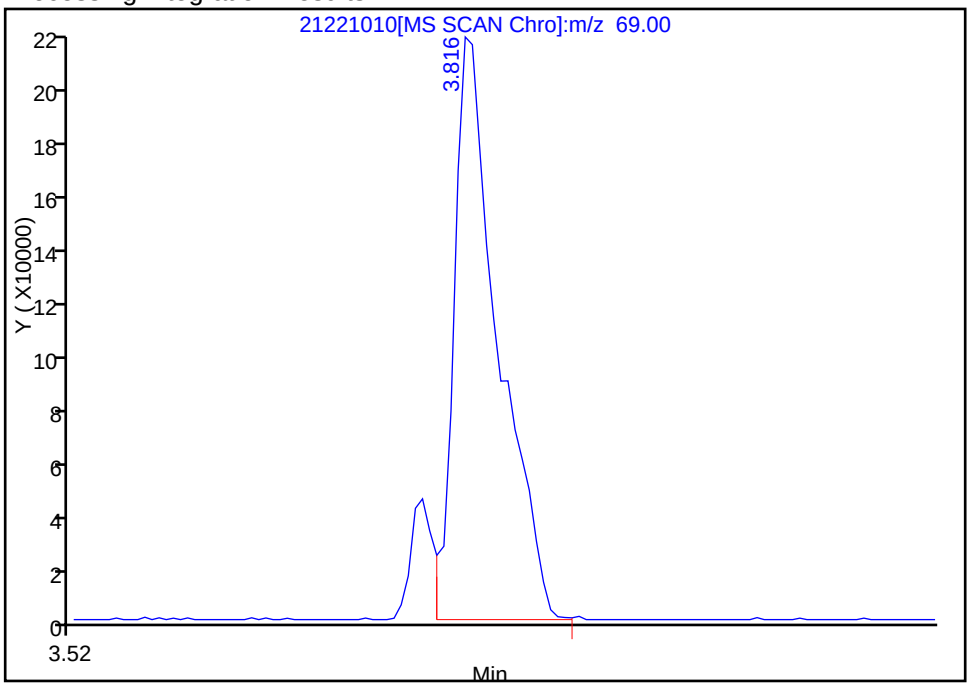
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221010.D		
Injection Date:	21-Dec-2012 16:59:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	10
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

28 Ethyl methacrylate, Signal: 1, m/z: 69.0 Type: quant, RT: 3.82

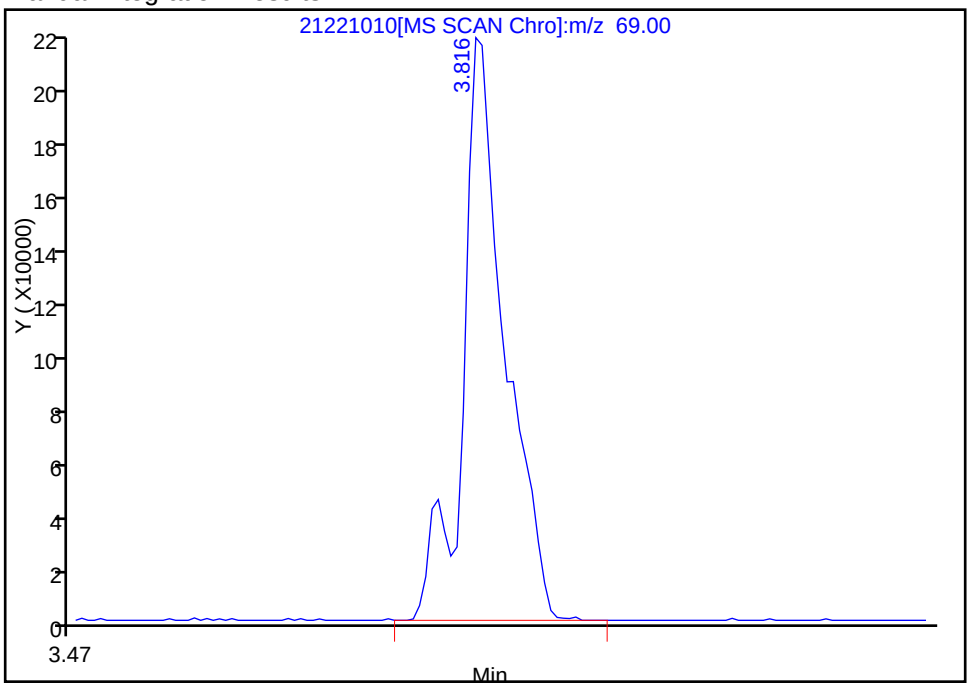
Processing Integration Results

RT: 3.82
Response: 491472
Amount: 9.175303



Manual Integration Results

RT: 3.82
Response: 536459
Amount: 9.911117



Reviewer: ulmanm, 22-Dec-2012 10:33:02
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

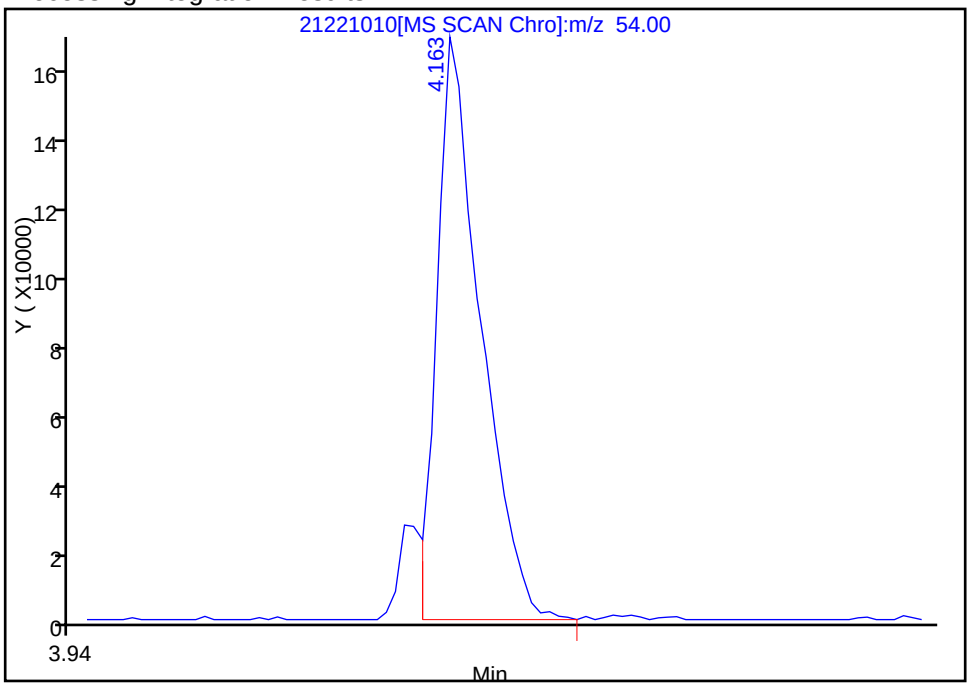
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221010.D		
Injection Date:	21-Dec-2012 16:59:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	10
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

29 3-Chloropropionitrile, Signal: 1, m/z: 54.0 Type: quant, RT: 4.16

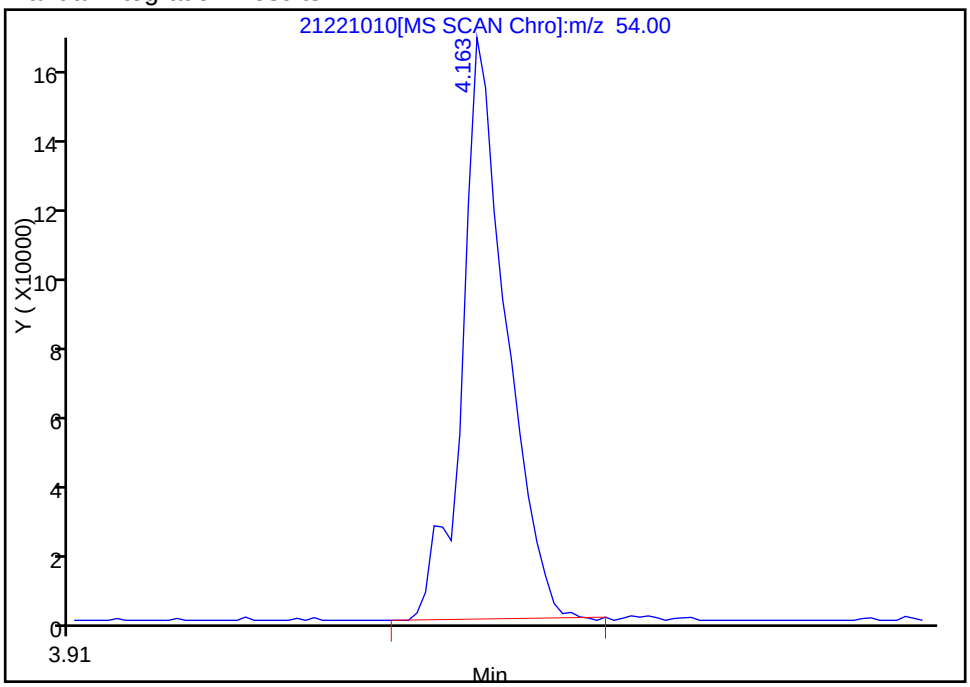
Processing Integration Results

RT: 4.16
Response: 295937
Amount: 9.766830



Manual Integration Results

RT: 4.16
Response: 312672
Amount: 10.248384



Reviewer: ulmanm, 22-Dec-2012 10:33:02
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-65876/3 Calibration Date: 11/21/2012 12:04

Instrument ID: A4HP7 Calib Start Date: 11/06/2012 18:22

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 11/06/2012 21:05

Lab File ID: 21121003.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosopyrrolidine	Ave	0.5573	0.6823	0.0500	12.2	10.0	22.4*	20.0
2,6-Dichlorophenol	Ave	0.2496	0.2970	0.0500	11.9	10.0	19.0	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5057	0.5686	0.0500	11.2	10.0	12.4	20.0

Report Date: 23-Nov-2012 10:11:27 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121121-15157.b\21121003.D
Lims ID: icv ind Client ID:
Inject. Date: 21-Nov-2012 12:04:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0015157-003
Misc. Info.: icv ind
Operator: 001710 Instrument ID: A4HP7
Injection Vol: 1.0 ul ALS Bottle#: 3
Lims Batch ID: 65876 Lims Sample ID: 3
Sublist:
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121121-15157.b\8270_hp7.m
Last Update: 23-Nov-2012 10:11:01 Calib Date: 14-Nov-2012 18:19:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121114-14953.b\21114010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK037

First Level Reviewer: gruberj Date: 21-Nov-2012 12:38:55

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.863	5.863	0.0	96	177147	4.00	
* 2 Naphthalene-d8	136	6.986	6.986	0.0	99	653446	4.00	
* 3 Acenaphthene-d10	164	8.479	8.479	0.0	90	382015	4.00	
* 4 Phenanthrene-d10	188	9.736	9.736	0.0	98	646813	4.00	
* 5 Chrysene-d12	240	12.255	12.255	0.0	92	684665	4.00	
* 6 Perylene-d12	264	14.298	14.298	0.0	96	583062	4.00	
24 1,4-Dioxane	88	2.322	2.322	0.0	90	201729	9.81	
25 N-Nitrosodimethylamine	74	2.761	2.761	0.0	89	349885	9.88	
40 Benzaldehyde	77	5.467	5.467	0.0	92	84729	1.83	
41 Phenol	94	5.521	5.521	0.0	99	773465	10.4	
43 Aniline	93	5.564	5.564	0.0	97	804903	8.68	
44 Bis(2-chloroethyl)ether	93	5.617	5.617	0.0	94	579820	10.1	
46 2-Chlorophenol	128	5.671	5.671	0.0	97	603608	10.1	
47 1,3-Dichlorobenzene	146	5.815	5.815	0.0	97	628196	9.73	
48 1,4-Dichlorobenzene	146	5.879	5.879	0.0	92	646495	10.1	
49 Benzyl alcohol	108	5.981	5.981	0.0	90	398284	10.8	
50 1,2-Dichlorobenzene	146	6.018	6.018	0.0	94	612122	10.0	
51 2-Methylphenol	108	6.072	6.072	0.0	94	543596	10.1	
52 2,2'-oxybis[1-chloropropane]	45	6.099	6.098	0.001	90	859053	10.2	
191 3 & 4 Methylphenol	108	6.200	6.200	0.0	96	570864	10.1	
56 N-Nitrosodi-n-propylamine	70	6.211	6.211	0.0	91	449895	11.2	
55 N-Nitrosopyrrolidine	100	6.195	6.216	-0.021	86	302176	12.2	
57 Acetophenone	105	6.216	6.216	0.0	92	820764	10.3	
60 Hexachloroethane	117	6.323	6.323	0.0	93	254205	9.75	
61 Nitrobenzene	77	6.371	6.371	0.0	88	660182	11.1	
63 Isophorone	82	6.575	6.574	0.001	97	1159205	11.1	
65 2-Nitrophenol	139	6.649	6.649	0.0	96	327696	11.7	
64 2,4-Dimethylphenol	107	6.671	6.671	0.0	93	576285	10.5	
69 Benzoic acid	122	6.735	6.735	0.0	89	732247	20.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
68 Bis(2-chloroethoxy)methane	93	6.756	6.756	0.0	93	709536	10.7	
71 2,4-Dichlorophenol	162	6.853	6.853	0.0	95	489269	11.3	
72 1,2,4-Trichlorobenzene	180	6.933	6.933	0.0	93	545042	10.5	
73 Naphthalene	128	7.002	7.002	0.0	97	1765860	10.8	
74 4-Chloroaniline	127	7.040	7.040	0.0	87	735481	10.6	
75 2,6-Dichlorophenol	162	7.051	7.066	-0.015	97	485255	11.9	
77 Hexachlorobutadiene	225	7.104	7.104	0.0	93	308594	11.0	
83 Caprolactam	113	7.323	7.323	0.0	78	175336	10.7	
84 4-Chloro-3-methylphenol	107	7.436	7.436	0.0	97	530067	11.4	
85 2-Methylnaphthalene	142	7.596	7.596	0.0	90	1115557	10.7	
88 Hexachlorocyclopentadiene	237	7.725	7.724	0.001	92	356944	11.5	
89 1,2,4,5-Tetrachlorobenzene	216	7.735	7.751	-0.016	97	542992	11.2	
90 2,4,6-Trichlorophenol	196	7.821	7.826	-0.005	92	363528	11.3	
91 2,4,5-Trichlorophenol	196	7.853	7.853	0.0	94	388156	11.2	
95 1,1'-Biphenyl	154	7.981	7.987	-0.006	95	1453465	10.8	
98 2-Chloronaphthalene	162	8.008	8.008	0.0	96	1118029	10.6	
100 2-Nitroaniline	65	8.083	8.083	0.0	81	354609	11.5	
103 Dimethyl phthalate	163	8.222	8.222	0.0	98	1234629	11.0	
105 2,6-Dinitrotoluene	165	8.281	8.281	0.0	94	274624	10.6	
107 Acenaphthylene	152	8.366	8.361	0.005	91	1826368	10.5	
108 3-Nitroaniline	138	8.431	8.425	0.006	96	314364	11.2	
110 Acenaphthene	153	8.511	8.511	0.0	89	1081151	10.3	
109 2,4-Dinitrophenol	184	8.516	8.516	0.0	85	371571	20.9	
111 4-Nitrophenol	109	8.548	8.548	0.0	94	176528	10.9	
112 2,4-Dinitrotoluene	165	8.623	8.623	0.0	92	377306	10.8	
114 Dibenzofuran	168	8.655	8.655	0.0	89	1609834	10.4	
117 2,3,4,6-Tetrachlorophenol	232	8.746	8.762	-0.016	73	298804	10.7	
119 Diethyl phthalate	149	8.816	8.816	0.0	98	1266760	10.8	
121 4-Chlorophenyl phenyl ether	204	8.928	8.928	0.0	92	634542	10.7	
123 4-Nitroaniline	138	8.944	8.944	0.0	49	288035	9.37	
124 Fluorene	166	8.944	8.944	0.0	91	1307463	10.5	
126 4,6-Dinitro-2-methylphenol	198	8.965	8.965	0.0	83	231817	10.8	
130 N-Nitrosodiphenylamine	169	9.024	9.024	0.0	0	937504	10.5	
131 Azobenzene	77	9.062	9.062	0.0	99	1371495	10.9	
137 4-Bromophenyl phenyl ether	248	9.345	9.345	0.0	62	365346	11.1	
139 Hexachlorobenzene	284	9.409	9.409	0.0	91	381632	11.2	
140 Atrazine	200	9.458	9.457	0.001	93	180624	7.44	
141 Pentachlorophenol	266	9.564	9.564	0.0	86	497747	21.5	
146 Phenanthrene	178	9.757	9.757	0.0	97	1859306	10.5	
147 Anthracene	178	9.800	9.800	0.0	97	1909227	10.9	
149 Carbazole	167	9.928	9.928	0.0	82	1797762	10.5	
151 Di-n-butyl phthalate	149	10.185	10.185	0.0	100	2171394	11.3	
157 Fluoranthene	202	10.763	10.762	0.001	97	2147977	11.0	
158 Benzidine	184	10.859	10.859	0.0	97	76849	1.06	
160 Pyrene	202	10.966	10.971	-0.005	96	2170507	9.94	
166 Butyl benzyl phthalate	149	11.554	11.549	0.005	97	930260	10.3	
173 3,3'-Dichlorobenzidine	252	12.191	12.191	0.0	70	596899	7.89	
171 Bis(2-ethylhexyl) phthalate	149	12.207	12.207	0.0	96	1288902	10.1	
175 Benzo[a]anthracene	228	12.239	12.244	-0.005	96	1965064	10.3	
176 Chrysene	228	12.287	12.287	0.0	94	1873123	10.3	
178 Di-n-octyl phthalate	149	13.100	13.100	0.0	99	2154786	10.1	
180 Benzo[b]fluoranthene	252	13.720	13.726	-0.006	94	1821558	9.79	

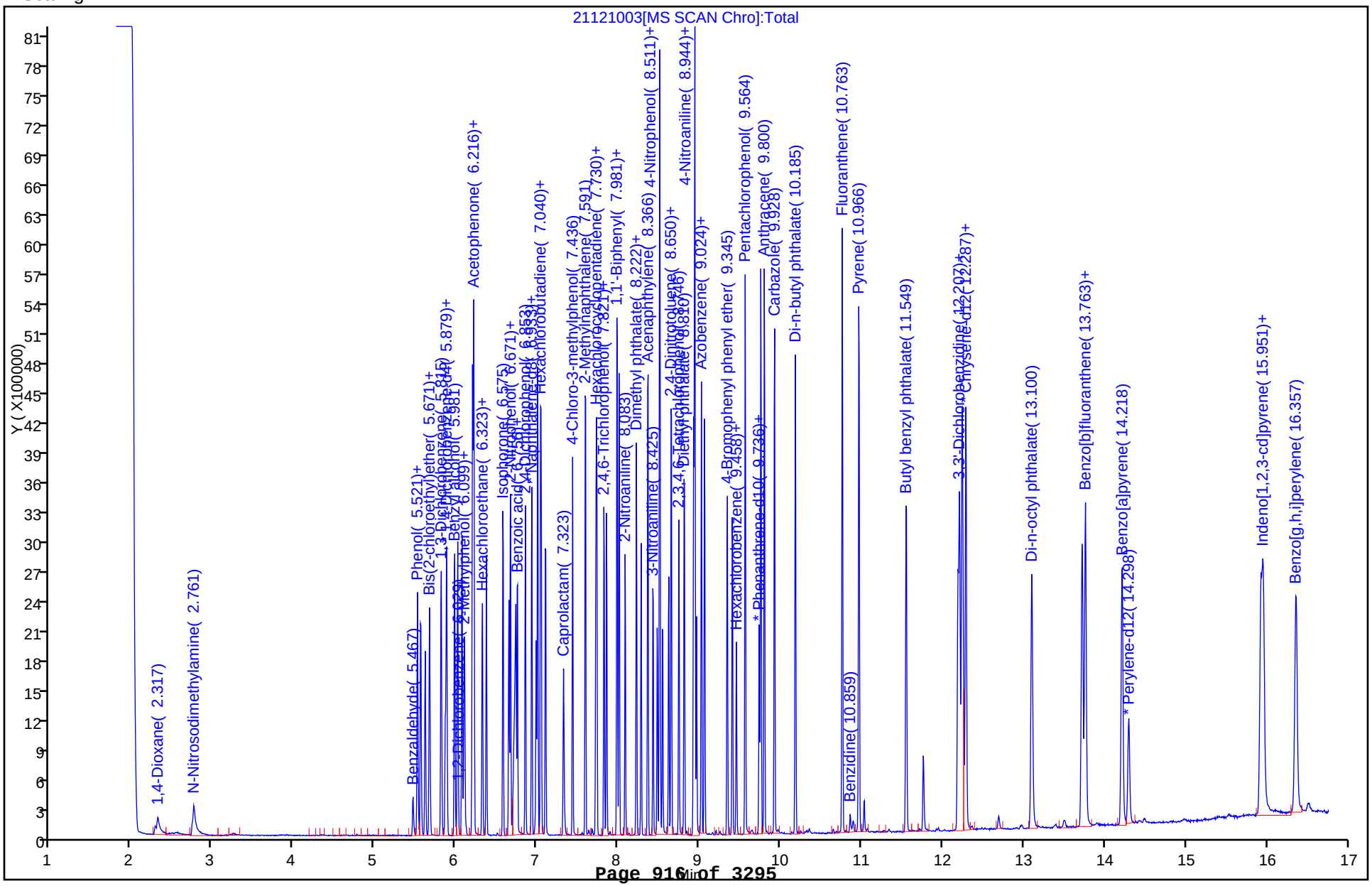
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
181 Benzo[k]fluoranthene	252	13.763	13.763	0.0	95	2077381	10.3	
182 Benzo[a]pyrene	252	14.218	14.212	0.006	77	1699586	8.86	
186 Indeno[1,2,3-cd]pyrene	276	15.929	15.929	0.0	98	2138028	10.1	
187 Dibenz(a,h)anthracene	278	15.956	15.956	0.0	73	1805698	10.0	
188 Benzo[g,h,i]perylene	276	16.357	16.362	-0.005	93	1852387	11.1	

Report Date: 23-Nov-2012 10:11:27 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121121-15157.b\21121003.D		
Injection Date:	21-Nov-2012 12:04:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	65876	Lims Sample ID:	3
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-65876/3 Calibration Date: 11/21/2012 12:04

Instrument ID: A4HP7 Calib Start Date: 11/07/2012 11:44

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 11/07/2012 14:51

Lab File ID: 21121003.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.4642	0.4555	0.0500	9.81	10.0	-1.9	20.0
N-Nitrosodimethylamine	Qua		0.7900	0.0500	9.88	10.0	-1.2	20.0
Benzaldehyde	Ave	1.043	0.1913	0.0500	1.83	10.0	-81.7*	20.0
Phenol	Ave	1.674	1.746	0.0500	10.4	10.0	4.3	20.0
Aniline	Ave	2.093	1.817	0.0500	8.68	10.0	-13.2	20.0
Bis(2-chloroethyl)ether	Ave	1.293	1.309	0.0500	10.1	10.0	1.3	20.0
2-Chlorophenol	Ave	1.352	1.363	0.0500	10.1	10.0	0.8	20.0
1,3-Dichlorobenzene	Ave	1.457	1.418	0.0500	9.73	10.0	-2.7	20.0
1,4-Dichlorobenzene	Ave	1.448	1.460	0.0500	10.1	10.0	0.8	20.0
Benzyl alcohol	Ave	0.8332	0.8993	0.0500	10.8	10.0	7.9	20.0
1,2-Dichlorobenzene	Ave	1.380	1.382	0.0500	10.0	10.0	0.1	20.0
2-Methylphenol	Ave	1.220	1.227	0.0500	10.1	10.0	0.6	20.0
bis (2-chloroisopropyl) ether	Ave	1.897	1.940	0.0500	10.2	10.0	2.2	20.0
3 & 4 Methylphenol	Ave	1.279	1.289	0.0500	10.1	10.0	0.8	20.0
N-Nitrosodi-n-propylamine	Ave	0.9059	1.016	0.0500	11.2	10.0	12.1	20.0
Acetophenone	Ave	1.808	1.853	0.0500	10.3	10.0	2.5	20.0
Hexachloroethane	Ave	0.5884	0.5740	0.0500	9.75	10.0	-2.5	20.0
Nitrobenzene	Ave	0.3635	0.4041	0.0500	11.1	10.0	11.2	20.0
Isophorone	Ave	0.6380	0.7096	0.0500	11.1	10.0	11.2	20.0
2-Nitrophenol	Ave	0.1710	0.2006	0.0500	11.7	10.0	17.3	20.0
2,4-Dimethylphenol	Ave	0.3362	0.3528	0.0500	10.5	10.0	4.9	20.0
Benzoic acid	Qua		0.2241	0.0500	20.1	20.0	0.5	20.0
Bis(2-chloroethoxy)methane	Ave	0.4052	0.4343	0.0500	10.7	10.0	7.2	20.0
2,4-Dichlorophenol	Ave	0.2657	0.2995	0.0500	11.3	10.0	12.7	20.0
1,2,4-Trichlorobenzene	Ave	0.3169	0.3336	0.0500	10.5	10.0	5.3	20.0
Naphthalene	Ave	0.999	1.081	0.0500	10.8	10.0	8.2	20.0
4-Chloroaniline	Ave	0.4261	0.4502	0.0500	10.6	10.0	5.7	20.0
Hexachlorobutadiene	Ave	0.1716	0.1889	0.0500	11.0	10.0	10.1	20.0
Caprolactam	Qua		0.1073	0.0500	10.7	10.0	6.9	20.0
4-Chloro-3-methylphenol	Ave	0.2854	0.3245	0.0500	11.4	10.0	13.7	20.0
2-Methylnaphthalene	Ave	0.6393	0.6829	0.0500	10.7	10.0	6.8	20.0
Hexachlorocyclopentadiene	Ave	0.3241	0.3738	0.0500	11.5	10.0	15.3	20.0
2,4,6-Trichlorophenol	Ave	0.3372	0.3806	0.0500	11.3	10.0	12.9	20.0
2,4,5-Trichlorophenol	Ave	0.3632	0.4064	0.0500	11.2	10.0	11.9	20.0
1,1'-Biphenyl	Ave	1.413	1.522	0.0500	10.8	10.0	7.7	20.0
2-Chloronaphthalene	Ave	1.105	1.171	0.0500	10.6	10.0	6.0	20.0
2-Nitroaniline	Ave	0.3242	0.3713	0.0500	11.5	10.0	14.5	20.0
Dimethyl phthalate	Ave	1.175	1.293	0.0500	11.0	10.0	10.0	20.0
2,6-Dinitrotoluene	Qua		0.2876	0.0500	10.6	10.0	6.4	20.0
Acenaphthylene	Ave	1.825	1.912	0.0500	10.5	10.0	4.8	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-65876/3 Calibration Date: 11/21/2012 12:04

Instrument ID: A4HP7 Calib Start Date: 11/07/2012 11:44

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 11/07/2012 14:51

Lab File ID: 21121003.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
3-Nitroaniline	Ave	0.2941	0.3292	0.0500	11.2	10.0	11.9	20.0
Acenaphthene	Ave	1.097	1.132	0.0500	10.3	10.0	3.2	20.0
2,4-Dinitrophenol	Qua		0.1945	0.0500	20.9	20.0	4.4	20.0
4-Nitrophenol	Ave	0.1694	0.1848	0.0500	10.9	10.0	9.1	20.0
2,4-Dinitrotoluene	Qua		0.3951	0.0500	10.8	10.0	8.2	20.0
Dibenzofuran	Ave	1.629	1.686	0.0500	10.4	10.0	3.5	20.0
Diethyl phthalate	Ave	1.228	1.326	0.0500	10.8	10.0	8.0	20.0
4-Chlorophenyl phenyl ether	Ave	0.6187	0.6644	0.0500	10.7	10.0	7.4	20.0
4-Nitroaniline	Qua		0.3016	0.0500	9.37	10.0	-6.3	20.0
Fluorene	Ave	1.308	1.369	0.0500	10.5	10.0	4.7	20.0
4,6-Dinitro-2-methylphenol	Qua		0.1434	0.0500	10.8	10.0	7.7	20.0
N-Nitrosodiphenylamine	Ave	0.5517	0.5798	0.0500	10.5	10.0	5.1	20.0
4-Bromophenyl phenyl ether	Ave	0.2040	0.2259	0.0500	11.1	10.0	10.7	20.0
Hexachlorobenzene	Ave	0.2101	0.2360	0.0500	11.2	10.0	12.3	20.0
Atrazine	Ave	0.1501	0.1117	0.0500	7.44	10.0	-25.6*	20.0
Pentachlorophenol	Qua		0.1539	0.0500	21.5	20.0	7.5	20.0
Phenanthrene	Ave	1.093	1.150	0.0500	10.5	10.0	5.2	20.0
Anthracene	Ave	1.086	1.181	0.0500	10.9	10.0	8.7	20.0
Carbazole	Ave	1.055	1.112	0.0500	10.5	10.0	5.4	20.0
Di-n-butyl phthalate	Ave	1.185	1.343	0.0500	11.3	10.0	13.4	20.0
Fluoranthene	Ave	1.207	1.328	0.0500	11.0	10.0	10.1	20.0
Benzidine	Qua		0.0449*	0.0500	1.06	10.0	-89.4*	20.0
Pyrene	Ave	1.276	1.268	0.0500	9.94	10.0	-0.6	20.0
Butyl benzyl phthalate	Qua		0.5435	0.0500	10.3	10.0	3.0	20.0
3,3'-Dichlorobenzidine	Qua		0.3487	0.0500	7.89	10.0	-21.1*	20.0
Bis(2-ethylhexyl) phthalate	Qua		0.7530	0.0500	10.1	10.0	0.9	20.0
Benzo[a]anthracene	Ave	1.116	1.148	0.0500	10.3	10.0	2.8	20.0
Chrysene	Ave	1.064	1.094	0.0500	10.3	10.0	2.9	20.0
Di-n-octyl phthalate	Qua		1.478	0.0500	10.1	10.0	1.4	20.0
Benzo[b]fluoranthene	Ave	1.276	1.250	0.0500	9.79	10.0	-2.1	20.0
Benzo[k]fluoranthene	Ave	1.387	1.425	0.0500	10.3	10.0	2.8	20.0
Benzo[a]pyrene	Qua		1.166	0.0500	8.86	10.0	-11.4	20.0
Indeno[1,2,3-cd]pyrene	Qua		1.467	0.0500	10.1	10.0	1.0	20.0
Dibenz(a,h)anthracene	Qua		1.239	0.0500	10.0	10.0	0.1	20.0
Benzo[g,h,i]perylene	Ave	1.145	1.271	0.0500	11.1	10.0	11.0	20.0

Report Date: 23-Nov-2012 10:11:27 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121121-15157.b\21121003.D
Lims ID: icv ind
Client ID:
Inject. Date: 21-Nov-2012 12:04:30
Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0015157-003
Misc. Info.: icv ind
Operator: 001710
Instrument ID: A4HP7
Injection Vol: 1.0 ul
ALS Bottle#: 3
Lims Batch ID: 65876
Lims Sample ID: 3
Sublist:
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121121-15157.b\8270_hp7.m
Last Update: 23-Nov-2012 10:11:01
Calib Date: 14-Nov-2012 18:19:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121114-14953.b\21114010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK037

First Level Reviewer: gruberj
Date: 21-Nov-2012 12:38:55

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.863	5.863	0.0	96	177147	4.00	
* 2 Naphthalene-d8	136	6.986	6.986	0.0	99	653446	4.00	
* 3 Acenaphthene-d10	164	8.479	8.479	0.0	90	382015	4.00	
* 4 Phenanthrene-d10	188	9.736	9.736	0.0	98	646813	4.00	
* 5 Chrysene-d12	240	12.255	12.255	0.0	92	684665	4.00	
* 6 Perylene-d12	264	14.298	14.298	0.0	96	583062	4.00	
24 1,4-Dioxane	88	2.322	2.322	0.0	90	201729	9.81	
25 N-Nitrosodimethylamine	74	2.761	2.761	0.0	89	349885	9.88	
40 Benzaldehyde	77	5.467	5.467	0.0	92	84729	1.83	
41 Phenol	94	5.521	5.521	0.0	99	773465	10.4	
43 Aniline	93	5.564	5.564	0.0	97	804903	8.68	
44 Bis(2-chloroethyl)ether	93	5.617	5.617	0.0	94	579820	10.1	
46 2-Chlorophenol	128	5.671	5.671	0.0	97	603608	10.1	
47 1,3-Dichlorobenzene	146	5.815	5.815	0.0	97	628196	9.73	
48 1,4-Dichlorobenzene	146	5.879	5.879	0.0	92	646495	10.1	
49 Benzyl alcohol	108	5.981	5.981	0.0	90	398284	10.8	
50 1,2-Dichlorobenzene	146	6.018	6.018	0.0	94	612122	10.0	
51 2-Methylphenol	108	6.072	6.072	0.0	94	543596	10.1	
52 2,2'-oxybis[1-chloropropane]	45	6.099	6.098	0.001	90	859053	10.2	
191 3 & 4 Methylphenol	108	6.200	6.200	0.0	96	570864	10.1	
56 N-Nitrosodi-n-propylamine	70	6.211	6.211	0.0	91	449895	11.2	
55 N-Nitrosopyrrolidine	100	6.195	6.216	-0.021	86	302176	12.2	
57 Acetophenone	105	6.216	6.216	0.0	92	820764	10.3	
60 Hexachloroethane	117	6.323	6.323	0.0	93	254205	9.75	
61 Nitrobenzene	77	6.371	6.371	0.0	88	660182	11.1	
63 Isophorone	82	6.575	6.574	0.001	97	1159205	11.1	
65 2-Nitrophenol	139	6.649	6.649	0.0	96	327696	11.7	
64 2,4-Dimethylphenol	107	6.671	6.671	0.0	93	576285	10.5	
69 Benzoic acid	122	6.735	6.735	0.0	89	732247	20.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
68 Bis(2-chloroethoxy)methane	93	6.756	6.756	0.0	93	709536	10.7	
71 2,4-Dichlorophenol	162	6.853	6.853	0.0	95	489269	11.3	
72 1,2,4-Trichlorobenzene	180	6.933	6.933	0.0	93	545042	10.5	
73 Naphthalene	128	7.002	7.002	0.0	97	1765860	10.8	
74 4-Chloroaniline	127	7.040	7.040	0.0	87	735481	10.6	
75 2,6-Dichlorophenol	162	7.051	7.066	-0.015	97	485255	11.9	
77 Hexachlorobutadiene	225	7.104	7.104	0.0	93	308594	11.0	
83 Caprolactam	113	7.323	7.323	0.0	78	175336	10.7	
84 4-Chloro-3-methylphenol	107	7.436	7.436	0.0	97	530067	11.4	
85 2-Methylnaphthalene	142	7.596	7.596	0.0	90	1115557	10.7	
88 Hexachlorocyclopentadiene	237	7.725	7.724	0.001	92	356944	11.5	
89 1,2,4,5-Tetrachlorobenzene	216	7.735	7.751	-0.016	97	542992	11.2	
90 2,4,6-Trichlorophenol	196	7.821	7.826	-0.005	92	363528	11.3	
91 2,4,5-Trichlorophenol	196	7.853	7.853	0.0	94	388156	11.2	
95 1,1'-Biphenyl	154	7.981	7.987	-0.006	95	1453465	10.8	
98 2-Chloronaphthalene	162	8.008	8.008	0.0	96	1118029	10.6	
100 2-Nitroaniline	65	8.083	8.083	0.0	81	354609	11.5	
103 Dimethyl phthalate	163	8.222	8.222	0.0	98	1234629	11.0	
105 2,6-Dinitrotoluene	165	8.281	8.281	0.0	94	274624	10.6	
107 Acenaphthylene	152	8.366	8.361	0.005	91	1826368	10.5	
108 3-Nitroaniline	138	8.431	8.425	0.006	96	314364	11.2	
110 Acenaphthene	153	8.511	8.511	0.0	89	1081151	10.3	
109 2,4-Dinitrophenol	184	8.516	8.516	0.0	85	371571	20.9	
111 4-Nitrophenol	109	8.548	8.548	0.0	94	176528	10.9	
112 2,4-Dinitrotoluene	165	8.623	8.623	0.0	92	377306	10.8	
114 Dibenzofuran	168	8.655	8.655	0.0	89	1609834	10.4	
117 2,3,4,6-Tetrachlorophenol	232	8.746	8.762	-0.016	73	298804	10.7	
119 Diethyl phthalate	149	8.816	8.816	0.0	98	1266760	10.8	
121 4-Chlorophenyl phenyl ether	204	8.928	8.928	0.0	92	634542	10.7	
123 4-Nitroaniline	138	8.944	8.944	0.0	49	288035	9.37	
124 Fluorene	166	8.944	8.944	0.0	91	1307463	10.5	
126 4,6-Dinitro-2-methylphenol	198	8.965	8.965	0.0	83	231817	10.8	
130 N-Nitrosodiphenylamine	169	9.024	9.024	0.0	0	937504	10.5	
131 Azobenzene	77	9.062	9.062	0.0	99	1371495	10.9	
137 4-Bromophenyl phenyl ether	248	9.345	9.345	0.0	62	365346	11.1	
139 Hexachlorobenzene	284	9.409	9.409	0.0	91	381632	11.2	
140 Atrazine	200	9.458	9.457	0.001	93	180624	7.44	
141 Pentachlorophenol	266	9.564	9.564	0.0	86	497747	21.5	
146 Phenanthrene	178	9.757	9.757	0.0	97	1859306	10.5	
147 Anthracene	178	9.800	9.800	0.0	97	1909227	10.9	
149 Carbazole	167	9.928	9.928	0.0	82	1797762	10.5	
151 Di-n-butyl phthalate	149	10.185	10.185	0.0	100	2171394	11.3	
157 Fluoranthene	202	10.763	10.762	0.001	97	2147977	11.0	
158 Benzidine	184	10.859	10.859	0.0	97	76849	1.06	
160 Pyrene	202	10.966	10.971	-0.005	96	2170507	9.94	
166 Butyl benzyl phthalate	149	11.554	11.549	0.005	97	930260	10.3	
173 3,3'-Dichlorobenzidine	252	12.191	12.191	0.0	70	596899	7.89	
171 Bis(2-ethylhexyl) phthalate	149	12.207	12.207	0.0	96	1288902	10.1	
175 Benzo[a]anthracene	228	12.239	12.244	-0.005	96	1965064	10.3	
176 Chrysene	228	12.287	12.287	0.0	94	1873123	10.3	
178 Di-n-octyl phthalate	149	13.100	13.100	0.0	99	2154786	10.1	
180 Benzo[b]fluoranthene	252	13.720	13.726	-0.006	94	1821558	9.79	

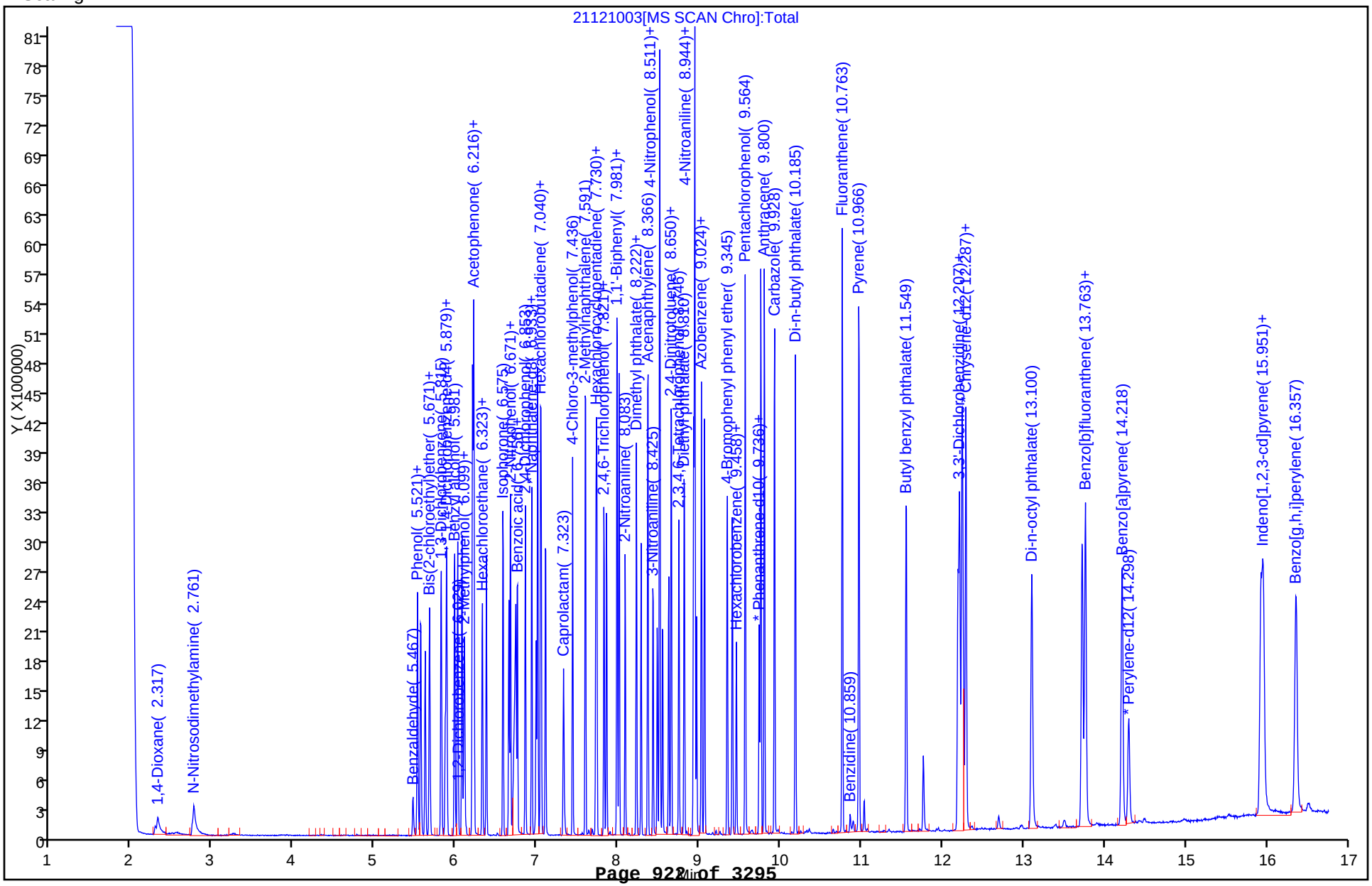
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
181 Benzo[k]fluoranthene	252	13.763	13.763	0.0	95	2077381	10.3	
182 Benzo[a]pyrene	252	14.218	14.212	0.006	77	1699586	8.86	
186 Indeno[1,2,3-cd]pyrene	276	15.929	15.929	0.0	98	2138028	10.1	
187 Dibenz(a,h)anthracene	278	15.956	15.956	0.0	73	1805698	10.0	
188 Benzo[g,h,i]perylene	276	16.357	16.362	-0.005	93	1852387	11.1	

Report Date: 23-Nov-2012 10:11:27 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121121-15157.b\21121003.D		
Injection Date:	21-Nov-2012 12:04:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	65876	Lims Sample ID:	3
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-68962/2 Calibration Date: 12/17/2012 10:30

Instrument ID: A4HP7 Calib Start Date: 11/07/2012 11:44

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 11/07/2012 14:51

Lab File ID: 21217002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.4642	0.4057	0.0500	8.74	10.0	-12.6	20.0
N-Nitrosodimethylamine	Qua		0.6027	0.0500	7.63	10.0	-23.7*	20.0
Pyridine	Ave	1.330	1.180	0.0500	8.87	10.0	-11.3	20.0
Benzaldehyde	Ave	1.043	0.8274	0.0500	7.93	10.0	-20.7*	20.0
Phenol	Ave	1.674	1.638	0.0500	9.79	10.0	-2.1	20.0
Aniline	Ave	2.093	2.023	0.0500	9.67	10.0	-3.3	20.0
Bis(2-chloroethyl)ether	Ave	1.293	1.267	0.0500	9.80	10.0	-2.0	20.0
2-Chlorophenol	Ave	1.352	1.374	0.0500	10.2	10.0	1.6	20.0
1,3-Dichlorobenzene	Ave	1.457	1.515	0.0500	10.4	10.0	4.0	20.0
1,4-Dichlorobenzene	Ave	1.448	1.506	0.0500	10.4	10.0	4.0	20.0
Benzyl alcohol	Ave	0.8332	0.8675	0.0500	10.4	10.0	4.1	20.0
1,2-Dichlorobenzene	Ave	1.380	1.425	0.0500	10.3	10.0	3.3	20.0
2-Methylphenol	Ave	1.220	1.223	0.0500	10.0	10.0	0.3	20.0
bis (2-chloroisopropyl) ether	Ave	1.897	1.766	0.0500	9.31	10.0	-6.9	20.0
3 & 4 Methylphenol	Ave	1.279	1.284	0.0500	10.0	10.0	0.4	20.0
N-Nitrosodi-n-propylamine	Ave	0.9059	0.9259	0.0500	10.2	10.0	2.2	20.0
Acetophenone	Ave	1.808	1.831	0.0500	10.1	10.0	1.3	20.0
Hexachloroethane	Ave	0.5884	0.5912	0.0500	10.0	10.0	0.5	20.0
Nitrobenzene	Ave	0.3635	0.3967	0.0500	10.9	10.0	9.1	20.0
Isophorone	Ave	0.6380	0.6634	0.0500	10.4	10.0	4.0	20.0
2-Nitrophenol	Ave	0.1710	0.1845	0.0500	10.8	10.0	7.9	20.0
2,4-Dimethylphenol	Ave	0.3362	0.3674	0.0500	10.9	10.0	9.3	20.0
Benzoic acid	Qua		0.1951	0.0500	17.7	20.0	-11.5	20.0
Bis(2-chloroethoxy)methane	Ave	0.4052	0.3933	0.0500	9.71	10.0	-2.9	20.0
2,4-Dichlorophenol	Ave	0.2657	0.2871	0.0500	10.8	10.0	8.1	20.0
1,2,4-Trichlorobenzene	Ave	0.3169	0.3372	0.0500	10.6	10.0	6.4	20.0
Naphthalene	Ave	0.999	1.033	0.0500	10.3	10.0	3.3	20.0
4-Chloroaniline	Ave	0.4261	0.4370	0.0500	10.3	10.0	2.6	20.0
Hexachlorobutadiene	Ave	0.1716	0.1974	0.0500	11.5	10.0	15.0	20.0
Caprolactam	Qua		0.1045	0.0500	10.4	10.0	3.8	20.0
4-Chloro-3-methylphenol	Ave	0.2854	0.3179	0.0500	11.1	10.0	11.4	20.0
2-Methylnaphthalene	Ave	0.6393	0.6746	0.0500	10.6	10.0	5.5	20.0
Hexachlorocyclopentadiene	Ave	0.3241	0.3352	0.0500	10.3	10.0	3.4	20.0
2,4,6-Trichlorophenol	Ave	0.3372	0.3636	0.0500	10.8	10.0	7.8	20.0
2,4,5-Trichlorophenol	Ave	0.3632	0.3883	0.0500	10.7	10.0	6.9	20.0
1,1'-Biphenyl	Ave	1.413	1.440	0.0500	10.2	10.0	2.0	20.0
2-Chloronaphthalene	Ave	1.105	1.121	0.0500	10.1	10.0	1.5	20.0
2-Nitroaniline	Ave	0.3242	0.3535	0.0500	10.9	10.0	9.0	20.0
Dimethyl phthalate	Ave	1.175	1.239	0.0500	10.5	10.0	5.4	20.0
2,6-Dinitrotoluene	Qua		0.2714	0.0500	10.1	10.0	0.7	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-68962/2 Calibration Date: 12/17/2012 10:30

Instrument ID: A4HP7 Calib Start Date: 11/07/2012 11:44

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 11/07/2012 14:51

Lab File ID: 21217002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acenaphthylene	Ave	1.825	1.886	0.0500	10.3	10.0	3.4	20.0
3-Nitroaniline	Ave	0.2941	0.3127	0.0500	10.6	10.0	6.3	20.0
Acenaphthene	Ave	1.097	1.138	0.0500	10.4	10.0	3.7	20.0
2,4-Dinitrophenol	Qua		0.1774	0.0500	19.2	20.0	-3.8	20.0
4-Nitrophenol	Ave	0.1694	0.2179	0.0500	12.9	10.0	28.7*	20.0
2,4-Dinitrotoluene	Qua		0.3848	0.0500	10.5	10.0	5.5	20.0
Dibenzofuran	Ave	1.629	1.668	0.0500	10.2	10.0	2.4	20.0
Diethyl phthalate	Ave	1.228	1.329	0.0500	10.8	10.0	8.2	20.0
4-Chlorophenyl phenyl ether	Ave	0.6187	0.6944	0.0500	11.2	10.0	12.2	20.0
Fluorene	Ave	1.308	1.379	0.0500	10.5	10.0	5.5	20.0
4-Nitroaniline	Qua		0.3284	0.0500	10.2	10.0	1.9	20.0
4,6-Dinitro-2-methylphenol	Qua		0.1289	0.0500	9.77	10.0	-2.3	20.0
N-Nitrosodiphenylamine	Ave	0.5517	0.5612	0.0500	10.2	10.0	1.7	20.0
1,2-Diphenylhydrazine(as Azobenzene)	Ave	0.7785	0.7506	0.0500	9.64	10.0	-3.6	20.0
4-Bromophenyl phenyl ether	Ave	0.2040	0.2181	0.0500	10.7	10.0	6.9	20.0
Hexachlorobenzene	Ave	0.2101	0.2202	0.0500	10.5	10.0	4.8	20.0
Atrazine	Ave	0.1501	0.1765	0.0500	11.8	10.0	17.5	20.0
Pentachlorophenol	Qua		0.1411	0.0500	19.8	20.0	-1.1	20.0
Phenanthrene	Ave	1.093	1.085	0.0500	9.93	10.0	-0.7	20.0
Anthracene	Ave	1.086	1.113	0.0500	10.3	10.0	2.5	20.0
Carbazole	Ave	1.055	1.069	0.0500	10.1	10.0	1.4	20.0
Di-n-butyl phthalate	Ave	1.185	1.256	0.0500	10.6	10.0	6.0	20.0
Fluoranthene	Ave	1.207	1.293	0.0500	10.7	10.0	7.2	20.0
Benzidine	Qua		0.6678	0.0500	9.72	10.0	-2.8	20.0
Pyrene	Ave	1.276	1.276	0.0500	9.99	10.0	-0.0	20.0
Butyl benzyl phthalate	Qua		0.5131	0.0500	9.75	10.0	-2.5	20.0
3,3'-Dichlorobenzidine	Qua		0.4495	0.0500	10.1	10.0	0.9	20.0
Bis(2-ethylhexyl) phthalate	Qua		0.7416	0.0500	9.94	10.0	-0.6	20.0
Benzo[a]anthracene	Ave	1.116	1.112	0.0500	9.96	10.0	-0.4	20.0
Chrysene	Ave	1.064	1.051	0.0500	9.88	10.0	-1.2	20.0
Di-n-octyl phthalate	Qua		1.464	0.0500	10.1	10.0	0.5	20.0
Benzo[b]fluoranthene	Ave	1.276	1.377	0.0500	10.8	10.0	7.9	20.0
Benzo[k]fluoranthene	Ave	1.387	1.481	0.0500	10.7	10.0	6.8	20.0
Benzo[a]pyrene	Qua		1.350	0.0500	10.2	10.0	1.9	20.0
Indeno[1,2,3-cd]pyrene	Qua		1.469	0.0500	10.1	10.0	1.1	20.0
Dibenz(a,h)anthracene	Qua		1.258	0.0500	10.2	10.0	1.6	20.0
Benzo[g,h,i]perylene	Ave	1.145	1.263	0.0500	11.0	10.0	10.3	20.0
2-Fluorophenol (Surr)	Ave	1.236	1.236	0.0500	9.99	10.0	-0.0	20.0
Phenol-d5 (Surr)	Ave	1.570	1.541	0.0500	9.82	10.0	-1.8	20.0
Nitrobenzene-d5 (Surr)	Ave	0.3517	0.3859	0.0500	11.0	10.0	9.7	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-68962/2 Calibration Date: 12/17/2012 10:30

Instrument ID: A4HP7 Calib Start Date: 11/07/2012 11:44

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 11/07/2012 14:51

Lab File ID: 21217002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Fluorobiphenyl (Surr)	Ave	1.298	1.370	0.0500	10.6	10.0	5.5	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1655	0.1884	0.0500	11.4	10.0	13.9	20.0
Terphenyl-d14 (Surr)	Ave	0.7408	0.7569	0.0500	10.2	10.0	2.2	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121217-15912.b\21217002.D
Lims ID: ccv tcl
Client ID:
Inject. Date: 17-Dec-2012 10:30:30
Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: 240-0015912-002
Misc. Info.: ccv tcl
Operator: 001710
Instrument ID: A4HP7
Injection Vol: 1.0 ul
ALS Bottle#: 2
Lims Batch ID: 68962
Lims Sample ID: 2
Sublist: chrom-8270_hp7*sub15
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121217-15912.b\8270_hp7.m
Last Update: 18-Dec-2012 09:22:49
Calib Date: 14-Nov-2012 18:19:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121114-14953.b\21114010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK030

First Level Reviewer: gruberj
Date: 17-Dec-2012 10:53:36

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.794	5.794	0.0	95	195037	4.00	
* 2 Naphthalene-d8	136	6.918	6.918	0.0	100	737332	4.00	
* 3 Acenaphthene-d10	164	8.415	8.415	0.0	92	439693	4.00	
* 4 Phenanthrene-d10	188	9.672	9.672	0.0	98	782725	4.00	
* 5 Chrysene-d12	240	12.148	12.148	0.0	95	840803	4.00	
* 6 Perylene-d12	264	14.160	14.160	0.0	94	697697	4.00	
$ 7 2-Fluorophenol	112	4.484	4.484	0.0	94	602573	10.0	
$ 8 Phenol-d5	99	5.441	5.441	0.0	90	751543	9.82	
$ 9 Nitrobenzene-d5	82	6.292	6.292	0.0	89	711333	11.0	
$ 10 2-Fluorobiphenyl (Surr)	172	7.832	7.832	0.0	99	1505619	10.6	
$ 11 2,4,6-Tribromophenol	330	9.078	9.078	0.0	93	207141	11.4	
$ 12 Terphenyl-d14	244	11.004	11.004	0.0	98	1590898	10.2	
24 1,4-Dioxane	88	1.933	1.933	0.0	96	197824	8.74	
25 N-Nitrosodimethylamine	74	2.409	2.409	0.0	87	293861	7.63	
26 Pyridine	79	2.451	2.451	0.0	92	575472	8.87	
27 Ethyl methacrylate	69	3.254	3.254	0.0	91	380328	7.06	
28 3-Chloropropionitrile	54	3.740	3.740	0.0	87	361873	10.1	
32 Malononitrile	66	4.163	4.163	0.0	99	654446	9.65	
40 Benzaldehyde	77	5.388	5.388	0.0	89	403449	7.93	
41 Phenol	94	5.452	5.452	0.0	95	798564	9.79	
43 Aniline	93	5.484	5.484	0.0	88	986605	9.67	
44 Bis(2-chloroethyl)ether	93	5.543	5.543	0.0	95	617776	9.80	
46 2-Chlorophenol	128	5.596	5.596	0.0	95	669852	10.2	
47 1,3-Dichlorobenzene	146	5.741	5.741	0.0	95	738894	10.4	
48 1,4-Dichlorobenzene	146	5.810	5.810	0.0	93	734423	10.4	
49 Benzyl alcohol	108	5.912	5.912	0.0	90	422984	10.4	
50 1,2-Dichlorobenzene	146	5.944	5.944	0.0	91	695016	10.3	
51 2-Methylphenol	108	6.008	6.008	0.0	97	596359	10.0	
52 2,2'-oxybis[1-chloropropane]	45	6.035	6.035	0.0	89	861175	9.31	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
191 3 & 4 Methylphenol	108	6.142	6.142	0.0	95	626195	10.0	
56 N-Nitrosodi-n-propylamine	70	6.147	6.147	0.0	90	451458	10.2	
57 Acetophenone	105	6.153	6.153	0.0	92	892995	10.1	
60 Hexachloroethane	117	6.249	6.249	0.0	91	288275	10.0	
61 Nitrobenzene	77	6.308	6.308	0.0	85	731321	10.9	
63 Isophorone	82	6.511	6.511	0.0	99	1222857	10.4	
65 2-Nitrophenol	139	6.586	6.586	0.0	97	340058	10.8	
66 1,3,5-Trichlorobenzene	180	6.591	6.591	0.0	93	641250	11.0	
64 2,4-Dimethylphenol	107	6.607	6.607	0.0	97	677229	10.9	
69 Benzoic acid	122	6.682	6.682	0.0	89	719262	17.7	
68 Bis(2-chloroethoxy)methane	93	6.693	6.693	0.0	95	724986	9.71	
71 2,4-Dichlorophenol	162	6.789	6.789	0.0	95	529273	10.8	
72 1,2,4-Trichlorobenzene	180	6.869	6.869	0.0	93	621491	10.6	
73 Naphthalene	128	6.939	6.939	0.0	97	1903235	10.3	
74 4-Chloroaniline	127	6.976	6.976	0.0	86	805494	10.3	
77 Hexachlorobutadiene	225	7.035	7.035	0.0	95	363774	11.5	
78 1,2,3-Trichlorobenzene	180	7.062	7.062	0.0	91	590800	0	
83 Caprolactam	113	7.265	7.265	0.0	72	192549	10.4	
84 4-Chloro-3-methylphenol	107	7.377	7.377	0.0	96	585938	11.1	
85 2-Methylnaphthalene	142	7.527	7.527	0.0	88	1243462	10.6	
86 1-Methylnaphthalene	142	7.613	7.613	0.0	90	1192173	10.6	
88 Hexachlorocyclopentadiene	237	7.656	7.656	0.0	75	368475	10.3	
87 1,2,3,5-Tetrachlorobenzene	216	7.656	7.656	0.0	96	633538	10.6	
90 2,4,6-Trichlorophenol	196	7.763	7.763	0.0	92	399634	10.8	
91 2,4,5-Trichlorophenol	196	7.795	7.795	0.0	94	426854	10.7	
94 2,4-Toluene diamine	121	7.902	7.902	0.0	98	439115	11.7	
96 1,2,3,4 -Tetrachlorobenzene	216	7.912	7.912	0.0	95	608684	0	
95 1,1'-Biphenyl	154	7.918	7.918	0.0	94	1583368	10.2	
98 2-Chloronaphthalene	162	7.944	7.944	0.0	96	1232285	10.1	
100 2-Nitroaniline	65	8.019	8.019	0.0	81	388555	10.9	
103 Dimethyl phthalate	163	8.164	8.164	0.0	99	1361628	10.5	
105 2,6-Dinitrotoluene	165	8.223	8.223	0.0	94	298356	10.1	
106 1,2-Dinitrobenzene	168	8.271	8.271	0.0	89	168842	11.8	
107 Acenaphthylene	152	8.297	8.297	0.0	91	2073154	10.3	
108 3-Nitroaniline	138	8.367	8.367	0.0	91	343776	10.6	
110 Acenaphthene	153	8.442	8.442	0.0	92	1250834	10.4	
109 2,4-Dinitrophenol	184	8.453	8.453	0.0	88	390054	19.2	
111 4-Nitrophenol	109	8.490	8.490	0.0	96	239548	12.9	
112 2,4-Dinitrotoluene	165	8.560	8.560	0.0	90	422945	10.5	
114 Dibenzofuran	168	8.586	8.586	0.0	88	1833797	10.2	
115 2,3,5,6-Tetrachlorophenol	232	8.645	8.645	0.0	91	381968	11.6	
119 Diethyl phthalate	149	8.752	8.752	0.0	98	1461224	10.8	
121 4-Chlorophenyl phenyl ether	204	8.864	8.864	0.0	90	763335	11.2	
124 Fluorene	166	8.875	8.875	0.0	83	1515990	10.5	
123 4-Nitroaniline	138	8.880	8.880	0.0	72	360988	10.2	
126 4,6-Dinitro-2-methylphenol	198	8.907	8.907	0.0	76	252229	9.77	
130 N-Nitrosodiphenylamine	169	8.961	8.961	0.0	0	1098130	10.2	
131 Azobenzene	77	8.998	8.998	0.0	99	1468630	9.64	
129 1,2-Diphenylhydrazine	77	8.998	8.998	0.0	0	1468817	9.64	
137 4-Bromophenyl phenyl ether	248	9.276	9.276	0.0	64	426682	10.7	
139 Hexachlorobenzene	284	9.340	9.340	0.0	90	430841	10.5	
140 Atrazine	200	9.394	9.394	0.0	93	345282	11.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.501	9.501	0.0	89	552042	19.8	
146 Phenanthrene	178	9.688	9.688	0.0	97	2122631	9.93	
147 Anthracene	178	9.731	9.731	0.0	97	2178032	10.3	
149 Carbazole	167	9.859	9.859	0.0	82	2092320	10.1	
151 Di-n-butyl phthalate	149	10.116	10.116	0.0	100	2457357	10.6	
157 Fluoranthene	202	10.694	10.694	0.0	96	2530689	10.7	
158 Benzidine	184	10.785	10.785	0.0	99	1403743	9.72	
160 Pyrene	202	10.892	10.892	0.0	97	2681137	10.0	
166 Butyl benzyl phthalate	149	11.464	11.464	0.0	97	1078521	9.75	
170 3,3'-Dimethoxybenzidine	244	12.047	12.047	0.0	94	577461	9.94	
172 4,4'-Methylene bis(2-chloroanili	231	12.090	12.090	0.0	71	447053	10.4	
173 3,3'-Dichlorobenzidine	252	12.090	12.090	0.0	66	944815	10.1	
171 Bis(2-ethylhexyl) phthalate	149	12.106	12.106	0.0	95	1558914	9.94	
175 Benzo[a]anthracene	228	12.138	12.138	0.0	97	2337878	9.96	
176 Chrysene	228	12.186	12.186	0.0	94	2209128	9.88	
178 Di-n-octyl phthalate	149	12.978	12.978	0.0	99	2554025	10.1	
180 Benzo[b]fluoranthene	252	13.593	13.593	0.0	93	2401197	10.8	
181 Benzo[k]fluoranthene	252	13.635	13.635	0.0	95	2583213	10.7	
182 Benzo[a]pyrene	252	14.079	14.079	0.0	74	2354585	10.2	
186 Indeno[1,2,3-cd]pyrene	276	15.780	15.780	0.0	99	2561650	10.1	
187 Dibenz(a,h)anthracene	278	15.802	15.802	0.0	78	2194862	10.2	
188 Benzo[g,h,i]perylene	276	16.197	16.197	0.0	97	2202913	11.0	
S 189 Methyl Phenols,Total	100				0		10.0	

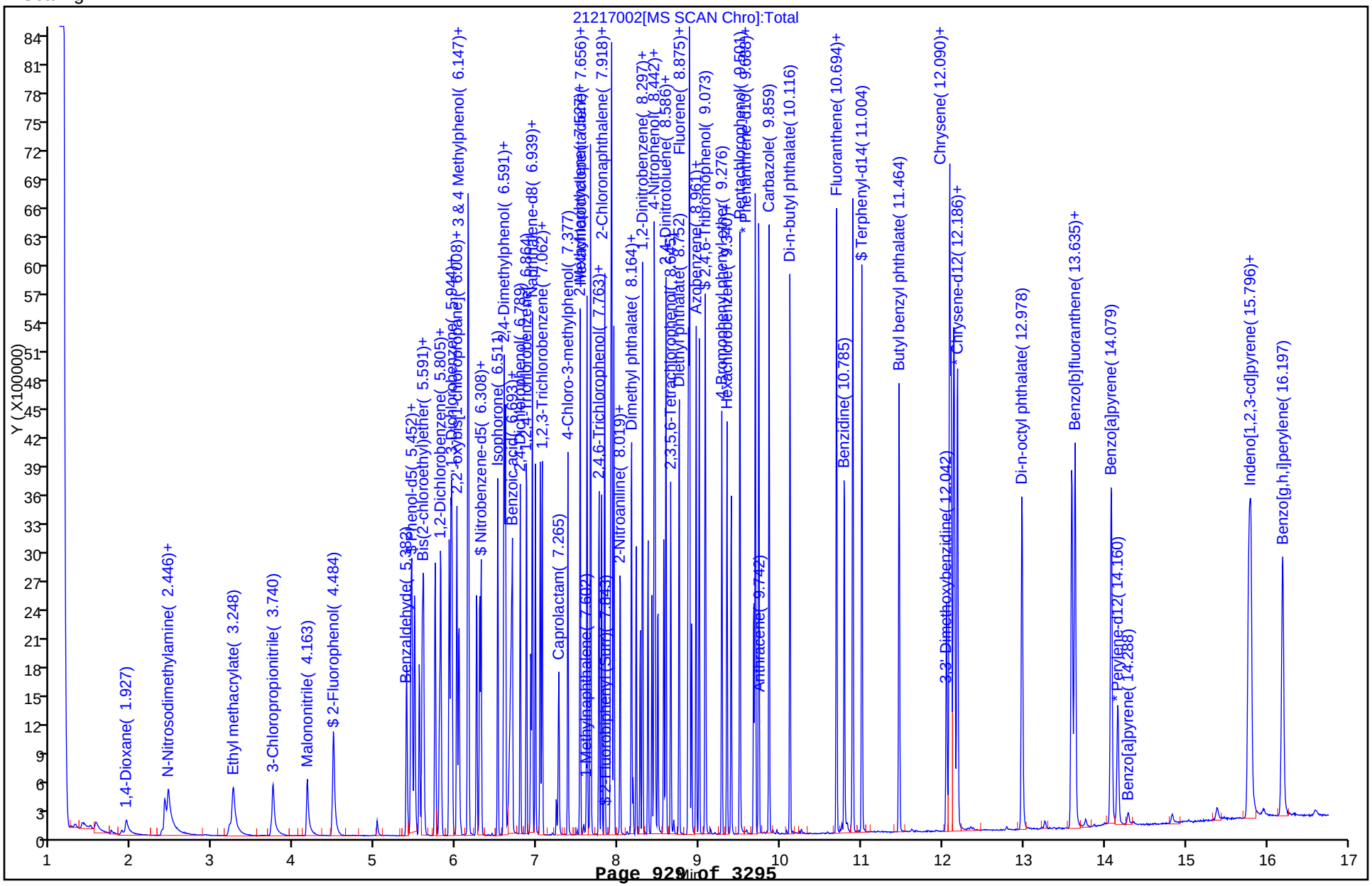
Report Date: 18-Dec-2012 09:22:50 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121217-15912.b\21217002.D

Injection Date:	17-Dec-2012 10:30:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	68962	Lims Sample ID:	2
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-69908/3 Calibration Date: 12/22/2012 12:30

Instrument ID: A4HP9 Calib Start Date: 12/21/2012 13:40

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/21/2012 16:59

Lab File ID: 21222003.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Ave	1.057	1.147	0.0500	10.8	10.0	8.5	20.0
Phenol	Ave	2.227	2.255	0.0500	10.1	10.0	1.3	20.0
Bis(2-chloroethyl)ether	Ave	2.114	1.795	0.0500	8.49	10.0	-15.1	20.0
2-Chlorophenol	Ave	1.343	1.358	0.0500	10.1	10.0	1.1	20.0
1,3-Dichlorobenzene	Ave	1.736	1.439	0.0500	8.29	10.0	-17.1	20.0
1,4-Dichlorobenzene	Ave	1.410	1.421	0.0500	10.1	10.0	0.7	20.0
Benzyl alcohol	Ave	0.9903	1.083	0.0500	10.9	10.0	9.4	20.0
1,2-Dichlorobenzene	Ave	1.684	1.396	0.0500	8.29	10.0	-17.1	20.0
2-Methylphenol	Ave	1.461	1.382	0.0500	9.46	10.0	-5.4	20.0
3 & 4 Methylphenol	Ave	1.532	1.562	0.0500	10.2	10.0	2.0	20.0
N-Nitrosodi-n-propylamine	Ave	1.380	1.492	0.0500	10.8	10.0	8.1	20.0
Hexachloroethane	Ave	0.7413	0.6579	0.0500	8.87	10.0	-11.3	20.0
Nitrobenzene	Ave	0.6419	0.5302	0.0500	8.26	10.0	-17.4	20.0
Isophorone	Ave	0.9811	0.9645	0.0500	9.83	10.0	-1.7	20.0
2-Nitrophenol	Qua		0.1845	0.0500	10.6	10.0	5.6	20.0
2,4-Dimethylphenol	Ave	0.4258	0.3901	0.0500	9.16	10.0	-8.4	20.0
Benzoic acid	Qua		0.2258	0.0500	19.4	20.0	-2.8	20.0
Bis(2-chloroethoxy)methane	Ave	0.6654	0.5536	0.0500	8.32	10.0	-16.8	20.0
2,4-Dichlorophenol	Ave	0.2599	0.2641	0.0500	10.2	10.0	1.6	20.0
1,2,4-Trichlorobenzene	Ave	0.3814	0.3054	0.0500	8.01	10.0	-19.9	20.0
Naphthalene	Ave	1.053	1.039	0.0500	9.86	10.0	-1.4	20.0
Hexachlorobutadiene	Ave	0.2118	0.1783	0.0500	8.41	10.0	-15.9	20.0
4-Chloro-3-methylphenol	Ave	0.3508	0.3629	0.0500	10.3	10.0	3.4	20.0
2-Methylnaphthalene	Ave	0.6956	0.6587	0.0500	9.47	10.0	-5.3	20.0
Hexachlorocyclopentadiene	Ave	0.3891	0.3491	0.0500	8.97	10.0	-10.3	20.0
2,4,6-Trichlorophenol	Ave	0.3354	0.3603	0.0500	10.7	10.0	7.4	20.0
2,4,5-Trichlorophenol	Ave	0.3595	0.3859	0.0500	10.7	10.0	7.4	20.0
2-Chloronaphthalene	Ave	1.315	1.071	0.0500	8.15	10.0	-18.5	20.0
2-Nitroaniline	Qua		0.4598	0.0500	10.3	10.0	2.7	20.0
Dimethyl phthalate	Ave	1.183	1.244	0.0500	10.5	10.0	5.1	20.0
2,6-Dinitrotoluene	Qua		0.2771	0.0500	8.57	10.0	-14.3	20.0
Acenaphthylene	Ave	1.895	1.856	0.0500	9.79	10.0	-2.1	20.0
3-Nitroaniline	Ave	0.2833	0.2912	0.0500	10.3	10.0	2.8	20.0
2,4-Dinitrophenol	Qua		0.1812	0.0500	19.4	20.0	-3.1	20.0
Acenaphthene	Ave	1.208	1.167	0.0500	9.66	10.0	-3.4	20.0
4-Nitrophenol	Qua		0.2101	0.0500	9.86	10.0	-1.4	20.0
2,4-Dinitrotoluene	Qua		0.3645	0.0500	8.65	10.0	-13.5	20.0
Dibenzofuran	Ave	1.684	1.632	0.0500	9.69	10.0	-3.1	20.0
Diethyl phthalate	Ave	1.266	1.298	0.0500	10.3	10.0	2.5	20.0
4-Chlorophenyl phenyl ether	Ave	0.7948	0.6742	0.0500	8.48	10.0	-15.2	20.0
4-Nitroaniline	Qua		0.3109	0.0500	9.25	10.0	-7.5	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-69908/3 Calibration Date: 12/22/2012 12:30

Instrument ID: A4HP9 Calib Start Date: 12/21/2012 13:40

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/21/2012 16:59

Lab File ID: 21222003.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluorene	Ave	1.283	1.262	0.0500	9.83	10.0	-1.7	20.0
4,6-Dinitro-2-methylphenol	Qua		0.1275	0.0500	9.96	10.0	-0.4	20.0
N-Nitrosodiphenylamine	Ave	0.5510	0.5478	0.0500	9.94	10.0	-0.6	20.0
4-Bromophenyl phenyl ether	Ave	0.2394	0.2008	0.0500	8.39	10.0	-16.1	20.0
Hexachlorobenzene	Ave	0.2304	0.1802	0.0500	7.82	10.0	-21.8*	20.0
Pentachlorophenol	Qua		0.1380	0.0500	18.8	20.0	-5.8	20.0
Phenanthrene	Ave	1.112	1.080	0.0500	9.71	10.0	-2.9	20.0
Anthracene	Ave	1.098	1.081	0.0500	9.85	10.0	-1.5	20.0
Carbazole	Ave	1.008	1.055	0.0500	10.5	10.0	4.7	20.0
Di-n-butyl phthalate	Ave	1.243	1.344	0.0500	10.8	10.0	8.1	20.0
Fluoranthene	Ave	1.226	1.225	0.0500	9.99	10.0	-0.1	20.0
Benzidine	Qua		0.0322*	0.0500	1.15	10.0	-88.5*	20.0
Pyrene	Ave	1.301	1.288	0.0500	9.90	10.0	-1.0	20.0
Butyl benzyl phthalate	Ave	0.5049	0.5603	0.0500	11.1	10.0	11.0	20.0
3,3'-Dichlorobenzidine	Ave	0.4073	0.2984	0.0500	7.33	10.0	-26.7*	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.7356	0.8030	0.0500	10.9	10.0	9.2	20.0
Benzo[a]anthracene	Qua		1.146	0.0500	9.72	10.0	-2.8	20.0
Chrysene	Ave	1.120	1.136	0.0500	10.1	10.0	1.4	20.0
Di-n-octyl phthalate	Qua		1.534	0.0500	9.79	10.0	-2.1	20.0
Benzo[b]fluoranthene	Ave	1.334	1.258	0.0500	9.43	10.0	-5.7	20.0
Benzo[k]fluoranthene	Ave	1.355	1.382	0.0500	10.2	10.0	2.0	20.0
Benzo[a]pyrene	Ave	1.213	1.110	0.0500	9.15	10.0	-8.5	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.344	1.327	0.0500	9.88	10.0	-1.2	20.0
Dibenz(a,h)anthracene	Ave	1.040	1.028	0.0500	9.89	10.0	-1.1	20.0
Benzo[g,h,i]perylene	Qua		1.109	0.0500	9.70	10.0	-3.0	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121222-16124.b\21222003.D
Lims ID: icv ind
Client ID:
Inject. Date: 22-Dec-2012 12:30:30
Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0016124-003
Misc. Info.: ICV IND =ICV IND
Operator: 001574
Instrument ID: A4HP9
Injection Vol: 1.0 ul
ALS Bottle#: 3
Lims Batch ID: 69908
Lims Sample ID: 3
Sublist:
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121222-16124.b\8270 _9.m
Last Update: 24-Dec-2012 10:24:16
Calib Date: 21-Dec-2012 20:45:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221019.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK008

First Level Reviewer: ulmanm
Date: 22-Dec-2012 13:10:01

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.000	6.004	-0.004	95	129098	4.00	
* 2 Naphthalene-d8	136	7.111	7.110	0.001	99	507424	4.00	
* 3 Acenaphthene-d10	164	8.607	8.606	0.001	90	292629	4.00	
* 4 Phenanthrene-d10	188	9.868	9.872	-0.004	94	521564	4.00	
* 5 Chrysene-d12	240	12.469	12.474	-0.005	73	510621	4.00	
* 6 Perylene-d12	264	14.590	14.595	-0.005	88	413920	4.00	
25 1,4-Dioxane	88	2.693	2.692	0.001	87	258995	11.5	M
26 N-Nitrosodimethylamine	74	3.169	3.162	0.007	79	370151	10.8	M
41 Benzaldehyde	77	5.610	5.609	0.001	88	92832	1.65	
43 Phenol	94	5.647	5.652	-0.005	97	727938	10.1	
44 Aniline	93	5.701	5.700	0.001	96	767348	8.58	
69 Bis(2-chloroethyl)ether	93	5.754	5.753	0.001	96	579486	8.49	
46 2-Chlorophenol	128	5.808	5.807	0.001	93	438184	10.1	
47 1,3-Dichlorobenzene	146	5.952	5.951	0.001	90	464310	8.29	
48 1,4-Dichlorobenzene	146	6.016	6.020	-0.004	84	458513	10.1	
49 Benzyl alcohol	108	6.107	6.106	0.001	86	349611	10.9	
50 1,2-Dichlorobenzene	146	6.155	6.154	0.001	88	450553	8.29	
51 2-Methylphenol	108	6.192	6.191	0.001	94	446176	9.46	
53 2,2'-oxybis[1-chloropropane]	45	6.224	6.229	-0.005	96	580780	8.47	
21 3 & 4 Methylphenol	108	6.321	6.320	0.001	92	504141	10.2	
56 N-Nitrosopyrrolidine	100	6.321	6.324	-0.003	81	255405	11.3	
57 N-Nitrosodi-n-propylamine	70	6.337	6.341	-0.004	74	481521	10.8	
58 Acetophenone	105	6.347	6.346	0.001	83	722902	10.0	
61 Hexachloroethane	117	6.454	6.453	0.001	88	212321	8.87	
62 Nitrobenzene	77	6.497	6.501	-0.004	83	672621	8.26	
64 Isophorone	82	6.700	6.699	0.001	95	1223494	9.83	
66 2-Nitrophenol	139	6.775	6.774	0.001	95	233988	10.6	
65 2,4-Dimethylphenol	107	6.785	6.784	0.001	97	494836	9.16	
71 Benzoic acid	122	6.839	6.843	-0.004	85	572976	19.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
70 Bis(2-chloroethoxy)methane	93	6.871	6.875	-0.004	98	702237	8.32	
73 2,4-Dichlorophenol	162	6.972	6.971	0.001	96	334998	10.2	
74 1,2,4-Trichlorobenzene	180	7.052	7.057	-0.005	81	387383	8.01	
75 Naphthalene	128	7.127	7.132	-0.005	98	1318022	9.86	
76 4-Chloroaniline	127	7.159	7.158	0.001	81	525723	9.86	
77 2,6-Dichlorophenol	162	7.170	7.168	0.002	87	335951	10.6	
79 Hexachlorobutadiene	225	7.223	7.222	0.001	89	226131	8.41	
84 Caprolactam	113	7.442	7.441	0.001	82	150909	9.85	
86 4-Chloro-3-methylphenol	107	7.549	7.548	0.001	86	460308	10.3	
87 2-Methylnaphthalene	142	7.715	7.719	-0.004	88	835589	9.47	
89 Hexachlorocyclopentadiene	237	7.843	7.847	-0.004	89	255390	8.97	
91 1,2,4,5-Tetrachlorobenzene	216	7.854	7.857	-0.003	94	401212	10.2	
92 2,4,6-Trichlorophenol	196	7.945	7.944	0.001	91	263558	10.7	
93 2,4,5-Trichlorophenol	196	7.971	7.976	-0.005	90	282343	10.7	
98 1,1'-Biphenyl	154	8.105	8.109	-0.004	95	1121780	10.2	
100 2-Chloronaphthalene	162	8.132	8.136	-0.004	96	783817	8.15	
102 2-Nitroaniline	65	8.201	8.205	-0.004	74	336381	10.3	
105 Dimethyl phthalate	163	8.340	8.344	-0.004	94	909887	10.5	
107 2,6-Dinitrotoluene	165	8.399	8.403	-0.004	80	202729	8.57	
109 Acenaphthylene	152	8.489	8.488	0.001	92	1357583	9.79	
110 3-Nitroaniline	138	8.548	8.547	0.001	85	213027	10.3	
112 Acenaphthene	153	8.634	8.633	0.001	89	853876	9.66	
111 2,4-Dinitrophenol	184	8.634	8.638	-0.004	67	265111	19.4	
113 4-Nitrophenol	109	8.655	8.659	-0.004	85	153690	9.86	
114 2,4-Dinitrotoluene	165	8.746	8.745	0.001	78	266674	8.65	
116 Dibenzofuran	168	8.778	8.777	0.001	85	1193750	9.69	
119 2,3,4,6-Tetrachlorophenol	232	8.869	8.872	-0.003	70	224122	10.4	
121 Diethyl phthalate	149	8.938	8.937	0.001	95	949387	10.3	
123 4-Chlorophenyl phenyl ether	204	9.056	9.055	0.001	93	493232	8.48	
125 4-Nitroaniline	138	9.066	9.065	0.001	80	227475	9.25	
126 Fluorene	166	9.072	9.071	0.001	77	923024	9.83	
128 4,6-Dinitro-2-methylphenol	198	9.088	9.087	0.001	72	166264	9.96	
131 N-Nitrosodiphenylamine	169	9.152	9.151	0.001	98	714294	9.94	
133 Azobenzene	77	9.189	9.188	0.001	94	1539926	10.5	
139 4-Bromophenyl phenyl ether	248	9.472	9.471	0.001	65	261882	8.39	
141 Hexachlorobenzene	284	9.537	9.536	0.001	78	234960	7.82	
142 Atrazine	200	9.579	9.584	-0.005	82	131424	6.66	
143 Pentachlorophenol	266	9.691	9.696	-0.005	80	359908	18.8	
148 Phenanthrene	178	9.889	9.893	-0.004	87	1407645	9.71	
149 Anthracene	178	9.937	9.936	0.001	87	1409325	9.85	
151 Carbazole	167	10.055	10.059	-0.004	81	1375771	10.5	
154 Di-n-butyl phthalate	149	10.311	10.315	-0.004	100	1752005	10.8	
159 Fluoranthene	202	10.909	10.908	0.001	98	1597033	10.0	
160 Benzidine	184	11.006	11.005	0.001	69	41155	1.15	
161 Pyrene	202	11.123	11.127	-0.004	95	1644009	9.90	
168 Butyl benzyl phthalate	149	11.732	11.731	0.001	92	715226	11.1	
175 3,3'-Dichlorobenzidine	252	12.400	12.404	-0.004	68	380903	7.33	
173 Bis(2-ethylhexyl) phthalate	149	12.421	12.420	0.001	95	1025076	10.9	
177 Benzo[a]anthracene	228	12.459	12.458	0.001	88	1463048	9.72	
178 Chrysene	228	12.507	12.511	-0.004	86	1450376	10.1	
180 Di-n-octyl phthalate	149	13.351	13.350	0.001	99	1587043	9.79	
182 Benzo[b]fluoranthene	252	13.997	14.002	-0.005	79	1301678	9.43	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
183 Benzo[k]fluoranthene	252	14.040	14.039	0.001	89	1430463	10.2	
184 Benzo[a]pyrene	252	14.505	14.509	-0.004	75	1148492	9.15	
188 Indeno[1,2,3-cd]pyrene	276	16.294	16.299	-0.005	81	1373559	9.88	
189 Dibenz(a,h)anthracene	278	16.326	16.325	0.001	64	1064149	9.89	
190 Benzo[g,h,i]perylene	276	16.764	16.769	-0.005	77	1147413	9.70	

QC Flag Legend

Review Flags
M - Manually Integrated

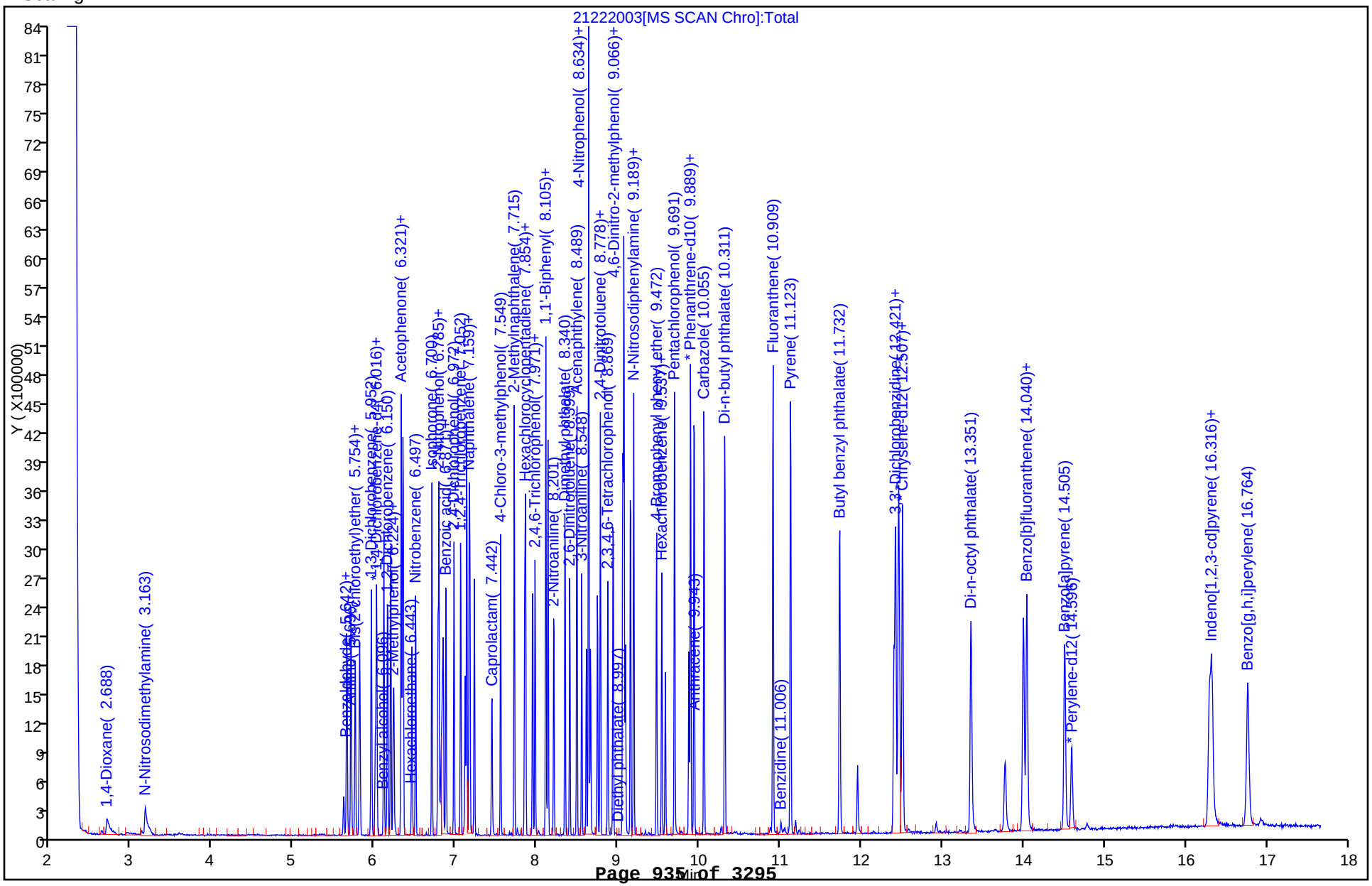
Report Date: 24-Dec-2012 10:24:19 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121222-16124.b\21222003.D

Injection Date:	22-Dec-2012 12:30:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69908	Lims Sample ID:	3
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

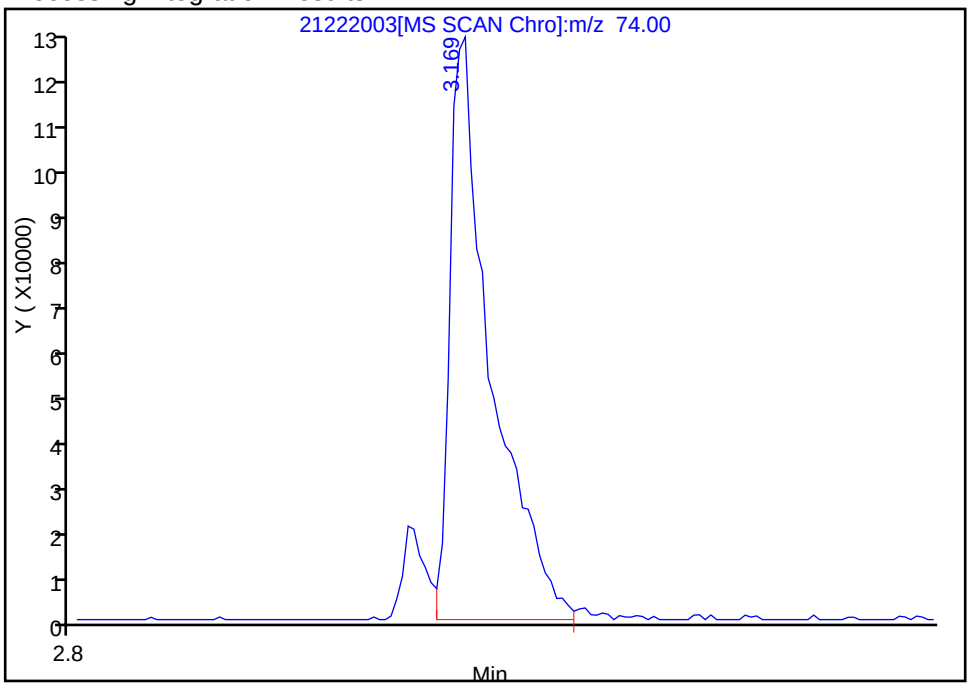
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121222-16124.b\21222003.D		
Injection Date:	22-Dec-2012 12:30:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69908	Lims Sample ID:	3
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

26 N-Nitrosodimethylamine, Signal: 1, m/z: 74.0 Type: quant, RT: 3.16

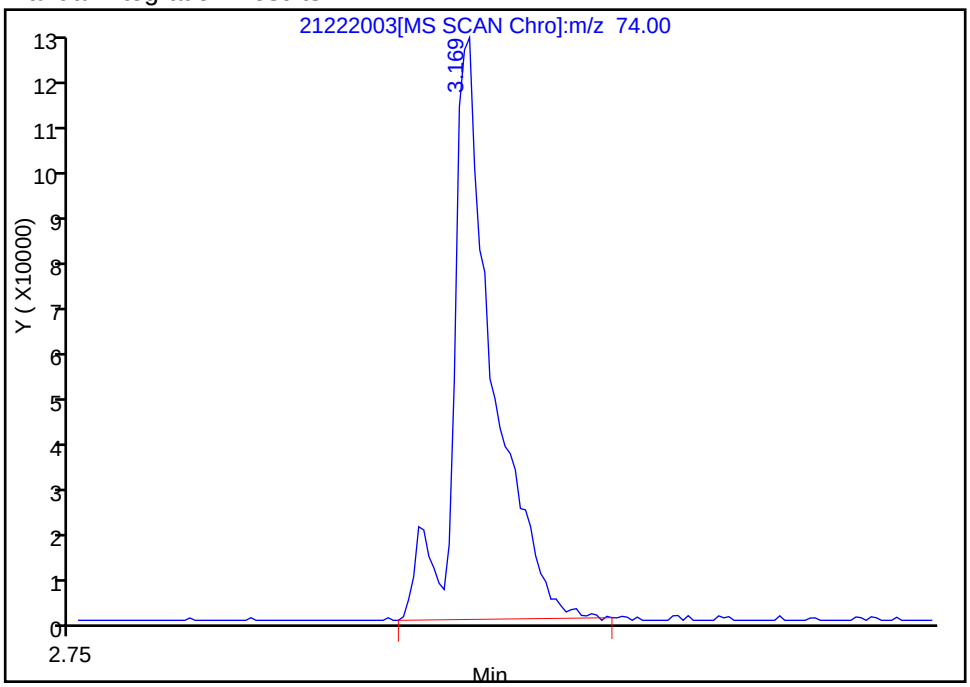
Processing Integration Results

RT: 3.17
Response: 342137
Amount: 10.028124



Manual Integration Results

RT: 3.17
Response: 370151
Amount: 10.849222



Reviewer: ulmanm, 22-Dec-2012 13:10:01
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-69908/3 Calibration Date: 12/22/2012 12:30

Instrument ID: A4HP9 Calib Start Date: 12/21/2012 17:50

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/21/2012 20:45

Lab File ID: 21222003.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosopyrrolidine	Qua		0.7914	0.0500	11.3	10.0	12.6	20.0
2,6-Dichlorophenol	Ave	0.2503	0.2648	0.0500	10.6	10.0	5.8	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121222-16124.b\21222003.D
Lims ID: icv ind
Client ID:
Inject. Date: 22-Dec-2012 12:30:30
Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0016124-003
Misc. Info.: ICV IND =ICV IND
Operator: 001574
Instrument ID: A4HP9
Injection Vol: 1.0 ul
ALS Bottle#: 3
Lims Batch ID: 69908
Lims Sample ID: 3
Sublist:
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121222-16124.b\8270 _9.m
Last Update: 24-Dec-2012 10:24:16
Calib Date: 21-Dec-2012 20:45:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221019.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK008

First Level Reviewer: ulmanm
Date: 22-Dec-2012 13:10:01

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.000	6.004	-0.004	95	129098	4.00	
* 2 Naphthalene-d8	136	7.111	7.110	0.001	99	507424	4.00	
* 3 Acenaphthene-d10	164	8.607	8.606	0.001	90	292629	4.00	
* 4 Phenanthrene-d10	188	9.868	9.872	-0.004	94	521564	4.00	
* 5 Chrysene-d12	240	12.469	12.474	-0.005	73	510621	4.00	
* 6 Perylene-d12	264	14.590	14.595	-0.005	88	413920	4.00	
25 1,4-Dioxane	88	2.693	2.692	0.001	87	258995	11.5	M
26 N-Nitrosodimethylamine	74	3.169	3.162	0.007	79	370151	10.8	M
41 Benzaldehyde	77	5.610	5.609	0.001	88	92832	1.65	
43 Phenol	94	5.647	5.652	-0.005	97	727938	10.1	
44 Aniline	93	5.701	5.700	0.001	96	767348	8.58	
69 Bis(2-chloroethyl)ether	93	5.754	5.753	0.001	96	579486	8.49	
46 2-Chlorophenol	128	5.808	5.807	0.001	93	438184	10.1	
47 1,3-Dichlorobenzene	146	5.952	5.951	0.001	90	464310	8.29	
48 1,4-Dichlorobenzene	146	6.016	6.020	-0.004	84	458513	10.1	
49 Benzyl alcohol	108	6.107	6.106	0.001	86	349611	10.9	
50 1,2-Dichlorobenzene	146	6.155	6.154	0.001	88	450553	8.29	
51 2-Methylphenol	108	6.192	6.191	0.001	94	446176	9.46	
53 2,2'-oxybis[1-chloropropane]	45	6.224	6.229	-0.005	96	580780	8.47	
21 3 & 4 Methylphenol	108	6.321	6.320	0.001	92	504141	10.2	
56 N-Nitrosopyrrolidine	100	6.321	6.324	-0.003	81	255405	11.3	
57 N-Nitrosodi-n-propylamine	70	6.337	6.341	-0.004	74	481521	10.8	
58 Acetophenone	105	6.347	6.346	0.001	83	722902	10.0	
61 Hexachloroethane	117	6.454	6.453	0.001	88	212321	8.87	
62 Nitrobenzene	77	6.497	6.501	-0.004	83	672621	8.26	
64 Isophorone	82	6.700	6.699	0.001	95	1223494	9.83	
66 2-Nitrophenol	139	6.775	6.774	0.001	95	233988	10.6	
65 2,4-Dimethylphenol	107	6.785	6.784	0.001	97	494836	9.16	
71 Benzoic acid	122	6.839	6.843	-0.004	85	572976	19.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
70 Bis(2-chloroethoxy)methane	93	6.871	6.875	-0.004	98	702237	8.32	
73 2,4-Dichlorophenol	162	6.972	6.971	0.001	96	334998	10.2	
74 1,2,4-Trichlorobenzene	180	7.052	7.057	-0.005	81	387383	8.01	
75 Naphthalene	128	7.127	7.132	-0.005	98	1318022	9.86	
76 4-Chloroaniline	127	7.159	7.158	0.001	81	525723	9.86	
77 2,6-Dichlorophenol	162	7.170	7.168	0.002	87	335951	10.6	
79 Hexachlorobutadiene	225	7.223	7.222	0.001	89	226131	8.41	
84 Caprolactam	113	7.442	7.441	0.001	82	150909	9.85	
86 4-Chloro-3-methylphenol	107	7.549	7.548	0.001	86	460308	10.3	
87 2-Methylnaphthalene	142	7.715	7.719	-0.004	88	835589	9.47	
89 Hexachlorocyclopentadiene	237	7.843	7.847	-0.004	89	255390	8.97	
91 1,2,4,5-Tetrachlorobenzene	216	7.854	7.857	-0.003	94	401212	10.2	
92 2,4,6-Trichlorophenol	196	7.945	7.944	0.001	91	263558	10.7	
93 2,4,5-Trichlorophenol	196	7.971	7.976	-0.005	90	282343	10.7	
98 1,1'-Biphenyl	154	8.105	8.109	-0.004	95	1121780	10.2	
100 2-Chloronaphthalene	162	8.132	8.136	-0.004	96	783817	8.15	
102 2-Nitroaniline	65	8.201	8.205	-0.004	74	336381	10.3	
105 Dimethyl phthalate	163	8.340	8.344	-0.004	94	909887	10.5	
107 2,6-Dinitrotoluene	165	8.399	8.403	-0.004	80	202729	8.57	
109 Acenaphthylene	152	8.489	8.488	0.001	92	1357583	9.79	
110 3-Nitroaniline	138	8.548	8.547	0.001	85	213027	10.3	
112 Acenaphthene	153	8.634	8.633	0.001	89	853876	9.66	
111 2,4-Dinitrophenol	184	8.634	8.638	-0.004	67	265111	19.4	
113 4-Nitrophenol	109	8.655	8.659	-0.004	85	153690	9.86	
114 2,4-Dinitrotoluene	165	8.746	8.745	0.001	78	266674	8.65	
116 Dibenzofuran	168	8.778	8.777	0.001	85	1193750	9.69	
119 2,3,4,6-Tetrachlorophenol	232	8.869	8.872	-0.003	70	224122	10.4	
121 Diethyl phthalate	149	8.938	8.937	0.001	95	949387	10.3	
123 4-Chlorophenyl phenyl ether	204	9.056	9.055	0.001	93	493232	8.48	
125 4-Nitroaniline	138	9.066	9.065	0.001	80	227475	9.25	
126 Fluorene	166	9.072	9.071	0.001	77	923024	9.83	
128 4,6-Dinitro-2-methylphenol	198	9.088	9.087	0.001	72	166264	9.96	
131 N-Nitrosodiphenylamine	169	9.152	9.151	0.001	98	714294	9.94	
133 Azobenzene	77	9.189	9.188	0.001	94	1539926	10.5	
139 4-Bromophenyl phenyl ether	248	9.472	9.471	0.001	65	261882	8.39	
141 Hexachlorobenzene	284	9.537	9.536	0.001	78	234960	7.82	
142 Atrazine	200	9.579	9.584	-0.005	82	131424	6.66	
143 Pentachlorophenol	266	9.691	9.696	-0.005	80	359908	18.8	
148 Phenanthrene	178	9.889	9.893	-0.004	87	1407645	9.71	
149 Anthracene	178	9.937	9.936	0.001	87	1409325	9.85	
151 Carbazole	167	10.055	10.059	-0.004	81	1375771	10.5	
154 Di-n-butyl phthalate	149	10.311	10.315	-0.004	100	1752005	10.8	
159 Fluoranthene	202	10.909	10.908	0.001	98	1597033	10.0	
160 Benzidine	184	11.006	11.005	0.001	69	41155	1.15	
161 Pyrene	202	11.123	11.127	-0.004	95	1644009	9.90	
168 Butyl benzyl phthalate	149	11.732	11.731	0.001	92	715226	11.1	
175 3,3'-Dichlorobenzidine	252	12.400	12.404	-0.004	68	380903	7.33	
173 Bis(2-ethylhexyl) phthalate	149	12.421	12.420	0.001	95	1025076	10.9	
177 Benzo[a]anthracene	228	12.459	12.458	0.001	88	1463048	9.72	
178 Chrysene	228	12.507	12.511	-0.004	86	1450376	10.1	
180 Di-n-octyl phthalate	149	13.351	13.350	0.001	99	1587043	9.79	
182 Benzo[b]fluoranthene	252	13.997	14.002	-0.005	79	1301678	9.43	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
183 Benzo[k]fluoranthene	252	14.040	14.039	0.001	89	1430463	10.2	
184 Benzo[a]pyrene	252	14.505	14.509	-0.004	75	1148492	9.15	
188 Indeno[1,2,3-cd]pyrene	276	16.294	16.299	-0.005	81	1373559	9.88	
189 Dibenz(a,h)anthracene	278	16.326	16.325	0.001	64	1064149	9.89	
190 Benzo[g,h,i]perylene	276	16.764	16.769	-0.005	77	1147413	9.70	

QC Flag Legend

Review Flags
M - Manually Integrated

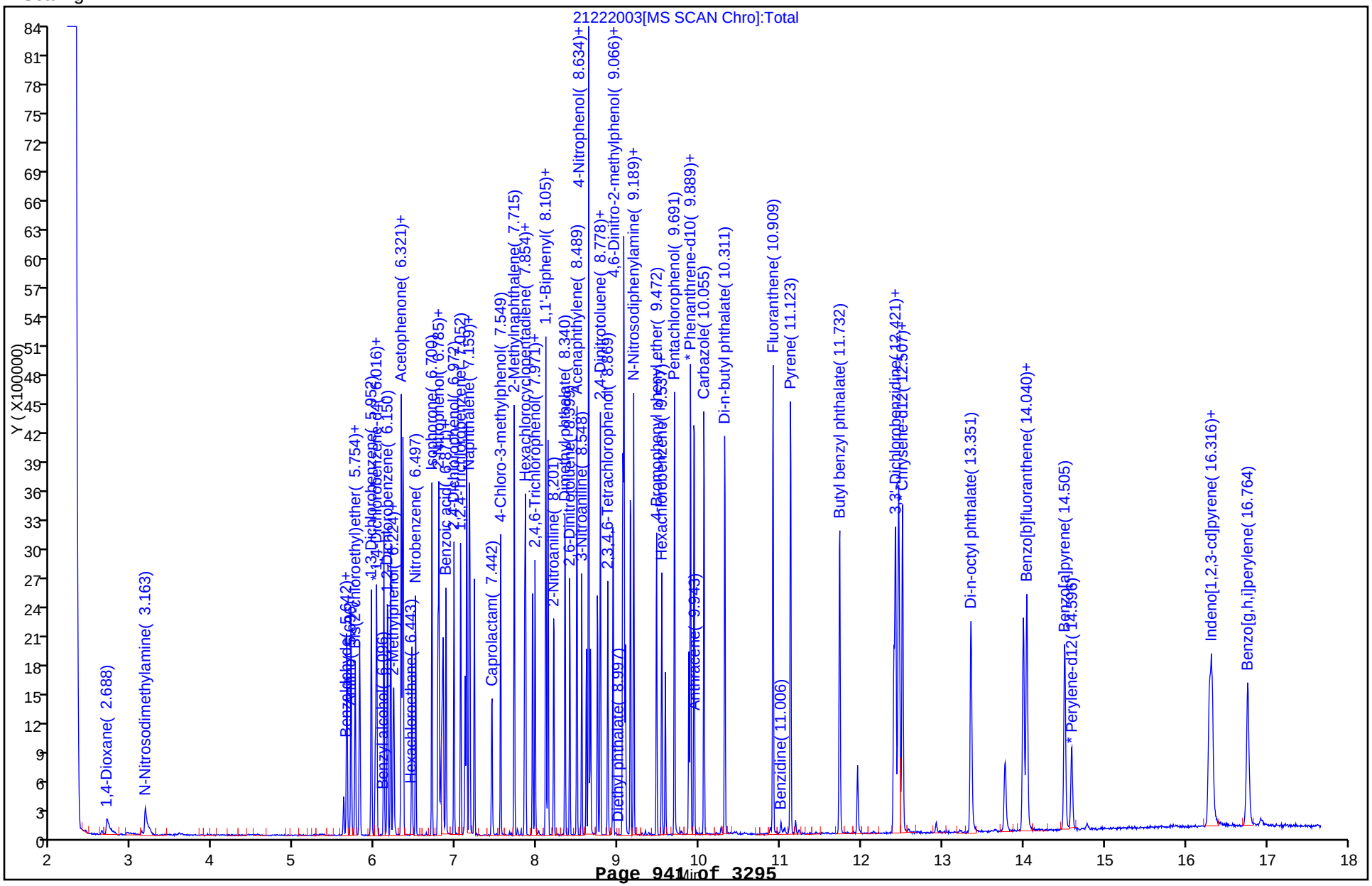
Report Date: 24-Dec-2012 10:24:19 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121222-16124.b\21222003.D

Injection Date:	22-Dec-2012 12:30:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69908	Lims Sample ID:	3
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-70566/2 Calibration Date: 12/29/2012 11:25

Instrument ID: A4HP9 Calib Start Date: 12/21/2012 13:40

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/21/2012 16:59

Lab File ID: 21229002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Ave	1.057	1.152	0.0500	10.9	10.0	9.0	20.0
Pyridine	Ave	1.883	1.990	0.0500	10.6	10.0	5.7	20.0
Phenol	Ave	2.227	2.318	0.0500	10.4	10.0	4.1	20.0
Bis(2-chloroethyl)ether	Ave	2.114	2.105	0.0500	9.96	10.0	-0.4	20.0
2-Chlorophenol	Ave	1.343	1.343	0.0500	9.99	10.0	-0.0	20.0
1,3-Dichlorobenzene	Ave	1.736	1.694	0.0500	9.76	10.0	-2.4	20.0
1,4-Dichlorobenzene	Ave	1.410	1.402	0.0500	9.94	10.0	-0.6	20.0
Benzyl alcohol	Ave	0.9903	1.029	0.0500	10.4	10.0	3.9	20.0
1,2-Dichlorobenzene	Ave	1.684	1.629	0.0500	9.68	10.0	-3.2	20.0
2-Methylphenol	Ave	1.461	1.503	0.0500	10.3	10.0	2.9	20.0
3 & 4 Methylphenol	Ave	1.532	1.564	0.0500	10.2	10.0	2.1	20.0
N-Nitrosodi-n-propylamine	Ave	1.380	1.440	0.0500	10.4	10.0	4.3	20.0
Hexachloroethane	Ave	0.7413	0.7543	0.0500	10.2	10.0	1.8	20.0
Nitrobenzene	Ave	0.6419	0.6454	0.0500	10.1	10.0	0.5	20.0
Isophorone	Ave	0.9811	1.005	0.0500	10.2	10.0	2.5	20.0
2-Nitrophenol	Qua		0.1807	0.0500	10.4	10.0	3.7	20.0
2,4-Dimethylphenol	Ave	0.4258	0.4413	0.0500	10.4	10.0	3.6	20.0
Benzoic acid	Qua		0.2102	0.0500	18.2	20.0	-8.8	20.0
Bis(2-chloroethoxy)methane	Ave	0.6654	0.6809	0.0500	10.2	10.0	2.3	20.0
2,4-Dichlorophenol	Ave	0.2599	0.2607	0.0500	10.0	10.0	0.3	20.0
1,2,4-Trichlorobenzene	Ave	0.3814	0.3710	0.0500	9.73	10.0	-2.7	20.0
Naphthalene	Ave	1.053	1.030	0.0500	9.78	10.0	-2.2	20.0
Hexachlorobutadiene	Ave	0.2118	0.2016	0.0500	9.52	10.0	-4.8	20.0
4-Chloro-3-methylphenol	Ave	0.3508	0.3616	0.0500	10.3	10.0	3.1	20.0
2-Methylnaphthalene	Ave	0.6956	0.6582	0.0500	9.46	10.0	-5.4	20.0
Hexachlorocyclopentadiene	Ave	0.3891	0.3699	0.0500	9.51	10.0	-4.9	20.0
2,4,6-Trichlorophenol	Ave	0.3354	0.3317	0.0500	9.89	10.0	-1.1	20.0
2,4,5-Trichlorophenol	Ave	0.3595	0.3490	0.0500	9.71	10.0	-2.9	20.0
2-Chloronaphthalene	Ave	1.315	1.190	0.0500	9.05	10.0	-9.5	20.0
2-Nitroaniline	Qua		0.4642	0.0500	10.4	10.0	3.6	20.0
Dimethyl phthalate	Ave	1.183	1.161	0.0500	9.82	10.0	-1.8	20.0
2,6-Dinitrotoluene	Qua		0.3093	0.0500	9.50	10.0	-5.0	20.0
Acenaphthylene	Ave	1.895	1.777	0.0500	9.37	10.0	-6.3	20.0
3-Nitroaniline	Ave	0.2833	0.2916	0.0500	10.3	10.0	2.9	20.0
Acenaphthene	Ave	1.208	1.139	0.0500	9.43	10.0	-5.7	20.0
2,4-Dinitrophenol	Qua		0.1759	0.0500	18.9	20.0	-5.5	20.0
4-Nitrophenol	Qua		0.1998	0.0500	9.41	10.0	-5.9	20.0
2,4-Dinitrotoluene	Qua		0.4215	0.0500	9.89	10.0	-1.1	20.0
Dibenzofuran	Ave	1.684	1.542	0.0500	9.16	10.0	-8.4	20.0
Diethyl phthalate	Ave	1.266	1.260	0.0500	9.95	10.0	-0.5	20.0
4-Chlorophenyl phenyl ether	Ave	0.7948	0.7550	0.0500	9.50	10.0	-5.0	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-70566/2 Calibration Date: 12/29/2012 11:25

Instrument ID: A4HP9 Calib Start Date: 12/21/2012 13:40

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/21/2012 16:59

Lab File ID: 21229002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Nitroaniline	Qua		0.3173	0.0500	9.43	10.0	-5.7	20.0
Fluorene	Ave	1.283	1.213	0.0500	9.45	10.0	-5.5	20.0
4,6-Dinitro-2-methylphenol	Qua		0.1259	0.0500	9.85	10.0	-1.5	20.0
N-Nitrosodiphenylamine	Ave	0.5510	0.5454	0.0500	9.90	10.0	-1.0	20.0
1,2-Diphenylhydrazine(as Azobenzene)	Ave	1.123	1.176	0.0500	10.5	10.0	4.8	20.0
4-Bromophenyl phenyl ether	Ave	0.2394	0.2474	0.0500	10.3	10.0	3.4	20.0
Hexachlorobenzene	Ave	0.2304	0.2315	0.0500	10.0	10.0	0.5	20.0
Pentachlorophenol	Qua		0.1370	0.0500	18.7	20.0	-6.5	20.0
Phenanthrene	Ave	1.112	1.057	0.0500	9.51	10.0	-4.9	20.0
Anthracene	Ave	1.098	1.101	0.0500	10.0	10.0	0.3	20.0
Carbazole	Ave	1.008	1.000	0.0500	9.92	10.0	-0.8	20.0
Di-n-butyl phthalate	Ave	1.243	1.277	0.0500	10.3	10.0	2.8	20.0
Fluoranthene	Ave	1.226	1.243	0.0500	10.1	10.0	1.4	20.0
Benzidine	Qua		0.5038	0.0500	9.67	10.0	-3.3	20.0
Pyrene	Ave	1.301	1.305	0.0500	10.0	10.0	0.3	20.0
Butyl benzyl phthalate	Ave	0.5049	0.5507	0.0500	10.9	10.0	9.1	20.0
3,3'-Dichlorobenzidine	Ave	0.4073	0.4350	0.0500	10.7	10.0	6.8	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.7356	0.7961	0.0500	10.8	10.0	8.2	20.0
Benzo[a]anthracene	Qua		1.175	0.0500	9.96	10.0	-0.4	20.0
Chrysene	Ave	1.120	1.077	0.0500	9.62	10.0	-3.8	20.0
Di-n-octyl phthalate	Qua		1.584	0.0500	10.1	10.0	0.8	20.0
Benzo[b]fluoranthene	Ave	1.334	1.255	0.0500	9.41	10.0	-5.9	20.0
Benzo[k]fluoranthene	Ave	1.355	1.359	0.0500	10.0	10.0	0.3	20.0
Benzo[a]pyrene	Ave	1.213	1.227	0.0500	10.1	10.0	1.1	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.344	1.342	0.0500	9.98	10.0	-0.2	20.0
Dibenz(a,h)anthracene	Ave	1.040	1.024	0.0500	9.84	10.0	-1.6	20.0
Benzo[g,h,i]perylene	Qua		1.122	0.0500	9.81	10.0	-1.9	20.0
2-Fluorophenol (Surr)	Ave	1.342	1.412	0.0500	10.5	10.0	5.2	20.0
Phenol-d5 (Surr)	Ave	1.980	2.041	0.0500	10.3	10.0	3.1	20.0
Nitrobenzene-d5 (Surr)	Ave	0.6113	0.6364	0.0500	10.4	10.0	4.1	20.0
2-Fluorobiphenyl (Surr)	Ave	1.603	1.475	0.0500	9.20	10.0	-8.0	20.0
2,4,6-Tribromophenol (Surr)	Qua		0.1467	0.0500	10.4	10.0	3.9	20.0
Terphenyl-d14 (Surr)	Ave	0.9057	0.8867	0.0500	9.79	10.0	-2.1	20.0

Report Date: 31-Dec-2012 10:35:59 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121229-16269.b\21229002.D
Lims ID: ccv tcl Client ID:
Inject. Date: 29-Dec-2012 11:25:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: 240-0016269-002
Misc. Info.: CCV TCL =CCV TCL
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 2
Lims Batch ID: 70566 Lims Sample ID: 2
Sublist: chrom-8270 _9*sub13
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121229-16269.b\8270 _9.m
Last Update: 31-Dec-2012 10:35:58 Calib Date: 21-Dec-2012 20:45:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221019.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK007

First Level Reviewer: ulmanm Date: 29-Dec-2012 12:02:32

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.918	5.918	0.0	89	110801	4.00	
* 2 Naphthalene-d8	136	7.034	7.034	0.0	99	429454	4.00	
* 3 Acenaphthene-d10	164	8.525	8.525	0.0	82	260026	4.00	
* 4 Phenanthrene-d10	188	9.786	9.786	0.0	92	441235	4.00	
* 5 Chrysene-d12	240	12.339	12.339	0.0	80	438762	4.00	
* 6 Perylene-d12	264	14.412	14.412	0.0	88	367057	4.00	
$ 7 2-Fluorophenol	112	4.673	4.673	0.0	94	391131	10.5	
$ 8 Phenol-d5	99	5.571	5.571	0.0	0	565310	10.3	
$ 9 Nitrobenzene-d5	82	6.404	6.404	0.0	84	683218	10.4	
$ 10 2-Fluorobiphenyl (Surr)	172	7.943	7.943	0.0	99	958556	9.20	
$ 11 2,4,6-Tribromophenol	330	9.193	9.193	0.0	81	95349	10.4	
$ 12 Terphenyl-d14	244	11.143	11.143	0.0	97	972652	9.79	
25 1,4-Dioxane	88	2.456	2.456	0.0	90	206698	10.7	M
26 N-Nitrosodimethylamine	74	2.921	2.921	0.0	79	319220	10.9	M
27 Pyridine	79	2.974	2.974	0.0	91	551106	10.6	M
28 Ethyl methacrylate	69	3.632	3.632	0.0	81	465040	10.3	M
29 3-Chloropropionitrile	54	4.011	4.011	0.0	86	271377	10.7	M
33 Malononitrile	66	4.374	4.374	0.0	93	662733	11.5	
41 Benzaldehyde	77	5.523	5.523	0.0	85	509770	10.6	
43 Phenol	94	5.581	5.581	0.0	98	642191	10.4	
44 Aniline	93	5.619	5.619	0.0	96	795907	10.4	
69 Bis(2-chloroethyl)ether	93	5.672	5.672	0.0	95	583219	9.96	
46 2-Chlorophenol	128	5.731	5.731	0.0	93	371915	10.0	
47 1,3-Dichlorobenzene	146	5.870	5.870	0.0	87	469272	9.76	
48 1,4-Dichlorobenzene	146	5.934	5.934	0.0	81	388362	9.94	
49 Benzyl alcohol	108	6.030	6.030	0.0	85	285097	10.4	
50 1,2-Dichlorobenzene	146	6.073	6.073	0.0	89	451350	9.68	
51 2-Methylphenol	108	6.126	6.126	0.0	96	416233	10.3	
53 2,2'-oxybis[1-chloropropane]	45	6.153	6.153	0.0	93	613459	10.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
21 3 & 4 Methylphenol	108	6.255	6.255	0.0	94	433315	10.2	
57 N-Nitrosodi-n-propylamine	70	6.265	6.265	0.0	77	398757	10.4	
58 Acetophenone	105	6.271	6.271	0.0	91	628478	10.1	
61 Hexachloroethane	117	6.372	6.372	0.0	89	208951	10.2	
62 Nitrobenzene	77	6.420	6.420	0.0	76	692907	10.1	
64 Isophorone	82	6.623	6.623	0.0	95	1079380	10.2	
66 2-Nitrophenol	139	6.698	6.698	0.0	90	194054	10.4	
67 1,3,5-Trichlorobenzene	180	6.709	6.709	0.0	88	406595	9.70	
65 2,4-Dimethylphenol	107	6.719	6.719	0.0	99	473797	10.4	
71 Benzoic acid	122	6.789	6.789	0.0	85	451419	18.2	M
70 Bis(2-chloroethoxy)methane	93	6.799	6.799	0.0	92	731083	10.2	
73 2,4-Dichlorophenol	162	6.906	6.906	0.0	95	279895	10.0	
74 1,2,4-Trichlorobenzene	180	6.981	6.981	0.0	87	398364	9.73	
75 Naphthalene	128	7.051	7.051	0.0	97	1106164	9.78	
76 4-Chloroaniline	127	7.088	7.088	0.0	81	461243	10.2	
79 Hexachlorobutadiene	225	7.147	7.147	0.0	89	216463	9.52	
80 1,2,3-Trichlorobenzene	180	7.173	7.173	0.0	86	374206	0	
84 Caprolactam	113	7.371	7.371	0.0	79	140909	10.9	
86 4-Chloro-3-methylphenol	107	7.483	7.483	0.0	86	388237	10.3	
87 2-Methylnaphthalene	142	7.638	7.638	0.0	85	706701	9.46	
88 1-Methylnaphthalene	142	7.724	7.724	0.0	81	681924	9.73	
89 Hexachlorocyclopentadiene	237	7.766	7.766	0.0	66	240447	9.51	
90 1,2,3,5-Tetrachlorobenzene	216	7.766	7.766	0.0	88	410383	9.52	
92 2,4,6-Trichlorophenol	196	7.873	7.873	0.0	91	215618	9.89	
93 2,4,5-Trichlorophenol	196	7.905	7.905	0.0	90	226874	9.71	
97 2,4-Toluene diamine	121	8.012	8.012	0.0	97	192469	9.17	
99 1,2,3,4 -Tetrachlorobenzene	216	8.023	8.023	0.0	92	397558	0	
98 1,1'-Biphenyl	154	8.028	8.028	0.0	95	891857	9.16	
100 2-Chloronaphthalene	162	8.055	8.055	0.0	97	773606	9.05	
102 2-Nitroaniline	65	8.130	8.130	0.0	72	301781	10.4	
105 Dimethyl phthalate	163	8.269	8.269	0.0	94	754828	9.82	
107 2,6-Dinitrotoluene	165	8.327	8.327	0.0	77	201038	9.50	
108 1,2-Dinitrobenzene	168	8.375	8.375	0.0	83	106528	10.1	
109 Acenaphthylene	152	8.413	8.413	0.0	92	1154896	9.37	
110 3-Nitroaniline	138	8.477	8.477	0.0	86	189534	10.3	
112 Acenaphthene	153	8.557	8.557	0.0	92	740351	9.43	
111 2,4-Dinitrophenol	184	8.562	8.562	0.0	80	228710	18.9	
113 4-Nitrophenol	109	8.600	8.600	0.0	92	129895	9.41	
114 2,4-Dinitrotoluene	165	8.669	8.669	0.0	83	273974	9.89	
116 Dibenzofuran	168	8.701	8.701	0.0	85	1002496	9.16	
118 2,3,5,6-Tetrachlorophenol	232	8.760	8.760	0.0	85	191212	9.52	
121 Diethyl phthalate	149	8.856	8.856	0.0	95	819076	9.95	
123 4-Chlorophenyl phenyl ether	204	8.974	8.974	0.0	94	490826	9.50	
125 4-Nitroaniline	138	8.990	8.990	0.0	67	206258	9.43	
126 Fluorene	166	8.990	8.990	0.0	78	788338	9.45	
128 4,6-Dinitro-2-methylphenol	198	9.011	9.011	0.0	69	138821	9.85	
131 N-Nitrosodiphenylamine	169	9.070	9.070	0.0	94	601630	9.90	
133 Azobenzene	77	9.107	9.107	0.0	94	1297686	10.5	
132 1,2-Diphenylhydrazine	77	9.107	9.107	0.0	99	1297686	10.5	
139 4-Bromophenyl phenyl ether	248	9.390	9.390	0.0	66	272949	10.3	
141 Hexachlorobenzene	284	9.454	9.454	0.0	88	255313	10.0	
142 Atrazine	200	9.503	9.503	0.0	84	178301	10.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	9.615	9.615	0.0	82	302196	18.7	
148 Phenanthrene	178	9.807	9.807	0.0	97	1166244	9.51	
149 Anthracene	178	9.850	9.850	0.0	87	1214976	10.0	
151 Carbazole	167	9.978	9.978	0.0	82	1103262	9.92	
154 Di-n-butyl phthalate	149	10.229	10.229	0.0	100	1408930	10.3	
159 Fluoranthene	202	10.817	10.817	0.0	99	1371227	10.1	
160 Benzidine	184	10.913	10.913	0.0	85	552642	9.67	
161 Pyrene	202	11.025	11.025	0.0	94	1431694	10.0	
168 Butyl benzyl phthalate	149	11.618	11.618	0.0	92	604058	10.9	
172 3,3'-Dimethoxybenzidine	244	12.227	12.227	0.0	89	313512	9.92	
175 3,3'-Dichlorobenzidine	252	12.270	12.270	0.0	69	477120	10.7	
174 4,4'-Methylene bis(2-chloroanili	231	12.270	12.270	0.0	70	246178	9.83	
173 Bis(2-ethylhexyl) phthalate	149	12.291	12.291	0.0	95	873204	10.8	
177 Benzo[a]anthracene	228	12.323	12.323	0.0	85	1289388	9.96	
178 Chrysene	228	12.371	12.371	0.0	86	1181568	9.62	
180 Di-n-octyl phthalate	149	13.199	13.199	0.0	99	1453282	10.1	
182 Benzo[b]fluoranthene	252	13.830	13.830	0.0	85	1151722	9.41	
183 Benzo[k]fluoranthene	252	13.872	13.872	0.0	85	1246977	10.0	
184 Benzo[a]pyrene	252	14.332	14.332	0.0	75	1125662	10.1	
188 Indeno[1,2,3-cd]pyrene	276	16.073	16.073	0.0	81	1231439	9.98	
189 Dibenz(a,h)anthracene	278	16.105	16.105	0.0	60	939381	9.84	
190 Benzo[g,h,i]perylene	276	16.527	16.527	0.0	77	1029931	9.81	
S 191 Methyl Phenols,Total	100				0		20.5	

QC Flag Legend

Review Flags
M - Manually Integrated

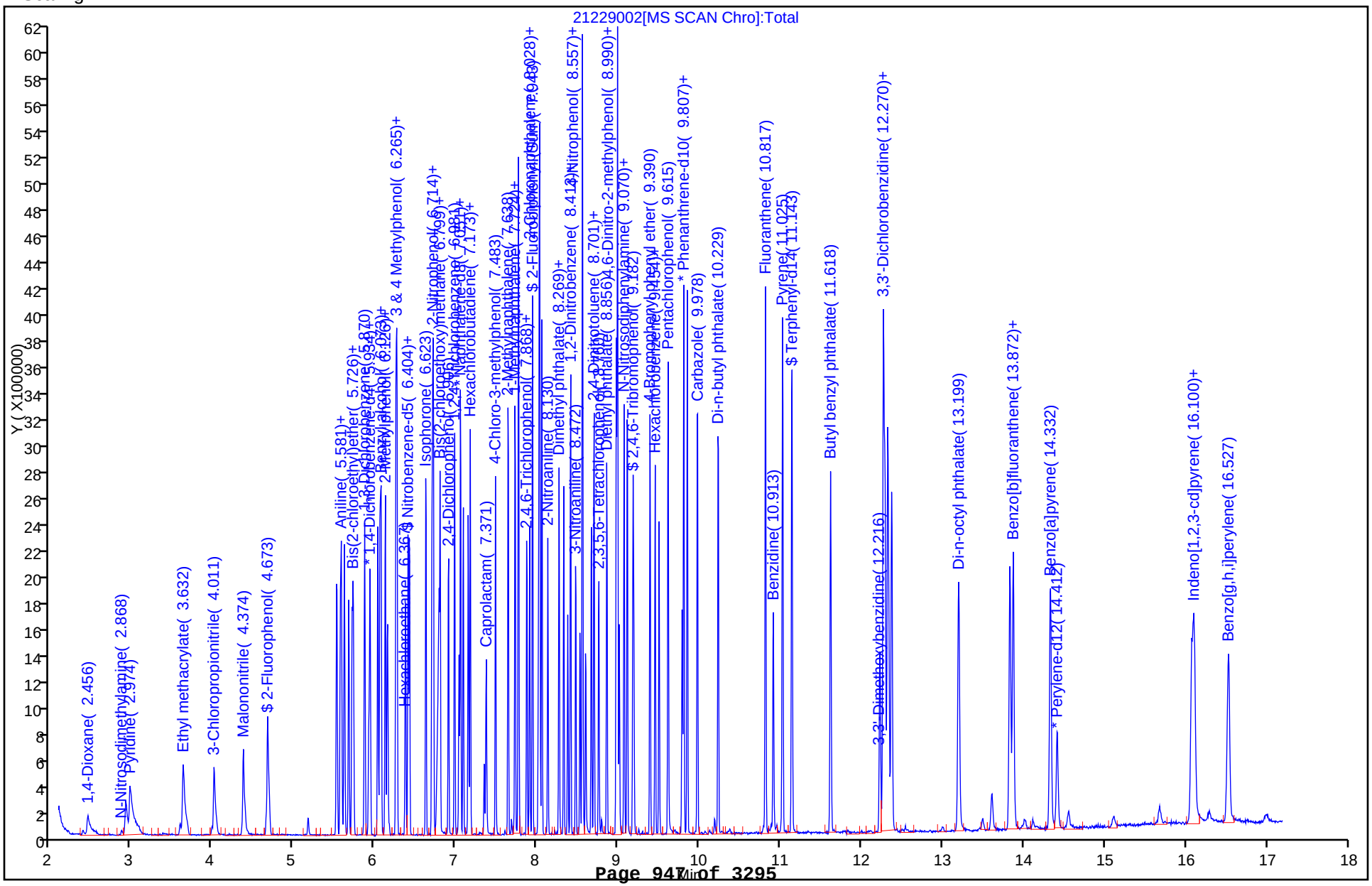
Report Date: 31-Dec-2012 10:35:59 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121229-16269.b\21229002.D

Injection Date:	29-Dec-2012 11:25:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	70566	Lims Sample ID:	2
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

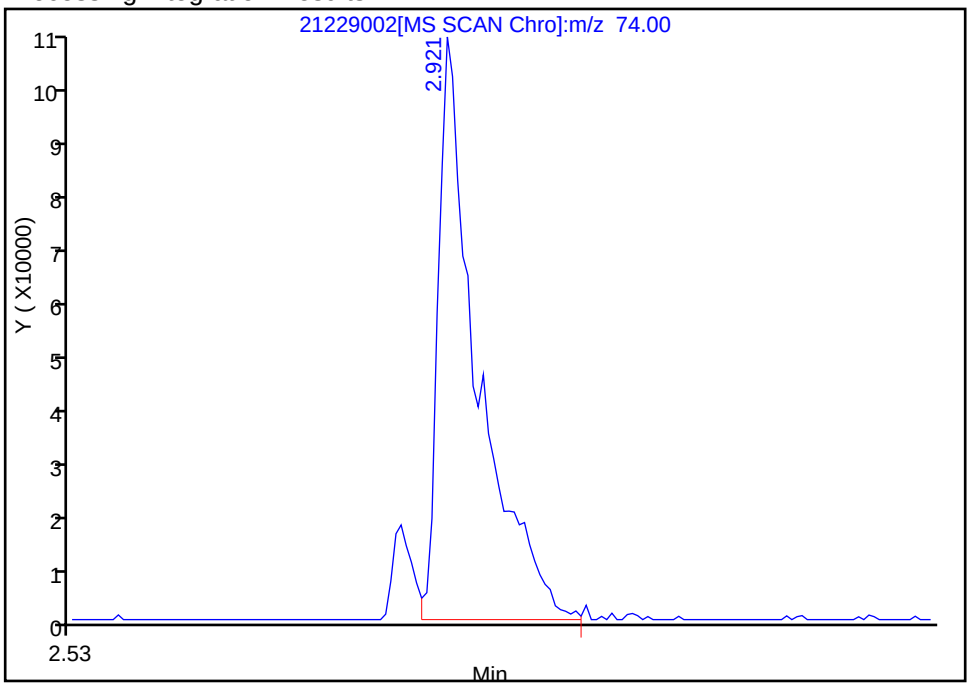
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121229-16269.b\21229002.D		
Injection Date:	29-Dec-2012 11:25:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	70566	Lims Sample ID:	2
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

26 N-Nitrosodimethylamine, Signal: 1, m/z: 74.0 Type: quant, RT: 2.92

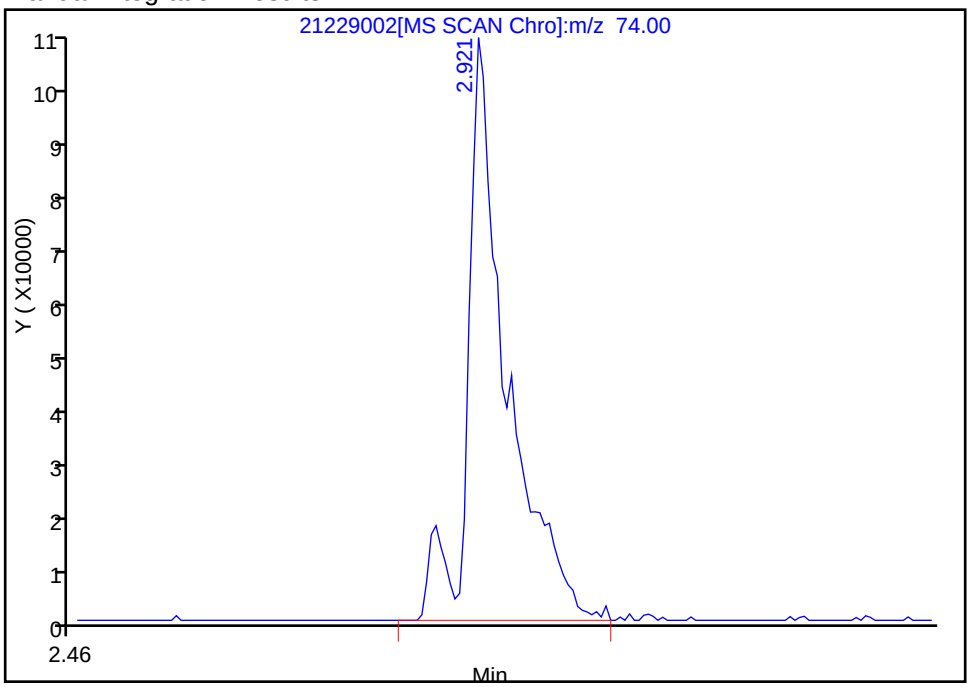
Processing Integration Results

RT: 2.92
Response: 295921
Amount: 10.105814



Manual Integration Results

RT: 2.92
Response: 319220
Amount: 10.901483



Reviewer: ulmanm, 29-Dec-2012 12:02:32
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

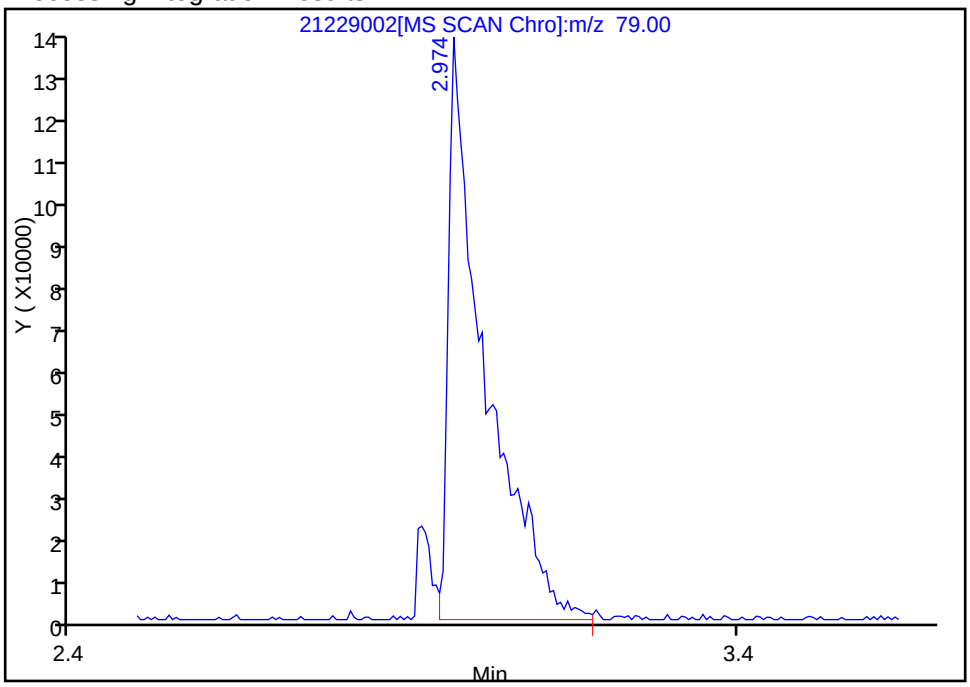
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121229-16269.b\21229002.D		
Injection Date:	29-Dec-2012 11:25:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	70566	Lims Sample ID:	2
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

27 Pyridine, Signal: 1, m/z: 79.0 Type: quant, RT: 2.97

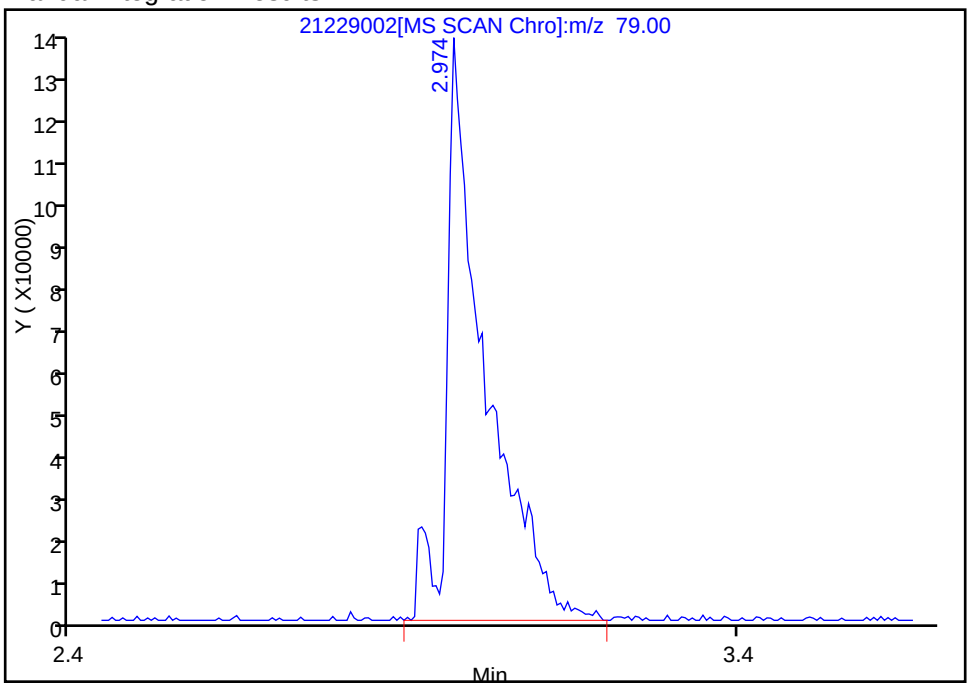
Processing Integration Results

RT: 2.97
Response: 518367
Amount: 9.938473



Manual Integration Results

RT: 2.97
Response: 551106
Amount: 10.566167



Reviewer: ulmanm, 29-Dec-2012 12:02:32
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

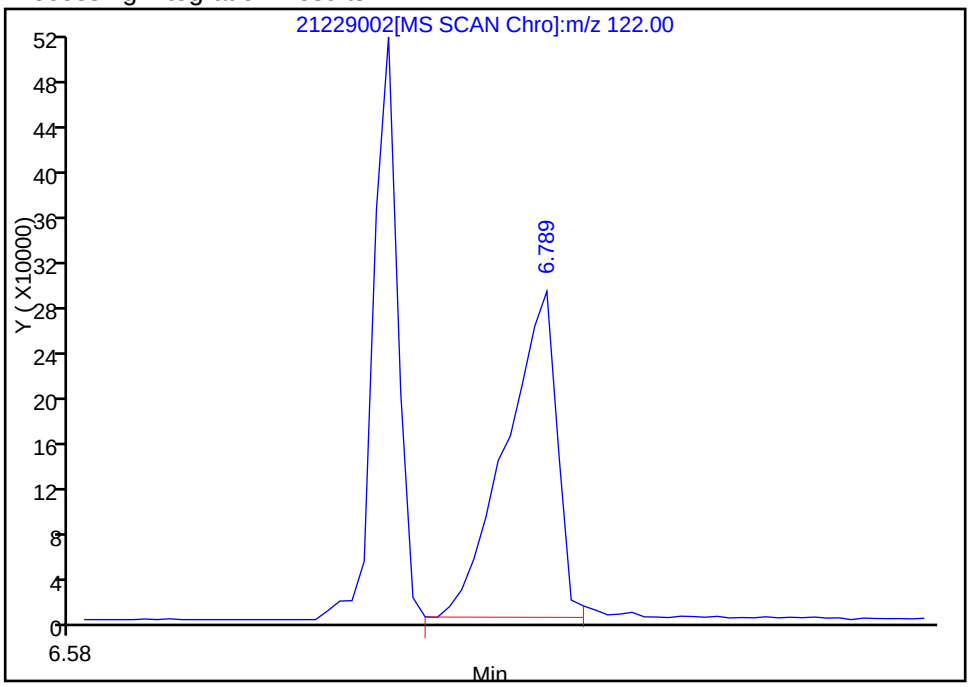
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121229-16269.b\21229002.D		
Injection Date:	29-Dec-2012 11:25:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	70566	Lims Sample ID:	2
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

71 Benzoic acid, Signal: 1, m/z: 122.0 Type: quant, RT: 6.79

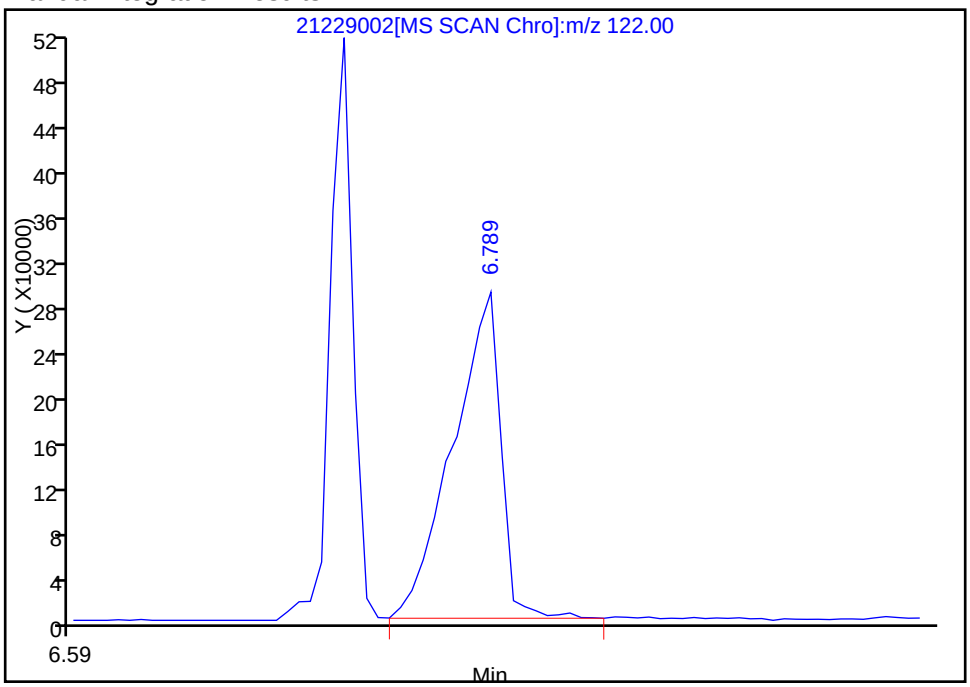
Processing Integration Results

RT: 6.79
Response: 444846
Amount: 18.000796



Manual Integration Results

RT: 6.79
Response: 451419
Amount: 18.237980



Reviewer: ulmanm, 29-Dec-2012 12:02:32
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: mdll1 Calibration Date: 12/29/2012 17:09

Instrument ID: A4HP9 Calib Start Date: 12/21/2012 13:40

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/21/2012 16:59

Lab File ID: 21229014.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.053			0.142	0.100		
2-Methylnaphthalene	Ave	0.6956			0.140	0.100		
2-Chloronaphthalene	Ave	1.315			0.158	0.100		
Acenaphthylene	Ave	1.895			0.116	0.100		
Acenaphthene	Ave	1.208			0.163	0.100		
Fluorene	Ave	1.283			0.133	0.100		
Hexachlorobenzene	Ave	0.2304			0.0885	0.100		
Phenanthrene	Ave	1.112			0.127	0.100		
Anthracene	Ave	1.098			0.139	0.100		
Fluoranthene	Ave	1.226			0.126	0.100		
Pyrene	Ave	1.301			0.138	0.100		
Benzo[a]anthracene	Qua				0.227	0.100		
Chrysene	Ave	1.120			0.134	0.100		
Benzo[b]fluoranthene	Ave	1.334			0.115	0.100		
Benzo[k]fluoranthene	Ave	1.355			0.144	0.100		
Benzo[a]pyrene	Ave	1.213			0.135	0.100		
Indeno[1,2,3-cd]pyrene	Ave	1.344			0.142	0.100		
Dibenz(a,h)anthracene	Ave	1.040			0.112	0.100		
Benzo[g,h,i]perylene	Qua				0.273	0.100		
1,2,4-Trichlorobenzene	Ave	0.3814			0.000800	0.100		
1,2-Dichlorobenzene	Ave	1.684			0.000800	0.100		
1,2-Diphenylhydrazine(as Azobenzene)	Ave	1.123			0.000800	0.100		
1,3-Dichlorobenzene	Ave	1.736			0.000800	0.100		
1,4-Dichlorobenzene	Ave	1.410			0.000800	0.100		
2,4,5-Trichlorophenol	Ave	0.3595			0.000800	0.100		
2,4,6-Trichlorophenol	Ave	0.3354			0.000800	0.100		
2,4-Dichlorophenol	Ave	0.2599			0.000800	0.100		
2,4-Dimethylphenol	Ave	0.4258			0.000800	0.100		
2,4-Dinitrophenol	Qua				0.00240	0.200		
2,4-Dinitrotoluene	Qua				0.000800	0.100		
2,6-Dinitrotoluene	Qua				0.000800	0.100		
2-Chlorophenol	Ave	1.343			0.000800	0.100		
2-Methylphenol	Ave	1.461			0.000800	0.100		
2-Nitroaniline	Qua				0.000800	0.100		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: mdll1 Calibration Date: 12/29/2012 17:09

Instrument ID: A4HP9 Calib Start Date: 12/21/2012 13:40

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/21/2012 16:59

Lab File ID: 21229014.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Nitrophenol	Qua				0.000800	0.100		
3 & 4 Methylphenol	Ave	1.532			0.000800	0.100		
3,3'-Dichlorobenzidine	Ave	0.4073			0.000800	0.100		
3-Nitroaniline	Ave	0.2833			0.000800	0.100		
4,6-Dinitro-2-methylphenol	Qua				0.00240	0.100		
4-Bromophenyl phenyl ether	Ave	0.2394			0.000800	0.100		
4-Chloro-3-methylphenol	Ave	0.3508			0.000800	0.100		
4-Chlorophenyl phenyl ether	Ave	0.7948			0.000800	0.100		
4-Nitroaniline	Qua				0.000800	0.100		
4-Nitrophenol	Qua				0.00240	0.100		
Benzidine	Qua				0.00240	0.100		
Benzoic acid	Qua				0.0100	0.200		
Benzyl alcohol	Ave	0.9903			0.000800	0.100		
Bis(2-chloroethoxy)methane	Ave	0.6654			0.000800	0.100		
Bis(2-chloroethyl)ether	Ave	2.114			0.000100	0.100		
Bis(2-ethylhexyl) phthalate	Ave	0.7356			0.000800	0.100		
Butyl benzyl phthalate	Ave	0.5049			0.000800	0.100		
Carbazole	Ave	1.008			0.000800	0.100		
Dibenzofuran	Ave	1.684			0.000100	0.100		
Diethyl phthalate	Ave	1.266			0.000800	0.100		
Dimethyl phthalate	Ave	1.183			0.000800	0.100		
Di-n-butyl phthalate	Ave	1.243			0.000800	0.100		
Di-n-octyl phthalate	Qua				0.000800	0.100		
Hexachlorobutadiene	Ave	0.2118			0.000800	0.100		
Hexachlorocyclopentadiene	Ave	0.3891			0.000800	0.100		
Hexachloroethane	Ave	0.7413			0.000800	0.100		
Isophorone	Ave	0.9811			0.000800	0.100		
Nitrobenzene	Ave	0.6419			0.000100	0.100		
N-Nitrosodimethylamine	Ave	1.057			0.000800	0.100		
N-Nitrosodi-n-propylamine	Ave	1.380			0.000800	0.100		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: mdll1 Calibration Date: 12/29/2012 17:09

Instrument ID: A4HP9 Calib Start Date: 12/21/2012 13:40

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/21/2012 16:59

Lab File ID: 21229014.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodiphenylamine	Ave	0.5510			0.000800	0.100		
Pentachlorophenol	Qua				0.00240	0.200		
Phenol	Ave	2.227			0.000800	0.100		
Pyridine	Ave	1.883			0.000800	0.100		
Nitrobenzene-d5 (Surr)	Ave	0.6113			0.136	0.100	136*	29-111
2-Fluorobiphenyl (Surr)	Ave	1.603			0.149	0.100	149*	22-110
Terphenyl-d14 (Surr)	Ave	0.9057			0.131	0.100	131*	40-119
2,4,6-Tribromophenol (Surr)	Qua				0.000000	0.100	0*	17-117
2-Fluorophenol (Surr)	Ave	1.342			0.000000	0.100	0*	10-110
Phenol-d5 (Surr)	Ave	1.980			0.000000	0.100	0*	10-110

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121229-16269.b\21229014.D
Lims ID: mdll1 Client ID:
Inject. Date: 29-Dec-2012 17:09:30 Dil. Factor: 1.0000
Sample Type: LODV
Sample ID: 240-0016269-014
Misc. Info.: MDLL1 =MDLL1
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 14
Lims Batch ID: 70566 Lims Sample ID: 14
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121229-16269.b\8270 _9.m
Last Update: 31-Dec-2012 12:20:56 Calib Date: 21-Dec-2012 20:45:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221019.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK007

First Level Reviewer: ulmanm Date: 31-Dec-2012 09:45:37

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.920	5.918	0.002	94	123500	4.00	
* 2 Naphthalene-d8	136	7.031	7.034	-0.003	99	455833	4.00	
* 3 Acenaphthene-d10	164	8.527	8.525	0.002	93	266092	4.00	
* 4 Phenanthrene-d10	188	9.788	9.786	0.002	96	484249	4.00	
* 5 Chrysene-d12	240	12.336	12.339	-0.003	76	465230	4.00	
* 6 Perylene-d12	264	14.409	14.412	-0.003	83	362548	4.00	
$ 7 2-Fluorophenol	112		4.673					9
$ 8 Phenol-d5	99		5.571					
$ 9 Nitrobenzene-d5	82	6.406	6.404	0.002	52	9475	0.1360	
$ 10 2-Fluorobiphenyl (Surr)	172	7.939	7.943	-0.004	61	15841	0.1485	
$ 11 2,4,6-Tribromophenol	330		9.193					
$ 12 Terphenyl-d14	244	11.139	11.143	-0.004	48	13785	0.1309	
23 2,5-Dichlorophenol	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
20 Dimethylformamide	1		0.000					
22 Bis(2-hydroxyphenyl)methane	1		0.000					
19 Octachlorostyrene	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
13 Octachlorocyclopentene	1		0.000					
25 1,4-Dioxane	88		2.456					9
35 Acrylamide	71		2.744					
26 N-Nitrosodimethylamine	74		2.921					9
27 Pyridine	79		2.974					9
42 Phenylmercaptan	110		3.596					
28 Ethyl methacrylate	69		3.632					9
232 1-Methyl-2-pyrrilidinone	99		3.880					
29 3-Chloropropionitrile	54		4.011					9
31 2-Picoline	93		4.068					
52 Indene	115		4.084					
32 N-Nitrosomethylethylamine	88		4.212					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
33 Malononitrile	66		4.374					
17 4-Chlorophenol	128		4.500					
34 Methyl methanesulfonate	80		4.532					
30 3-Picoline	93		4.591					9
24 Catechol	110		4.592					
233 n,n'-Dimethylacetamide	44		4.618					9
15 3-Methylcatechol	124		4.913					
36 N-Nitrosodiethylamine	102		4.944					
14 4-Methylcatechol	124		5.036					
81 Benzothiazole	135		5.046					
82 Quinoline	129		5.099					
37 Ethyl methanesulfonate	79		5.232					
38 2-Methylcyclohexanone	68		5.441					
39 3-Methylcyclohexanone	69		5.478					
41 Benzaldehyde	77		5.523					
40 4-Methylcyclohexanone	55		5.526					
43 Phenol	94		5.581					
44 Aniline	93		5.619					
69 Bis(2-chloroethyl)ether	93		5.672					
45 Pentachloroethane	167		5.697					
96 3,4-Dichloronitrobenzene	109		5.725					
46 2-Chlorophenol	128		5.731					9
101 Phenyl ether	170		5.773					
47 1,3-Dichlorobenzene	146		5.870					
48 1,4-Dichlorobenzene	146		5.934					
49 Benzyl alcohol	108		6.030					
50 1,2-Dichlorobenzene	146		6.073					9
51 2-Methylphenol	108		6.126					
53 2,2'-oxybis[1-chloropropane]	45		6.153					
21 3 & 4 Methylphenol	108		6.255					
57 N-Nitrosodi-n-propylamine	70		6.265					
58 Acetophenone	105		6.271					
56 N-Nitrosopyrrolidine	100		6.274					
59 N-Nitrosomorpholine	56		6.306					
60 2-Toluidine	106		6.327					9
61 Hexachloroethane	117		6.372					9
62 Nitrobenzene	77		6.420					
63 N-Nitrosopiperidine	114		6.578					
64 Isophorone	82		6.623					
66 2-Nitrophenol	139		6.698					9
67 1,3,5-Trichlorobenzene	180		6.709					
65 2,4-Dimethylphenol	107		6.719					
71 Benzoic acid	122		6.789					9
68 o,o',o''-Triethylphosphorothioat	198		6.798					
70 Bis(2-chloroethoxy)methane	93		6.799					
73 2,4-Dichlorophenol	162		6.906					9
72 alpha,alpha-Dimethyl phenethylam	58		6.920					
74 1,2,4-Trichlorobenzene	180		6.981					
75 Naphthalene	128	7.053	7.051	0.002	10	16990	0.1415	
76 4-Chloroaniline	127		7.088					9
77 2,6-Dichlorophenol	162		7.123					
79 Hexachlorobutadiene	225		7.147					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
78 Hexachloropropene	213		7.155					
80 1,2,3-Trichlorobenzene	180		7.173					9
84 Caprolactam	113		7.371					9
83 N-Nitrosodi-n-butylamine	84		7.385					9
85 p-Phenylene diamine	108		7.407					
86 4-Chloro-3-methylphenol	107		7.483					
94 Safrole, Total	162		7.577					
153 Diphenylsulfone	125		7.616					
87 2-Methylnaphthalene	142	7.640	7.638	0.002	54	11135	0.1405	
88 1-Methylnaphthalene	142	7.726	7.724	0.002	47	9943	0.1336	
89 Hexachlorocyclopentadiene	237		7.766					
90 1,2,3,5-Tetrachlorobenzene	216		7.766					9
91 1,2,4,5-Tetrachlorobenzene	216		7.807					9
225 Isosafrole Peak 1	162		7.823					
92 2,4,6-Trichlorophenol	196		7.873					9
93 2,4,5-Trichlorophenol	196		7.905					9
97 2,4-Toluene diamine	121		8.012					9
227 Isosafrole Peak 2	162		8.016					9
99 1,2,3,4 -Tetrachlorobenzene	216		8.023					9
98 1,1'-Biphenyl	154	8.030	8.028	0.002	61	12212	0.1226	
100 2-Chloronaphthalene	162	8.057	8.055	0.002	63	13823	0.1580	
102 2-Nitroaniline	65		8.130					9
103 1,4-Naphthoquinone	158		8.224					
104 1,4-Dinitrobenzene	168		8.267					
105 Dimethyl phthalate	163		8.269					
107 2,6-Dinitrotoluene	165		8.327					9
106 1,3-Dinitrobenzene	168		8.331					
108 1,2-Dinitrobenzene	168		8.375					
109 Acenaphthylene	152	8.409	8.413	-0.004	45	14655	0.1162	
110 3-Nitroaniline	138		8.477					9
112 Acenaphthene	153	8.554	8.557	-0.003	70	13072	0.1627	
111 2,4-Dinitrophenol	184		8.562					
113 4-Nitrophenol	109		8.600					9
114 2,4-Dinitrotoluene	165		8.669					9
115 Pentachlorobenzene	250		8.689					
116 Dibenzofuran	168		8.701					
118 2,3,5,6-Tetrachlorophenol	232		8.760					
117 1-Naphthylamine	143		8.790					
119 2,3,4,6-Tetrachlorophenol	232		8.822					
120 2-Naphthylamine	143		8.854					
121 Diethyl phthalate	149		8.856					
122 Thionazin	97		8.956					
123 4-Chlorophenyl phenyl ether	204		8.974					
125 4-Nitroaniline	138		8.990					9
126 Fluorene	166	8.986	8.990	-0.004	73	11362	0.1331	
128 4,6-Dinitro-2-methylphenol	198		9.011					
124 N-Nitro-o-toluidine	152		9.015					9
127 Tributyl phosphate	99		9.047					9
131 N-Nitrosodiphenylamine	169		9.070					
130 Diphenylamine	169		9.100					
133 Azobenzene	77		9.107					
132 1,2-Diphenylhydrazine	77		9.107					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
134 Sulfotepp	202		9.207					9
176 Hexabromobenzene	232		9.208					
135 1,3,5-Trinitrobenzene	213		9.298					
228 Diallate Peak 1	86		9.335					9
137 Phenacetin	108		9.340					
138 Phorate	121		9.346					
139 4-Bromophenyl phenyl ether	248		9.390					9
230 Diallate Peak 2	86		9.415					
141 Hexachlorobenzene	284	9.451	9.454	-0.003	48	2469	0.0885	
140 Dimethoate	87		9.490					
142 Atrazine	200		9.503					9
179 6-Methylchrysene	242		9.576					
143 Pentachlorophenol	266		9.615					9
129 4-Aminobiphenyl	169		9.640					
145 Pentachloronitrobenzene	237		9.650					
144 Pronamide	173		9.666					
147 Dinoseb	211		9.778					
146 Disulfoton	88		9.784					9
148 Phenanthrene	178	9.804	9.807	-0.003	80	17099	0.1271	
149 Anthracene	178	9.847	9.850	-0.004	63	18462	0.1389	
150 DFTPP								
151 Carbazole	167		9.978					9
152 Methyl parathion	109		10.104					9
154 Di-n-butyl phthalate	149		10.229					
155 Ethyl Parathion	97		10.425					
156 4-Nitroquinoline-1-oxide	190		10.478					
157 Methapyrilene	58		10.526					
158 Isodrin	66		10.719					
159 Fluoranthene	202	10.813	10.817	-0.004	59	18638	0.1256	
160 Benzidine	184		10.913					9
161 Pyrene	202	11.027	11.025	0.002	85	20835	0.1377	
166 4,4'-DDE	246		11.116					
226 Aramite Peak 1	185		11.130					
229 Aramite Peak 2	185		11.205					
163 p-Dimethylamino azobenzene	225		11.312					
164 Chlorobenzilate	139		11.344					
165 4,4'-DDD	235		11.450					
167 Famphur	218		11.605					
168 Butyl benzyl phthalate	149		11.618					9
169 3,3'-Dimethylbenzidine	212		11.664					
187 Dibenz[a,h]acridine	279		11.729					
170 4,4'-DDT	235		11.738					9
186 Dibenz[a,j]acridine	279		11.804					
171 2-Acetylaminofluorene	181		11.953					
172 3,3'-Dimethoxybenzidine	244		12.227					9
175 3,3'-Dichlorobenzidine	252		12.270					9
174 4,4'-Methylene bis(2-chloroanili	231		12.270					9
173 Bis(2-ethylhexyl) phthalate	149		12.291					
177 Benzo[a]anthracene	228	12.320	12.323	-0.003	31	19540	0.2269	
178 Chrysene	228	12.373	12.371	0.002	5	17398	0.1335	
180 Di-n-octyl phthalate	149		13.199					9
182 Benzo[b]fluoranthene	252	13.826	13.830	-0.004	60	13915	0.1151	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
181 7,12-Dimethylbenz(a)anthracene	256		13.871					
183 Benzo[k]fluoranthene	252	13.864	13.872	-0.008	29	17681	0.1439	
184 Benzo[a]pyrene	252	14.323	14.332	-0.009	34	14881	0.1353	
185 3-Methylcholanthrene	268		14.928					
188 Indeno[1,2,3-cd]pyrene	276	16.059	16.073	-0.014	80	17350	0.1424	M
189 Dibenz(a,h)anthracene	278	16.097	16.105	-0.008	0	10548	0.1119	M
190 Benzo[g,h,i]perylene	276	16.508	16.527	-0.019	0	16956	0.2730	M
S 191 Methyl Phenols,Total	100		0.000					7
S 95 Isosafrole	162		5.568					7
S 136 Diallate	86		6.701					7
S 162 Aramite, Total	185		8.271					7
T 195 Hydroquinone TIC	110		0.000					1
T 240 Trimethyl phosphate TIC	110		3.120					1
T 193 Hexamethylphosphoramide TIC	135		5.100					1
T 194 Decane TIC	142		5.800					
T 234 2-Isopropylphenol TIC	121		7.019					1
T 235 4-isopropylphenol TIC	121		7.173					1
T 236 3-isopropylphenol TIC	121		7.173					1
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		7.537					1
T 196 Kepone TIC	272		8.281					1
T 242 Triphenyl Phosphate TIC	326		8.700					1
T 238 2,3,7,8-TCDD TIC	1		9.000					1
T 197 Hexachlorophene TIC	198		9.269					1
T 241 Tricresyl phosphate TIC	368		9.372					1
T 192 Octadecane (TIC)	254		9.600					
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					1
T 231 2,3,7,8-TCDD	322		12.400					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

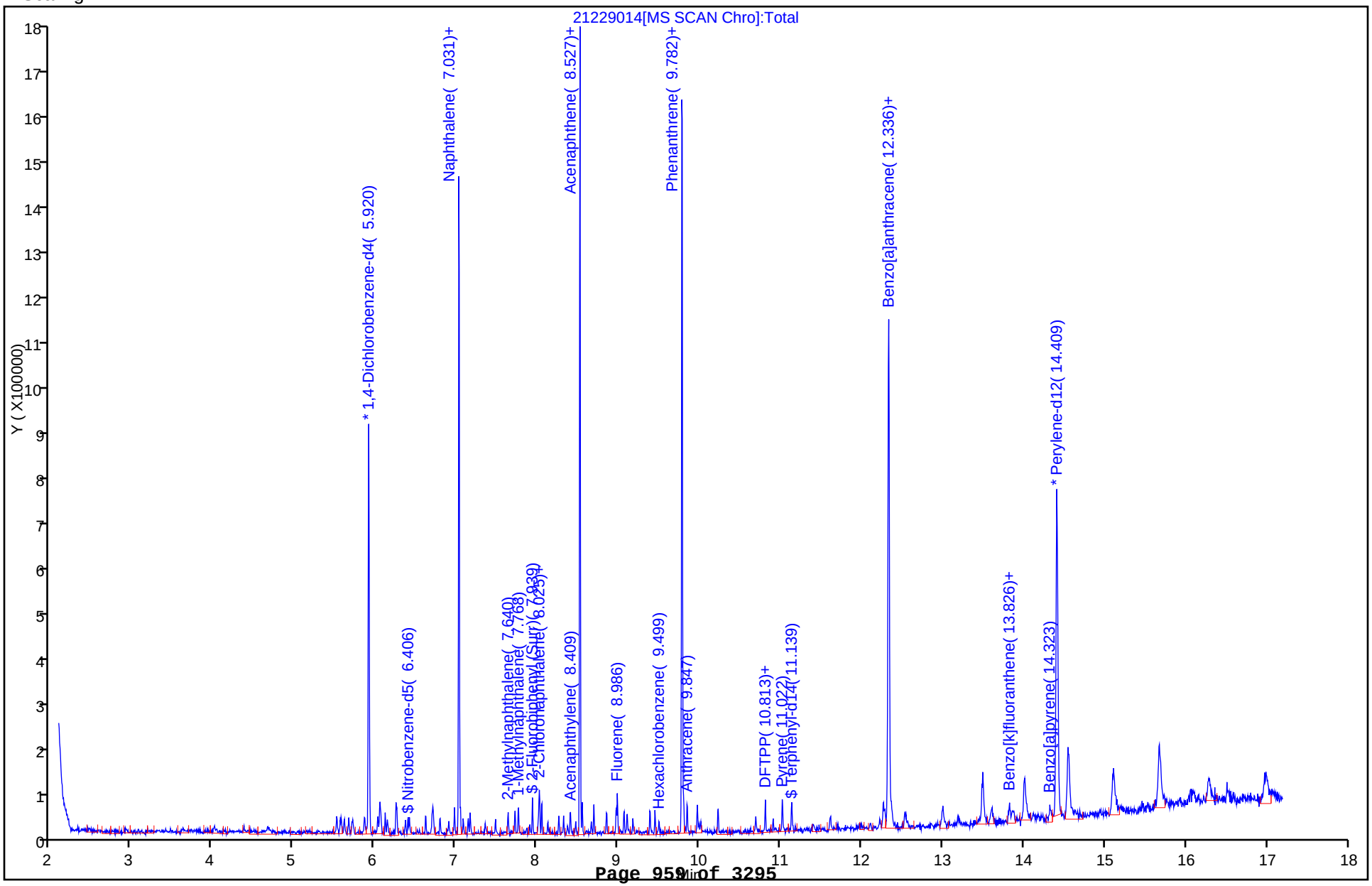
Report Date: 31-Dec-2012 12:21:06 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121229-16269.b\21229014.D

Injection Date:	29-Dec-2012 17:09:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	70566	Lims Sample ID:	14
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

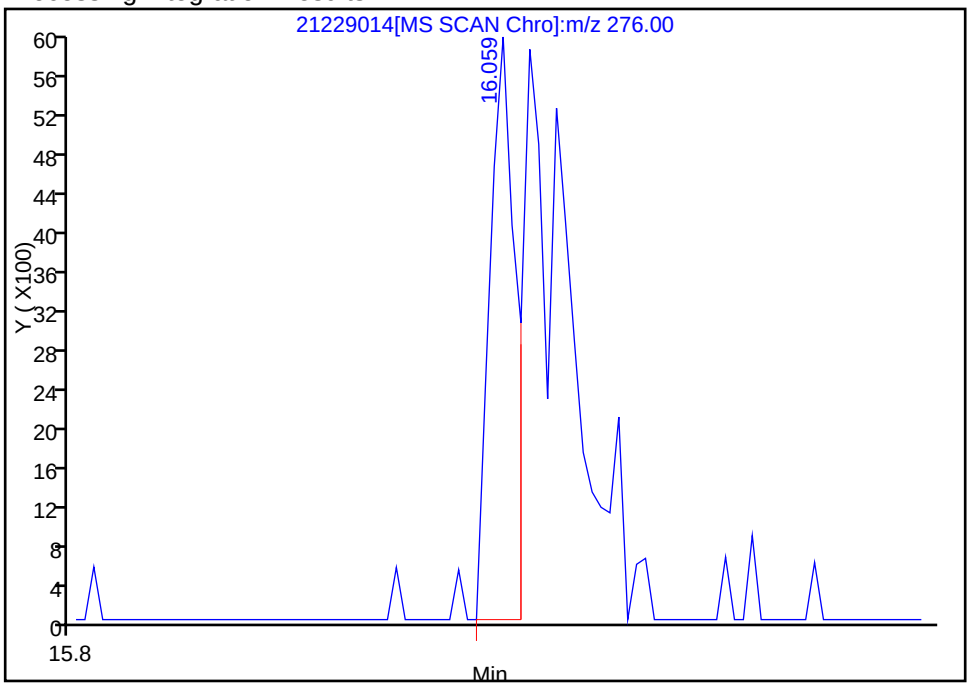
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121229-16269.b\21229014.D		
Injection Date:	29-Dec-2012 17:09:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	70566	Lims Sample ID:	14
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

188 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 16.07

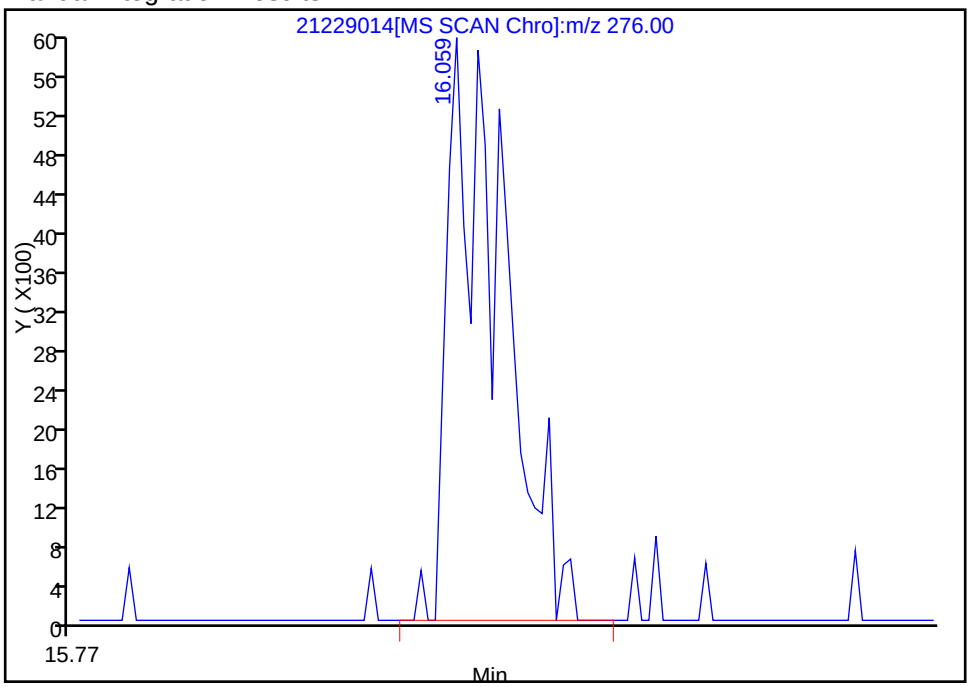
Processing Integration Results

RT: 16.06
Response: 6416
Amount: 0.052667



Manual Integration Results

RT: 16.06
Response: 17350
Amount: 0.142422



Reviewer: ulmanm, 31-Dec-2012 09:45:37
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

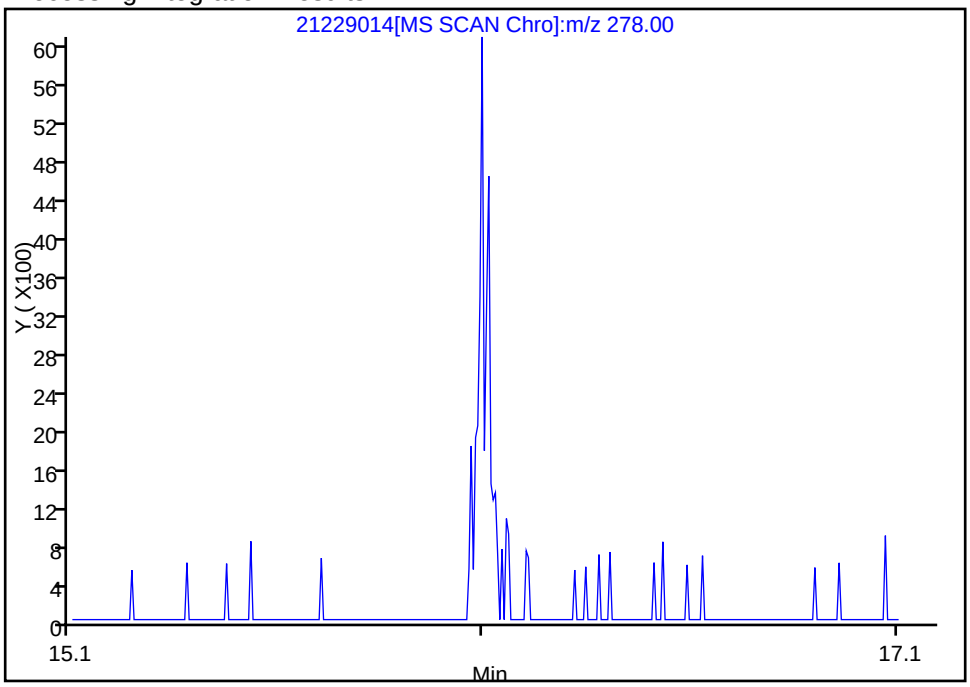
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121229-16269.b\21229014.D		
Injection Date:	29-Dec-2012 17:09:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	70566	Lims Sample ID:	14
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

189 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 16.11

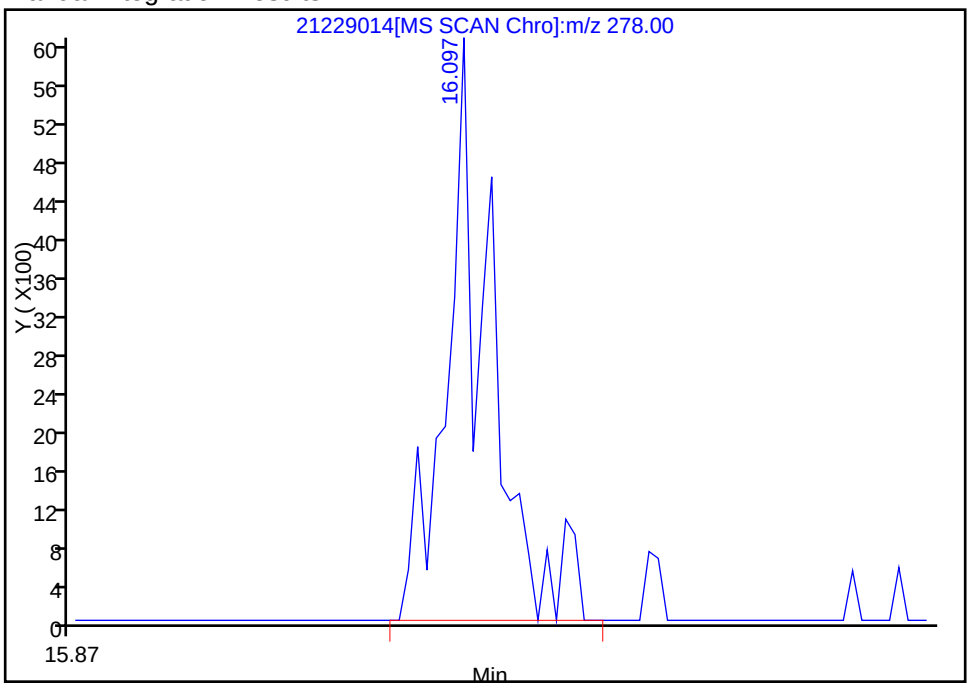
Not Detected
Expected RT: 16.11

Processing Integration Results



Manual Integration Results

RT: 16.10
Response: 10548
Amount: 0.111911



Reviewer: ulmanm, 31-Dec-2012 09:45:37
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

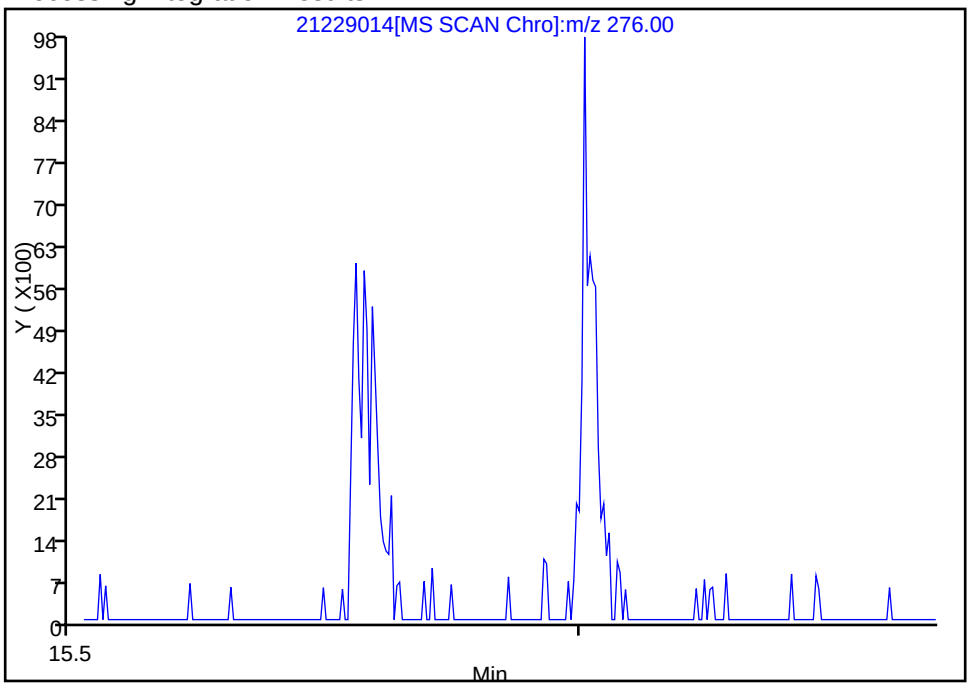
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121229-16269.b\21229014.D		
Injection Date:	29-Dec-2012 17:09:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	70566	Lims Sample ID:	14
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

190 Benzo[g,h,i]perylene, Signal: 1, m/z: 276.0 Type: quant, RT: 16.53

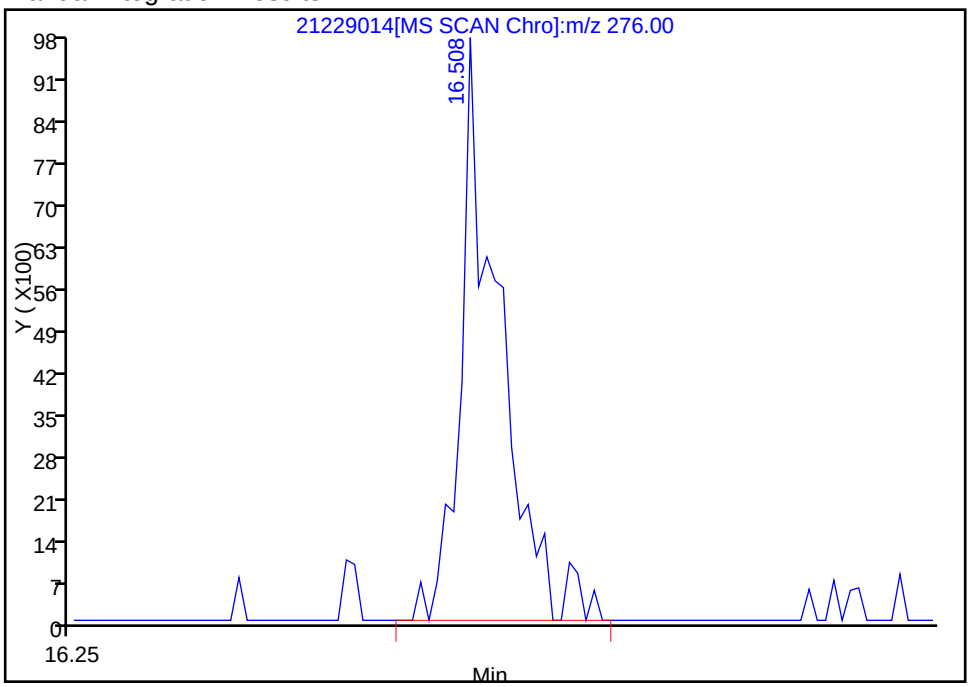
Processing Integration Results

Not Detected
Expected RT: 16.53



Manual Integration Results

RT: 16.51
Response: 16956
Amount: 0.272959



Reviewer: ulmanm, 31-Dec-2012 09:45:37
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: mdll2 Calibration Date: 12/29/2012 17:34

Instrument ID: A4HP9 Calib Start Date: 12/21/2012 13:40

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/21/2012 16:59

Lab File ID: 21229015.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Ave	1.057			0.594	0.500		
Pyridine	Ave	1.883			0.524	0.500		
Phenol	Ave	2.227			0.508	0.500		
Bis(2-chloroethyl)ether	Ave	2.114			0.468	0.500		
2-Chlorophenol	Ave	1.343			0.422	0.500		
1,3-Dichlorobenzene	Ave	1.736			0.517	0.500		
1,4-Dichlorobenzene	Ave	1.410			0.507	0.500		
Benzyl alcohol	Ave	0.9903			0.418	0.500		
1,2-Dichlorobenzene	Ave	1.684			0.533	0.500		
2-Methylphenol	Ave	1.461			0.499	0.500		
3 & 4 Methylphenol	Ave	1.532			0.493	0.500		
N-Nitrosodi-n-propylamine	Ave	1.380			0.501	0.500		
Hexachloroethane	Ave	0.7413			0.511	0.500		
Nitrobenzene	Ave	0.6419			0.505	0.500		
Isophorone	Ave	0.9811			0.425	0.500		
2-Nitrophenol	Qua				0.627	0.500		
2,4-Dimethylphenol	Ave	0.4258			0.496	0.500		
Bis(2-chloroethoxy)methane	Ave	0.6654			0.513	0.500		
2,4-Dichlorophenol	Ave	0.2599			0.469	0.500		
1,2,4-Trichlorobenzene	Ave	0.3814			0.542	0.500		
Hexachlorobutadiene	Ave	0.2118			0.471	0.500		
4-Chloro-3-methylphenol	Ave	0.3508			0.402	0.500		
Hexachlorocyclopentadiene	Ave	0.3891			0.254	0.500		
2,4,6-Trichlorophenol	Ave	0.3354			0.342	0.500		
2,4,5-Trichlorophenol	Ave	0.3595			0.324	0.500		
2-Nitroaniline	Qua				0.606	0.500		
Dimethyl phthalate	Ave	1.183			0.483	0.500		
2,6-Dinitrotoluene	Qua				0.726	0.500		
3-Nitroaniline	Ave	0.2833			0.449	0.500		
2,4-Dinitrotoluene	Qua				0.565	0.500		
Dibenzofuran	Ave	1.684			0.462	0.500		
Diethyl phthalate	Ave	1.266			0.427	0.500		
4-Chlorophenyl phenyl ether	Ave	0.7948			0.451	0.500		
4-Nitroaniline	Qua				0.727	0.500		
N-Nitrosodiphenylamine	Ave	0.5510			0.449	0.500		
1,2-Diphenylhydrazine(as Azobenzene)	Ave	1.123			0.470	0.500		
4-Bromophenyl phenyl ether	Ave	0.2394			0.474	0.500		
Carbazole	Ave	1.008			0.423	0.500		
Di-n-butyl phthalate	Ave	1.243			0.401	0.500		
Butyl benzyl phthalate	Ave	0.5049			0.434	0.500		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: mdll2 Calibration Date: 12/29/2012 17:34

Instrument ID: A4HP9 Calib Start Date: 12/21/2012 13:40

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/21/2012 16:59

Lab File ID: 21229015.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
3,3'-Dichlorobenzidine	Ave	0.4073			0.383	0.500		
Bis(2-ethylhexyl) phthalate	Ave	0.7356			0.374	0.500		
Di-n-octyl phthalate	Qua				0.590	0.500		
2,4-Dinitrophenol	Qua				0.00240	1.00		
2-Chloronaphthalene	Ave	1.315			0.000100	0.500		
2-Methylnaphthalene	Ave	0.6956			0.000100	0.500		
4,6-Dinitro-2-methylphenol	Qua				0.00240	0.500		
4-Nitrophenol	Qua				0.00240	0.500		
Acenaphthene	Ave	1.208			0.000100	0.500		
Acenaphthylene	Ave	1.895			0.000100	0.500		
Anthracene	Ave	1.098			0.000100	0.500		
Benzidine	Qua				0.00240	0.500		
Benzo[a]anthracene	Qua				0.000100	0.500		
Benzo[a]pyrene	Ave	1.213			0.000100	0.500		
Benzo[b]fluoranthene	Ave	1.334			0.000100	0.500		
Benzo[g,h,i]perylene	Qua				0.000100	0.500		
Benzo[k]fluoranthene	Ave	1.355			0.000100	0.500		
Benzoic acid	Qua				0.0100	1.00		
Chrysene	Ave	1.120			0.000100	0.500		
Dibenz(a,h)anthracene	Ave	1.040			0.000100	0.500		
Fluoranthene	Ave	1.226			0.000100	0.500		
Fluorene	Ave	1.283			0.000100	0.500		
Hexachlorobenzene	Ave	0.2304			0.000100	0.500		
Indeno[1,2,3-cd]pyrene	Ave	1.344			0.000100	0.500		
Naphthalene	Ave	1.053			0.000100	0.500		
Pentachlorophenol	Qua				0.00240	1.00		
Phenanthrene	Ave	1.112			0.000100	0.500		
Pyrene	Ave	1.301			0.000100	0.500		
2-Fluorophenol (Surr)	Ave	1.342			0.490	0.500	98	10-110
Phenol-d5 (Surr)	Ave	1.980			0.444	0.500	89	10-110
2,4,6-Tribromophenol (Surr)	Qua				0.298	0.500	60	17-117
2-Fluorobiphenyl (Surr)	Ave	1.603			0.000000	0.500	0*	22-110

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: mdll2 Calibration Date: 12/29/2012 17:34

Instrument ID: A4HP9 Calib Start Date: 12/21/2012 13:40

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/21/2012 16:59

Lab File ID: 21229015.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
Nitrobenzene-d5 (Surr)	Ave	0.6113			0.000000	0.500	0*	29-111
Terphenyl-d14 (Surr)	Ave	0.9057			0.000000	0.500	0*	40-119

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121229-16269.b\21229015.D
Lims ID: mdll2 Client ID:
Inject. Date: 29-Dec-2012 17:34:30 Dil. Factor: 1.0000
Sample Type: LODV
Sample ID: 240-0016269-015
Misc. Info.: MDLL2 =MDLL2
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 15
Lims Batch ID: 70566 Lims Sample ID: 15
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121229-16269.b\8270 _9.m
Last Update: 31-Dec-2012 12:20:56 Calib Date: 21-Dec-2012 20:45:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221019.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK007

First Level Reviewer: ulmanm Date: 31-Dec-2012 09:50:32

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.923	5.918	0.005	95	107553	4.00	
* 2 Naphthalene-d8	136	7.034	7.034	0.0	99	445469	4.00	
* 3 Acenaphthene-d10	164	8.524	8.525	-0.001	89	262498	4.00	
* 4 Phenanthrene-d10	188	9.785	9.786	-0.001	93	470028	4.00	
* 5 Chrysene-d12	240	12.333	12.339	-0.006	78	453908	4.00	
* 6 Perylene-d12	264	14.411	14.412	-0.001	76	382973	4.00	
$ 7 2-Fluorophenol	112	4.678	4.673	0.005	43	17688	0.4903	
$ 8 Phenol-d5	99	5.570	5.571	-0.001	0	23635	0.4440	
$ 9 Nitrobenzene-d5	82		6.404					
$ 10 2-Fluorobiphenyl (Surr)	172		7.943					
$ 11 2,4,6-Tribromophenol	330	9.187	9.193	-0.006	1	697	0.2984	M
$ 12 Terphenyl-d14	244		11.143					
23 2,5-Dichlorophenol	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
20 Dimethylformamide	1		0.000					
22 Bis(2-hydroxyphenyl)methane	1		0.000					
19 Octachlorostyrene	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
13 Octachlorocyclopentene	1		0.000					
25 1,4-Dioxane	88	2.456	2.456	0.0	0	8283	0.4418	M
35 Acrylamide	71		2.744					
26 N-Nitrosodimethylamine	74	2.920	2.921	-0.001	0	16879	0.5938	M
27 Pyridine	79	3.016	2.974	0.042	65	26549	0.5244	M
42 Phenylmercaptan	110		3.596					
28 Ethyl methacrylate	69	3.631	3.632	-0.001	55	18395	0.4217	
232 1-Methyl-2-pyrrilidinone	99		3.880					
29 3-Chloropropionitrile	54	4.010	4.011	-0.001	62	16412	0.6675	
31 2-Picoline	93		4.068					
52 Indene	115		4.084					
32 N-Nitrosomethylethylamine	88		4.212					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
33 Malononitrile	66	4.373	4.374	-0.001	72	27529	0.4910	M
17 4-Chlorophenol	128		4.500					
34 Methyl methanesulfonate	80		4.532					
30 3-Picoline	93		4.591					9
24 Catechol	110		4.592					
233 n,n'-Dimethylacetamide	44		4.618					
15 3-Methylcatechol	124		4.913					
36 N-Nitrosodiethylamine	102		4.944					
14 4-Methylcatechol	124		5.036					
81 Benzothiazole	135		5.046					
82 Quinoline	129		5.099					
37 Ethyl methanesulfonate	79		5.232					
38 2-Methylcyclohexanone	68		5.441					
39 3-Methylcyclohexanone	69		5.478					
41 Benzaldehyde	77	5.522	5.523	-0.001	88	25010	0.5342	
40 4-Methylcyclohexanone	55		5.526					
43 Phenol	94	5.581	5.581	0.0	85	30428	0.5081	
44 Aniline	93	5.618	5.619	-0.001	83	33329	0.4475	
69 Bis(2-chloroethyl)ether	93	5.672	5.672	0.0	76	26583	0.4677	
45 Pentachloroethane	167		5.697					
96 3,4-Dichloronitrobenzene	109		5.725					9
46 2-Chlorophenol	128	5.725	5.731	-0.006	79	15247	0.4221	
101 Phenyl ether	170		5.773					
47 1,3-Dichlorobenzene	146	5.869	5.870	-0.001	85	24150	0.5173	
48 1,4-Dichlorobenzene	146	5.933	5.934	-0.001	62	19231	0.5071	
49 Benzyl alcohol	108	6.029	6.030	-0.001	80	11123	0.4177	
50 1,2-Dichlorobenzene	146	6.072	6.073	-0.001	77	24138	0.5331	
51 2-Methylphenol	108	6.120	6.126	-0.006	82	19606	0.4991	
53 2,2'-oxybis[1-chloropropane]	45	6.152	6.153	-0.001	96	31290	0.5475	
21 3 & 4 Methylphenol	108	6.254	6.255	-0.001	89	20300	0.4930	
57 N-Nitrosodi-n-propylamine	70	6.259	6.265	-0.006	75	18592	0.5011	
58 Acetophenone	105	6.270	6.271	-0.001	88	28827	0.4793	
56 N-Nitrosopyrrolidine	100		6.274					
59 N-Nitrosomorpholine	56		6.306					9
60 2-Toluidine	106		6.327					9
61 Hexachloroethane	117	6.377	6.372	0.005	78	10177	0.5106	
62 Nitrobenzene	77	6.419	6.420	-0.001	74	36075	0.5047	
63 N-Nitrosopiperidine	114		6.578					
64 Isophorone	82	6.622	6.623	-0.001	92	46446	0.4251	
66 2-Nitrophenol	139	6.697	6.698	-0.001	85	8575	0.6269	
67 1,3,5-Trichlorobenzene	180	6.708	6.709	-0.001	79	19431	0.4469	
65 2,4-Dimethylphenol	107	6.719	6.719	0.0	59	23520	0.4959	
71 Benzoic acid	122		6.789					9
68 o,o',o''-Triethylphosphorothioat	198		6.798					
70 Bis(2-chloroethoxy)methane	93	6.799	6.799	0.0	93	38023	0.5131	
73 2,4-Dichlorophenol	162	6.906	6.906	0.0	80	13581	0.4693	
72 alpha,alpha-Dimethyl phenethylam	58		6.920					
74 1,2,4-Trichlorobenzene	180	6.980	6.981	-0.001	80	23041	0.5424	
75 Naphthalene	128		7.051					
76 4-Chloroaniline	127	7.087	7.088	-0.001	72	22589	0.4825	
77 2,6-Dichlorophenol	162		7.123					
79 Hexachlorobutadiene	225	7.146	7.147	-0.001	76	11115	0.4711	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
78 Hexachloropropene	213		7.155					
80 1,2,3-Trichlorobenzene	180		7.173					
84 Caprolactam	113	7.354	7.371	-0.017	62	6093	0.7352	
83 N-Nitrosodi-n-butylamine	84		7.385					9
85 p-Phenylene diamine	108		7.407					9
86 4-Chloro-3-methylphenol	107	7.483	7.483	0.0	76	15714	0.4022	
94 Safrole, Total	162		7.577					
153 Diphenylsulfone	125		7.616					
87 2-Methylnaphthalene	142		7.638					
88 1-Methylnaphthalene	142		7.724					
89 Hexachlorocyclopentadiene	237	7.766	7.766	0.0	43	6485	0.2540	
90 1,2,3,5-Tetrachlorobenzene	216	7.766	7.766	0.0	85	20132	0.4627	
91 1,2,4,5-Tetrachlorobenzene	216		7.807					
225 Isosafrole Peak 1	162		7.823					9
92 2,4,6-Trichlorophenol	196	7.872	7.873	-0.001	58	7517	0.3415	
93 2,4,5-Trichlorophenol	196	7.910	7.905	0.005	80	7648	0.3242	
97 2,4-Toluene diamine	121	8.011	8.012	-0.001	77	10670	0.4899	
227 Isosafrole Peak 2	162		8.016					9
99 1,2,3,4 -Tetrachlorobenzene	216		8.023					
98 1,1'-Biphenyl	154		8.028					
100 2-Chloronaphthalene	162		8.055					
102 2-Nitroaniline	65	8.129	8.130	-0.001	41	11587	0.6062	
103 1,4-Naphthoquinone	158		8.224					
104 1,4-Dinitrobenzene	168		8.267					
105 Dimethyl phthalate	163	8.268	8.269	-0.001	90	37465	0.4826	
107 2,6-Dinitrotoluene	165	8.327	8.327	0.0	77	8444	0.7263	
106 1,3-Dinitrobenzene	168		8.331					
108 1,2-Dinitrobenzene	168	8.375	8.375	0.0	74	4061	0.3797	
109 Acenaphthylene	152		8.413					
110 3-Nitroaniline	138	8.476	8.477	-0.001	76	8348	0.4491	
112 Acenaphthene	153		8.557					
111 2,4-Dinitrophenol	184		8.562					
113 4-Nitrophenol	109		8.600					9
114 2,4-Dinitrotoluene	165	8.663	8.669	-0.006	56	9504	0.5654	
115 Pentachlorobenzene	250		8.689					
116 Dibenzofuran	168	8.701	8.701	0.0	83	51069	0.4622	
118 2,3,5,6-Tetrachlorophenol	232		8.760					9
117 1-Naphthylamine	143		8.790					
119 2,3,4,6-Tetrachlorophenol	232		8.822					9
120 2-Naphthylamine	143		8.854					
121 Diethyl phthalate	149	8.855	8.856	-0.001	88	35456	0.4269	
122 Thionazin	97		8.956					
123 4-Chlorophenyl phenyl ether	204	8.973	8.974	-0.001	87	23520	0.4510	
125 4-Nitroaniline	138	8.989	8.990	-0.001	50	8042	0.7273	
126 Fluorene	166		8.990					
128 4,6-Dinitro-2-methylphenol	198		9.011					
124 N-Nitro-o-toluidine	152		9.015					9
127 Tributyl phosphate	99		9.047					9
131 N-Nitrosodiphenylamine	169	9.069	9.070	-0.001	84	29076	0.4491	
130 Diphenylamine	169		9.100					
133 Azobenzene	77	9.107	9.107	0.0	86	62068	0.4705	
132 1,2-Diphenylhydrazine	77	9.107	9.107	0.0	99	62068	0.4705	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
134 Sulfotepp	202		9.207					9
176 Hexabromobenzene	232		9.208					
135 1,3,5-Trinitrobenzene	213		9.298					
228 Diallate Peak 1	86		9.335					9
137 Phenacetin	108		9.340					
138 Phorate	121		9.346					
139 4-Bromophenyl phenyl ether	248	9.390	9.390	0.0	55	13347	0.4744	
230 Diallate Peak 2	86		9.415					9
141 Hexachlorobenzene	284		9.454					
140 Dimethoate	87		9.490					9
142 Atrazine	200	9.502	9.503	-0.001	51	8137	0.4579	
179 6-Methylchrysene	242		9.576					
143 Pentachlorophenol	266		9.615					9
129 4-Aminobiphenyl	169		9.640					
145 Pentachloronitrobenzene	237		9.650					
144 Pronamide	173		9.666					
147 Dinoseb	211		9.778					
146 Disulfoton	88		9.784					9
148 Phenanthrene	178		9.807					
149 Anthracene	178		9.850					
150 DFTPP								
151 Carbazole	167	9.972	9.978	-0.006	75	50113	0.4231	
152 Methyl parathion	109		10.104					
154 Di-n-butyl phthalate	149	10.234	10.229	0.005	93	58523	0.4007	
155 Ethyl Parathion	97		10.425					
156 4-Nitroquinoline-1-oxide	190		10.478					
157 Methapyrilene	58		10.526					
158 Isodrin	66		10.719					
159 Fluoranthene	202		10.817					
160 Benzidine	184		10.913					9
161 Pyrene	202		11.025					
166 4,4'-DDE	246		11.116					9
226 Aramite Peak 1	185		11.130					9
229 Aramite Peak 2	185		11.205					9
163 p-Dimethylamino azobenzene	225		11.312					
164 Chlorobenzilate	139		11.344					
165 4,4'-DDD	235		11.450					
167 Famphur	218		11.605					
168 Butyl benzyl phthalate	149	11.617	11.618	-0.001	74	24849	0.4337	
169 3,3'-Dimethylbenzidine	212		11.664					
187 Dibenz[a,h]acridine	279		11.729					
170 4,4'-DDT	235		11.738					
186 Dibenz[a,j]acridine	279		11.804					
171 2-Acetylaminofluorene	181		11.953					
172 3,3'-Dimethoxybenzidine	244		12.227					9
175 3,3'-Dichlorobenzidine	252	12.264	12.270	-0.006	26	17708	0.3831	
174 4,4'-Methylene bis(2-chloroanili	231		12.270					9
173 Bis(2-ethylhexyl) phthalate	149	12.285	12.291	-0.006	86	31241	0.3742	
177 Benzo[a]anthracene	228		12.323					
178 Chrysene	228		12.371					
180 Di-n-octyl phthalate	149	13.193	13.199	-0.006	67	46553	0.5900	
182 Benzo[b]fluoranthene	252		13.830					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
181 7,12-Dimethylbenz(a)anthracene	256		13.871					
183 Benzo[k]fluoranthene	252		13.872					
184 Benzo[a]pyrene	252		14.332					
185 3-Methylcholanthrene	268		14.928					
188 Indeno[1,2,3-cd]pyrene	276		16.073					
189 Dibenz(a,h)anthracene	278		16.105					9
190 Benzo[g,h,i]perylene	276		16.527					
S 191 Methyl Phenols,Total	100				0		0.99	
S 95 Isosafrole	162		5.568					7
S 136 Diallate	86		6.701					7
S 162 Aramite, Total	185		8.271					7
T 195 Hydroquinone TIC	110		0.000					1
T 240 Trimethyl phosphate TIC	110		3.120					1
T 193 Hexamethylphosphoramide TIC	135		5.100					1
T 194 Decane TIC	142		5.800					1
T 234 2-Isopropylphenol TIC	121		7.019					1
T 235 4-isopropylphenol TIC	121		7.173					1
T 236 3-isopropylphenol TIC	121		7.173					1
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		7.537					1
T 196 Kepone TIC	272		8.281					
T 242 Triphenyl Phosphate TIC	326		8.700					1
T 238 2,3,7,8-TCDD TIC	1		9.000					1
T 197 Hexachlorophene TIC	198		9.269					1
T 241 Tricresyl phosphate TIC	368		9.372					1
T 192 Octadecane (TIC)	254		9.600					1
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					1
T 231 2,3,7,8-TCDD	322		12.400					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

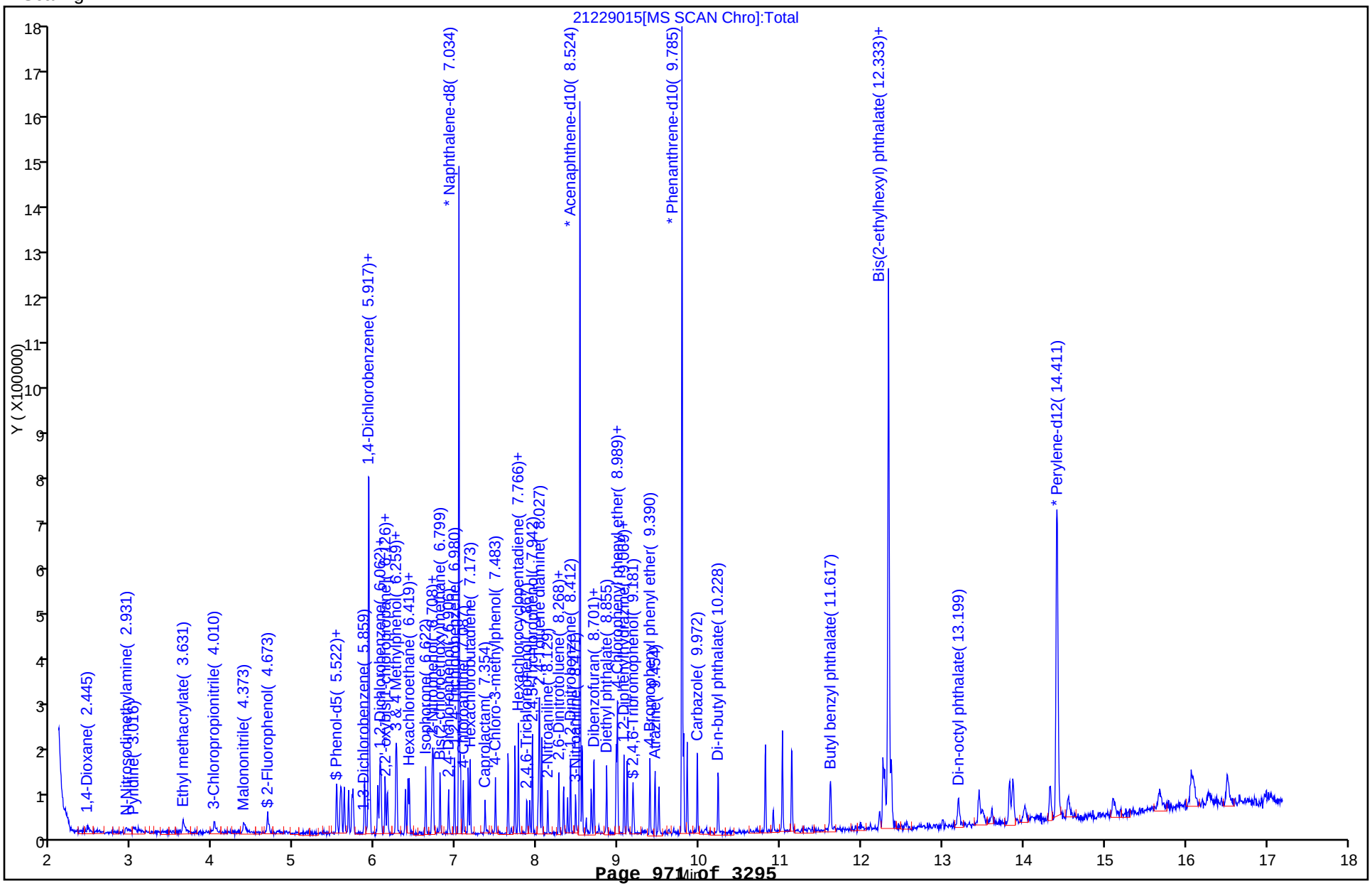
Report Date: 31-Dec-2012 12:21:07 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121229-16269.b\21229015.D

Injection Date:	29-Dec-2012 17:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	70566	Lims Sample ID:	15
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

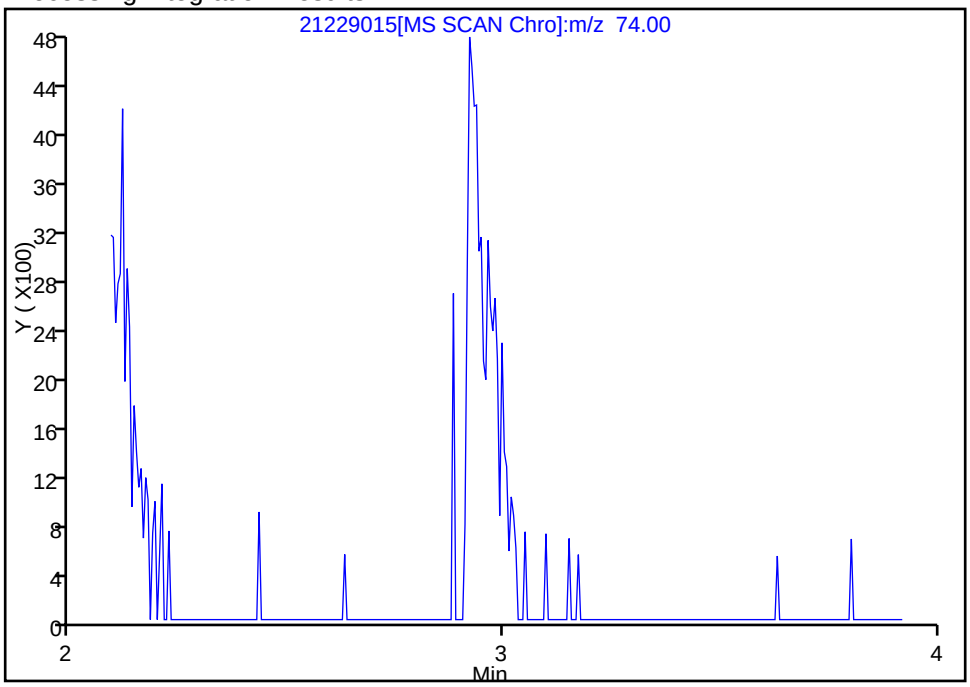
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121229-16269.b\21229015.D		
Injection Date:	29-Dec-2012 17:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	70566	Lims Sample ID:	15
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

26 N-Nitrosodimethylamine, Signal: 1, m/z: 74.0 Type: quant, RT: 2.92

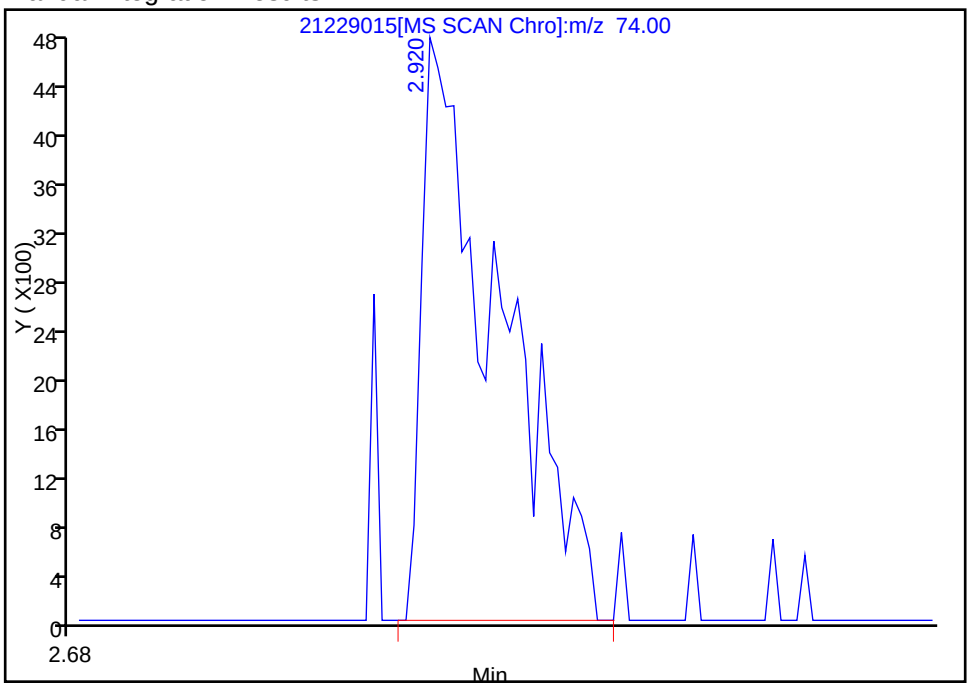
Not Detected
Expected RT: 2.92

Processing Integration Results



Manual Integration Results

RT: 2.92
Response: 16879
Amount: 0.593832



Reviewer: ulmanm, 31-Dec-2012 09:50:32
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

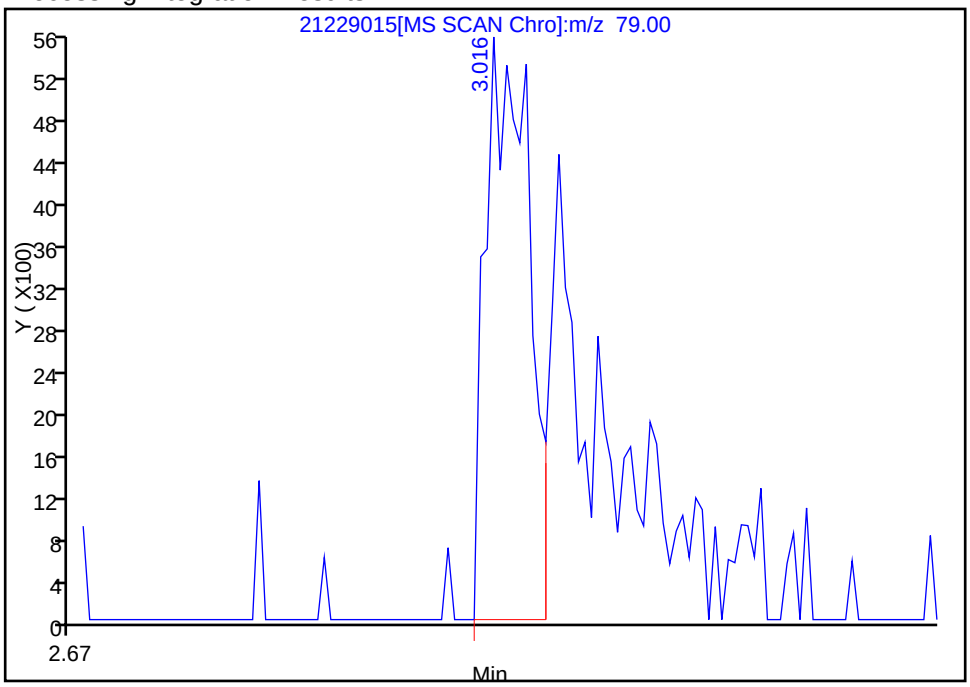
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121229-16269.b\21229015.D		
Injection Date:	29-Dec-2012 17:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	70566	Lims Sample ID:	15
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

27 Pyridine, Signal: 1, m/z: 79.0 Type: quant, RT: 2.97

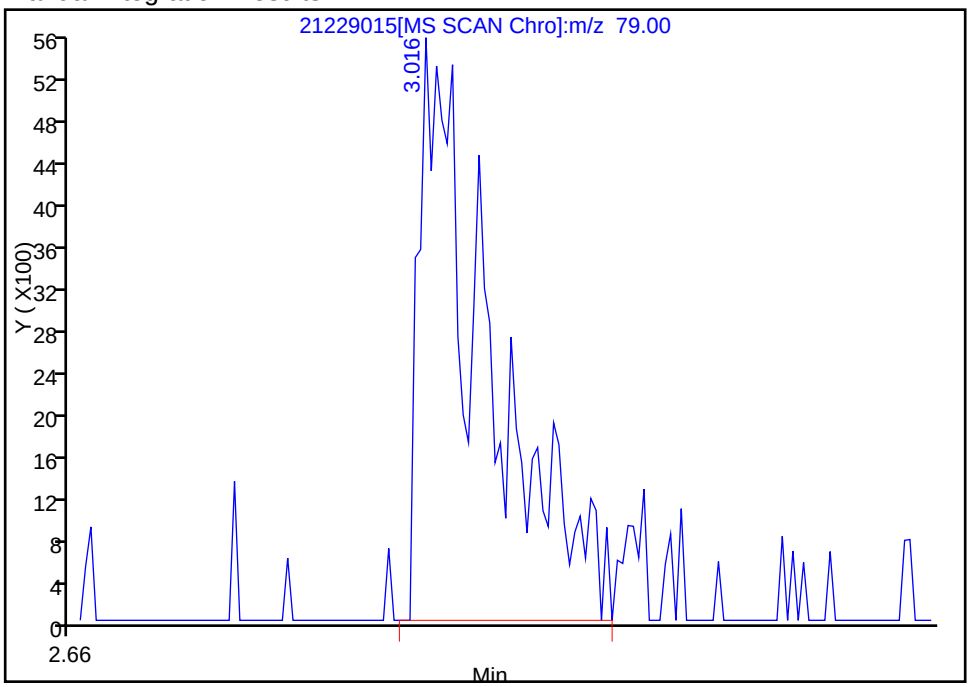
Processing Integration Results

RT: 3.02
Response: 13750
Amount: 0.271585



Manual Integration Results

RT: 3.02
Response: 26549
Amount: 0.524387



Reviewer: ulmanm, 31-Dec-2012 09:50:32
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

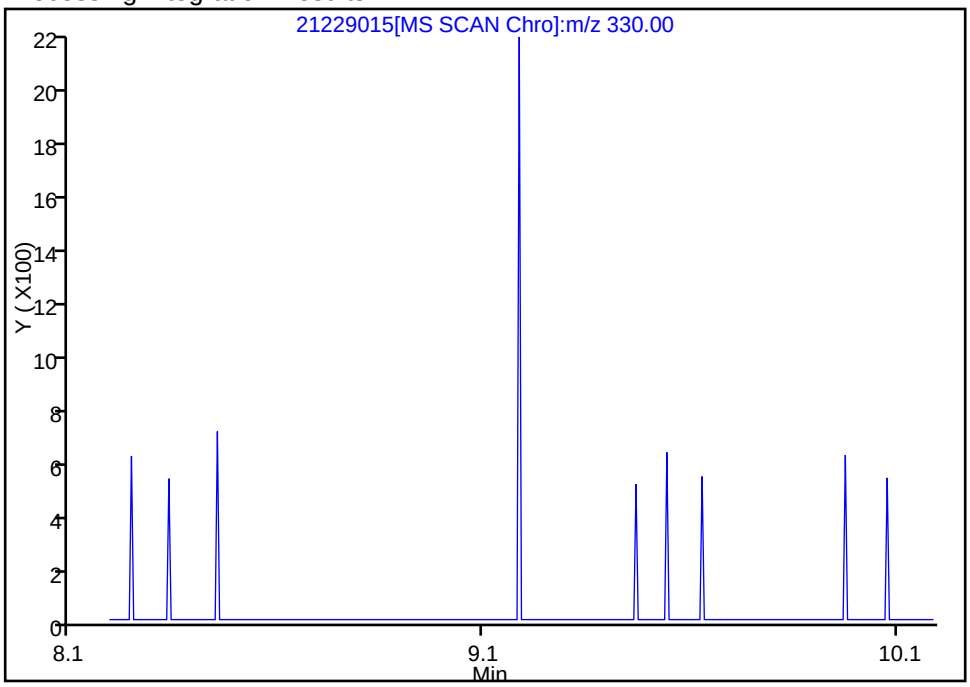
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121229-16269.b\21229015.D		
Injection Date:	29-Dec-2012 17:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	70566	Lims Sample ID:	15
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

$ 11 2,4,6-Tribromophenol, Signal: 1, m/z: 330.0 Type: quant, RT: 9.19

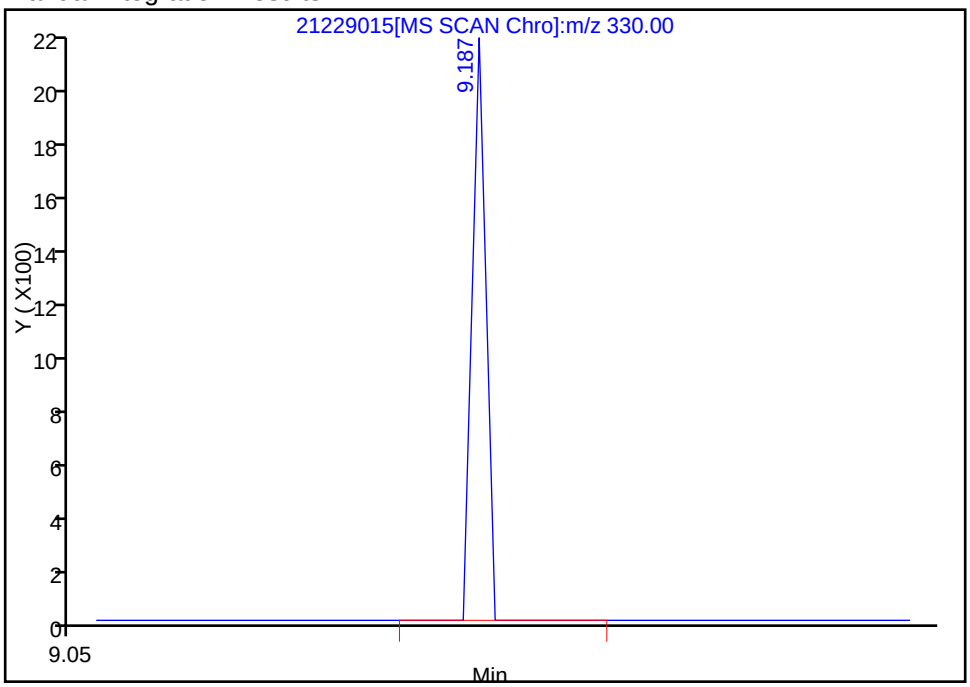
Processing Integration Results

Not Detected
Expected RT: 9.19



Manual Integration Results

RT: 9.19
Response: 697
Amount: 0.298414



Reviewer: ulmanm, 31-Dec-2012 09:50:32
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: mdll3 Calibration Date: 12/29/2012 17:58

Instrument ID: A4HP9 Calib Start Date: 12/21/2012 13:40

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/21/2012 16:59

Lab File ID: 21229016.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzoic acid	Qua				1.11	2.00		
4-Nitrophenol	Qua				0.831	1.00		
4,6-Dinitro-2-methylphenol	Qua				0.804	1.00		
Pentachlorophenol	Qua				0.855	2.00		
1,2,4-Trichlorobenzene	Ave	0.3814			0.000800	1.00		
1,2-Dichlorobenzene	Ave	1.684			0.000800	1.00		
1,2-Diphenylhydrazine(as Azobenzene)	Ave	1.123			0.000800	1.00		
1,3-Dichlorobenzene	Ave	1.736			0.000800	1.00		
1,4-Dichlorobenzene	Ave	1.410			0.000800	1.00		
2,4,5-Trichlorophenol	Ave	0.3595			0.000800	1.00		
2,4,6-Trichlorophenol	Ave	0.3354			0.000800	1.00		
2,4-Dichlorophenol	Ave	0.2599			0.000800	1.00		
2,4-Dimethylphenol	Ave	0.4258			0.000800	1.00		
2,4-Dinitrophenol	Qua				0.00240	2.00		
2,4-Dinitrotoluene	Qua				0.000800	1.00		
2,6-Dinitrotoluene	Qua				0.000800	1.00		
2-Chloronaphthalene	Ave	1.315			0.000100	1.00		
2-Chlorophenol	Ave	1.343			0.000800	1.00		
2-Methylnaphthalene	Ave	0.6956			0.000100	1.00		
2-Methylphenol	Ave	1.461			0.000800	1.00		
2-Nitroaniline	Qua				0.000800	1.00		
2-Nitrophenol	Qua				0.000800	1.00		
3 & 4 Methylphenol	Ave	1.532			0.000800	1.00		
3,3'-Dichlorobenzidine	Ave	0.4073			0.000800	1.00		
3-Nitroaniline	Ave	0.2833			0.000800	1.00		
4-Bromophenyl phenyl ether	Ave	0.2394			0.000800	1.00		
4-Chloro-3-methylphenol	Ave	0.3508			0.000800	1.00		
4-Chlorophenyl phenyl ether	Ave	0.7948			0.000800	1.00		
4-Nitroaniline	Qua				0.000800	1.00		
Acenaphthene	Ave	1.208			0.000100	1.00		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: mdll3 Calibration Date: 12/29/2012 17:58

Instrument ID: A4HP9 Calib Start Date: 12/21/2012 13:40

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/21/2012 16:59

Lab File ID: 21229016.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acenaphthylene	Ave	1.895			0.000100	1.00		
Anthracene	Ave	1.098			0.000100	1.00		
Benzidine	Qua				0.00240	1.00		
Benzo[a]anthracene	Qua				0.000100	1.00		
Benzo[a]pyrene	Ave	1.213			0.000100	1.00		
Benzo[b]fluoranthene	Ave	1.334			0.000100	1.00		
Benzo[g,h,i]perylene	Qua				0.000100	1.00		
Benzo[k]fluoranthene	Ave	1.355			0.000100	1.00		
Benzyl alcohol	Ave	0.9903			0.000800	1.00		
Bis(2-chloroethoxy)methane	Ave	0.6654			0.000800	1.00		
Bis(2-chloroethyl)ether	Ave	2.114			0.000100	1.00		
Bis(2-ethylhexyl) phthalate	Ave	0.7356			0.000800	1.00		
Butyl benzyl phthalate	Ave	0.5049			0.000800	1.00		
Carbazole	Ave	1.008			0.000800	1.00		
Chrysene	Ave	1.120			0.000100	1.00		
Dibenz(a,h)anthracene	Ave	1.040			0.000100	1.00		
Dibenzofuran	Ave	1.684			0.000100	1.00		
Diethyl phthalate	Ave	1.266			0.000800	1.00		
Dimethyl phthalate	Ave	1.183			0.000800	1.00		
Di-n-butyl phthalate	Ave	1.243			0.000800	1.00		
Di-n-octyl phthalate	Qua				0.000800	1.00		
Fluoranthene	Ave	1.226			0.000100	1.00		
Fluorene	Ave	1.283			0.000100	1.00		
Hexachlorobenzene	Ave	0.2304			0.000100	1.00		
Hexachlorobutadiene	Ave	0.2118			0.000800	1.00		
Hexachlorocyclopentadiene	Ave	0.3891			0.000800	1.00		
Hexachloroethane	Ave	0.7413			0.000800	1.00		
Indeno[1,2,3-cd]pyrene	Ave	1.344			0.000100	1.00		
Isophorone	Ave	0.9811			0.000800	1.00		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: mdll3 Calibration Date: 12/29/2012 17:58

Instrument ID: A4HP9 Calib Start Date: 12/21/2012 13:40

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/21/2012 16:59

Lab File ID: 21229016.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.053			0.000100	1.00		
Nitrobenzene	Ave	0.6419			0.000100	1.00		
N-Nitrosodimethylamine	Ave	1.057			0.000800	1.00		
N-Nitrosodi-n-propylamine	Ave	1.380			0.000800	1.00		
N-Nitrosodiphenylamine	Ave	0.5510			0.000800	1.00		
Phenanthrene	Ave	1.112			0.000100	1.00		
Phenol	Ave	2.227			0.000800	1.00		
Pyrene	Ave	1.301			0.000100	1.00		
Pyridine	Ave	1.883			0.000800	1.00		
2,4,6-Tribromophenol (Surr)	Qua				0.000000	1.00	0*	17-117
2-Fluorobiphenyl (Surr)	Ave	1.603			0.000000	1.00	0*	22-110
2-Fluorophenol (Surr)	Ave	1.342			0.000000	1.00	0*	10-110
Nitrobenzene-d5 (Surr)	Ave	0.6113			0.000000	1.00	0*	29-111
Phenol-d5 (Surr)	Ave	1.980			0.000000	1.00	0*	10-110
Terphenyl-d14 (Surr)	Ave	0.9057			0.000000	1.00	0*	40-119

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121229-16269.b\21229016.D
Lims ID: mdll3 Client ID:
Inject. Date: 29-Dec-2012 17:58:30 Dil. Factor: 1.0000
Sample Type: LODV
Sample ID: 240-0016269-016
Misc. Info.: MDLL3 =MDLL3
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 16
Lims Batch ID: 70566 Lims Sample ID: 16
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121229-16269.b\8270 _9.m
Last Update: 31-Dec-2012 12:20:56 Calib Date: 21-Dec-2012 20:45:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221019.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK007

First Level Reviewer: ulmanm Date: 31-Dec-2012 10:27:52

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.918	5.918	0.0	94	122589	4.00	
* 2 Naphthalene-d8	136	7.035	7.034	0.001	99	469049	4.00	
* 3 Acenaphthene-d10	164	8.525	8.525	0.0	83	284711	4.00	
* 4 Phenanthrene-d10	188	9.786	9.786	0.0	97	506238	4.00	
* 5 Chrysene-d12	240	12.334	12.339	-0.005	79	487835	4.00	
* 6 Perylene-d12	264	14.412	14.412	0.0	83	409221	4.00	
$ 7 2-Fluorophenol	112		4.673					
$ 8 Phenol-d5	99		5.571					
$ 9 Nitrobenzene-d5	82		6.404					
$ 10 2-Fluorobiphenyl (Surr)	172		7.943					
$ 11 2,4,6-Tribromophenol	330		9.193					
$ 12 Terphenyl-d14	244		11.143					
23 2,5-Dichlorophenol	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
20 Dimethylformamide	1		0.000					
22 Bis(2-hydroxyphenyl)methane	1		0.000					
19 Octachlorostyrene	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
13 Octachlorocyclopentene	1		0.000					
25 1,4-Dioxane	88		2.456					
35 Acrylamide	71		2.744					
26 N-Nitrosodimethylamine	74		2.921					
27 Pyridine	79		2.974					
42 Phenylmercaptan	110		3.596					
28 Ethyl methacrylate	69		3.632					
232 1-Methyl-2-pyrrilidinone	99		3.880					
29 3-Chloropropionitrile	54		4.011					
31 2-Picoline	93		4.068					
52 Indene	115		4.084					
32 N-Nitrosomethylethylamine	88		4.212					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
33 Malononitrile	66		4.374					
17 4-Chlorophenol	128		4.500					
34 Methyl methanesulfonate	80		4.532					
30 3-Picoline	93		4.591					9
24 Catechol	110		4.592					9
233 n,n'-Dimethylacetamide	44		4.618					
15 3-Methylcatechol	124		4.913					
36 N-Nitrosodiethylamine	102		4.944					
14 4-Methylcatechol	124		5.036					
81 Benzothiazole	135		5.046					
82 Quinoline	129		5.099					
37 Ethyl methanesulfonate	79		5.232					
38 2-Methylcyclohexanone	68		5.441					
39 3-Methylcyclohexanone	69		5.478					
41 Benzaldehyde	77		5.523					
40 4-Methylcyclohexanone	55		5.526					
43 Phenol	94		5.581					
44 Aniline	93		5.619					
69 Bis(2-chloroethyl)ether	93		5.672					
45 Pentachloroethane	167		5.697					
96 3,4-Dichloronitrobenzene	109		5.725					
46 2-Chlorophenol	128		5.731					
101 Phenyl ether	170		5.773					
47 1,3-Dichlorobenzene	146		5.870					
48 1,4-Dichlorobenzene	146		5.934					
49 Benzyl alcohol	108		6.030					
50 1,2-Dichlorobenzene	146		6.073					
51 2-Methylphenol	108		6.126					
53 2,2'-oxybis[1-chloropropane]	45		6.153					
21 3 & 4 Methylphenol	108		6.255					
57 N-Nitrosodi-n-propylamine	70		6.265					
58 Acetophenone	105		6.271					
56 N-Nitrosopyrrolidine	100		6.274					
59 N-Nitrosomorpholine	56		6.306					9
60 2-Toluidine	106		6.327					9
61 Hexachloroethane	117		6.372					
62 Nitrobenzene	77		6.420					
63 N-Nitrosopiperidine	114		6.578					
64 Isophorone	82		6.623					
66 2-Nitrophenol	139		6.698					
67 1,3,5-Trichlorobenzene	180		6.709					
65 2,4-Dimethylphenol	107		6.719					
71 Benzoic acid	122	6.762	6.789	-0.027	58	6777	1.11	
68 o,o',o''-Triethylphosphorothioat	198		6.798					
70 Bis(2-chloroethoxy)methane	93		6.799					
73 2,4-Dichlorophenol	162		6.906					
72 alpha,alpha-Dimethyl phenethylam	58		6.920					
74 1,2,4-Trichlorobenzene	180		6.981					
75 Naphthalene	128		7.051					
76 4-Chloroaniline	127		7.088					
77 2,6-Dichlorophenol	162		7.123					
79 Hexachlorobutadiene	225		7.147					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
78 Hexachloropropene	213		7.155					
80 1,2,3-Trichlorobenzene	180		7.173					
84 Caprolactam	113		7.371					
83 N-Nitrosodi-n-butylamine	84		7.385					9
85 p-Phenylene diamine	108		7.407					9
86 4-Chloro-3-methylphenol	107		7.483					
94 Safrole, Total	162		7.577					
153 Diphenylsulfone	125		7.616					
87 2-Methylnaphthalene	142		7.638					
88 1-Methylnaphthalene	142		7.724					
89 Hexachlorocyclopentadiene	237		7.766					
90 1,2,3,5-Tetrachlorobenzene	216		7.766					
91 1,2,4,5-Tetrachlorobenzene	216		7.807					
225 Isosafrole Peak 1	162		7.823					9
92 2,4,6-Trichlorophenol	196		7.873					
93 2,4,5-Trichlorophenol	196		7.905					
97 2,4-Toluene diamine	121		8.012					
227 Isosafrole Peak 2	162		8.016					9
99 1,2,3,4 -Tetrachlorobenzene	216		8.023					
98 1,1'-Biphenyl	154		8.028					
100 2-Chloronaphthalene	162		8.055					
102 2-Nitroaniline	65		8.130					
103 1,4-Naphthoquinone	158		8.224					
104 1,4-Dinitrobenzene	168		8.267					
105 Dimethyl phthalate	163		8.269					
107 2,6-Dinitrotoluene	165		8.327					
106 1,3-Dinitrobenzene	168		8.331					
108 1,2-Dinitrobenzene	168		8.375					
109 Acenaphthylene	152		8.413					
110 3-Nitroaniline	138		8.477					
112 Acenaphthene	153		8.557					
111 2,4-Dinitrophenol	184		8.562					
113 4-Nitrophenol	109	8.600	8.600	0.0	74	8395	0.8311	
114 2,4-Dinitrotoluene	165		8.669					
115 Pentachlorobenzene	250		8.689					
116 Dibenzofuran	168		8.701					
118 2,3,5,6-Tetrachlorophenol	232		8.760					
117 1-Naphthylamine	143		8.790					
119 2,3,4,6-Tetrachlorophenol	232		8.822					9
120 2-Naphthylamine	143		8.854					
121 Diethyl phthalate	149		8.856					
122 Thionazin	97		8.956					
123 4-Chlorophenyl phenyl ether	204		8.974					
125 4-Nitroaniline	138		8.990					
126 Fluorene	166		8.990					
128 4,6-Dinitro-2-methylphenol	198	9.011	9.011	0.0	3	1548	0.8043	
124 N-Nitro-o-toluidine	152		9.015					9
127 Tributyl phosphate	99		9.047					9
131 N-Nitrosodiphenylamine	169		9.070					
130 Diphenylamine	169		9.100					
133 Azobenzene	77		9.107					
132 1,2-Diphenylhydrazine	77		9.107					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
134 Sulfotepp	202		9.207					
176 Hexabromobenzene	232		9.208					
135 1,3,5-Trinitrobenzene	213		9.298					
228 Diallate Peak 1	86		9.335					9
137 Phenacetin	108		9.340					
138 Phorate	121		9.346					
139 4-Bromophenyl phenyl ether	248		9.390					
230 Diallate Peak 2	86		9.415					9
141 Hexachlorobenzene	284		9.454					
140 Dimethoate	87		9.490					9
142 Atrazine	200		9.503					
179 6-Methylchrysene	242		9.576					
143 Pentachlorophenol	266	9.615	9.615	0.0	22	3586	0.8553	
129 4-Aminobiphenyl	169		9.640					9
145 Pentachloronitrobenzene	237		9.650					
144 Pronamide	173		9.666					
147 Dinoseb	211		9.778					
146 Disulfoton	88		9.784					9
148 Phenanthrene	178		9.807					
149 Anthracene	178		9.850					
150 DFTPP								
151 Carbazole	167		9.978					
152 Methyl parathion	109		10.104					
154 Di-n-butyl phthalate	149		10.229					
155 Ethyl Parathion	97		10.425					
156 4-Nitroquinoline-1-oxide	190		10.478					
157 Methapyrilene	58		10.526					
158 Isodrin	66		10.719					
159 Fluoranthene	202		10.817					
160 Benzidine	184		10.913					
161 Pyrene	202		11.025					
166 4,4'-DDE	246		11.116					9
226 Aramite Peak 1	185		11.130					9
229 Aramite Peak 2	185		11.205					9
163 p-Dimethylamino azobenzene	225		11.312					
164 Chlorobenzilate	139		11.344					
165 4,4'-DDD	235		11.450					
167 Famphur	218		11.605					
168 Butyl benzyl phthalate	149		11.618					
169 3,3'-Dimethylbenzidine	212		11.664					
187 Dibenz[a,h]acridine	279		11.729					
170 4,4'-DDT	235		11.738					
186 Dibenz[a,j]acridine	279		11.804					
171 2-Acetylaminofluorene	181		11.953					
172 3,3'-Dimethoxybenzidine	244		12.227					9
175 3,3'-Dichlorobenzidine	252		12.270					
174 4,4'-Methylene bis(2-chloroanili	231		12.270					
173 Bis(2-ethylhexyl) phthalate	149		12.291					
177 Benzo[a]anthracene	228		12.323					
178 Chrysene	228		12.371					
180 Di-n-octyl phthalate	149		13.199					
182 Benzo[b]fluoranthene	252		13.830					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
181 7,12-Dimethylbenz(a)anthracene	256		13.871					
183 Benzo[k]fluoranthene	252		13.872					
184 Benzo[a]pyrene	252		14.332					
185 3-Methylcholanthrene	268		14.928					
188 Indeno[1,2,3-cd]pyrene	276		16.073					
189 Dibenz(a,h)anthracene	278		16.105					
190 Benzo[g,h,i]perylene	276		16.527					
S 191 Methyl Phenols,Total	100		0.000					7
S 95 Isosafrole	162		5.568					7
S 136 Diallate	86		6.701					7
S 162 Aramite, Total	185		8.271					7
T 195 Hydroquinone TIC	110		0.000					1
T 240 Trimethyl phosphate TIC	110		3.120					1
T 193 Hexamethylphosphoramide TIC	135		5.100					1
T 194 Decane TIC	142		5.800					1
T 234 2-Isopropylphenol TIC	121		7.019					
T 235 4-isopropylphenol TIC	121		7.173					
T 236 3-isopropylphenol TIC	121		7.173					
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		7.537					1
T 196 Kepone TIC	272		8.281					
T 242 Triphenyl Phosphate TIC	326		8.700					1
T 238 2,3,7,8-TCDD TIC	1		9.000					1
T 197 Hexachlorophene TIC	198		9.269					1
T 241 Tricresyl phosphate TIC	368		9.372					1
T 192 Octadecane (TIC)	254		9.600					1
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					1
T 231 2,3,7,8-TCDD	322		12.400					1

QC Flag Legend

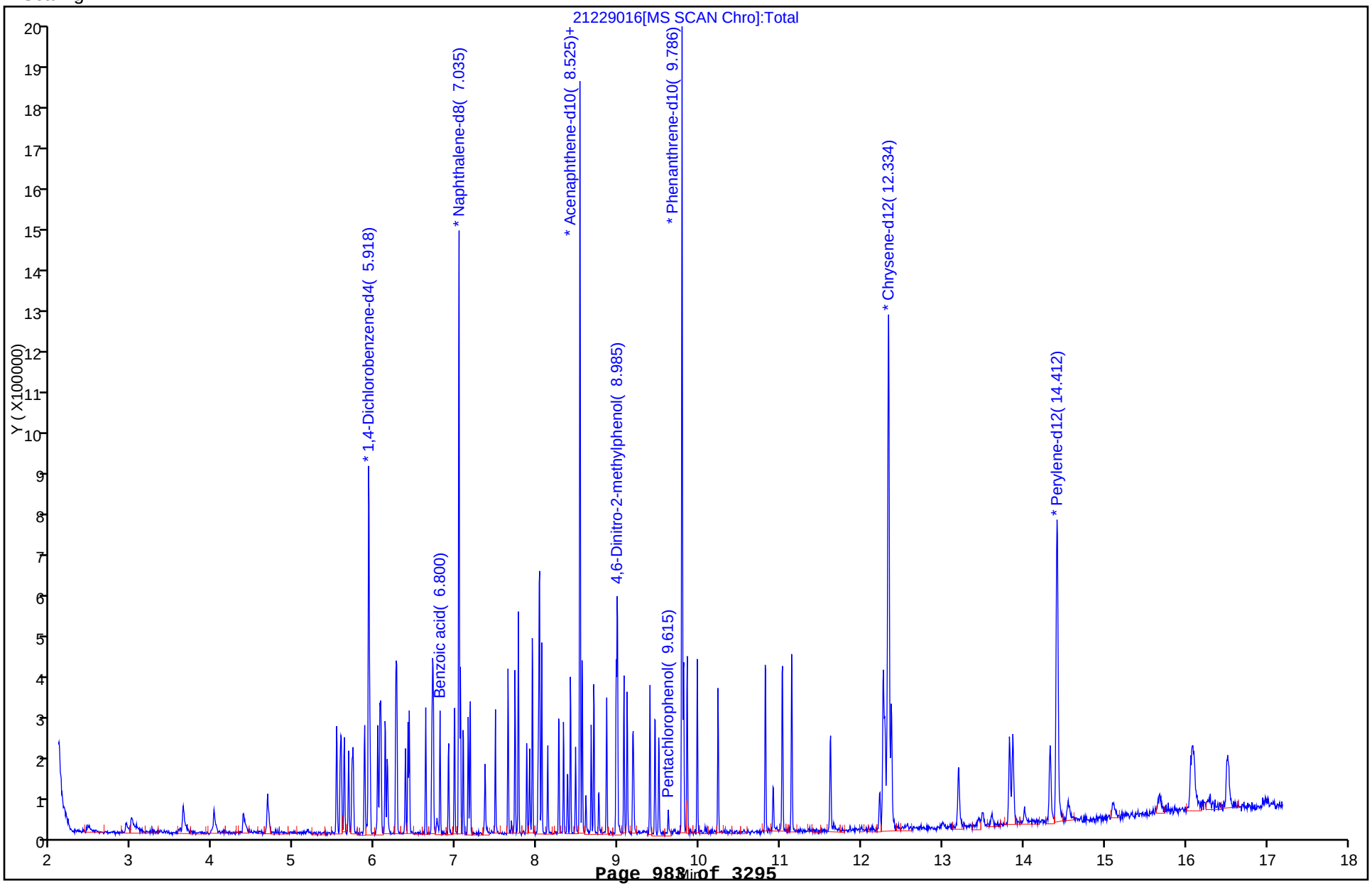
Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Report Date: 31-Dec-2012 12:21:08 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121229-16269.b\21229016.D		
Injection Date:	29-Dec-2012 17:58:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	70566	Lims Sample ID:	16
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: mdll4 Calibration Date: 12/29/2012 18:23

Instrument ID: A4HP9 Calib Start Date: 12/21/2012 13:40

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/21/2012 16:59

Lab File ID: 21229017.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4-Dinitrophenol	Qua				1.78	4.00		
1,2,4-Trichlorobenzene	Ave	0.3814			0.000800	2.00		
1,2-Dichlorobenzene	Ave	1.684			0.000800	2.00		
1,2-Diphenylhydrazine(as Azobenzene)	Ave	1.123			0.000800	2.00		
1,3-Dichlorobenzene	Ave	1.736			0.000800	2.00		
1,4-Dichlorobenzene	Ave	1.410			0.000800	2.00		
2,4,5-Trichlorophenol	Ave	0.3595			0.000800	2.00		
2,4,6-Trichlorophenol	Ave	0.3354			0.000800	2.00		
2,4-Dichlorophenol	Ave	0.2599			0.000800	2.00		
2,4-Dimethylphenol	Ave	0.4258			0.000800	2.00		
2,4-Dinitrotoluene	Qua				0.000800	2.00		
2,6-Dinitrotoluene	Qua				0.000800	2.00		
2-Chloronaphthalene	Ave	1.315			0.000100	2.00		
2-Chlorophenol	Ave	1.343			0.000800	2.00		
2-Methylnaphthalene	Ave	0.6956			0.000100	2.00		
2-Methylphenol	Ave	1.461			0.000800	2.00		
2-Nitroaniline	Qua				0.000800	2.00		
2-Nitrophenol	Qua				0.000800	2.00		
3 & 4 Methylphenol	Ave	1.532			0.000800	2.00		
3,3'-Dichlorobenzidine	Ave	0.4073			0.000800	2.00		
3-Nitroaniline	Ave	0.2833			0.000800	2.00		
4,6-Dinitro-2-methylphenol	Qua				0.00240	2.00		
4-Bromophenyl phenyl ether	Ave	0.2394			0.000800	2.00		
4-Chloro-3-methylphenol	Ave	0.3508			0.000800	2.00		
4-Chlorophenyl phenyl ether	Ave	0.7948			0.000800	2.00		
4-Nitroaniline	Qua				0.000800	2.00		
4-Nitrophenol	Qua				0.00240	2.00		
Acenaphthene	Ave	1.208			0.000100	2.00		
Acenaphthylene	Ave	1.895			0.000100	2.00		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: mdll4 Calibration Date: 12/29/2012 18:23

Instrument ID: A4HP9 Calib Start Date: 12/21/2012 13:40

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/21/2012 16:59

Lab File ID: 21229017.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Anthracene	Ave	1.098			0.000100	2.00		
Benzidine	Qua				0.00240	2.00		
Benzo[a]anthracene	Qua				0.000100	2.00		
Benzo[a]pyrene	Ave	1.213			0.000100	2.00		
Benzo[b]fluoranthene	Ave	1.334			0.000100	2.00		
Benzo[g,h,i]perylene	Qua				0.000100	2.00		
Benzo[k]fluoranthene	Ave	1.355			0.000100	2.00		
Benzoic acid	Qua				0.0100	4.00		
Benzyl alcohol	Ave	0.9903			0.000800	2.00		
Bis(2-chloroethoxy)methane	Ave	0.6654			0.000800	2.00		
Bis(2-chloroethyl)ether	Ave	2.114			0.000100	2.00		
Bis(2-ethylhexyl) phthalate	Ave	0.7356			0.000800	2.00		
Butyl benzyl phthalate	Ave	0.5049			0.000800	2.00		
Carbazole	Ave	1.008			0.000800	2.00		
Chrysene	Ave	1.120			0.000100	2.00		
Dibenz(a,h)anthracene	Ave	1.040			0.000100	2.00		
Dibenzofuran	Ave	1.684			0.000100	2.00		
Diethyl phthalate	Ave	1.266			0.000800	2.00		
Dimethyl phthalate	Ave	1.183			0.000800	2.00		
Di-n-butyl phthalate	Ave	1.243			0.000800	2.00		
Di-n-octyl phthalate	Qua				0.000800	2.00		
Fluoranthene	Ave	1.226			0.000100	2.00		
Fluorene	Ave	1.283			0.000100	2.00		
Hexachlorobenzene	Ave	0.2304			0.000100	2.00		
Hexachlorobutadiene	Ave	0.2118			0.000800	2.00		
Hexachlorocyclopentadiene	Ave	0.3891			0.000800	2.00		
Hexachloroethane	Ave	0.7413			0.000800	2.00		
Indeno[1,2,3-cd]pyrene	Ave	1.344			0.000100	2.00		
Isophorone	Ave	0.9811			0.000800	2.00		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: mdll4 Calibration Date: 12/29/2012 18:23

Instrument ID: A4HP9 Calib Start Date: 12/21/2012 13:40

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/21/2012 16:59

Lab File ID: 21229017.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.053			0.000100	2.00		
Nitrobenzene	Ave	0.6419			0.000100	2.00		
N-Nitrosodimethylamine	Ave	1.057			0.000800	2.00		
N-Nitrosodi-n-propylamine	Ave	1.380			0.000800	2.00		
N-Nitrosodiphenylamine	Ave	0.5510			0.000800	2.00		
Pentachlorophenol	Qua				0.00240	4.00		
Phenanthrene	Ave	1.112			0.000100	2.00		
Phenol	Ave	2.227			0.000800	2.00		
Pyrene	Ave	1.301			0.000100	2.00		
Pyridine	Ave	1.883			0.000800	2.00		
2,4,6-Tribromophenol (Surr)	Qua				0.000000	2.00	0*	17-117
2-Fluorobiphenyl (Surr)	Ave	1.603			0.000000	2.00	0*	22-110
2-Fluorophenol (Surr)	Ave	1.342			0.000000	2.00	0*	10-110
Nitrobenzene-d5 (Surr)	Ave	0.6113			0.000000	2.00	0*	29-111
Phenol-d5 (Surr)	Ave	1.980			0.000000	2.00	0*	10-110
Terphenyl-d14 (Surr)	Ave	0.9057			0.000000	2.00	0*	40-119

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121229-16269.b\21229017.D
Lims ID: mdll4 Client ID:
Inject. Date: 29-Dec-2012 18:23:30 Dil. Factor: 1.0000
Sample Type: LODV
Sample ID: 240-0016269-017
Misc. Info.: MDLL4 =MDLL4
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 17
Lims Batch ID: 70566 Lims Sample ID: 17
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121229-16269.b\8270 _9.m
Last Update: 31-Dec-2012 12:20:56 Calib Date: 21-Dec-2012 20:45:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221019.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK007

First Level Reviewer: ulmanm Date: 31-Dec-2012 10:32:49

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.921	5.918	0.003	95	121755	4.00	
* 2 Naphthalene-d8	136	7.032	7.034	-0.002	98	492598	4.00	
* 3 Acenaphthene-d10	164	8.528	8.525	0.003	93	291951	4.00	
* 4 Phenanthrene-d10	188	9.783	9.786	-0.003	97	504862	4.00	
* 5 Chrysene-d12	240	12.337	12.339	-0.002	78	516391	4.00	
* 6 Perylene-d12	264	14.410	14.412	-0.002	90	410327	4.00	
$ 7 2-Fluorophenol	112		4.673					
$ 8 Phenol-d5	99		5.571					
$ 9 Nitrobenzene-d5	82		6.404					
$ 10 2-Fluorobiphenyl (Surr)	172		7.943					
$ 11 2,4,6-Tribromophenol	330		9.193					
$ 12 Terphenyl-d14	244		11.143					
23 2,5-Dichlorophenol	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
20 Dimethylformamide	1		0.000					
22 Bis(2-hydroxyphenyl)methane	1		0.000					
19 Octachlorostyrene	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
13 Octachlorocyclopentene	1		0.000					
25 1,4-Dioxane	88		2.456					
35 Acrylamide	71		2.744					
26 N-Nitrosodimethylamine	74		2.921					
27 Pyridine	79		2.974					2
42 Phenylmercaptan	110		3.596					
28 Ethyl methacrylate	69		3.632					
232 1-Methyl-2-pyrrilidinone	99		3.880					
29 3-Chloropropionitrile	54		4.011					
31 2-Picoline	93		4.068					9
52 Indene	115		4.084					
32 N-Nitrosomethylethylamine	88		4.212					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
33 Malononitrile	66		4.374					
17 4-Chlorophenol	128		4.500					
34 Methyl methanesulfonate	80		4.532					
30 3-Picoline	93		4.591					9
24 Catechol	110		4.592					
233 n,n'-Dimethylacetamide	44		4.618					
15 3-Methylcatechol	124		4.913					
36 N-Nitrosodiethylamine	102		4.944					
14 4-Methylcatechol	124		5.036					
81 Benzothiazole	135		5.046					
82 Quinoline	129		5.099					
37 Ethyl methanesulfonate	79		5.232					9
38 2-Methylcyclohexanone	68		5.441					
39 3-Methylcyclohexanone	69		5.478					
41 Benzaldehyde	77		5.523					
40 4-Methylcyclohexanone	55		5.526					
43 Phenol	94		5.581					
44 Aniline	93		5.619					
69 Bis(2-chloroethyl)ether	93		5.672					
45 Pentachloroethane	167		5.697					
96 3,4-Dichloronitrobenzene	109		5.725					
46 2-Chlorophenol	128		5.731					
101 Phenyl ether	170		5.773					
47 1,3-Dichlorobenzene	146		5.870					
48 1,4-Dichlorobenzene	146		5.934					
49 Benzyl alcohol	108		6.030					
50 1,2-Dichlorobenzene	146		6.073					
51 2-Methylphenol	108		6.126					
53 2,2'-oxybis[1-chloropropane]	45		6.153					
21 3 & 4 Methylphenol	108		6.255					
57 N-Nitrosodi-n-propylamine	70		6.265					
58 Acetophenone	105		6.271					
56 N-Nitrosopyrrolidine	100		6.274					
59 N-Nitrosomorpholine	56		6.306					9
60 2-Toluidine	106		6.327					9
61 Hexachloroethane	117		6.372					
62 Nitrobenzene	77		6.420					
63 N-Nitrosopiperidine	114		6.578					
64 Isophorone	82		6.623					
66 2-Nitrophenol	139		6.698					
67 1,3,5-Trichlorobenzene	180		6.709					
65 2,4-Dimethylphenol	107		6.719					
71 Benzoic acid	122		6.789					
68 o,o',o''-Triethylphosphorothioat	198		6.798					
70 Bis(2-chloroethoxy)methane	93		6.799					
73 2,4-Dichlorophenol	162		6.906					
72 alpha,alpha-Dimethyl phenethylam	58		6.920					
74 1,2,4-Trichlorobenzene	180		6.981					
75 Naphthalene	128		7.051					
76 4-Chloroaniline	127		7.088					
77 2,6-Dichlorophenol	162		7.123					
79 Hexachlorobutadiene	225		7.147					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
78 Hexachloropropene	213		7.155					
80 1,2,3-Trichlorobenzene	180		7.173					
84 Caprolactam	113		7.371					
83 N-Nitrosodi-n-butylamine	84		7.385					
85 p-Phenylene diamine	108		7.407					9
86 4-Chloro-3-methylphenol	107		7.483					
94 Safrole, Total	162		7.577					
153 Diphenylsulfone	125		7.616					
87 2-Methylnaphthalene	142		7.638					
88 1-Methylnaphthalene	142		7.724					
89 Hexachlorocyclopentadiene	237		7.766					
90 1,2,3,5-Tetrachlorobenzene	216		7.766					
91 1,2,4,5-Tetrachlorobenzene	216		7.807					
225 Isosafrole Peak 1	162		7.823					9
92 2,4,6-Trichlorophenol	196		7.873					
93 2,4,5-Trichlorophenol	196		7.905					
97 2,4-Toluene diamine	121		8.012					
227 Isosafrole Peak 2	162		8.016					9
99 1,2,3,4 -Tetrachlorobenzene	216		8.023					
98 1,1'-Biphenyl	154		8.028					
100 2-Chloronaphthalene	162		8.055					
102 2-Nitroaniline	65		8.130					
103 1,4-Naphthoquinone	158		8.224					
104 1,4-Dinitrobenzene	168		8.267					
105 Dimethyl phthalate	163		8.269					
107 2,6-Dinitrotoluene	165		8.327					
106 1,3-Dinitrobenzene	168		8.331					
108 1,2-Dinitrobenzene	168		8.375					
109 Acenaphthylene	152		8.413					
110 3-Nitroaniline	138		8.477					
112 Acenaphthene	153		8.557					
111 2,4-Dinitrophenol	184	8.560	8.562	-0.002	25	3372	1.78	
113 4-Nitrophenol	109		8.600					
114 2,4-Dinitrotoluene	165		8.669					
115 Pentachlorobenzene	250		8.689					
116 Dibenzofuran	168		8.701					
118 2,3,5,6-Tetrachlorophenol	232		8.760					
117 1-Naphthylamine	143		8.790					9
119 2,3,4,6-Tetrachlorophenol	232		8.822					
120 2-Naphthylamine	143		8.854					
121 Diethyl phthalate	149		8.856					
122 Thionazin	97		8.956					9
123 4-Chlorophenyl phenyl ether	204		8.974					
125 4-Nitroaniline	138		8.990					
126 Fluorene	166		8.990					
128 4,6-Dinitro-2-methylphenol	198		9.011					9
124 N-Nitro-o-toluidine	152		9.015					9
127 Tributyl phosphate	99		9.047					9
131 N-Nitrosodiphenylamine	169		9.070					
130 Diphenylamine	169		9.100					
133 Azobenzene	77		9.107					
132 1,2-Diphenylhydrazine	77		9.107					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
134 Sulfotepp	202		9.207					
176 Hexabromobenzene	232		9.208					
135 1,3,5-Trinitrobenzene	213		9.298					
228 Diallate Peak 1	86		9.335					
137 Phenacetin	108		9.340					
138 Phorate	121		9.346					
139 4-Bromophenyl phenyl ether	248		9.390					
230 Diallate Peak 2	86		9.415					
141 Hexachlorobenzene	284		9.454					
140 Dimethoate	87		9.490					9
142 Atrazine	200		9.503					
179 6-Methylchrysene	242		9.576					
143 Pentachlorophenol	266		9.615					
129 4-Aminobiphenyl	169		9.640					9
145 Pentachloronitrobenzene	237		9.650					9
144 Pronamide	173		9.666					
147 Dinoseb	211		9.778					
146 Disulfoton	88		9.784					9
148 Phenanthrene	178		9.807					
149 Anthracene	178		9.850					
150 DFTPP								
151 Carbazole	167		9.978					
152 Methyl parathion	109		10.104					
154 Di-n-butyl phthalate	149		10.229					
155 Ethyl Parathion	97		10.425					9
156 4-Nitroquinoline-1-oxide	190		10.478					
157 Methapyrilene	58		10.526					
158 Isodrin	66		10.719					
159 Fluoranthene	202		10.817					
160 Benzidine	184		10.913					
161 Pyrene	202		11.025					
166 4,4'-DDE	246		11.116					9
226 Aramite Peak 1	185		11.130					9
229 Aramite Peak 2	185		11.205					9
163 p-Dimethylamino azobenzene	225		11.312					
164 Chlorobenzilate	139		11.344					
165 4,4'-DDD	235		11.450					
167 Famphur	218		11.605					
168 Butyl benzyl phthalate	149		11.618					
169 3,3'-Dimethylbenzidine	212		11.664					
187 Dibenz[a,h]acridine	279		11.729					
170 4,4'-DDT	235		11.738					
186 Dibenz[a,j]acridine	279		11.804					
171 2-Acetylaminofluorene	181		11.953					
172 3,3'-Dimethoxybenzidine	244		12.227					
175 3,3'-Dichlorobenzidine	252		12.270					
174 4,4'-Methylene bis(2-chloroanili	231		12.270					
173 Bis(2-ethylhexyl) phthalate	149		12.291					
177 Benzo[a]anthracene	228		12.323					
178 Chrysene	228		12.371					
180 Di-n-octyl phthalate	149		13.199					
182 Benzo[b]fluoranthene	252		13.830					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
181 7,12-Dimethylbenz(a)anthracene	256		13.871					
183 Benzo[k]fluoranthene	252		13.872					
184 Benzo[a]pyrene	252		14.332					
185 3-Methylcholanthrene	268		14.928					
188 Indeno[1,2,3-cd]pyrene	276		16.073					
189 Dibenz(a,h)anthracene	278		16.105					
190 Benzo[g,h,i]perylene	276		16.527					
S 191 Methyl Phenols,Total	100		0.000					7
S 95 Isosafrole	162		5.568					7
S 136 Diallate	86		6.701					7
S 162 Aramite, Total	185		8.271					7
T 195 Hydroquinone TIC	110		0.000					
T 240 Trimethyl phosphate TIC	110		3.120					1
T 193 Hexamethylphosphoramide TIC	135		5.100					1
T 194 Decane TIC	142		5.800					
T 234 2-Isopropylphenol TIC	121		7.019					
T 235 4-isopropylphenol TIC	121		7.173					
T 236 3-isopropylphenol TIC	121		7.173					
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		7.537					
T 196 Kepone TIC	272		8.281					
T 242 Triphenyl Phosphate TIC	326		8.700					1
T 238 2,3,7,8-TCDD TIC	1		9.000					1
T 197 Hexachlorophene TIC	198		9.269					24
T 241 Tricresyl phosphate TIC	368		9.372					1
T 192 Octadecane (TIC)	254		9.600					
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					1
T 231 2,3,7,8-TCDD	322		12.400					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
2 - Failed Coelution Test
4 - Failed Signal Ratio Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

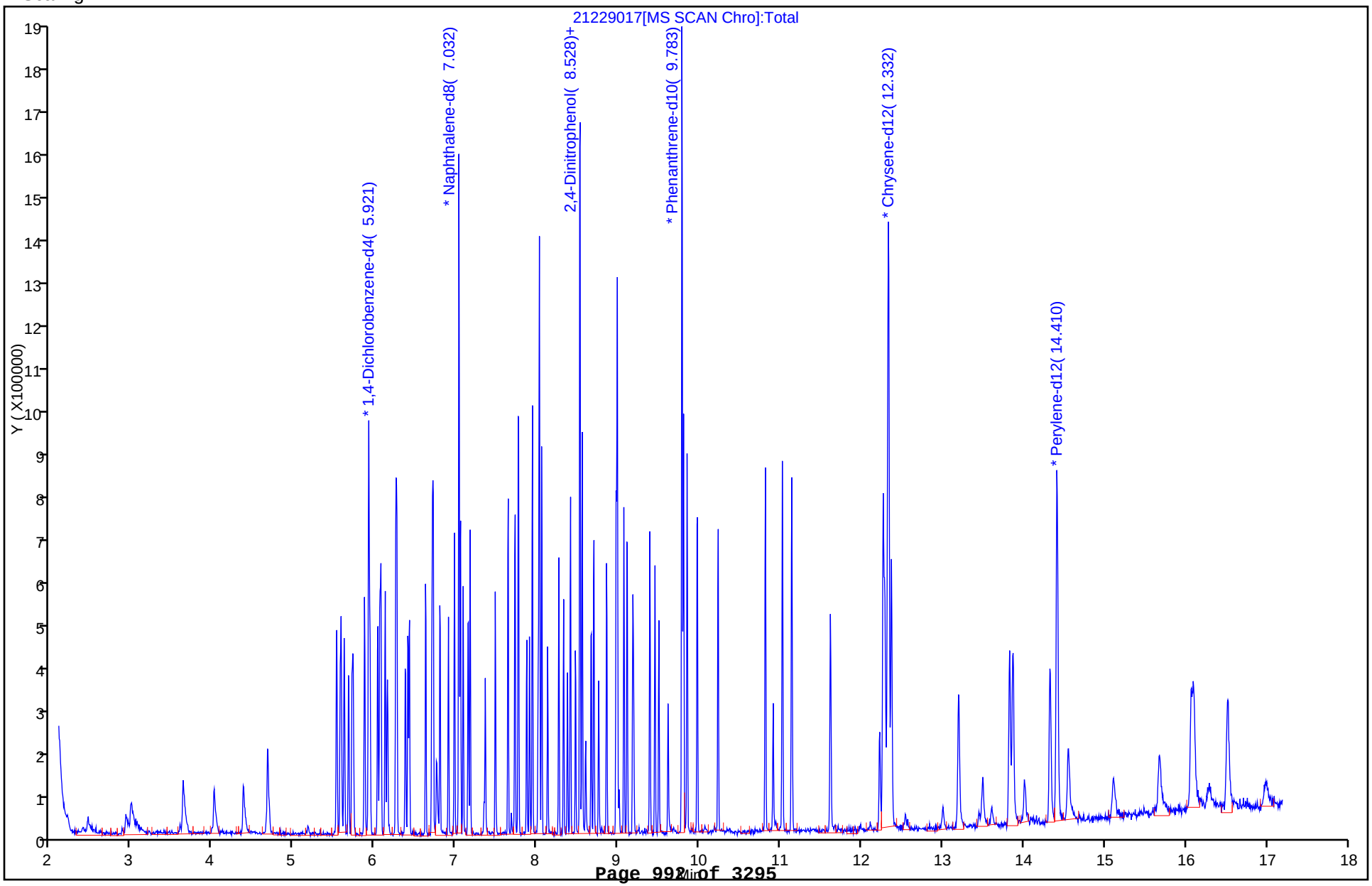
Report Date: 31-Dec-2012 12:21:09 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121229-16269.b\21229017.D

Injection Date:	29-Dec-2012 18:23:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	70566	Lims Sample ID:	17
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107001.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	07-Nov-2012 11:21:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	240-0014744-001		
Misc. Info.:	dftpp =DFTPP		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	1
Lims Batch ID:	64102	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\8270_hp7.m		
Last Update:	08-Nov-2012 13:38:02	Calib Date:	07-Nov-2012 14:51:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK004		
First Level Reviewer: gruberj		Date:	07-Nov-2012 14:45:23

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.594	9.594	0.0	86	694720	0	
148 DFTPP								
158 Benzidine	184	10.894	10.894	0.0	99	3841446	0	
164 4,4'-DDE	246	11.060	11.060	0.0	28	2345	0	
163 4,4'-DDD	235	11.434	11.434	0.0	56	18208	0	
168 4,4'-DDT	235	11.718	11.718	0.0	98	1755901	0	

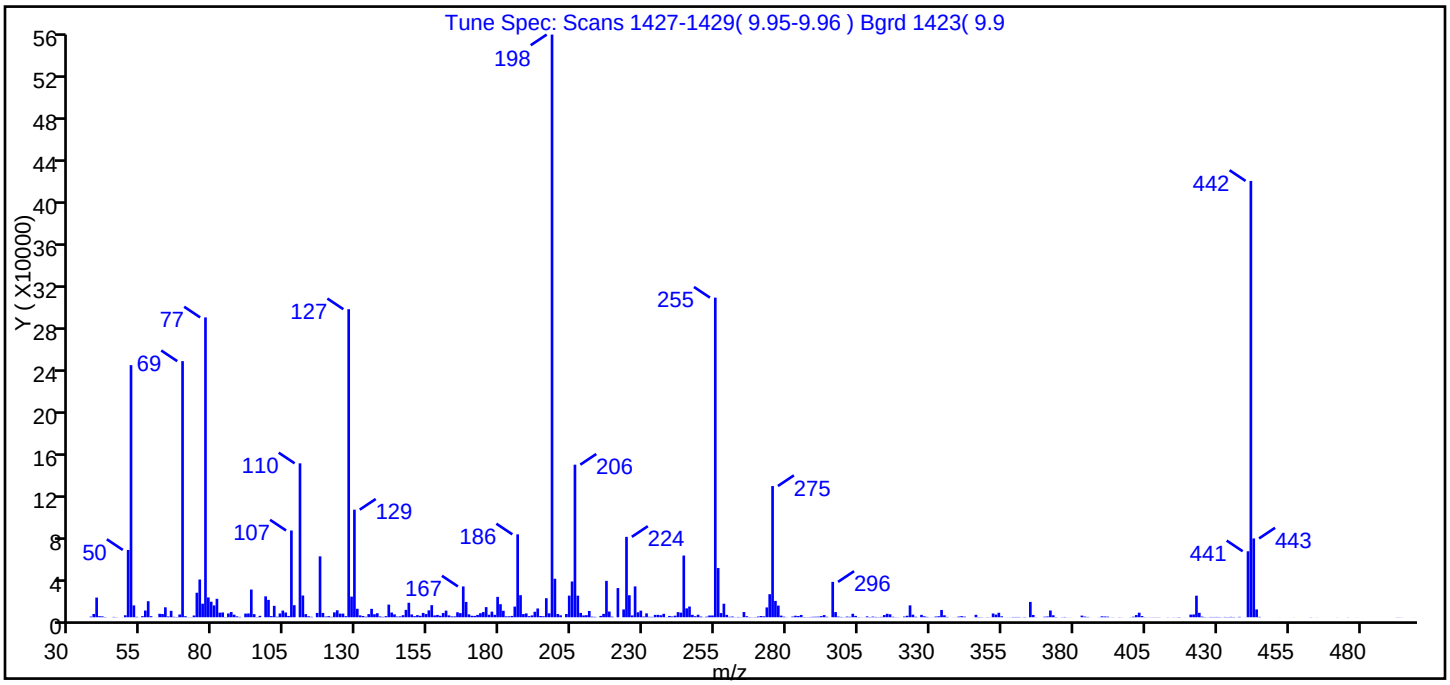
Report Date: 08-Nov-2012 13:38:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

MS Tune Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107001.D		
Injection Date:	07-Nov-2012 11:21:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	64102	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm
Tune Method:	DFTPP Method CLP OLM4.2		

148 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	43.27
68	Less than 2.00% of mass 69	0.48 (1.09)
69	Present	43.95
70	Less than 2.00% of mass 69	0.18 (0.41)
127	25.00 - 75.00% of mass 198	52.87
197	Less than 1.00% of mass 198	0.67
199	5.00 - 9.00% of mass 198	6.61
275	10.00 - 30.00% of mass 198	22.52
365	Greater than 0.75% of mass 198	2.63
441	Present, but less than mass 443%	11.33 (83.75)
442	40.00 - 110.00% of mass 198	74.89
443	15.00 - 24.00% of mass 442	13.52 (18.06)

Data File: \\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107001.D\8270_hp7.rslt\spectra.d
Injection Date: 07-Nov-2012 11:21:30
Spectrum: Tune Spec: Scans 1427-1429(9.95-9.96) Bgrd 1423(9.9
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 386

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	646	141.00	12119	241.00	1517	342.00	603
38.00	3153	142.00	4521	242.00	4915	345.00	53
39.00	18848	143.00	2742	243.00	4403	346.00	2341
40.00	1060	144.00	677	244.00	59144	347.00	250
41.00	839	145.00	848	245.00	8520	348.00	173
42.00	234	146.00	1980	246.00	10290	349.00	54
45.00	327	147.00	7085	247.00	2308	350.00	179
46.00	141	148.00	13885	248.00	986	351.00	110
48.00	79	149.00	2706	249.00	2431	352.00	3599
49.00	1890	150.00	1077	250.00	652	353.00	2571
50.00	64504	151.00	2037	251.00	113	354.00	4303
51.00	241600	152.00	1396	252.00	603	355.00	929
52.00	11345	153.00	4144	253.00	1699	356.00	57
53.00	416	154.00	3040	254.00	1711	357.00	68
54.00	37	155.00	6612	255.00	306304	358.00	93
55.00	1054	156.00	11593	256.00	47176	359.00	277
56.00	6421	157.00	1760	257.00	4007	360.00	297
57.00	15375	158.00	2242	258.00	12972	361.00	286
58.00	980	159.00	1417	259.00	2290	362.00	50
60.00	52	160.00	4090	260.00	461	363.00	261
61.00	3310	161.00	6351	261.00	690	365.00	14691
62.00	3104	162.00	1807	262.00	132	366.00	2225
63.00	9536	163.00	835	263.00	322	367.00	132
64.00	774	164.00	807	264.00	167	370.00	532
65.00	6172	165.00	4775	265.00	4992	371.00	711
66.00	431	166.00	3926	266.00	962	372.00	6493
67.00	253	167.00	29536	267.00	257	373.00	1889
68.00	2664	168.00	14685	268.00	125	374.00	221
69.00	245440	169.00	2768	269.00	217	376.00	149
70.00	1000	170.00	1399	270.00	695	377.00	296
71.00	154	171.00	1305	271.00	1184	378.00	50
72.00	179	172.00	2266	272.00	900	379.00	72
73.00	1688	173.00	3899	273.00	9418	383.00	1586

Report Date: 08-Nov-2012 13:38:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48
Data File: \\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107001.D\8270_hp7.rslt\spectra.d
Injection Date: 07-Nov-2012 11:21:30
Spectrum: Tune Spec: Scans 1427-1429(9.95-9.96) Bgrd 1423(9.9
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 386

m/z	Y	m/z	Y	m/z	Y	m/z	Y
74.00	23496	174.00	4990	274.00	22104	384.00	672
75.00	36176	175.00	9724	275.00	125760	385.00	337
76.00	12994	176.00	2392	276.00	15697	386.00	53
77.00	287360	177.00	5387	277.00	11169	389.00	107
78.00	19000	178.00	2319	278.00	1572	390.00	899
79.00	14891	179.00	19536	279.00	553	391.00	743
80.00	11346	180.00	12506	280.00	114	392.00	608
81.00	17672	181.00	6214	282.00	670	393.00	82
82.00	4385	182.00	887	283.00	1481	394.00	102
83.00	4592	183.00	922	284.00	1157	396.00	150
84.00	250	184.00	1273	285.00	2210	397.00	83
85.00	3624	185.00	10227	286.00	260	400.00	147
86.00	5017	186.00	79456	287.00	187	401.00	562
87.00	2452	187.00	21160	288.00	285	402.00	2068
88.00	853	188.00	3053	289.00	436	403.00	4380
89.00	371	189.00	3665	290.00	518	404.00	1130
91.00	3509	190.00	1062	291.00	594	405.00	183
92.00	3635	191.00	1778	292.00	1127	406.00	77
93.00	26568	192.00	5246	293.00	2093	407.00	109
94.00	2971	193.00	8409	294.00	451	408.00	157
95.00	242	194.00	1180	296.00	33912	409.00	149
96.00	1359	195.00	966	297.00	4947	410.00	159
98.00	20032	196.00	18272	298.00	652	413.00	142
99.00	16656	197.00	3766	299.00	336	415.00	107
100.00	1091	198.00	558400	300.00	146	416.00	106
101.00	10950	199.00	36904	301.00	646	417.00	247
102.00	475	200.00	3145	302.00	437	419.00	59
103.00	3624	201.00	1860	303.00	3356	421.00	2549
104.00	6386	203.00	3123	304.00	1301	422.00	2685
105.00	4572	204.00	20736	305.00	226	423.00	20680
106.00	1285	205.00	34288	306.00	121	424.00	4235
107.00	83144	206.00	146240	307.00	53	425.00	638
108.00	11554	207.00	20680	308.00	885	426.00	213
110.00	147520	208.00	4188	309.00	250	427.00	114

Report Date: 08-Nov-2012 13:38:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48
Data File: \\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107001.D\8270_hp7.rslt\spectra.d
Injection Date: 07-Nov-2012 11:21:30
Spectrum: Tune Spec: Scans 1427-1429(9.95-9.96) Bgrd 1423(9.9
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 386

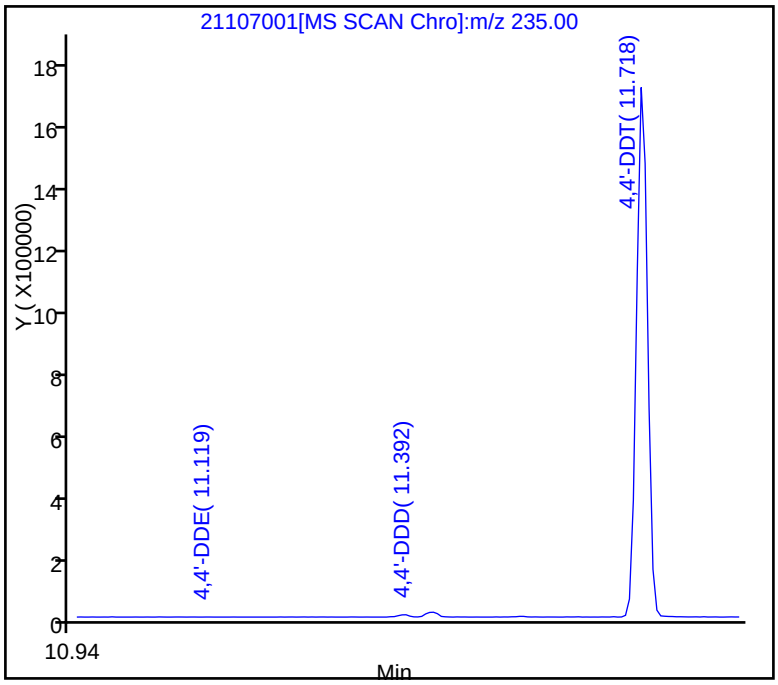
m/z	Y	m/z	Y	m/z	Y	m/z	Y
111.00	20840	209.00	1745	310.00	613	428.00	297
112.00	2996	210.00	2005	311.00	334	429.00	284
113.00	961	211.00	6005	312.00	223	430.00	332
114.00	461	212.00	579	313.00	384	431.00	256
115.00	3	213.00	392	314.00	2112	432.00	87
116.00	4165	214.00	54	315.00	3333	433.00	305
117.00	58376	215.00	1296	316.00	2863	434.00	247
118.00	4142	216.00	3236	317.00	474	435.00	381
119.00	676	217.00	34864	318.00	132	436.00	258
120.00	1056	218.00	5478	319.00	114	437.00	58
121.00	433	219.00	575	321.00	682	438.00	398
122.00	4676	221.00	27992	322.00	1435	440.00	57
123.00	6717	223.00	7491	323.00	11410	441.00	63248
124.00	3499	224.00	77056	324.00	2478	442.00	418176
125.00	3503	225.00	21104	325.00	504	443.00	75520
126.00	1021	226.00	1757	326.00	56	444.00	7513
127.00	295232	227.00	29568	327.00	2294	445.00	389
128.00	19784	228.00	4760	328.00	930	452.00	50
129.00	103112	229.00	6326	329.00	365	457.00	62
130.00	8123	230.00	675	330.00	66	463.00	136
131.00	1811	231.00	3717	331.00	82	465.00	84
132.00	1231	232.00	472	332.00	681	472.00	66
133.00	523	233.00	379	333.00	967	476.00	114
134.00	3022	234.00	2254	334.00	6990	479.00	50
135.00	8068	235.00	2314	335.00	1857	493.00	132
136.00	2922	236.00	1919	336.00	335	494.00	110
137.00	3861	237.00	3287	338.00	76	495.00	64
138.00	769	238.00	162	339.00	55	499.00	52
139.00	403	239.00	1249	340.00	639		
140.00	1061	240.00	742	341.00	1066		

Breakdown Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107001.D		
Injection Date:	07-Nov-2012 11:21:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	64102	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

168 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

168 4,4'-DDT, Area = 1755901
163 4,4'-DDD, Area = 18208
164 4,4'-DDE, Area = 2345

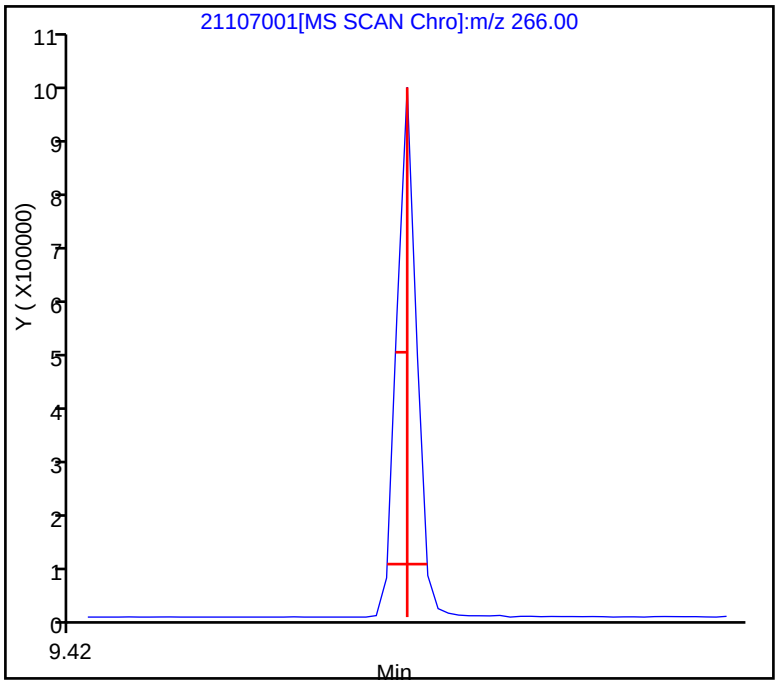
%Breakdown: 1.16%, Max Limit: 20.00%
Passed

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107001.D		
Injection Date:	07-Nov-2012 11:21:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	64102	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

141 Pentachlorophenol, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.010 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.0, Max. Tailing < 5.00
Passed

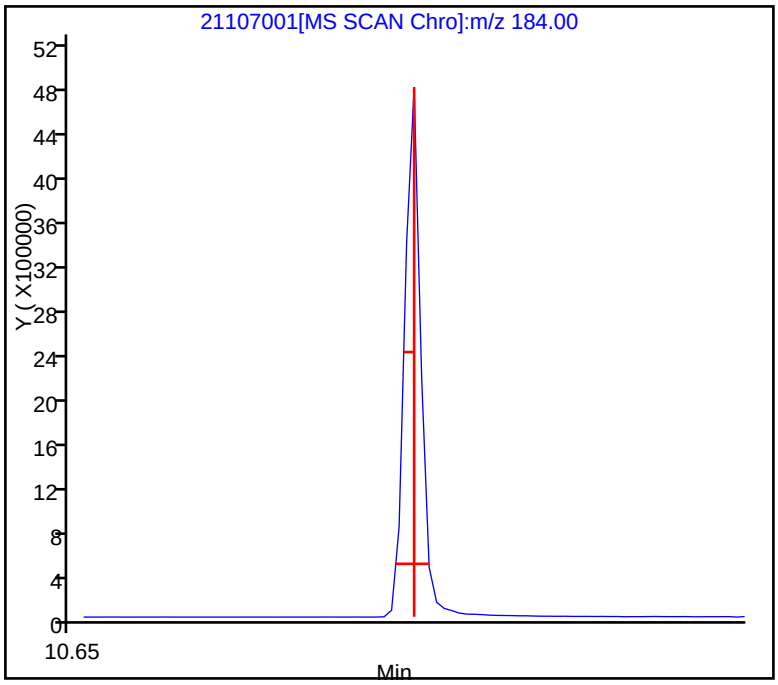
Report Date: 08-Nov-2012 13:38:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107001.D		
Injection Date:	07-Nov-2012 11:21:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	64102	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

158 Benzidine, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.013 (min.)

Tailing Factor = 0.8, Max. Tailing < 3.00
Passed

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121121-15157.b\21121001.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	21-Nov-2012 11:18:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	240-0015157-001		
Misc. Info.:	dftpp =DFTPP		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	1
Lims Batch ID:	65876	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121121-15157.b\8270_hp7.m		
Last Update:	23-Nov-2012 10:11:29	Calib Date:	14-Nov-2012 18:19:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20121114-14953.b\21114010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK037		

First Level Reviewer: gruberj Date: 21-Nov-2012 12:35:54

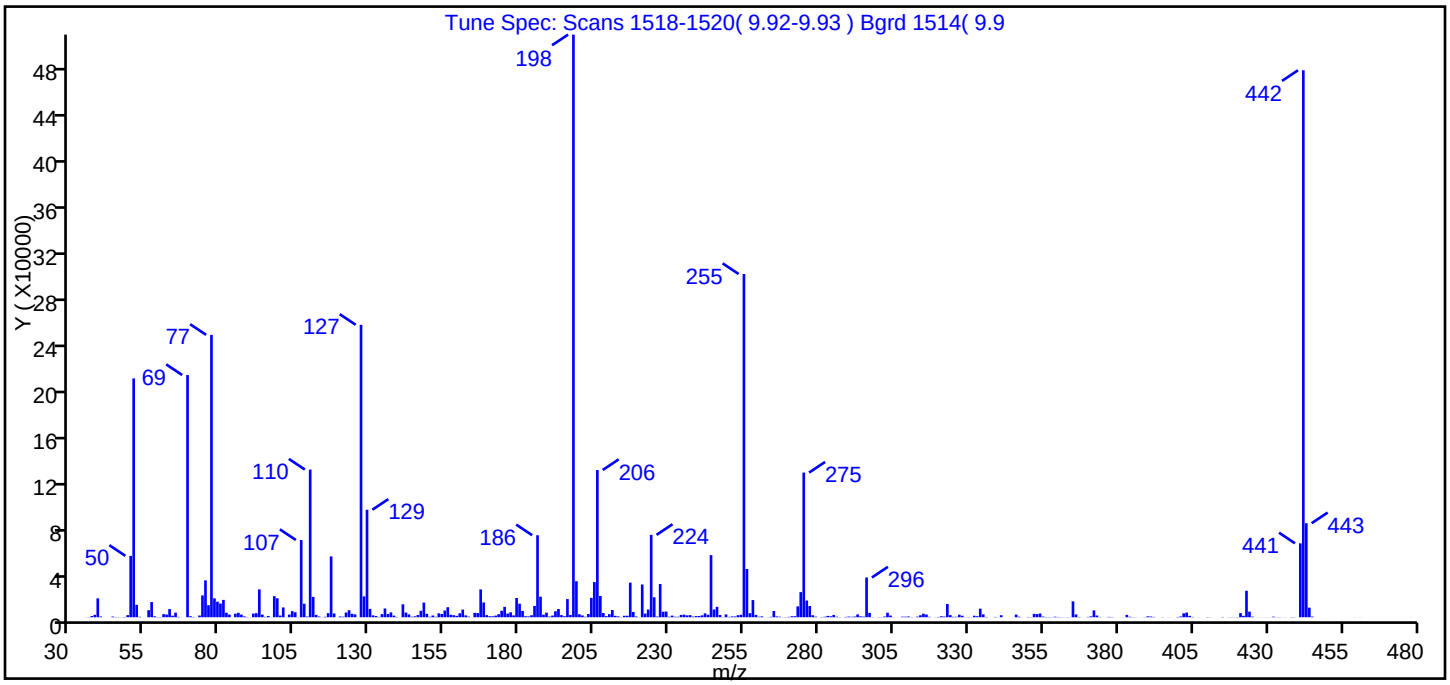
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.564	9.564	0.0	86	591173	0	
148 DFTPP								
158 Benzidine	184	10.859	10.859	0.0	100	3483239	0	
164 4,4'-DDE	246	11.019	11.019	0.0	30	2359	0	
163 4,4'-DDD	235	11.388	11.388	0.0	83	18153	0	
168 4,4'-DDT	235	11.672	11.672	0.0	98	1645645	0	

MS Tune Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121121-15157.b\21121001.D		
Injection Date:	21-Nov-2012 11:18:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	65876	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm
Tune Method:	DFTPP Method CLP OLM4.2		

148 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	40.99
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	41.57
70	Less than 2.00% of mass 69	0.18 (0.44)
127	25.00 - 75.00% of mass 198	50.19
197	Less than 1.00% of mass 198	0.41
199	5.00 - 9.00% of mass 198	6.18
275	10.00 - 30.00% of mass 198	24.83
365	Greater than 0.75% of mass 198	2.73
441	Present, but less than mass 443%	12.69 (78.62)
442	40.00 - 110.00% of mass 198	93.88
443	15.00 - 24.00% of mass 442	16.14 (17.19)

Report Date: 23-Nov-2012 10:11:29 Chrom Revision: 2.0 15-Nov-2012 14:43:54

Data File: \\Ncchrom\ChromData\A4HP7\20121121-15157.b\21121001.D\8270_hp7.rslt\spectra.d
Injection Date: 21-Nov-2012 11:18:30
Spectrum: Tune Spec: Scans 1518-1520(9.92-9.93) Bgrd 1514(9.9
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 370

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	68	137.00	4269	230.00	457	330.00	170
36.00	179	138.00	1429	231.00	1420	331.00	117
37.00	1052	139.00	275	232.00	434	332.00	1346
38.00	2117	140.00	4	233.00	452	333.00	899
39.00	16464	141.00	11296	234.00	2053	334.00	7487
40.00	688	142.00	4066	235.00	2254	335.00	2503
44.00	604	143.00	2463	236.00	1640	336.00	284
45.00	188	144.00	473	237.00	1855	339.00	276
46.00	154	145.00	811	238.00	587	340.00	85
47.00	128	146.00	1944	239.00	1028	341.00	1754
48.00	223	147.00	5651	240.00	1083	346.00	2333
49.00	1846	148.00	12816	241.00	1656	347.00	483
50.00	53520	149.00	2992	242.00	3398	348.00	59
51.00	208192	150.00	431	243.00	2175	350.00	257
52.00	10832	151.00	1531	244.00	54152	351.00	171
53.00	407	152.00	390	245.00	6753	352.00	2964
56.00	6148	153.00	3423	246.00	9093	353.00	2793
57.00	13232	154.00	2893	247.00	1974	354.00	3284
58.00	843	155.00	5839	248.00	174	355.00	593
59.00	215	156.00	8752	249.00	2497	356.00	197
60.00	248	157.00	2231	250.00	358	357.00	231
61.00	2727	158.00	1817	251.00	709	358.00	150
62.00	2350	159.00	1251	252.00	689	359.00	484
63.00	7116	160.00	3453	253.00	1784	360.00	248
64.00	1348	161.00	6706	254.00	2198	361.00	168
65.00	4007	162.00	1650	255.00	299200	362.00	75
66.00	351	163.00	552	256.00	42088	363.00	175
67.00	60	164.00	38	257.00	3547	364.00	106
69.00	211136	165.00	3895	258.00	14992	365.00	13864
70.00	920	166.00	3696	259.00	2026	366.00	2442
71.00	273	167.00	24256	260.00	438	367.00	282
72.00	22	168.00	12893	261.00	780	368.00	53
73.00	1505	169.00	1859	263.00	123	370.00	302

Report Date: 23-Nov-2012 10:11:29 Chrom Revision: 2.0 15-Nov-2012 14:43:54
Data File: \\Ncchrom\ChromData\A4HP7\20121121-15157.b\21121001.D\8270_hp7.rslt\spectra.d
Injection Date: 21-Nov-2012 11:18:30
Spectrum: Tune Spec: Scans 1518-1520(9.92-9.93) Bgrd 1514(9.9
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 370

m/z	Y	m/z	Y	m/z	Y	m/z	Y
74.00	19040	170.00	887	264.00	399	371.00	767
75.00	32160	171.00	863	265.00	5454	372.00	5966
76.00	10506	172.00	1438	266.00	734	373.00	1501
77.00	246144	173.00	2642	267.00	472	374.00	146
78.00	16464	174.00	5676	268.00	109	376.00	80
79.00	13583	175.00	9048	269.00	186	377.00	338
80.00	11907	176.00	3230	270.00	330	378.00	230
81.00	15139	177.00	4321	271.00	864	381.00	55
82.00	3930	178.00	1646	272.00	904	382.00	74
83.00	2327	179.00	16776	273.00	9499	383.00	2056
85.00	3100	180.00	11808	274.00	21904	384.00	454
86.00	3903	181.00	5519	275.00	126096	385.00	187
87.00	2327	182.00	918	276.00	14578	386.00	114
88.00	769	183.00	730	277.00	9817	389.00	151
89.00	244	184.00	1751	278.00	1745	390.00	815
90.00	112	185.00	9858	279.00	543	391.00	653
91.00	3216	186.00	71488	281.00	241	392.00	319
92.00	3519	187.00	17912	282.00	428	395.00	156
93.00	24296	188.00	2237	283.00	1201	397.00	88
94.00	2321	189.00	4013	284.00	855	400.00	269
95.00	355	190.00	586	285.00	2009	401.00	673
96.00	1138	191.00	1463	286.00	503	402.00	3400
97.00	72	192.00	5235	287.00	167	403.00	4102
98.00	18432	193.00	7192	289.00	321	404.00	1264
99.00	16552	194.00	1871	290.00	575	405.00	275
100.00	1502	195.00	897	291.00	409	407.00	74
101.00	8558	196.00	15848	292.00	618	410.00	232
102.00	74	197.00	2058	293.00	2441	411.00	60
103.00	2354	198.00	507904	294.00	808	415.00	262
104.00	5338	199.00	31392	295.00	573	417.00	139
105.00	4372	200.00	2611	296.00	34664	418.00	149
106.00	144	201.00	1589	297.00	3821	419.00	115
107.00	67328	202.00	450	298.00	170	420.00	198
108.00	11803	203.00	2859	300.00	188	421.00	3637

Report Date: 23-Nov-2012 10:11:29 Chrom Revision: 2.0 15-Nov-2012 14:43:54
Data File: \\Ncchrom\ChromData\A4HP7\20121121-15157.b\21121001.D\8270_hp7.rslt\spectra.d
Injection Date: 21-Nov-2012 11:18:30
Spectrum: Tune Spec: Scans 1518-1520(9.92-9.93) Bgrd 1514(9.9
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 370

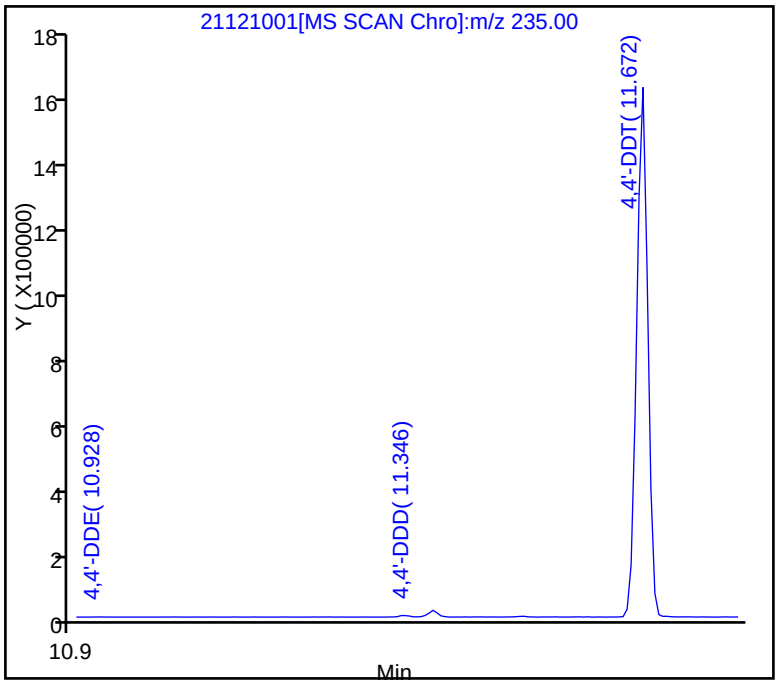
m/z	Y	m/z	Y	m/z	Y	m/z	Y
109.00	607	204.00	16920	301.00	153	422.00	1243
110.00	128744	205.00	30664	302.00	629	423.00	23096
111.00	17768	206.00	128336	303.00	3948	424.00	4875
112.00	2087	207.00	18560	304.00	1473	425.00	536
113.00	675	208.00	3691	305.00	128	427.00	63
114.00	93	209.00	965	308.00	517	428.00	56
115.00	416	210.00	2718	309.00	500	429.00	60
116.00	3587	211.00	6313	310.00	695	430.00	83
117.00	53032	212.00	1237	311.00	164	431.00	70
118.00	3322	213.00	785	312.00	62	432.00	520
120.00	652	214.00	149	313.00	547	433.00	86
121.00	499	215.00	1305	314.00	1751	434.00	166
122.00	4109	216.00	1354	315.00	3111	435.00	70
123.00	6122	217.00	30160	316.00	2390	436.00	76
124.00	3021	218.00	4620	317.00	383	438.00	198
125.00	2506	219.00	678	319.00	99	439.00	182
127.00	254912	220.00	94	320.00	301	441.00	64440
128.00	18208	221.00	28576	321.00	883	442.00	476800
129.00	93704	222.00	3201	322.00	598	443.00	81968
130.00	7324	223.00	6738	323.00	11589	444.00	8347
131.00	1642	224.00	71816	324.00	1846	445.00	596
132.00	1124	225.00	17400	325.00	384	459.00	57
133.00	300	226.00	622	326.00	424	461.00	56
134.00	2709	227.00	28960	327.00	2235	478.00	58
135.00	7665	228.00	4835	328.00	1328		
136.00	2885	229.00	4983	329.00	98		

Breakdown Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121121-15157.b\21121001.D		
Injection Date:	21-Nov-2012 11:18:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	65876	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

168 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

168 4,4'-DDT, Area = 1645645
163 4,4'-DDD, Area = 18153
164 4,4'-DDE, Area = 2359

%Breakdown: 1.23%, Max Limit: 20.00%
Passed

Report Date: 23-Nov-2012 10:11:29 Chrom Revision: 2.0 15-Nov-2012 14:43:54

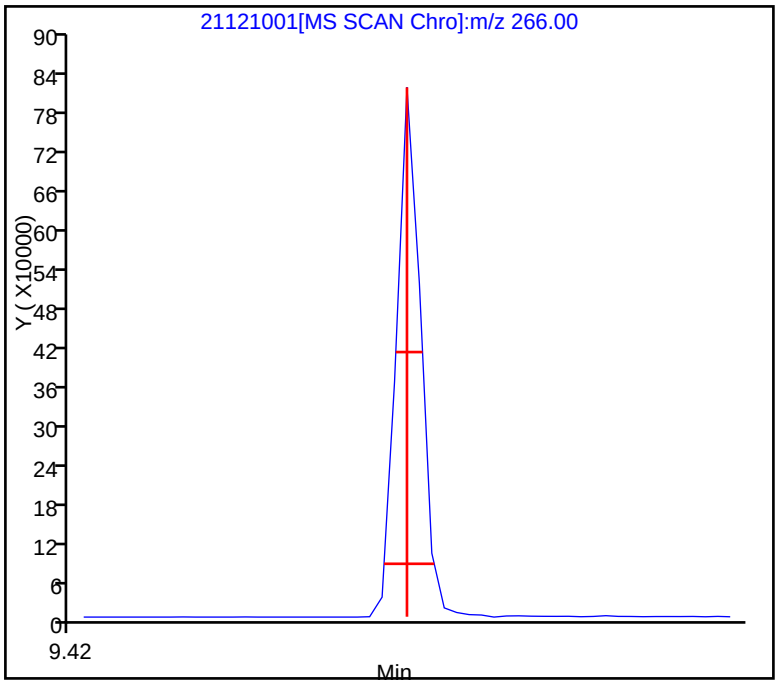
Peak Tailing Report

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121121-15157.b\21121001.D

Injection Date:	21-Nov-2012 11:18:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	65876	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

141 Pentachlorophenol, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.012 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.2, Max. Tailing < 5.00
Passed

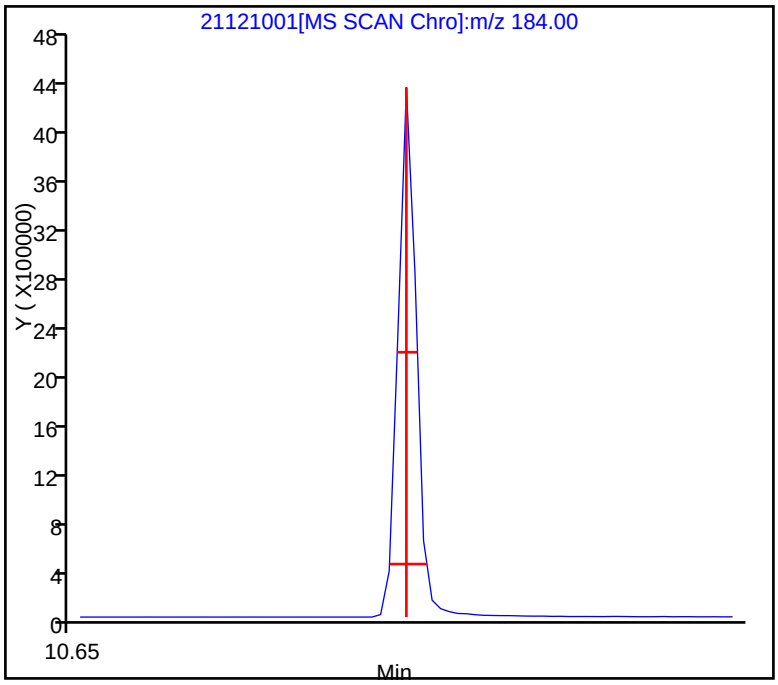
Report Date: 23-Nov-2012 10:11:29 Chrom Revision: 2.0 15-Nov-2012 14:43:54

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121121-15157.b\21121001.D		
Injection Date:	21-Nov-2012 11:18:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	65876	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

158 Benzidine, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.013 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.2, Max. Tailing < 3.00
Passed

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121217-15912.b\21217001.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	17-Dec-2012 10:07:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	240-0015881-001		
Misc. Info.:	dftpp		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	1
Lims Batch ID:	68962	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121217-15912.b\8270_hp7.m		
Last Update:	18-Dec-2012 09:22:48	Calib Date:	14-Nov-2012 18:19:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20121114-14953.b\21114010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK030		
First Level Reviewer: gruberj		Date:	17-Dec-2012 10:33:52

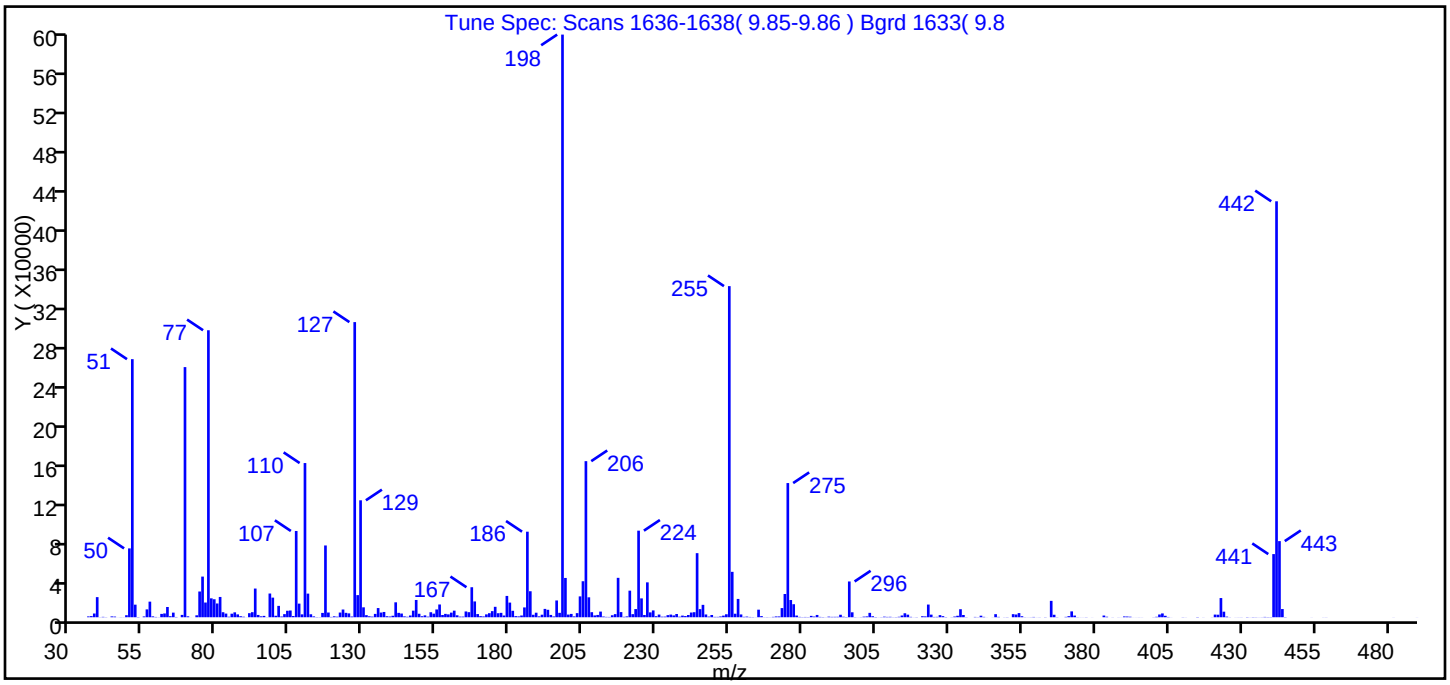
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.501	9.501	0.0	89	654094	0	
148 DFTPP								
158 Benzidine	184	10.790	10.790	0.0	99	3862464	0	
164 4,4'-DDE	246	10.950	10.950	0.0	55	2259	0	
163 4,4'-DDD	235	11.303	11.303	0.0	83	18127	0	
168 4,4'-DDT	235	11.581	11.581	0.0	98	1890156	0	

MS Tune Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121217-15912.b\21217001.D		
Injection Date:	17-Dec-2012 10:07:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	68962	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm
Tune Method:	DFTPP Method CLP OLM4.2		

148 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	44.30
68	Less than 2.00% of mass 69	0.40 (0.94)
69	Present	42.93
70	Less than 2.00% of mass 69	0.16 (0.37)
127	25.00 - 75.00% of mass 198	50.66
197	Less than 1.00% of mass 198	0.76
199	5.00 - 9.00% of mass 198	6.75
275	10.00 - 30.00% of mass 198	23.03
365	Greater than 0.75% of mass 198	2.81
441	Present, but less than mass 443%	10.84 (82.95)
442	40.00 - 110.00% of mass 198	71.39
443	15.00 - 24.00% of mass 442	13.07 (18.30)

Data File: \\Ncchrom\ChromData\A4HP7\20121217-15912.b\21217001.D\8270_hp7.rslt\spectra.d
Injection Date: 17-Dec-2012 10:07:30
Spectrum: Tune Spec: Scans 1636-1638(9.85-9.86) Bgrd 1633(9.8
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 380

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	857	135.00	9330	230.00	1066	326.00	408
37.00	1176	136.00	4758	231.00	2718	327.00	2163
38.00	3793	137.00	5365	232.00	591	328.00	1129
39.00	20408	138.00	1031	233.00	646	329.00	232
40.00	124	139.00	746	234.00	2147	331.00	133
41.00	406	140.00	1516	235.00	2711	332.00	742
42.00	151	141.00	15142	236.00	1846	333.00	1522
44.00	854	142.00	4456	237.00	3284	334.00	8158
45.00	677	143.00	3767	238.00	592	335.00	2293
46.00	51	144.00	884	239.00	1679	336.00	158
47.00	130	145.00	485	240.00	1206	339.00	339
48.00	100	146.00	1773	241.00	2275	340.00	159
49.00	2062	147.00	6692	242.00	4786	341.00	1578
50.00	69824	148.00	17520	243.00	5121	342.00	389
51.00	261696	149.00	3539	244.00	64992	343.00	53
52.00	12770	150.00	1047	245.00	8227	345.00	77
53.00	261	151.00	1925	246.00	12578	346.00	3130
55.00	812	152.00	627	247.00	2823	347.00	397
56.00	7976	153.00	5092	248.00	695	349.00	102
57.00	15830	154.00	3647	249.00	2291	350.00	158
58.00	897	155.00	7901	250.00	387	352.00	3127
59.00	322	156.00	12955	251.00	402	353.00	2796
60.00	124	157.00	2291	252.00	811	354.00	4226
61.00	3403	158.00	3427	253.00	1667	355.00	1041
62.00	3845	159.00	2919	254.00	3030	356.00	138
63.00	10405	160.00	4683	255.00	335744	357.00	75
64.00	1074	161.00	6692	256.00	46056	358.00	120
65.00	4688	162.00	1995	257.00	3565	359.00	321
66.00	294	163.00	653	258.00	18576	360.00	66
68.00	2379	164.00	659	259.00	2840	361.00	115
69.00	253632	165.00	5872	260.00	427	363.00	166
70.00	947	166.00	5133	261.00	684	365.00	16624
71.00	41	167.00	30448	262.00	326	366.00	2530

Report Date: 18-Dec-2012 09:22:48 Chrom Revision: 2.0 27-Nov-2012 13:14:12
Data File: \\Ncchrom\ChromData\A4HP7\20121217-15912.b\21217001.D\8270_hp7.rslt\spectra.d
Injection Date: 17-Dec-2012 10:07:30
Spectrum: Tune Spec: Scans 1636-1638(9.85-9.86) Bgrd 1633(9.8
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 380

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	1977	168.00	16037	263.00	210	367.00	170
74.00	26120	169.00	3239	264.00	95	370.00	398
75.00	41232	170.00	1106	265.00	7686	371.00	1103
76.00	14930	171.00	826	266.00	1155	372.00	5972
77.00	291008	172.00	2927	267.00	142	373.00	1698
78.00	19176	173.00	4107	268.00	177	374.00	158
79.00	18240	174.00	6209	269.00	111	375.00	74
80.00	13967	175.00	10585	270.00	401	376.00	66
81.00	20584	176.00	4086	271.00	812	377.00	150
82.00	5108	177.00	4467	272.00	818	379.00	52
83.00	3719	178.00	1761	273.00	9294	383.00	1745
84.00	547	179.00	21624	274.00	23584	384.00	536
85.00	3601	180.00	14860	275.00	136064	386.00	96
86.00	4977	181.00	6544	276.00	17464	388.00	87
87.00	2900	182.00	1132	277.00	13214	389.00	51
88.00	1052	183.00	875	278.00	1738	390.00	822
89.00	548	184.00	1781	279.00	392	391.00	733
90.00	64	185.00	9968	280.00	208	392.00	543
91.00	4129	186.00	86760	281.00	305	393.00	50
92.00	5129	187.00	26368	282.00	220	394.00	51
93.00	29104	188.00	2514	283.00	1408	395.00	85
94.00	2351	189.00	4610	284.00	705	396.00	68
95.00	944	190.00	924	285.00	2340	400.00	129
96.00	1394	191.00	2579	286.00	371	401.00	473
97.00	116	192.00	8478	287.00	239	402.00	2800
98.00	24064	193.00	7563	288.00	96	403.00	3882
99.00	19896	194.00	2354	289.00	618	404.00	1487
100.00	1507	195.00	796	290.00	399	405.00	304
101.00	11529	196.00	17024	291.00	433	406.00	54
102.00	740	197.00	4475	292.00	463	410.00	140
103.00	3168	198.00	590784	293.00	2539	411.00	69
104.00	6595	199.00	39856	294.00	523	415.00	252
105.00	6833	200.00	2721	295.00	257	417.00	70
106.00	1232	201.00	3393	296.00	36288	420.00	92

Report Date: 18-Dec-2012 09:22:48 Chrom Revision: 2.0 27-Nov-2012 13:14:12
Data File: \\Ncchrom\ChromData\A4HP7\20121217-15912.b\21217001.D\8270_hp7.rslt\spectra.d
Injection Date: 17-Dec-2012 10:07:30
Spectrum: Tune Spec: Scans 1636-1638(9.85-9.86) Bgrd 1633(9.8
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 380

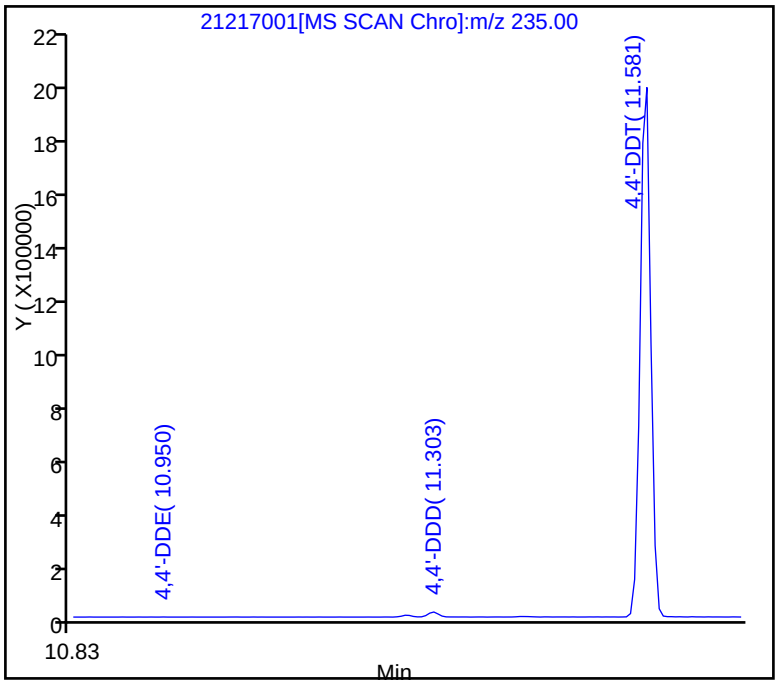
m/z	Y	m/z	Y	m/z	Y	m/z	Y
107.00	87472	202.00	863	297.00	5021	421.00	2709
108.00	13824	203.00	4176	298.00	191	422.00	2581
109.00	2938	204.00	21160	299.00	76	423.00	19472
110.00	156352	205.00	36520	300.00	157	424.00	5656
111.00	23968	206.00	158272	301.00	635	425.00	643
112.00	3023	207.00	20216	302.00	842	426.00	114
113.00	872	208.00	5136	303.00	4457	428.00	66
114.00	227	209.00	1871	304.00	1031	429.00	86
115.00	174	210.00	2344	305.00	264	430.00	104
116.00	4404	211.00	5747	306.00	77	432.00	221
117.00	72784	212.00	732	307.00	167	433.00	64
118.00	4790	213.00	381	308.00	600	434.00	195
119.00	348	214.00	331	309.00	370	435.00	149
120.00	960	215.00	2021	310.00	446	436.00	80
121.00	586	216.00	3175	311.00	140	437.00	119
122.00	4761	217.00	39968	312.00	212	438.00	343
123.00	7841	218.00	5239	313.00	490	439.00	208
124.00	4491	219.00	441	314.00	1780	440.00	213
125.00	3926	220.00	837	315.00	4055	441.00	64040
126.00	740	221.00	26960	316.00	2622	442.00	421760
127.00	299264	222.00	3150	317.00	404	443.00	77200
128.00	22448	223.00	8300	318.00	74	444.00	8324
129.00	118584	224.00	87792	319.00	171	445.00	237
130.00	10068	225.00	19136	321.00	1043	454.00	56
131.00	2132	226.00	2309	322.00	866	458.00	73
132.00	1002	227.00	35392	323.00	12877	459.00	88
133.00	649	228.00	4950	324.00	2662	482.00	63
134.00	3408	229.00	6926	325.00	332	490.00	52

Breakdown Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121217-15912.b\21217001.D		
Injection Date:	17-Dec-2012 10:07:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	68962	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

168 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

168 4,4'-DDT, Area = 1890156
163 4,4'-DDD, Area = 18127
164 4,4'-DDE, Area = 2259

%Breakdown: 1.07%, Max Limit: 20.00%
Passed

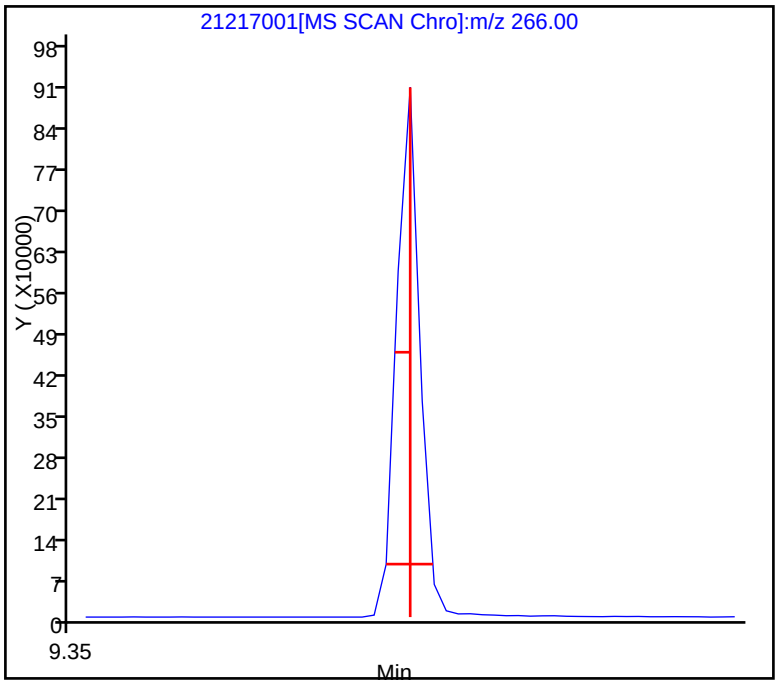
Report Date: 18-Dec-2012 09:22:48 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121217-15912.b\21217001.D		
Injection Date:	17-Dec-2012 10:07:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	68962	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

141 Pentachlorophenol, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.010 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 0.9, Max. Tailing < 5.00
Passed

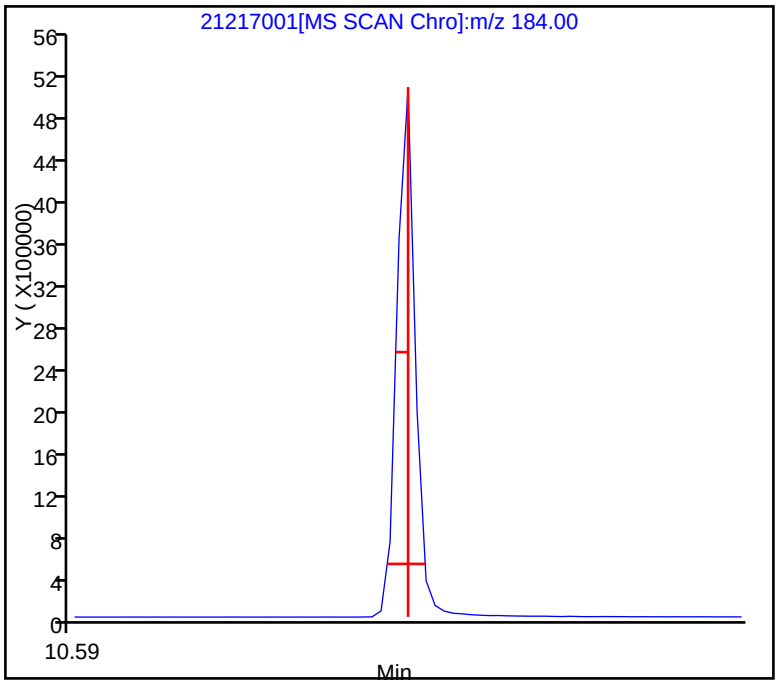
Report Date: 18-Dec-2012 09:22:48 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121217-15912.b\21217001.D		
Injection Date:	17-Dec-2012 10:07:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	68962	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

158 Benzidine, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.010 (min.)
Front Width = 0.012 (min.)

Tailing Factor = 0.8, Max. Tailing < 3.00
Passed

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221001.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	21-Dec-2012 13:19:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	240-0015994-001		
Misc. Info.:	DFTPP =DFTPP		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	1
Lims Batch ID:	69820	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\8270 _9.m		
Last Update:	22-Dec-2012 11:07:27	Calib Date:	21-Dec-2012 20:45:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221019.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK002		
First Level Reviewer: ulmanm		Date:	21-Dec-2012 13:51:25

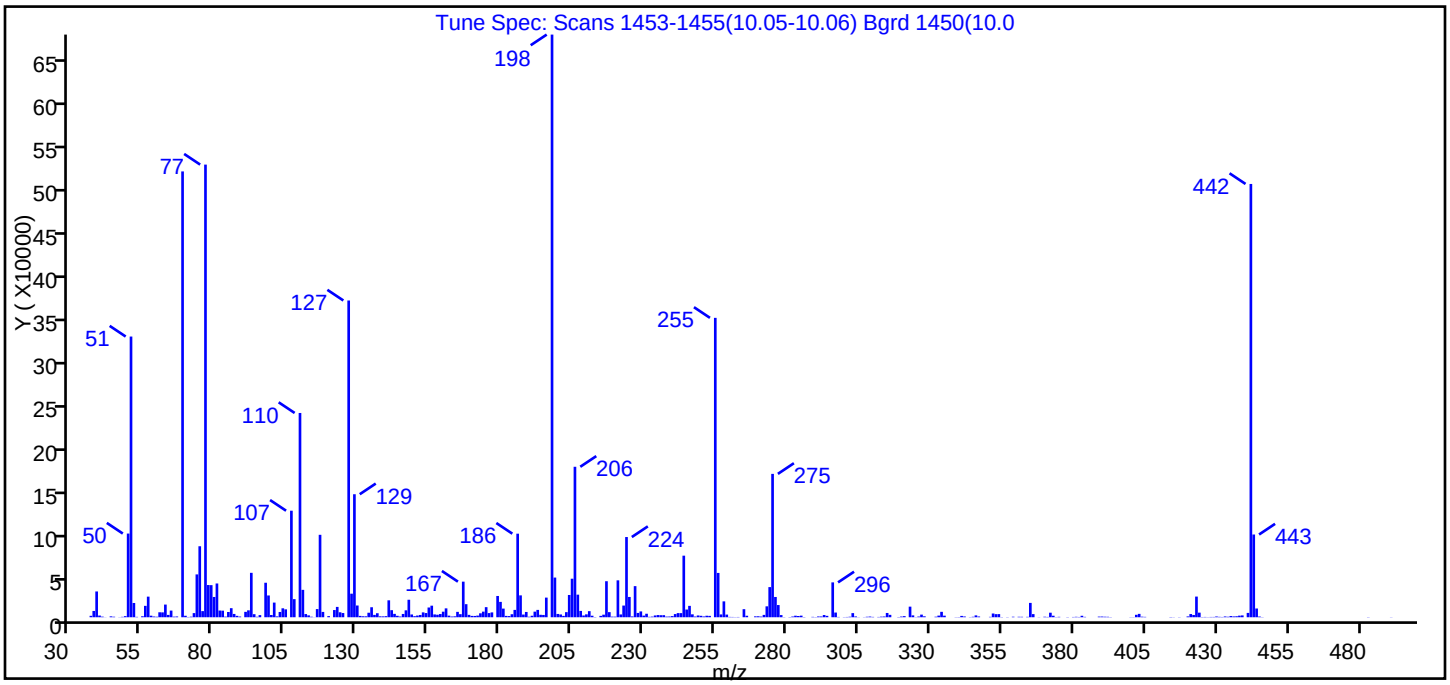
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	9.706	9.706	0.0	78	797497	0	
150 DFTPP								
160 Benzidine	184	11.025	11.025	0.0	99	4656895	0	
166 4,4'-DDE	246	11.196	11.196	0.0	1	1267	0	
165 4,4'-DDD	235	11.538	11.538	0.0	28	17323	0	
170 4,4'-DDT	235	11.880	11.880	0.0	96	2114030	0	

MS Tune Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221001.D		
Injection Date:	21-Dec-2012 13:19:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	1
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm
Tune Method:	DFTPP Method CLP OLM4.2		

150 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	48.18
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	76.52
70	Less than 2.00% of mass 69	0.26 (0.33)
127	25.00 - 75.00% of mass 198	54.36
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.81
275	10.00 - 30.00% of mass 198	24.61
365	Greater than 0.75% of mass 198	2.46
441	Present, but less than mass 443%	0.75 (5.25)
442	40.00 - 110.00% of mass 198	74.36
443	15.00 - 24.00% of mass 442	14.20 (19.10)

Data File: \\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221001.D\8270 _9.rslt\spectra.d
Injection Date: 21-Dec-2012 13:19:30
Spectrum: Tune Spec: Scans 1453-1455(10.05-10.06) Bgrd 1450(10.0
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 343

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	1663	134.00	5209	223.00	13496	323.00	12240
38.00	7278	135.00	11552	224.00	92568	324.00	2148
39.00	29768	136.00	2735	225.00	23424	325.00	177
40.00	1974	137.00	4644	226.00	966	326.00	812
41.00	721	138.00	1078	227.00	35912	327.00	3045
42.00	113	139.00	1012	228.00	4988	328.00	1080
44.00	1023	140.00	1257	229.00	6746	332.00	642
45.00	611	141.00	19544	230.00	1890	333.00	1896
47.00	173	142.00	8174	231.00	4047	334.00	6272
48.00	486	143.00	3908	232.00	508	335.00	1822
49.00	1265	144.00	1672	233.00	749	339.00	208
50.00	96576	145.00	836	234.00	2073	340.00	261
51.00	323904	146.00	3803	235.00	2525	341.00	1561
52.00	16464	147.00	8000	236.00	2360	342.00	888
53.00	457	148.00	20200	237.00	2397	344.00	223
55.00	1153	149.00	3208	238.00	745	345.00	562
56.00	13148	150.00	1245	239.00	845	346.00	2169
57.00	23792	151.00	1982	240.00	1321	347.00	878
58.00	1792	152.00	2642	241.00	3669	351.00	477
59.00	847	153.00	5627	242.00	4787	352.00	4323
60.00	605	154.00	4863	243.00	4762	353.00	3569
61.00	5733	155.00	11254	244.00	71056	354.00	3636
62.00	5636	156.00	13354	245.00	8911	355.00	245
63.00	14636	157.00	3278	246.00	13146	357.00	218
64.00	2712	158.00	2920	247.00	3373	359.00	614
65.00	7706	159.00	3712	248.00	823	361.00	550
66.00	703	160.00	6422	249.00	2062	362.00	531
67.00	906	161.00	10262	250.00	1675	364.00	480
69.00	514432	162.00	1858	251.00	927	365.00	16560
70.00	1719	163.00	842	252.00	1748	366.00	3633
71.00	335	164.00	1065	253.00	1593	368.00	169
72.00	657	165.00	6219	255.00	345472	370.00	598
73.00	4791	166.00	3557	256.00	51144	371.00	390

Report Date: 22-Dec-2012 11:07:28 Chrom Revision: 2.0 27-Nov-2012 13:14:12
Data File: \\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221001.D\8270 _9.rslt\spectra.d
Injection Date: 21-Dec-2012 13:19:30
Spectrum: Tune Spec: Scans 1453-1455(10.05-10.06) Bgrd 1450(10.0
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 343

m/z	Y	m/z	Y	m/z	Y	m/z	Y
74.00	49448	167.00	41088	257.00	3253	372.00	5253
75.00	81936	168.00	15087	258.00	18336	373.00	1753
76.00	7087	169.00	2751	259.00	3077	374.00	207
77.00	522304	170.00	1565	260.00	411	375.00	489
78.00	37184	171.00	1514	261.00	355	378.00	243
79.00	37048	172.00	1913	262.00	223	380.00	342
80.00	23408	173.00	4555	263.00	336	381.00	523
81.00	38968	174.00	6475	265.00	9321	382.00	336
82.00	7758	175.00	11652	266.00	1734	383.00	1705
83.00	7604	176.00	4814	269.00	1051	384.00	447
84.00	728	177.00	5600	270.00	1127	389.00	750
85.00	6065	179.00	24552	271.00	786	390.00	812
86.00	10475	180.00	17736	272.00	2723	391.00	617
87.00	3830	181.00	9993	273.00	12608	392.00	537
88.00	1635	182.00	1564	274.00	34792	393.00	234
89.00	826	183.00	1384	275.00	165440	400.00	202
91.00	6237	184.00	3494	276.00	23400	401.00	211
92.00	7989	185.00	8488	277.00	14090	402.00	2825
93.00	51264	186.00	96432	278.00	2493	403.00	3902
94.00	3533	187.00	25248	279.00	217	404.00	656
95.00	561	188.00	3129	281.00	281	405.00	453
96.00	2466	189.00	6113	282.00	842	414.00	300
98.00	39816	190.00	602	283.00	1781	415.00	174
99.00	25144	191.00	1739	284.00	1446	417.00	209
100.00	2592	192.00	6467	285.00	1845	420.00	952
101.00	16928	193.00	8488	286.00	282	421.00	3687
102.00	989	194.00	2845	289.00	453	422.00	2630
103.00	6087	195.00	2662	290.00	255	423.00	23856
104.00	10330	196.00	22672	291.00	916	424.00	5304
105.00	9130	198.00	672320	292.00	898	425.00	278
107.00	122936	199.00	45792	293.00	2570	426.00	365
108.00	20904	200.00	3819	294.00	1625	427.00	210
110.00	235712	201.00	3216	296.00	40240	428.00	357
111.00	31624	202.00	1607	297.00	5438	429.00	377

Report Date: 22-Dec-2012 11:07:28 Chrom Revision: 2.0 27-Nov-2012 13:14:12
Data File: \\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221001.D\8270 _9.rslt\spectra.d
Injection Date: 21-Dec-2012 13:19:30
Spectrum: Tune Spec: Scans 1453-1455(10.05-10.06) Bgrd 1450(10.0
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 343

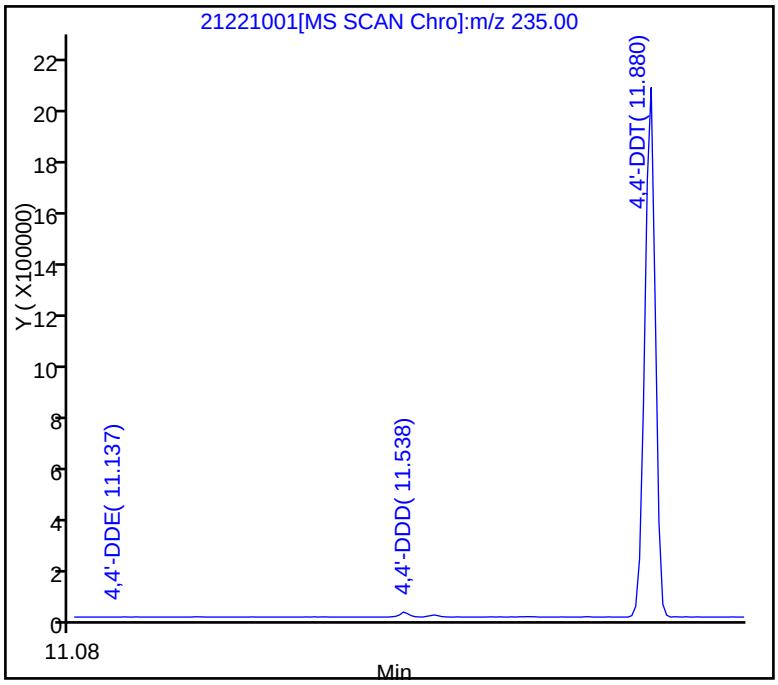
m/z	Y	m/z	Y	m/z	Y	m/z	Y
112.00	3692	203.00	5893	298.00	375	430.00	884
113.00	2178	204.00	25704	300.00	227	431.00	493
114.00	616	205.00	44472	301.00	356	432.00	336
115.00	131	206.00	173632	302.00	604	433.00	922
116.00	9415	207.00	26072	303.00	4772	434.00	574
117.00	95136	208.00	7312	304.00	935	435.00	1397
118.00	6151	209.00	2036	305.00	171	436.00	951
120.00	1317	210.00	3352	307.00	187	437.00	1152
122.00	8315	211.00	7032	308.00	571	438.00	1848
123.00	11939	212.00	1750	309.00	807	439.00	2117
124.00	5739	213.00	270	310.00	422	441.00	5015
125.00	4868	215.00	1608	312.00	363	442.00	499968
127.00	365504	216.00	2968	313.00	718	443.00	95480
128.00	27192	217.00	41584	314.00	870	444.00	10095
129.00	141952	218.00	5896	315.00	4940	445.00	834
130.00	13562	219.00	722	316.00	2774	446.00	219
131.00	1571	220.00	687	319.00	303	483.00	223
132.00	1138	221.00	42608	320.00	835	491.00	167
133.00	1071	222.00	3239	321.00	1281		

Breakdown Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221001.D		
Injection Date:	21-Dec-2012 13:19:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	1
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

170 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

170 4,4'-DDT, Area = 2114030
165 4,4'-DDD, Area = 17323
166 4,4'-DDE, Area = 1267

%Breakdown: 0.87%, Max Limit: 20.00%
Passed

Report Date: 22-Dec-2012 11:07:28 Chrom Revision: 2.0 27-Nov-2012 13:14:12

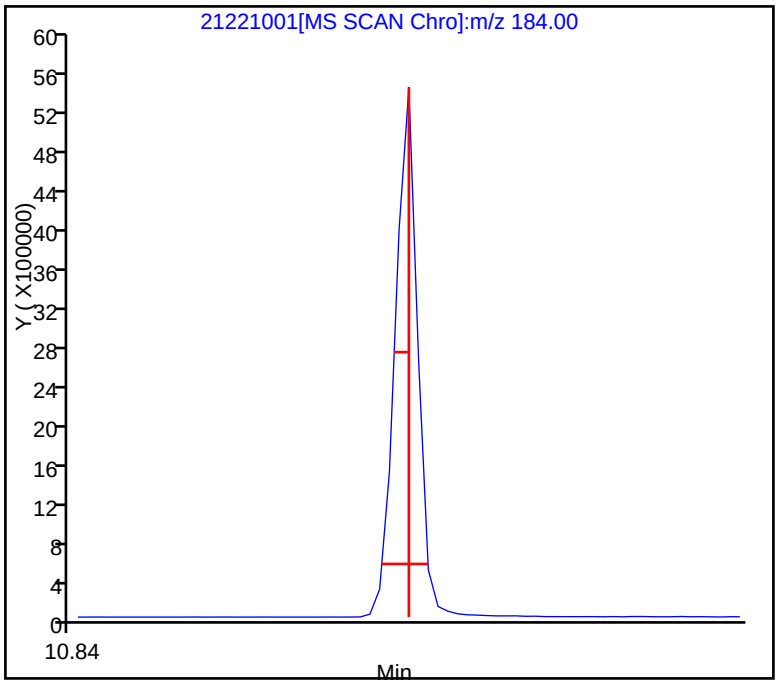
Peak Tailing Report

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221001.D

Injection Date:	21-Dec-2012 13:19:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	1
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

160 Benzidine, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 0.7, Max. Tailing < 3.00
Passed

Report Date: 22-Dec-2012 11:07:28 Chrom Revision: 2.0 27-Nov-2012 13:14:12

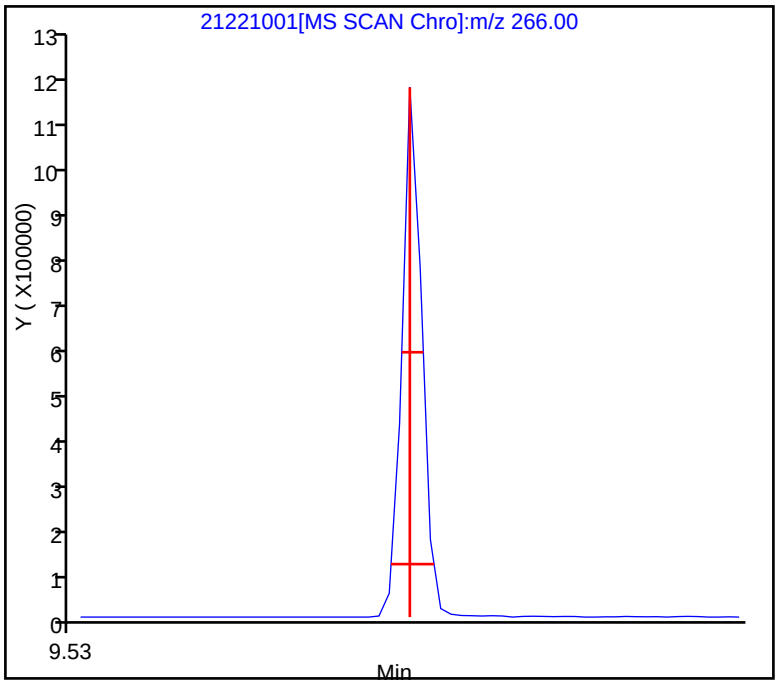
Peak Tailing Report

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221001.D

Injection Date:	21-Dec-2012 13:19:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69820	Lims Sample ID:	1
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

143 Pentachlorophenol, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.013 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.3, Max. Tailing < 5.00
Passed

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20121222-16124.b\21222001.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	22-Dec-2012 11:45:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	240-0016124-001		
Misc. Info.:	DFTPP =DFTPP		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	1
Lims Batch ID:	69908	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20121222-16124.b\8270 _9.m		
Last Update:	24-Dec-2012 10:24:14	Calib Date:	21-Dec-2012 20:45:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221019.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK008		
First Level Reviewer: ulmanm		Date:	22-Dec-2012 12:16:22

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	9.693	9.693	0.0	78	565348	0	
150 DFTPP								
160 Benzidine	184	11.007	11.007	0.0	99	3648040	0	
166 4,4'-DDE	246		11.196					
165 4,4'-DDD	235		11.538					9
170 4,4'-DDT	235	11.862	11.862	0.0	96	1618101	0	

QC Flag Legend

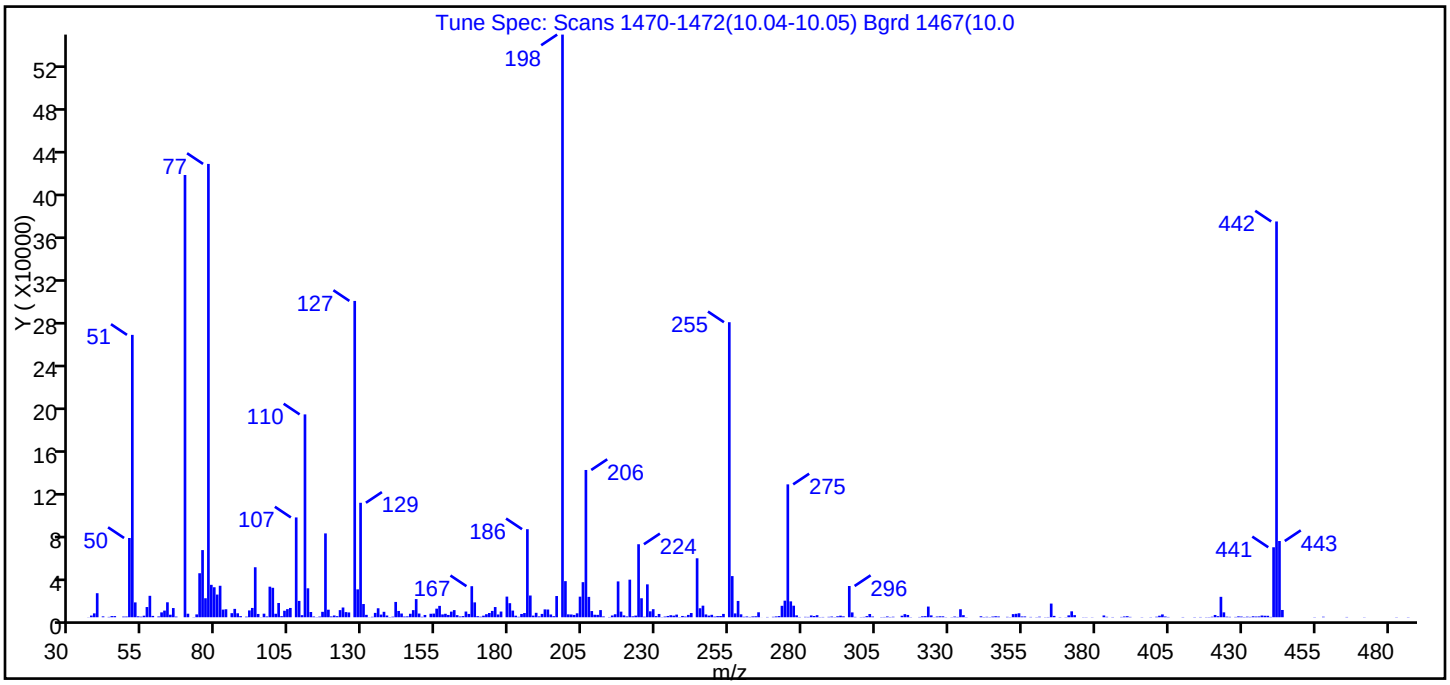
Processing Flags
9 - Failed A Reference Spectral Test

MS Tune Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121222-16124.b\21222001.D		
Injection Date:	22-Dec-2012 11:45:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69908	Lims Sample ID:	1
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm
Tune Method:	DFTPP Method CLP OLM4.2		

150 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	48.46
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	75.90
70	Less than 2.00% of mass 69	0.61 (0.80)
127	25.00 - 75.00% of mass 198	54.29
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.20
275	10.00 - 30.00% of mass 198	22.81
365	Greater than 0.75% of mass 198	2.35
441	Present, but less than mass 443%	12.01 (91.80)
442	40.00 - 110.00% of mass 198	67.93
443	15.00 - 24.00% of mass 442	13.09 (19.26)

Report Date: 24-Dec-2012 10:24:15 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Data File: \\Ncchrom\ChromData\A4HP9\20121222-16124.b\21222001.D\8270 _9.rslt\spectra.d
Injection Date: 22-Dec-2012 11:45:30
Spectrum: Tune Spec: Scans 1470-1472(10.04-10.05) Bgrd 1467(10.0
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 348

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	136	135.00	8464	226.00	530	327.00	914
37.00	1584	136.00	2510	227.00	30960	328.00	871
38.00	3661	137.00	5131	228.00	5574	329.00	173
39.00	22632	138.00	1630	229.00	7601	331.00	184
41.00	828	139.00	217	230.00	1070	332.00	672
43.00	340	140.00	567	231.00	3104	333.00	320
44.00	1116	141.00	14415	232.00	175	334.00	7540
45.00	1089	142.00	5925	233.00	657	335.00	1961
48.00	638	143.00	3518	234.00	1230	336.00	187
49.00	665	144.00	670	235.00	1935	341.00	929
50.00	74568	145.00	817	236.00	1498	342.00	249
51.00	265664	146.00	3286	237.00	2489	343.00	443
52.00	13984	147.00	6699	238.00	199	344.00	196
53.00	907	148.00	17104	239.00	1219	345.00	657
54.00	566	149.00	3496	240.00	650	346.00	982
55.00	1460	150.00	439	241.00	2217	347.00	734
56.00	9603	151.00	2143	242.00	3974	350.00	391
57.00	20168	153.00	3292	244.00	55480	351.00	176
58.00	1275	154.00	3444	245.00	8472	352.00	2940
60.00	737	155.00	8089	246.00	10901	353.00	3253
61.00	4597	156.00	10703	247.00	2657	354.00	3752
62.00	6265	157.00	2677	248.00	1547	355.00	748
63.00	14093	158.00	3259	249.00	2304	356.00	766
64.00	2395	159.00	2192	250.00	613	358.00	322
65.00	8663	160.00	5298	251.00	1099	360.00	193
66.00	606	161.00	6721	252.00	1163	361.00	544
69.00	416064	162.00	1989	253.00	3147	363.00	185
70.00	3326	163.00	737	255.00	277568	364.00	260
72.00	174	164.00	1105	256.00	38728	365.00	12875
73.00	2694	165.00	5379	257.00	3607	366.00	1281
74.00	41416	166.00	3125	258.00	15349	368.00	239
75.00	63192	167.00	29232	259.00	2755	370.00	182
76.00	17888	168.00	13991	260.00	444	371.00	1778

Report Date: 24-Dec-2012 10:24:15 Chrom Revision: 2.0 27-Nov-2012 13:14:12
Data File: \\Ncchrom\ChromData\A4HP9\20121222-16124.b\21222001.D\8270 _9.rslt\spectra.d
Injection Date: 22-Dec-2012 11:45:30
Spectrum: Tune Spec: Scans 1470-1472(10.04-10.05) Bgrd 1467(10.0
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 348

m/z	Y	m/z	Y	m/z	Y	m/z	Y
77.00	426496	169.00	1031	261.00	760	372.00	5595
78.00	30504	170.00	516	262.00	317	373.00	1998
79.00	28224	171.00	1496	263.00	802	376.00	179
80.00	21344	172.00	2859	264.00	937	377.00	174
81.00	29616	173.00	4004	265.00	4674	379.00	168
82.00	7191	174.00	5965	266.00	49	383.00	1690
83.00	7522	175.00	9602	268.00	281	384.00	432
85.00	3849	176.00	2622	270.00	442	386.00	250
86.00	7880	177.00	5378	271.00	773	389.00	329
87.00	3731	179.00	19432	272.00	1124	390.00	748
88.00	1063	180.00	13235	273.00	10762	391.00	1012
90.00	576	181.00	6279	274.00	15616	392.00	349
91.00	6415	182.00	1475	275.00	125024	396.00	194
92.00	8764	183.00	429	276.00	14958	399.00	200
93.00	47040	184.00	3098	277.00	10863	401.00	498
94.00	3106	185.00	3956	278.00	1809	402.00	1442
95.00	136	186.00	82848	279.00	285	403.00	2669
96.00	3364	187.00	20456	281.00	395	404.00	712
97.00	728	188.00	1533	282.00	323	405.00	288
98.00	28768	189.00	4185	283.00	1710	410.00	252
99.00	27720	190.00	820	284.00	1190	414.00	241
100.00	3284	191.00	3150	285.00	1961	416.00	269
101.00	13421	192.00	7395	286.00	191	418.00	203
102.00	1021	193.00	7275	287.00	289	419.00	226
103.00	6131	194.00	2600	289.00	395	420.00	494
104.00	7643	195.00	1010	290.00	671	421.00	2146
105.00	8754	196.00	19976	291.00	208	422.00	1017
107.00	93912	198.00	548160	292.00	915	423.00	19216
108.00	15390	199.00	33968	293.00	1483	424.00	4616
109.00	1960	200.00	2732	294.00	841	425.00	559
110.00	190848	201.00	2613	296.00	29400	426.00	380
111.00	27240	202.00	2199	297.00	4553	428.00	325
112.00	4937	203.00	3707	298.00	363	429.00	856
113.00	712	204.00	19376	300.00	217	430.00	650

Report Date: 24-Dec-2012 10:24:15 Chrom Revision: 2.0 27-Nov-2012 13:14:12
Data File: \\Ncchrom\ChromData\A4HP9\20121222-16124.b\21222001.D\8270 _9.rslt\spectra.d
Injection Date: 22-Dec-2012 11:45:30
Spectrum: Tune Spec: Scans 1470-1472(10.04-10.05) Bgrd 1467(10.0
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 348

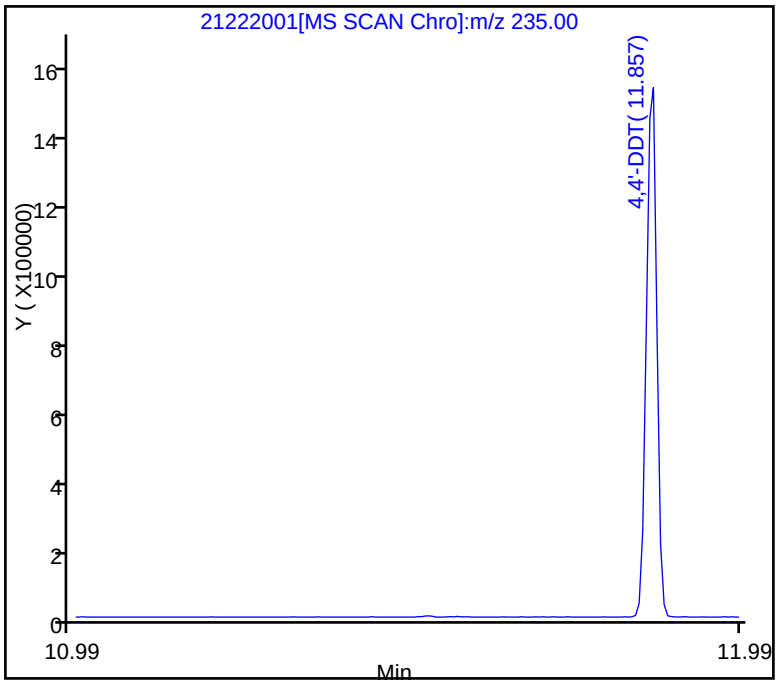
m/z	Y	m/z	Y	m/z	Y	m/z	Y
114.00	178	205.00	33008	301.00	321	431.00	258
115.00	628	206.00	138560	302.00	1061	432.00	571
116.00	5118	207.00	19168	303.00	3067	433.00	339
117.00	78888	208.00	5823	304.00	695	434.00	909
118.00	7115	209.00	2365	307.00	232	435.00	694
119.00	774	210.00	2252	308.00	276	436.00	792
120.00	1675	211.00	6741	309.00	765	437.00	1627
121.00	1008	212.00	767	310.00	267	438.00	1414
122.00	6698	214.00	256	311.00	491	439.00	1370
123.00	9178	215.00	1651	314.00	1435	440.00	336
124.00	4845	216.00	2817	315.00	2936	441.00	65848
125.00	4518	217.00	33728	316.00	2166	442.00	372352
127.00	297600	218.00	5288	317.00	202	443.00	71728
128.00	26240	219.00	1747	320.00	282	444.00	6848
129.00	107712	220.00	761	321.00	898	455.00	200
130.00	12432	221.00	35368	322.00	1042	458.00	500
131.00	2270	222.00	878	323.00	10060	466.00	279
132.00	117	223.00	1547	324.00	1764	472.00	168
133.00	434	224.00	68696	325.00	167	483.00	202
134.00	4108	225.00	17880	326.00	674	487.00	204

Breakdown Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121222-16124.b\21222001.D		
Injection Date:	22-Dec-2012 11:45:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69908	Lims Sample ID:	1
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

170 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

170 4,4'-DDT, Area = 1618101
165 4,4'-DDD, Area = 0
166 4,4'-DDE, Area = 0

%Breakdown: 0.00%, Max Limit: 20.00%
Passed

Report Date: 24-Dec-2012 10:24:15 Chrom Revision: 2.0 27-Nov-2012 13:14:12

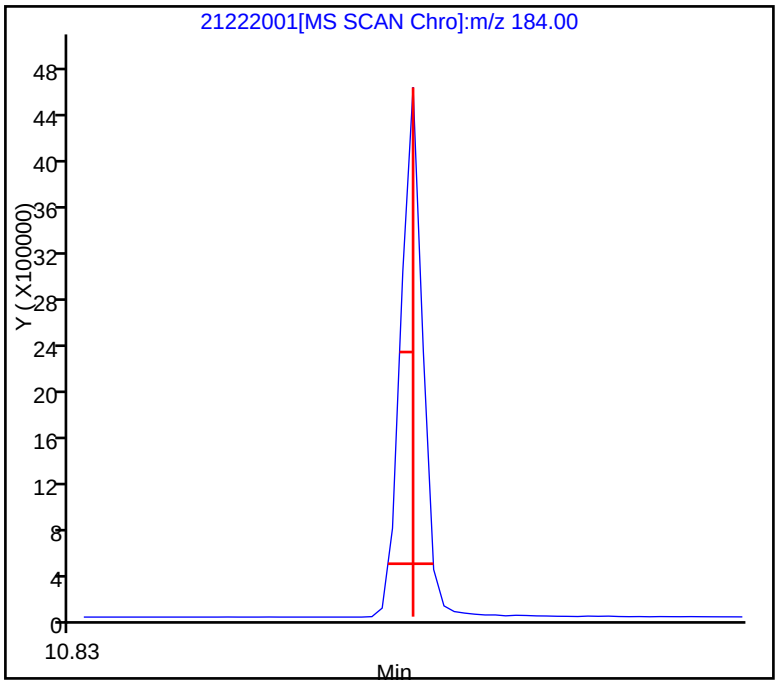
Peak Tailing Report

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121222-16124.b\21222001.D

Injection Date:	22-Dec-2012 11:45:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69908	Lims Sample ID:	1
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

160 Benzidine, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.013 (min.)

Tailing Factor = 0.8, Max. Tailing < 3.00
Passed

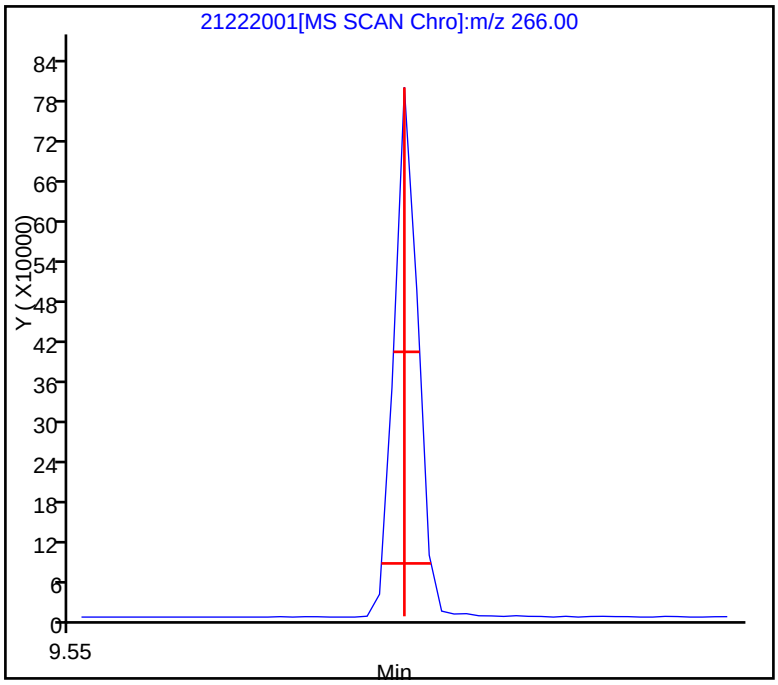
Report Date: 24-Dec-2012 10:24:15 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121222-16124.b\21222001.D		
Injection Date:	22-Dec-2012 11:45:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	69908	Lims Sample ID:	1
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

143 Pentachlorophenol, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.2, Max. Tailing < 5.00
Passed

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20121229-16269.b\21229001.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	29-Dec-2012 11:01:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	240-0016269-001		
Misc. Info.:	DFTPP =DFTPP		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	1
Lims Batch ID:	70566	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20121229-16269.b\8270 _9.m		
Last Update:	31-Dec-2012 10:35:56	Calib Date:	21-Dec-2012 20:45:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221019.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK007		
First Level Reviewer: ulmanm		Date:	29-Dec-2012 11:35:46

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	9.612	9.612	0.0	75	393999	0	
150 DFTPP								
160 Benzidine	184	10.916	10.916	0.0	88	2622217	0	
166 4,4'-DDE	246		11.116					9
165 4,4'-DDD	235	11.450	11.450	0.0	1	2435	0	
170 4,4'-DDT	235	11.738	11.738	0.0	96	1224365	0	

QC Flag Legend

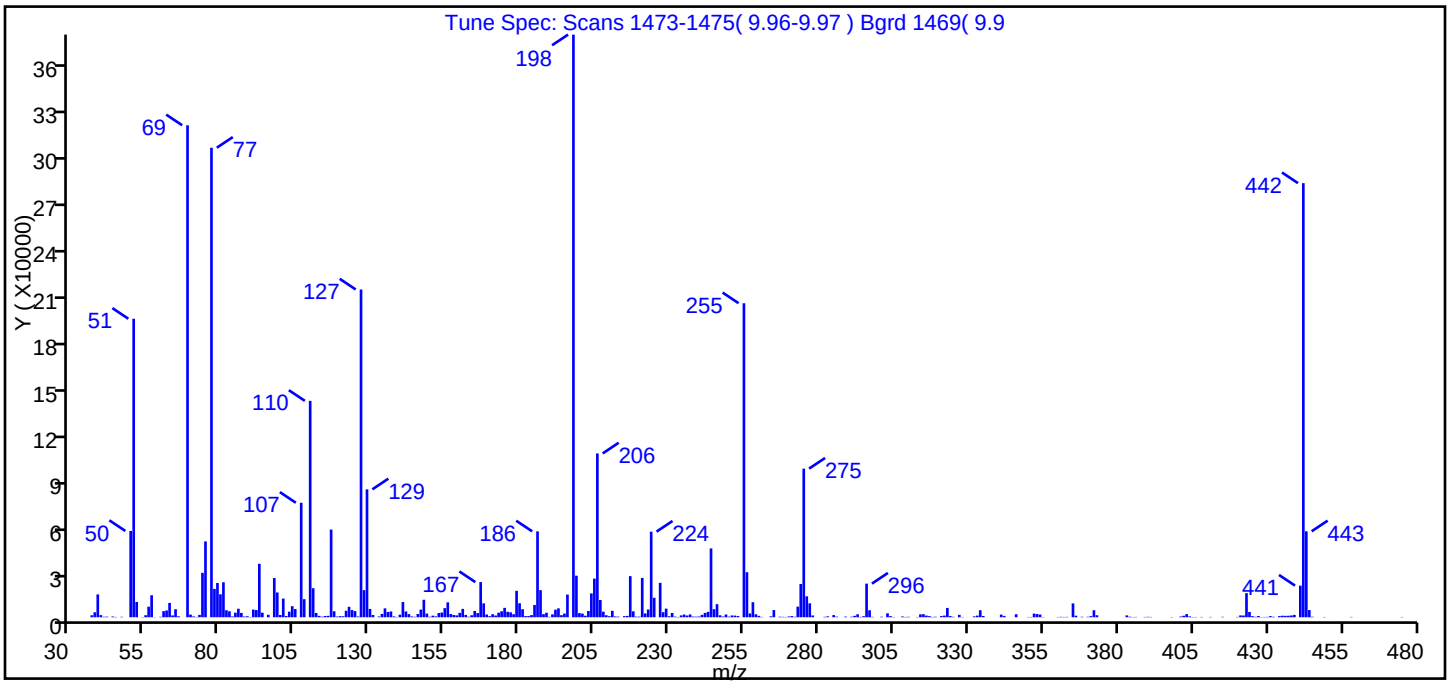
Processing Flags
9 - Failed A Reference Spectral Test

MS Tune Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121229-16269.b\21229001.D		
Injection Date:	29-Dec-2012 11:01:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	70566	Lims Sample ID:	1
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm
Tune Method:	DFTPP Method CLP OLM4.2		

150 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	51.23
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	84.43
70	Less than 2.00% of mass 69	0.46 (0.54)
127	25.00 - 75.00% of mass 198	56.26
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.13
275	10.00 - 30.00% of mass 198	25.51
365	Greater than 0.75% of mass 198	2.38
441	Present, but less than mass 443%	5.43 (36.82)
442	40.00 - 110.00% of mass 198	74.50
443	15.00 - 24.00% of mass 442	14.75 (19.80)

Data File: \\Ncchrom\ChromData\A4HP9\20121229-16269.b\21229001.D\8270 _9.rslt\spectra.d
Injection Date: 29-Dec-2012 11:01:30
Spectrum: Tune Spec: Scans 1473-1475(9.96-9.97) Bgrd 1469(9.9
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 323

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	1295	131.00	1461	215.00	734	315.00	1983
38.00	3216	133.00	486	216.00	880	316.00	1072
39.00	14763	134.00	2161	217.00	26600	317.00	739
40.00	1386	135.00	5751	218.00	3842	318.00	226
41.00	308	136.00	3416	219.00	418	319.00	324
42.00	413	137.00	3769	220.00	410	321.00	773
44.00	488	138.00	576	221.00	25448	322.00	1078
45.00	200	139.00	186	222.00	2470	323.00	6035
47.00	293	140.00	1647	223.00	5046	324.00	767
50.00	55824	141.00	9848	224.00	55400	325.00	289
51.00	193152	142.00	3753	225.00	12591	327.00	1577
52.00	9892	143.00	2016	227.00	22256	328.00	193
54.00	167	144.00	534	228.00	3262	332.00	583
55.00	1329	145.00	302	229.00	5576	333.00	1071
56.00	6830	146.00	2117	230.00	661	334.00	4571
57.00	14256	147.00	4955	231.00	2767	335.00	811
58.00	111	148.00	11326	232.00	412	341.00	1711
60.00	302	149.00	2368	233.00	202	342.00	870
61.00	3938	150.00	346	234.00	1199	346.00	1934
62.00	4393	151.00	1031	235.00	1769	350.00	181
63.00	9269	152.00	578	236.00	1127	351.00	221
64.00	1188	153.00	2723	237.00	1810	352.00	2374
65.00	5180	154.00	3048	238.00	456	353.00	2093
66.00	611	155.00	5917	239.00	388	354.00	1764
69.00	318336	156.00	9655	240.00	503	355.00	187
70.00	1716	157.00	2099	241.00	1567	360.00	197
71.00	555	158.00	1483	242.00	2811	361.00	293
72.00	206	159.00	1205	243.00	3472	362.00	200
73.00	1533	160.00	2844	244.00	44536	363.00	229
74.00	28752	161.00	5422	245.00	5226	365.00	8972
75.00	49080	162.00	1508	246.00	8466	366.00	1009
77.00	303808	163.00	355	247.00	1295	368.00	316
78.00	18352	164.00	1311	248.00	498	370.00	310

Report Date: 31-Dec-2012 10:35:56 Chrom Revision: 2.0 27-Nov-2012 13:14:12
Data File: \\Ncchrom\ChromData\A4HP9\20121229-16269.b\21229001.D\8270 _9.rslt\spectra.d
Injection Date: 29-Dec-2012 11:01:30
Spectrum: Tune Spec: Scans 1473-1475(9.96-9.97) Bgrd 1469(9.9
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 323

m/z	Y	m/z	Y	m/z	Y	m/z	Y
79.00	22168	165.00	4063	249.00	1779	371.00	742
80.00	14830	166.00	2716	250.00	418	372.00	4554
81.00	22640	167.00	22752	251.00	1159	373.00	1301
82.00	4533	168.00	8996	252.00	1070	383.00	1206
83.00	3857	169.00	1777	253.00	802	384.00	369
84.00	533	170.00	717	255.00	203200	385.00	191
85.00	2937	171.00	1981	256.00	29144	386.00	229
86.00	5503	172.00	1128	257.00	2456	389.00	207
87.00	2817	173.00	2939	258.00	9748	390.00	301
88.00	469	174.00	3874	259.00	1916	391.00	222
89.00	651	175.00	6091	260.00	900	398.00	171
90.00	184	176.00	3536	261.00	221	401.00	481
91.00	4964	177.00	3178	264.00	586	402.00	968
92.00	4660	178.00	1954	265.00	4658	403.00	2038
93.00	34576	179.00	17104	267.00	352	404.00	586
94.00	2951	180.00	9061	268.00	270	405.00	170
96.00	1595	181.00	5222	269.00	190	406.00	194
98.00	25392	182.00	759	270.00	499	408.00	216
99.00	16055	183.00	787	271.00	767	411.00	214
100.00	1464	184.00	1404	272.00	303	415.00	289
101.00	12091	185.00	7957	273.00	6870	420.00	237
102.00	791	186.00	55576	274.00	21528	421.00	1203
103.00	3612	187.00	17544	275.00	96168	422.00	1135
104.00	7160	188.00	2017	276.00	13560	423.00	15598
105.00	5300	189.00	2932	277.00	8992	424.00	3441
107.00	74080	190.00	279	278.00	1155	425.00	731
108.00	11699	191.00	1868	282.00	299	426.00	307
110.00	140032	192.00	4919	283.00	598	427.00	835
111.00	18784	193.00	5754	285.00	1388	428.00	178
112.00	2784	194.00	1353	286.00	401	429.00	197
113.00	883	195.00	2389	289.00	428	430.00	258
114.00	385	196.00	14680	291.00	356	431.00	730
115.00	811	198.00	377024	292.00	914	432.00	317
116.00	932	199.00	26896	293.00	1911	434.00	772

Report Date: 31-Dec-2012 10:35:56 Chrom Revision: 2.0 27-Nov-2012 13:14:12
Data File: \\Ncchrom\ChromData\A4HP9\20121229-16269.b\21229001.D\8270 _9.rslt\spectra.d
Injection Date: 29-Dec-2012 11:01:30
Spectrum: Tune Spec: Scans 1473-1475(9.96-9.97) Bgrd 1469(9.9
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 323

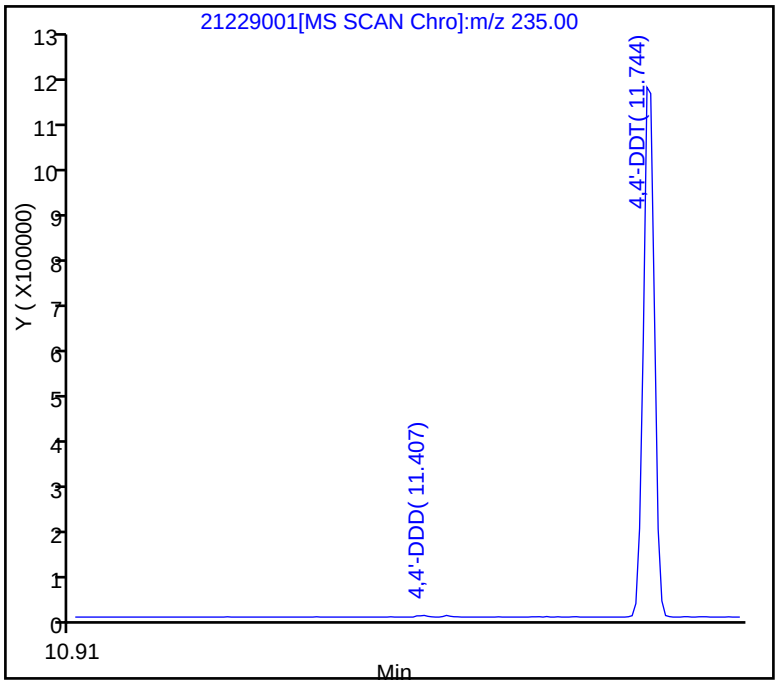
m/z	Y	m/z	Y	m/z	Y	m/z	Y
117.00	56744	200.00	2694	294.00	218	435.00	990
118.00	3888	201.00	2377	295.00	680	436.00	930
119.00	458	202.00	1004	296.00	21760	437.00	971
120.00	733	203.00	4050	297.00	4518	438.00	1167
121.00	638	204.00	15444	298.00	251	439.00	1514
122.00	4201	205.00	25016	301.00	356	441.00	20480
123.00	6776	206.00	106008	303.00	2525	442.00	280896
124.00	4643	207.00	11175	304.00	756	443.00	55616
125.00	3982	208.00	3610	305.00	195	444.00	4638
126.00	483	209.00	1290	308.00	514	445.00	334
127.00	212096	210.00	685	309.00	212	449.00	199
128.00	17568	211.00	4175	310.00	309	458.00	222
129.00	82768	212.00	522	313.00	223	475.00	203
130.00	5396	213.00	400	314.00	1888		

Breakdown Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121229-16269.b\21229001.D		
Injection Date:	29-Dec-2012 11:01:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	70566	Lims Sample ID:	1
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

170 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

170 4,4'-DDT, Area = 1224365
165 4,4'-DDD, Area = 2435
166 4,4'-DDE, Area = 0

%Breakdown: 0.20%, Max Limit: 20.00%
Passed

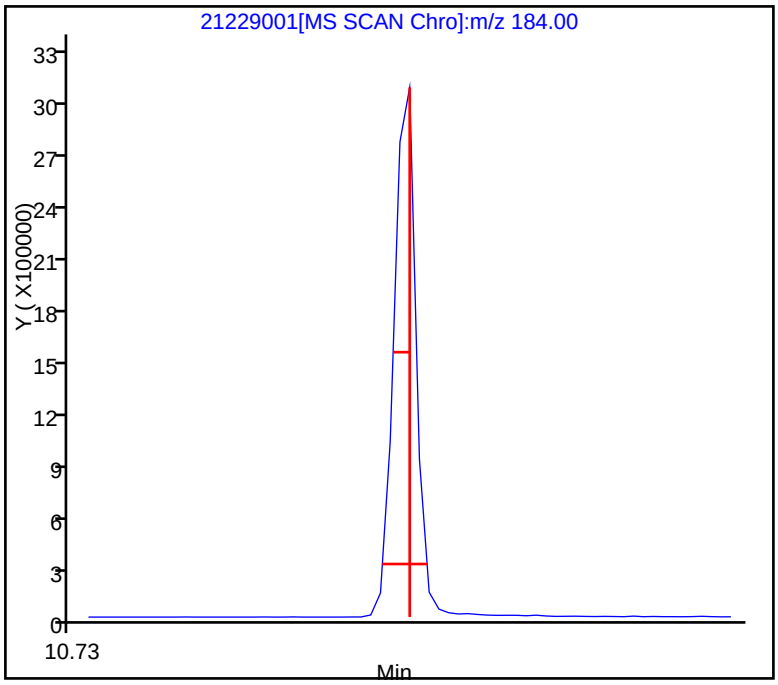
Report Date: 31-Dec-2012 10:35:56 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121229-16269.b\21229001.D		
Injection Date:	29-Dec-2012 11:01:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	70566	Lims Sample ID:	1
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

160 Benzidine, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.010 (min.)
Front Width = 0.015 (min.)

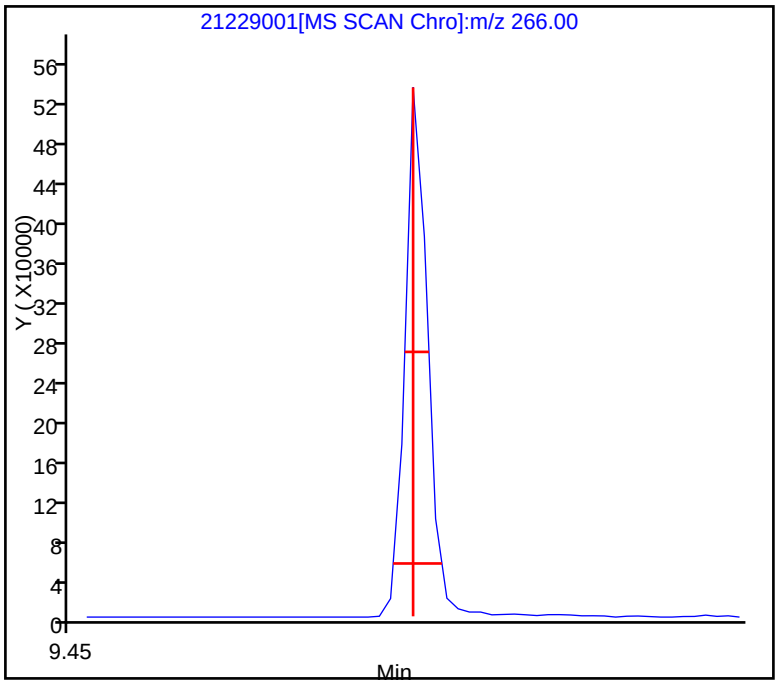
Tailing Factor = 0.6, Max. Tailing < 3.00
Passed

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121229-16269.b\21229001.D		
Injection Date:	29-Dec-2012 11:01:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	70566	Lims Sample ID:	1
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

143 Pentachlorophenol, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.014 (min.)
Front Width = 0.009 (min.)

Tailing Factor = 1.4, Max. Tailing < 5.00
Passed

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-68547/18-A

Matrix: Water | Lab File ID: 21217004.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3520C | Date Extracted: 12/13/2012 11:21

Sample wt/vol: 1000(mL) | Date Analyzed: 12/17/2012 11:18

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 68962 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	0.10	U	0.20	0.10	0.10
208-96-8	Acenaphthylene	0.10	U	0.20	0.10	0.10
120-12-7	Anthracene	0.10	U	0.20	0.10	0.10
56-55-3	Benzo[a]anthracene	0.10	U	0.20	0.10	0.10
50-32-8	Benzo[a]pyrene	0.10	U	0.20	0.10	0.10
205-99-2	Benzo[b]fluoranthene	0.10	U	0.20	0.10	0.10
191-24-2	Benzo[g,h,i]perylene	0.10	U	0.20	0.10	0.10
65-85-0	Benzoic acid	10	U	25	10	10
207-08-9	Benzo[k]fluoranthene	0.10	U	0.20	0.10	0.10
100-51-6	Benzyl alcohol	0.80	U	5.0	0.80	0.38
111-91-1	Bis(2-chloroethoxy)methane	0.80	U	1.0	0.80	0.32
111-44-4	Bis(2-chloroethyl)ether	0.10	U	1.0	0.10	0.10
108-60-1	bis (2-chloroisopropyl) ether	0.80	U	1.0	0.80	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	0.80	U	2.0	0.80	0.80
101-55-3	4-Bromophenyl phenyl ether	0.80	U	2.0	0.80	0.80
85-68-7	Butyl benzyl phthalate	0.80	U	1.0	0.80	0.80
86-74-8	Carbazole	0.80	U	1.0	0.80	0.28
106-47-8	4-Chloroaniline	0.80	U	2.0	0.80	0.80
59-50-7	4-Chloro-3-methylphenol	0.80	U	2.0	0.80	0.80
91-58-7	2-Chloronaphthalene	0.10	U	1.0	0.10	0.10
95-57-8	2-Chlorophenol	0.80	U	1.0	0.80	0.29
7005-72-3	4-Chlorophenyl phenyl ether	0.80	U	2.0	0.80	0.30
218-01-9	Chrysene	0.10	U	0.20	0.10	0.10
53-70-3	Dibenz(a,h)anthracene	0.10	U	0.20	0.10	0.10
132-64-9	Dibenzofuran	0.10	U	1.0	0.10	0.10
95-50-1	1,2-Dichlorobenzene	0.80	U	1.0	0.80	0.29
541-73-1	1,3-Dichlorobenzene	0.80	U	1.0	0.80	0.80
106-46-7	1,4-Dichlorobenzene	0.80	U	1.0	0.80	0.34
91-94-1	3,3'-Dichlorobenzidine	0.80	U	5.0	0.80	0.37
120-83-2	2,4-Dichlorophenol	0.80	U	2.0	0.80	0.80
84-66-2	Diethyl phthalate	0.80	U	1.0	0.80	0.60
105-67-9	2,4-Dimethylphenol	0.80	U	2.0	0.80	0.80
131-11-3	Dimethyl phthalate	0.80	U	1.0	0.80	0.29
84-74-2	Di-n-butyl phthalate	0.80	U	1.0	0.80	0.67

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-68547/18-A

Matrix: Water | Lab File ID: 21217004.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3520C | Date Extracted: 12/13/2012 11:21

Sample wt/vol: 1000(mL) | Date Analyzed: 12/17/2012 11:18

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 68962 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	2.4	U	5.0	2.4	2.4
51-28-5	2,4-Dinitrophenol	2.4	U	5.0	2.4	2.4
121-14-2	2,4-Dinitrotoluene	0.80	U	5.0	0.80	0.27
606-20-2	2,6-Dinitrotoluene	0.80	U	5.0	0.80	0.80
117-84-0	Di-n-octyl phthalate	0.80	U	1.0	0.80	0.80
206-44-0	Fluoranthene	0.10	U	0.20	0.10	0.10
86-73-7	Fluorene	0.10	U	0.20	0.10	0.10
118-74-1	Hexachlorobenzene	0.10	U	0.20	0.10	0.10
87-68-3	Hexachlorobutadiene	0.80	U	1.0	0.80	0.27
77-47-4	Hexachlorocyclopentadiene	0.80	U	10	0.80	0.80
67-72-1	Hexachloroethane	0.80	U	1.0	0.80	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	0.10	U	0.20	0.10	0.10
78-59-1	Isophorone	0.80	U	1.0	0.80	0.27
91-57-6	2-Methylnaphthalene	0.10	U	0.20	0.10	0.10
95-48-7	2-Methylphenol	0.80	U	1.0	0.80	0.80
15831-10-4	3 & 4 Methylphenol	0.80	U	2.0	0.80	0.80
91-20-3	Naphthalene	0.10	U	0.20	0.10	0.10
88-74-4	2-Nitroaniline	0.80	U	2.0	0.80	0.80
99-09-2	3-Nitroaniline	0.80	U	2.0	0.80	0.28
100-01-6	4-Nitroaniline	0.80	U	2.0	0.80	0.80
98-95-3	Nitrobenzene	0.10	U	1.0	0.10	0.040
88-75-5	2-Nitrophenol	0.80	U	2.0	0.80	0.28
100-02-7	4-Nitrophenol	2.4	U	5.0	2.4	2.4
621-64-7	N-Nitrosodi-n-propylamine	0.80	U	1.0	0.80	0.80
86-30-6	N-Nitrosodiphenylamine	0.80	U	1.0	0.80	0.31
87-86-5	Pentachlorophenol	2.4	U	5.0	2.4	2.4
85-01-8	Phenanthrene	0.10	U	0.20	0.10	0.10
108-95-2	Phenol	0.80	U	1.0	0.80	0.60
129-00-0	Pyrene	0.10	U	0.20	0.10	0.10
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.28
95-95-4	2,4,5-Trichlorophenol	0.80	U	5.0	0.80	0.30
88-06-2	2,4,6-Trichlorophenol	0.80	U	5.0	0.80	0.80

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-68547/18-A

Matrix: Water | Lab File ID: 21217004.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3520C | Date Extracted: 12/13/2012 11:21

Sample wt/vol: 1000(mL) | Date Analyzed: 12/17/2012 11:18

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 68962 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	77		50-110
367-12-4	2-Fluorophenol (Surr)	68		20-110
4165-60-0	Nitrobenzene-d5 (Surr)	76		40-110
4165-62-2	Phenol-d5 (Surr)	69		10-115
1718-51-0	Terphenyl-d14 (Surr)	84		50-135
118-79-6	2,4,6-Tribromophenol (Surr)	77		40-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121217-15912.b\21217004.D
Lims ID: MB 240-68547/18-A
Client ID:
Inject. Date: 17-Dec-2012 11:18:30
Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0015912-004
Misc. Info.: mb 240-68547/18-a
Operator: 001710
Instrument ID: A4HP7
Injection Vol: 1.0 ul
ALS Bottle#: 4
Lims Batch ID: 68962
Lims Sample ID: 4
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121217-15912.b\8270_hp7.m
Last Update: 18-Dec-2012 09:22:49
Calib Date: 14-Nov-2012 18:19:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121114-14953.b\21114010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK030

First Level Reviewer: gruberj
Date: 17-Dec-2012 12:51:24

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.794	5.794	0.0	96	178197	4.00	
* 2 Naphthalene-d8	136	6.917	6.918	-0.001	100	655525	4.00	
* 3 Acenaphthene-d10	164	8.415	8.415	0.0	93	377226	4.00	
* 4 Phenanthrene-d10	188	9.667	9.672	-0.005	97	686082	4.00	
* 5 Chrysene-d12	240	12.148	12.148	0.0	94	727525	4.00	
* 6 Perylene-d12	264	14.160	14.160	0.0	98	550836	4.00	
$ 7 2-Fluorophenol	112	4.484	4.484	0.0	93	558681	10.1	
$ 8 Phenol-d5	99	5.441	5.441	0.0	90	727418	10.4	
$ 9 Nitrobenzene-d5	82	6.286	6.292	-0.006	91	437669	7.59	
$ 10 2-Fluorobiphenyl (Surr)	172	7.832	7.832	0.0	99	942052	7.70	
$ 11 2,4,6-Tribromophenol	330	9.078	9.078	0.0	94	180111	11.5	
$ 12 Terphenyl-d14	244	11.004	11.004	0.0	99	1125864	8.36	
20 2,5-Dichlorophenol	1		0.000					
22 3-Methylcatechol	1		0.000					
21 Octachlorostyrene	1		0.000					
13 Bis(2-hydroxyphenyl)methane	1		0.000					
240 3-isopropylphenol TIC	1		0.000					
234 2-Isopropylphenol TIC	1		0.000					
238 Trimethyl phosphate TIC	1		0.000					
236 4-isopropylphenol TIC	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
243 3-(1,1-Dimethylethyl Phenol) TIC	1		0.000					
19 Bis(4-hydroxyphenyl)methane	1		0.000					
241 Tricresyl phosphate TIC	1		0.000					
17 4-Chlorophenol	1		0.000					
237 Tris(2,3-dibromopropyl)phosphate	1		0.000					
235 2,3,7,8-TCDD TIC	1		0.000					
14 4-Methylcatechol	1		0.000					
23 Octachlorocyclopentene	1		0.000					
242 Triphenyl Phosphate TIC	1		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
15 Catechol	1		0.000					
239 2,3,7,8 TCDF TIC	1		0.000					
24 1,4-Dioxane	88		1.933					9
25 N-Nitrosodimethylamine	74		2.409					
26 Pyridine	79		2.451					9
27 Ethyl methacrylate	69		3.254					9
232 1-Methyl-2-pyrrilidinone	99		3.271					
18 Dimethylformamide	73		3.545					
28 3-Chloropropionitrile	54		3.740					
30 2-Picoline	93		3.854					
31 N-Nitrosomethylethylamine	88		4.020					
32 Malononitrile	66		4.163					
33 Acrylamide	71		4.168					
34 Methyl methanesulfonate	80		4.394					9
29 3-Picoline	93		4.448					9
233 n,n'-Dimethylacetamide	44		4.491					
35 N-Nitrosodiethylamine	102		4.828					
36 Ethyl methanesulfonate	79		5.138					
42 Phenylmercaptan	110		5.323					
37 2-Methylcyclohexanone	68		5.346					
38 3-Methylcyclohexanone	69		5.384					
40 Benzaldehyde	77		5.388					
39 4-Methylcyclohexanone	55		5.437					
41 Phenol	94		5.452					9
43 Aniline	93		5.484					9
44 Bis(2-chloroethyl)ether	93		5.543					9
46 2-Chlorophenol	128		5.596					9
45 Pentachloroethane	167		5.608					
47 1,3-Dichlorobenzene	146		5.741					
48 1,4-Dichlorobenzene	146		5.810					
49 Benzyl alcohol	108		5.912					9
53 Indene	115		5.922					9
50 1,2-Dichlorobenzene	146		5.944					
51 2-Methylphenol	108		6.008					9
52 2,2'-oxybis[1-chloropropane]	45		6.035					
191 3 & 4 Methylphenol	108		6.142					
56 N-Nitrosodi-n-propylamine	70		6.147					
57 Acetophenone	105		6.153					
55 N-Nitrosopyrrolidine	100		6.202					
58 N-Nitrosomorpholine	56		6.240					9
60 Hexachloroethane	117		6.249					
59 2-Toluidine	106		6.256					9
61 Nitrobenzene	77		6.308					9
63 Isophorone	82		6.511					9
62 N-Nitrosopiperidine	114		6.512					
65 2-Nitrophenol	139		6.586					
66 1,3,5-Trichlorobenzene	180		6.591					
64 2,4-Dimethylphenol	107		6.607					
69 Benzoic acid	122		6.682					9
68 Bis(2-chloroethoxy)methane	93		6.693					
67 o,o',o''-Triethylphosphorothioat	198		6.732					
71 2,4-Dichlorophenol	162		6.789					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
70 alpha,alpha-Dimethyl phenethylam	58		6.865					9
72 1,2,4-Trichlorobenzene	180		6.869					
73 Naphthalene	128		6.939					
74 4-Chloroaniline	127		6.976					
77 Hexachlorobutadiene	225		7.035					
79 Benzothiazole	135		7.056					
75 2,6-Dichlorophenol	162		7.058					
78 1,2,3-Trichlorobenzene	180		7.062					
76 Hexachloropropene	213		7.085					
80 Quinoline	129		7.120					
83 Caprolactam	113		7.265					
81 N-Nitrosodi-n-butylamine	84		7.320					
82 p-Phenylene diamine	108		7.347					
84 4-Chloro-3-methylphenol	107		7.377					
93 Safrole, Total	162		7.513					
85 2-Methylnaphthalene	142		7.527					
86 1-Methylnaphthalene	142		7.613					
88 Hexachlorocyclopentadiene	237		7.656					
87 1,2,3,5-Tetrachlorobenzene	216		7.656					
89 1,2,4,5-Tetrachlorobenzene	216		7.743					
225 Isosafrole Peak 1	162		7.759					
90 2,4,6-Trichlorophenol	196		7.763					
91 2,4,5-Trichlorophenol	196		7.795					
97 3,4-Dichloronitrobenzene	109		7.848					9
94 2,4-Toluene diamine	121		7.902					9
99 Phenyl ether	170		7.907					9
96 1,2,3,4 -Tetrachlorobenzene	216		7.912					
95 1,1'-Biphenyl	154		7.918					9
98 2-Chloronaphthalene	162		7.944					
227 Isosafrole Peak 2	162		7.951					19
100 2-Nitroaniline	65		8.019					
103 Dimethyl phthalate	163		8.164					9
101 1,4-Naphthoquinone	158		8.165					
102 1,4-Dinitrobenzene	168		8.208					
105 2,6-Dinitrotoluene	165		8.223					9
106 1,2-Dinitrobenzene	168		8.271					
104 1,3-Dinitrobenzene	168		8.272					
107 Acenaphthylene	152		8.297					
108 3-Nitroaniline	138		8.367					
110 Acenaphthene	153		8.442					
109 2,4-Dinitrophenol	184		8.453					
111 4-Nitrophenol	109		8.490					9
112 2,4-Dinitrotoluene	165		8.560					
114 Dibenzofuran	168		8.586					
113 Pentachlorobenzene	250		8.625					
115 2,3,5,6-Tetrachlorophenol	232		8.645					
116 1-Naphthylamine	143		8.727					
119 Diethyl phthalate	149		8.752					9
117 2,3,4,6-Tetrachlorophenol	232		8.759					
118 2-Naphthylamine	143		8.791					
121 4-Chlorophenyl phenyl ether	204		8.864					
124 Fluorene	166		8.875					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
123 4-Nitroaniline	138		8.880					
120 Thionazin	97		8.892					
126 4,6-Dinitro-2-methylphenol	198		8.907					
122 N-Nitro-o-toluidine	152		8.951					9
130 N-Nitrosodiphenylamine	169		8.961					
125 Tributyl phosphate	99		8.983					
131 Azobenzene	77		8.998					
129 1,2-Diphenylhydrazine	77		8.998					
128 Diphenylamine	169		9.032					9
132 Sulfotepp	202		9.139					
133 1,3,5-Trinitrobenzene	213		9.245					
228 Diallate Peak 1	86		9.267					1
137 4-Bromophenyl phenyl ether	248		9.276					
136 Phorate	121		9.278					
135 Phenacetin	108		9.278					
139 Hexachlorobenzene	284		9.340					
230 Diallate Peak 2	86		9.342					1
140 Atrazine	200		9.394					
138 Dimethoate	87		9.422					
141 Pentachlorophenol	266		9.501					
127 4-Aminobiphenyl	169		9.572					
143 Pentachloronitrobenzene	237		9.582					
142 Pronamide	173		9.599					
146 Phenanthrene	178		9.688					9
144 Disulfoton	88		9.711					9
145 Dinoseb	211		9.711					
147 Anthracene	178		9.731					9
149 Carbazole	167		9.859					
152 Diphenylsulfone	125		10.025					
150 Methyl parathion	109		10.032					
151 Di-n-butyl phthalate	149		10.116					
153 Ethyl Parathion	97		10.353					9
154 4-Nitroquinoline-1-oxide	190		10.411					
155 Methapyrilene	58		10.449					
156 Isodrin	66		10.641					
157 Fluoranthene	202		10.694					9
158 Benzidine	184		10.785					9
160 Pyrene	202		10.892					9
164 4,4'-DDE	246		10.950					9
226 Aramite Peak 1	185		11.043					
229 Aramite Peak 2	185		11.112					149
161 p-Dimethylamino azobenzene	225		11.219					
162 Chlorobenzilate	139		11.251					
163 4,4'-DDD	235		11.303					9
166 Butyl benzyl phthalate	149		11.464					9
165 Famphur	218		11.503					
167 3,3'-Dimethylbenzidine	212		11.561					
168 4,4'-DDT	235		11.581					
169 2-Acetylaminofluorene	181		11.845					
174 Hexabromobenzene	232		12.020					
170 3,3'-Dimethoxybenzidine	244		12.047					
172 4,4'-Methylene bis(2-chloroanili	231		12.090					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
173 3,3'-Dichlorobenzidine	252		12.090					
171 Bis(2-ethylhexyl) phthalate	149	12.111	12.106	0.005	91	23940	0.3710	
175 Benzo[a]anthracene	228		12.138					9
176 Chrysene	228		12.186					9
177 6-Methylchrysene	242		12.597					
178 Di-n-octyl phthalate	149		12.978					9
180 Benzo[b]fluoranthene	252		13.593					9
181 Benzo[k]fluoranthene	252		13.635					9
179 7,12-Dimethylbenz(a)anthracene	256		13.712					
182 Benzo[a]pyrene	252		14.079					
183 3-Methylcholanthrene	268		14.755					9
184 Dibenz[a,j]acridine	279		15.208					
185 Dibenz[a,h]acridine	279		15.277					
186 Indeno[1,2,3-cd]pyrene	276		15.780					
187 Dibenz(a,h)anthracene	278		15.802					
188 Benzo[g,h,i]perylene	276		16.197					
S 189 Methyl Phenols,Total	100		0.000					7
S 92 Isosafrole	162		5.138					7
S 134 Diallate	86		6.337					7
S 159 Aramite, Total	185		7.806					7
T 195 Hexamethylphosphoramide TIC	1		0.000					1
T 193 Hydroquinone TIC	110		0.000					1
T 231 2,3,7,8-TCDD	1		0.000					1
T 192 Decane TIC	142		3.050					
T 194 Octadecane (TIC)	254		6.300					1
T 196 Kepone TIC	1		8.281					1
T 197 Hexachlorophene TIC	1		9.269					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

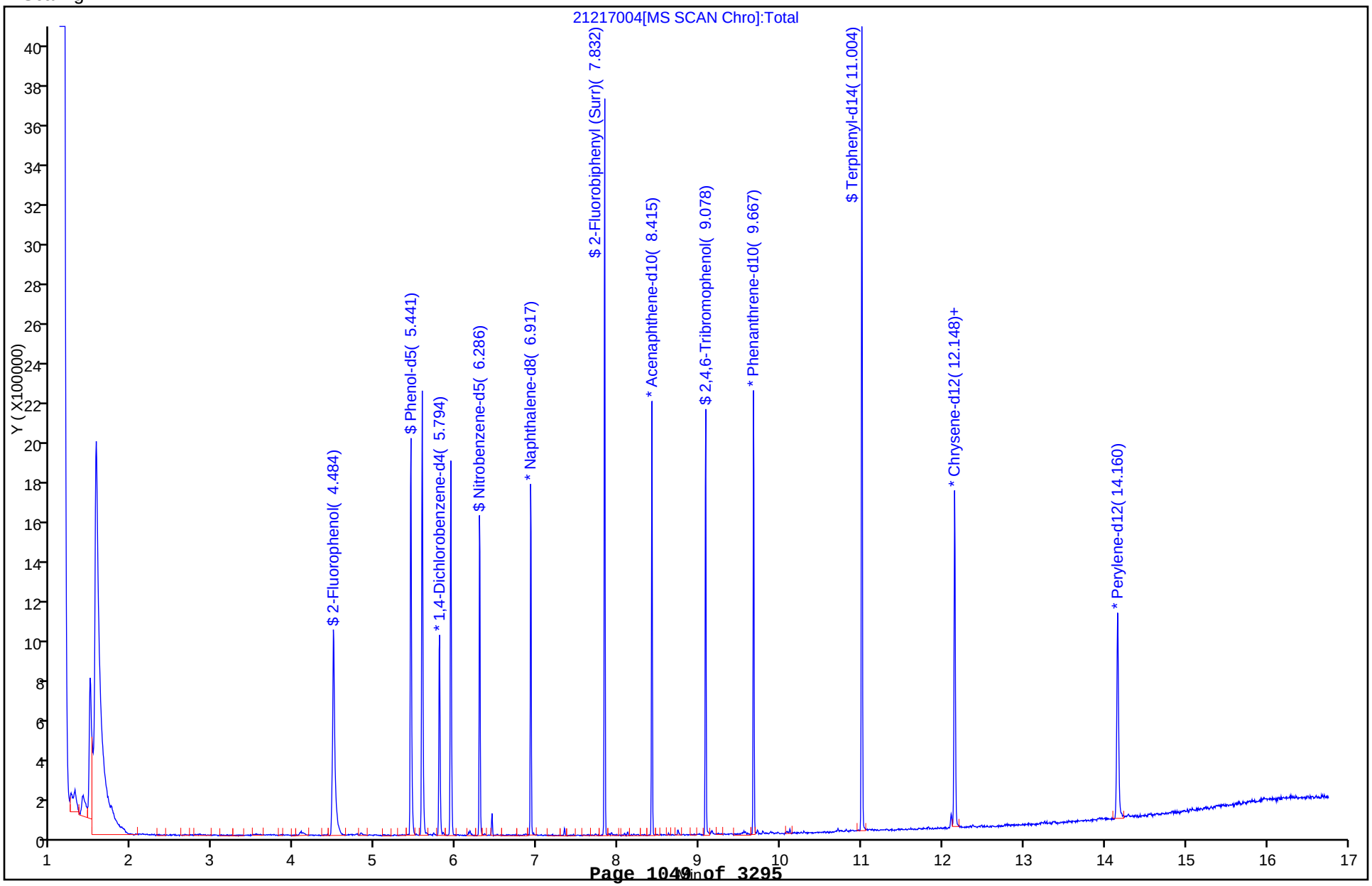
Report Date: 18-Dec-2012 09:22:52 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121217-15912.b\21217004.D

Injection Date:	17-Dec-2012 11:18:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	68962	Lims Sample ID:	4
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-70003/22-A

Matrix: Solid | Lab File ID: 21229004.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3520C | Date Extracted: 12/24/2012 10:26

Sample wt/vol: 250(mL) | Date Analyzed: 12/29/2012 12:15

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70566 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
110-86-1	Pyridine	0.00080	U	0.020	0.00080	0.00035
106-46-7	1,4-Dichlorobenzene	0.00080	U	0.0040	0.00080	0.00034
121-14-2	2,4-Dinitrotoluene	0.00080	U	0.020	0.00080	0.00027
118-74-1	Hexachlorobenzene	0.00010	U	0.020	0.00010	0.00010
87-68-3	Hexachlorobutadiene	0.00080	U	0.020	0.00080	0.00027
67-72-1	Hexachloroethane	0.00080	U	0.020	0.00080	0.00080
95-48-7	2-Methylphenol	0.00080	U	0.0040	0.00080	0.00080
15831-10-4	3 & 4 Methylphenol	0.00080	U	0.040	0.00080	0.00075
98-95-3	Nitrobenzene	0.00010	U	0.0040	0.00010	0.000040
87-86-5	Pentachlorophenol	0.0024	U	0.040	0.0024	0.0024
95-95-4	2,4,5-Trichlorophenol	0.00080	U	0.020	0.00080	0.00030
88-06-2	2,4,6-Trichlorophenol	0.00080	U	0.020	0.00080	0.00080

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	58		22-110
367-12-4	2-Fluorophenol (Surr)	29		10-110
4165-60-0	Nitrobenzene-d5 (Surr)	69		29-111
4165-62-2	Phenol-d5 (Surr)	67		10-110
1718-51-0	Terphenyl-d14 (Surr)	72		40-119
118-79-6	2,4,6-Tribromophenol (Surr)	76		17-117

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121229-16269.b\21229004.D
Lims ID: MB 240-70003/22-A Client ID:
Inject. Date: 29-Dec-2012 12:15:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0016269-004
Misc. Info.: MB 240-70003/22-A =MB 240-70003/22-A
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 70566 Lims Sample ID: 4
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121229-16269.b\8270 _9.m
Last Update: 31-Dec-2012 10:35:58 Calib Date: 21-Dec-2012 20:45:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221019.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK007

First Level Reviewer: ulmanm Date: 31-Dec-2012 08:49:02

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.923	5.918	0.005	93	100272	4.00	
* 2 Naphthalene-d8	136	7.034	7.034	0.0	99	376235	4.00	
* 3 Acenaphthene-d10	164	8.525	8.525	0.0	77	227325	4.00	
* 4 Phenanthrene-d10	188	9.786	9.786	0.0	94	396013	4.00	
* 5 Chrysene-d12	240	12.334	12.339	-0.005	76	390298	4.00	
* 6 Perylene-d12	264	14.412	14.412	0.0	78	312523	4.00	
$ 7 2-Fluorophenol	112	4.673	4.673	0.0	88	148252	4.41	
$ 8 Phenol-d5	99	5.571	5.571	0.0	0	496540	10.0	
$ 9 Nitrobenzene-d5	82	6.404	6.404	0.0	85	394852	6.87	
$ 10 2-Fluorobiphenyl (Surr)	172	7.943	7.943	0.0	99	528553	5.80	
$ 11 2,4,6-Tribromophenol	330	9.193	9.193	0.0	88	92748	11.5	
$ 12 Terphenyl-d14	244	11.142	11.143	-0.001	95	637540	7.21	
22 Bis(2-hydroxyphenyl)methane	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
19 Octachlorostyrene	1		0.000					
20 Dimethylformamide	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
13 Octachlorocyclopentene	1		0.000					
25 1,4-Dioxane	88		2.456					
35 Acrylamide	71		2.744					
26 N-Nitrosodimethylamine	74		2.921					
27 Pyridine	79		2.974					9
42 Phenylmercaptan	110		3.596					
28 Ethyl methacrylate	69		3.632					
232 1-Methyl-2-pyrrilidinone	99		3.880					
29 3-Chloropropionitrile	54		4.011					
31 2-Picoline	93		4.068					
52 Indene	115		4.084					
32 N-Nitrosomethylethylamine	88		4.212					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
33 Malononitrile	66		4.374					
17 4-Chlorophenol	128		4.500					
34 Methyl methanesulfonate	80		4.532					
30 3-Picoline	93		4.591					9
24 Catechol	110		4.592					9
233 n,n'-Dimethylacetamide	44		4.618					
15 3-Methylcatechol	124		4.913					
36 N-Nitrosodiethylamine	102		4.944					
14 4-Methylcatechol	124		5.036					
81 Benzothiazole	135		5.046					
82 Quinoline	129		5.099					
37 Ethyl methanesulfonate	79		5.232					
38 2-Methylcyclohexanone	68		5.441					
39 3-Methylcyclohexanone	69		5.478					
41 Benzaldehyde	77		5.523					9
40 4-Methylcyclohexanone	55		5.526					
43 Phenol	94		5.581					9
44 Aniline	93		5.619					
69 Bis(2-chloroethyl)ether	93		5.672					
45 Pentachloroethane	167		5.697					
96 3,4-Dichloronitrobenzene	109		5.725					
46 2-Chlorophenol	128		5.731					
101 Phenyl ether	170		5.773					
47 1,3-Dichlorobenzene	146		5.870					9
48 1,4-Dichlorobenzene	146		5.934					9
49 Benzyl alcohol	108	6.030	6.030	0.0	55	3808	0.1534	
50 1,2-Dichlorobenzene	146		6.073					
51 2-Methylphenol	108		6.126					9
53 2,2'-oxybis[1-chloropropane]	45		6.153					
21 3 & 4 Methylphenol	108		6.255					
57 N-Nitrosodi-n-propylamine	70		6.265					
58 Acetophenone	105		6.271					9
56 N-Nitrosopyrrolidine	100		6.274					
59 N-Nitrosomorpholine	56		6.306					9
60 2-Toluidine	106		6.327					
61 Hexachloroethane	117		6.372					
62 Nitrobenzene	77		6.420					9
63 N-Nitrosopiperidine	114		6.578					
64 Isophorone	82		6.623					9
66 2-Nitrophenol	139		6.698					
67 1,3,5-Trichlorobenzene	180		6.709					
65 2,4-Dimethylphenol	107		6.719					
71 Benzoic acid	122		6.789					
68 o,o',o''-Triethylphosphorothioat	198		6.798					
70 Bis(2-chloroethoxy)methane	93		6.799					
73 2,4-Dichlorophenol	162		6.906					
72 alpha,alpha-Dimethyl phenethylam	58		6.920					
74 1,2,4-Trichlorobenzene	180		6.981					
75 Naphthalene	128		7.051					9
76 4-Chloroaniline	127		7.088					
77 2,6-Dichlorophenol	162		7.123					
79 Hexachlorobutadiene	225		7.147					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
78 Hexachloropropene	213		7.155					
80 1,2,3-Trichlorobenzene	180		7.173					
84 Caprolactam	113		7.371					9
83 N-Nitrosodi-n-butylamine	84		7.385					9
85 p-Phenylene diamine	108		7.407					
86 4-Chloro-3-methylphenol	107		7.483					
94 Safrole, Total	162		7.577					
153 Diphenylsulfone	125		7.616					
87 2-Methylnaphthalene	142		7.638					
88 1-Methylnaphthalene	142		7.724					
89 Hexachlorocyclopentadiene	237		7.766					
90 1,2,3,5-Tetrachlorobenzene	216		7.766					
91 1,2,4,5-Tetrachlorobenzene	216		7.807					
225 Isosafrole Peak 1	162		7.823					
92 2,4,6-Trichlorophenol	196		7.873					
93 2,4,5-Trichlorophenol	196		7.905					
97 2,4-Toluene diamine	121		8.012					9
227 Isosafrole Peak 2	162		8.016					
99 1,2,3,4 -Tetrachlorobenzene	216		8.023					
98 1,1'-Biphenyl	154		8.028					9
100 2-Chloronaphthalene	162		8.055					
102 2-Nitroaniline	65		8.130					
103 1,4-Naphthoquinone	158		8.224					
104 1,4-Dinitrobenzene	168		8.267					
105 Dimethyl phthalate	163		8.269					
107 2,6-Dinitrotoluene	165		8.327					
106 1,3-Dinitrobenzene	168		8.331					
108 1,2-Dinitrobenzene	168		8.375					
109 Acenaphthylene	152		8.413					
110 3-Nitroaniline	138		8.477					
112 Acenaphthene	153		8.557					
111 2,4-Dinitrophenol	184		8.562					
113 4-Nitrophenol	109		8.600					
114 2,4-Dinitrotoluene	165		8.669					
115 Pentachlorobenzene	250		8.689					
116 Dibenzofuran	168		8.701					
118 2,3,5,6-Tetrachlorophenol	232		8.760					
117 1-Naphthylamine	143		8.790					
119 2,3,4,6-Tetrachlorophenol	232		8.822					
120 2-Naphthylamine	143		8.854					
121 Diethyl phthalate	149		8.856					
122 Thionazin	97		8.956					9
123 4-Chlorophenyl phenyl ether	204		8.974					
125 4-Nitroaniline	138		8.990					
126 Fluorene	166		8.990					
128 4,6-Dinitro-2-methylphenol	198		9.011					
124 N-Nitro-o-toluidine	152		9.015					
127 Tributyl phosphate	99		9.047					
131 N-Nitrosodiphenylamine	169		9.070					
130 Diphenylamine	169		9.100					9
133 Azobenzene	77		9.107					9
132 1,2-Diphenylhydrazine	77		9.107					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
134 Sulfotepp	202		9.207					
176 Hexabromobenzene	232		9.208					
135 1,3,5-Trinitrobenzene	213		9.298					
228 Diallate Peak 1	86		9.335					9
137 Phenacetin	108		9.340					
138 Phorate	121		9.346					
139 4-Bromophenyl phenyl ether	248		9.390					
230 Diallate Peak 2	86		9.415					
141 Hexachlorobenzene	284		9.454					
140 Dimethoate	87		9.490					
142 Atrazine	200		9.503					
179 6-Methylchrysene	242		9.576					
143 Pentachlorophenol	266		9.615					
129 4-Aminobiphenyl	169		9.640					
145 Pentachloronitrobenzene	237		9.650					
144 Pronamide	173		9.666					
147 Dinoseb	211		9.778					
146 Disulfoton	88		9.784					9
148 Phenanthrene	178		9.807					9
149 Anthracene	178		9.850					9
151 Carbazole	167		9.978					9
152 Methyl parathion	109		10.104					
154 Di-n-butyl phthalate	149		10.229					9
155 Ethyl Parathion	97		10.425					
156 4-Nitroquinoline-1-oxide	190		10.478					
157 Methapyrilene	58		10.526					
158 Isodrin	66		10.719					
159 Fluoranthene	202		10.817					
160 Benzidine	184		10.913					9
161 Pyrene	202		11.025					
166 4,4'-DDE	246		11.116					9
226 Aramite Peak 1	185		11.130					9
229 Aramite Peak 2	185		11.205					9
163 p-Dimethylamino azobenzene	225		11.312					
164 Chlorobenzilate	139		11.344					
165 4,4'-DDD	235		11.450					
167 Famphur	218		11.605					
168 Butyl benzyl phthalate	149		11.618					
169 3,3'-Dimethylbenzidine	212		11.664					
187 Dibenz[a,h]acridine	279		11.729					
170 4,4'-DDT	235		11.738					9
186 Dibenz[a,j]acridine	279		11.804					
171 2-Acetylaminofluorene	181		11.953					
172 3,3'-Dimethoxybenzidine	244		12.227					
175 3,3'-Dichlorobenzidine	252		12.270					
174 4,4'-Methylene bis(2-chloroanili	231		12.270					9
173 Bis(2-ethylhexyl) phthalate	149		12.291					
177 Benzo[a]anthracene	228		12.323					
178 Chrysene	228		12.371					
180 Di-n-octyl phthalate	149		13.199					9
182 Benzo[b]fluoranthene	252		13.830					
181 7,12-Dimethylbenz(a)anthracene	256		13.871					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
183 Benzo[k]fluoranthene	252		13.872					
184 Benzo[a]pyrene	252		14.332					
185 3-Methylcholanthrene	268		14.928					
188 Indeno[1,2,3-cd]pyrene	276		16.073					
189 Dibenz(a,h)anthracene	278		16.105					
190 Benzo[g,h,i]perylene	276		16.527					
S 191 Methyl Phenols,Total	100		0.000					7
S 95 Isosafrole	162		5.568					7
S 136 Diallate	86		6.701					7
S 162 Aramite, Total	185		8.271					7
T 195 Hydroquinone TIC	110		0.000					1
T 240 Trimethyl phosphate TIC	110		3.120					1
T 193 Hexamethylphosphoramide TIC	135		5.100					1
T 194 Decane TIC	142		5.800					
T 234 2-Isopropylphenol TIC	121		7.019					
T 235 4-isopropylphenol TIC	121		7.173					
T 236 3-isopropylphenol TIC	121		7.173					
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		7.537					1
T 196 Kepone TIC	272		8.281					1
T 242 Triphenyl Phosphate TIC	326		8.700					1
T 238 2,3,7,8-TCDD TIC	1		9.000					1
T 197 Hexachlorophene TIC	198		9.269					
T 241 Tricresyl phosphate TIC	368		9.372					1
T 192 Octadecane (TIC)	254		9.600					1
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					1
T 231 2,3,7,8-TCDD	322		12.400					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

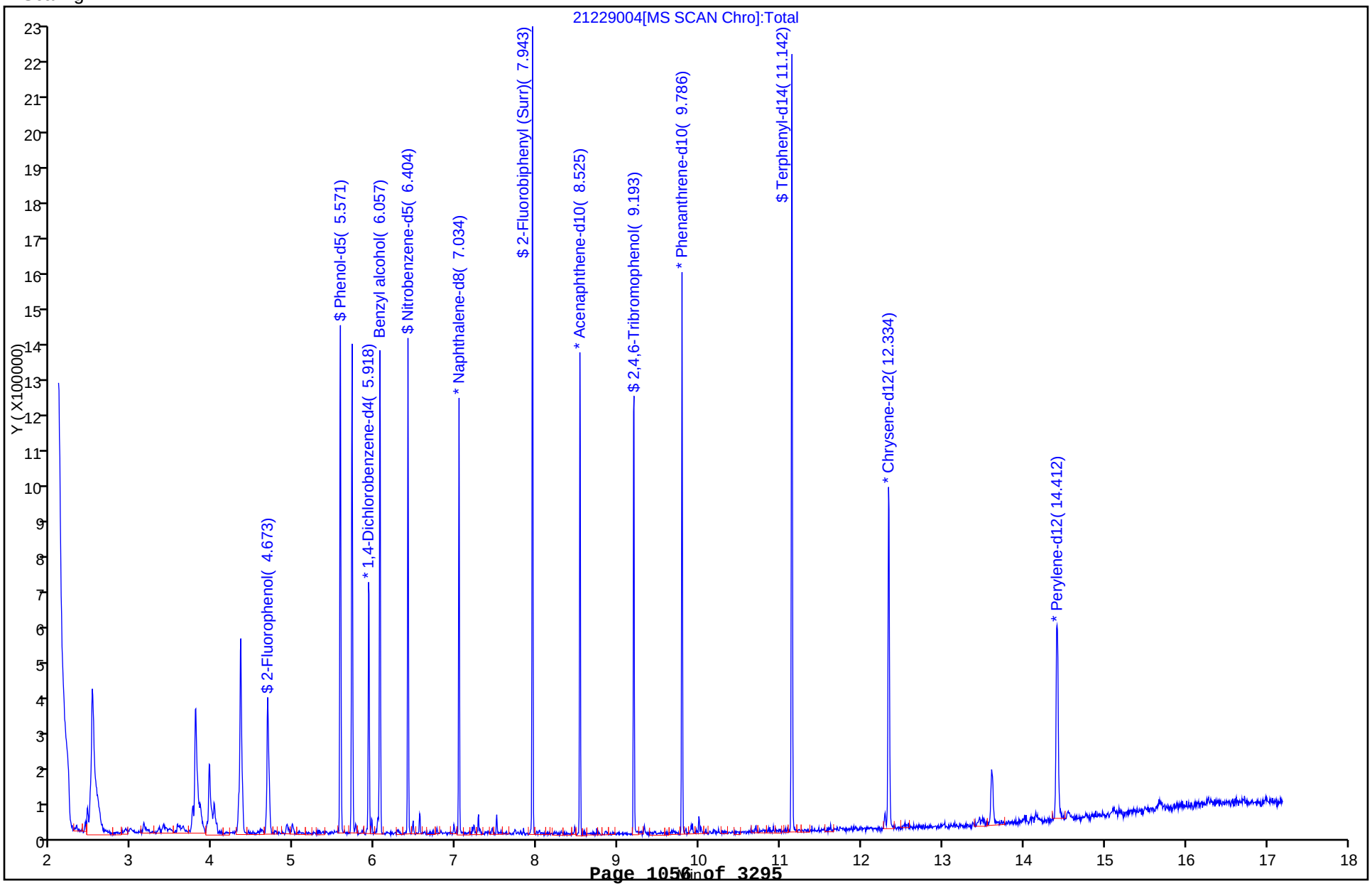
Report Date: 31-Dec-2012 10:36:02 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121229-16269.b\21229004.D

Injection Date:	29-Dec-2012 12:15:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	70566	Lims Sample ID:	4
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-68547/19-A

Matrix: Water | Lab File ID: 21217005.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3520C | Date Extracted: 12/13/2012 11:21

Sample wt/vol: 1000(mL) | Date Analyzed: 12/17/2012 11:41

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 68962 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	15.4		0.20	0.10	0.10
208-96-8	Acenaphthylene	15.4		0.20	0.10	0.10
120-12-7	Anthracene	15.8		0.20	0.10	0.10
56-55-3	Benzo[a]anthracene	15.8		0.20	0.10	0.10
50-32-8	Benzo[a]pyrene	14.0		0.20	0.10	0.10
205-99-2	Benzo[b]fluoranthene	16.9		0.20	0.10	0.10
191-24-2	Benzo[g,h,i]perylene	18.3		0.20	0.10	0.10
65-85-0	Benzoic acid	10	U	25	10	10
207-08-9	Benzo[k]fluoranthene	16.7		0.20	0.10	0.10
100-51-6	Benzyl alcohol	16.0		5.0	0.80	0.38
111-91-1	Bis(2-chloroethoxy)methane	14.7		1.0	0.80	0.32
111-44-4	Bis(2-chloroethyl)ether	15.3		1.0	0.10	0.10
108-60-1	bis (2-chloroisopropyl) ether	14.1		1.0	0.80	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	15.3		2.0	0.80	0.80
101-55-3	4-Bromophenyl phenyl ether	16.8		2.0	0.80	0.80
85-68-7	Butyl benzyl phthalate	15.5		1.0	0.80	0.80
86-74-8	Carbazole	15.7		1.0	0.80	0.28
106-47-8	4-Chloroaniline	14.0		2.0	0.80	0.80
59-50-7	4-Chloro-3-methylphenol	16.3		2.0	0.80	0.80
91-58-7	2-Chloronaphthalene	15.0		1.0	0.10	0.10
95-57-8	2-Chlorophenol	15.7		1.0	0.80	0.29
7005-72-3	4-Chlorophenyl phenyl ether	16.3		2.0	0.80	0.30
218-01-9	Chrysene	16.4		0.20	0.10	0.10
53-70-3	Dibenz(a,h)anthracene	16.8		0.20	0.10	0.10
132-64-9	Dibenzofuran	15.4		1.0	0.10	0.10
95-50-1	1,2-Dichlorobenzene	14.6		1.0	0.80	0.29
541-73-1	1,3-Dichlorobenzene	14.2		1.0	0.80	0.80
106-46-7	1,4-Dichlorobenzene	14.6		1.0	0.80	0.34
91-94-1	3,3'-Dichlorobenzidine	10.1		5.0	0.80	0.37
120-83-2	2,4-Dichlorophenol	16.3		2.0	0.80	0.80
84-66-2	Diethyl phthalate	16.9		1.0	0.80	0.60
105-67-9	2,4-Dimethylphenol	11.7		2.0	0.80	0.80
131-11-3	Dimethyl phthalate	17.1		1.0	0.80	0.29
84-74-2	Di-n-butyl phthalate	16.9		1.0	0.80	0.67

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-68547/19-A

Matrix: Water | Lab File ID: 21217005.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3520C | Date Extracted: 12/13/2012 11:21

Sample wt/vol: 1000(mL) | Date Analyzed: 12/17/2012 11:41

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 68962 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	14.8		5.0	2.4	2.4
51-28-5	2,4-Dinitrophenol	12.5		5.0	2.4	2.4
121-14-2	2,4-Dinitrotoluene	16.9		5.0	0.80	0.27
606-20-2	2,6-Dinitrotoluene	16.7		5.0	0.80	0.80
117-84-0	Di-n-octyl phthalate	15.6		1.0	0.80	0.80
206-44-0	Fluoranthene	16.5		0.20	0.10	0.10
86-73-7	Fluorene	15.8		0.20	0.10	0.10
118-74-1	Hexachlorobenzene	16.2		0.20	0.10	0.10
87-68-3	Hexachlorobutadiene	15.3		1.0	0.80	0.27
77-47-4	Hexachlorocyclopentadiene	5.43	J	10	0.80	0.80
67-72-1	Hexachloroethane	14.0		1.0	0.80	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	16.7		0.20	0.10	0.10
78-59-1	Isophorone	16.5		1.0	0.80	0.27
91-57-6	2-Methylnaphthalene	15.5		0.20	0.10	0.10
95-48-7	2-Methylphenol	14.2		1.0	0.80	0.80
15831-10-4	3 & 4 Methylphenol	29.1		2.0	0.80	0.80
91-20-3	Naphthalene	15.3		0.20	0.10	0.10
88-74-4	2-Nitroaniline	16.6		2.0	0.80	0.80
99-09-2	3-Nitroaniline	16.2		2.0	0.80	0.28
100-01-6	4-Nitroaniline	15.0		2.0	0.80	0.80
98-95-3	Nitrobenzene	16.1		1.0	0.10	0.040
88-75-5	2-Nitrophenol	16.2		2.0	0.80	0.28
100-02-7	4-Nitrophenol	19.1		5.0	2.4	2.4
621-64-7	N-Nitrosodi-n-propylamine	16.0		1.0	0.80	0.80
86-30-6	N-Nitrosodiphenylamine	15.3		1.0	0.80	0.31
87-86-5	Pentachlorophenol	12.7		5.0	2.4	2.4
85-01-8	Phenanthrene	15.8		0.20	0.10	0.10
108-95-2	Phenol	15.0		1.0	0.80	0.60
129-00-0	Pyrene	14.9		0.20	0.10	0.10
120-82-1	1,2,4-Trichlorobenzene	14.8		1.0	0.80	0.28
95-95-4	2,4,5-Trichlorophenol	16.2		5.0	0.80	0.30
88-06-2	2,4,6-Trichlorophenol	17.0		5.0	0.80	0.80

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-68547/19-A

Matrix: Water | Lab File ID: 21217005.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3520C | Date Extracted: 12/13/2012 11:21

Sample wt/vol: 1000(mL) | Date Analyzed: 12/17/2012 11:41

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 68962 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	74		50-110
367-12-4	2-Fluorophenol (Surr)	72		20-110
4165-60-0	Nitrobenzene-d5 (Surr)	78		40-110
4165-62-2	Phenol-d5 (Surr)	73		10-115
1718-51-0	Terphenyl-d14 (Surr)	83		50-135
118-79-6	2,4,6-Tribromophenol (Surr)	83		40-125

Report Date: 18-Dec-2012 09:22:54 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121217-15912.b\21217005.D
Lims ID: LCS 240-68547/19-A Client ID:
Inject. Date: 17-Dec-2012 11:41:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0015912-005
Misc. Info.: lcs 240-68547/19-a
Operator: 001710 Instrument ID: A4HP7
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 68962 Lims Sample ID: 5
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121217-15912.b\8270_hp7.m
Last Update: 18-Dec-2012 09:22:49 Calib Date: 14-Nov-2012 18:19:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121114-14953.b\21114010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK030

First Level Reviewer: gruberj Date: 17-Dec-2012 12:53:04

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.794	5.794	0.0	96	169148	4.00	
* 2 Naphthalene-d8	136	6.918	6.918	0.0	100	654593	4.00	
* 3 Acenaphthene-d10	164	8.415	8.415	0.0	92	389410	4.00	
* 4 Phenanthrene-d10	188	9.667	9.672	-0.005	97	687874	4.00	
* 5 Chrysene-d12	240	12.148	12.148	0.0	97	732876	4.00	
* 6 Perylene-d12	264	14.160	14.160	0.0	94	567482	4.00	
$ 7 2-Fluorophenol	112	4.489	4.484	0.005	94	560773	10.7	
$ 8 Phenol-d5	99	5.441	5.441	0.0	90	731364	11.0	
$ 9 Nitrobenzene-d5	82	6.286	6.292	-0.006	90	446961	7.77	
$ 10 2-Fluorobiphenyl (Surr)	172	7.832	7.832	0.0	99	936137	7.41	
$ 11 2,4,6-Tribromophenol	330	9.078	9.078	0.0	93	200605	12.5	
$ 12 Terphenyl-d14	244	11.004	11.004	0.0	99	1129275	8.32	
24 1,4-Dioxane	88	1.927	1.933	-0.006	92	108194	5.51	
25 N-Nitrosodimethylamine	74	2.403	2.409	-0.006	82	186006	5.67	
26 Pyridine	79	2.462	2.451	0.011	88	37534	0.6672	
30 2-Picoline	93	3.762	3.854	-0.092	87	34386	0.5804	
36 Ethyl methanesulfonate	79	5.056	5.138	-0.082	97	286397	6.85	
40 Benzaldehyde	77	5.388	5.388	0.0	94	354676	8.04	
41 Phenol	94	5.452	5.452	0.0	94	529450	7.48	
43 Aniline	93	5.484	5.484	0.0	88	482164	5.45	
44 Bis(2-chloroethyl)ether	93	5.543	5.543	0.0	95	417466	7.64	
46 2-Chlorophenol	128	5.596	5.596	0.0	96	449732	7.87	
47 1,3-Dichlorobenzene	146	5.741	5.741	0.0	96	437500	7.10	
48 1,4-Dichlorobenzene	146	5.810	5.810	0.0	92	448351	7.32	
49 Benzyl alcohol	108	5.912	5.912	0.0	90	281229	7.98	
50 1,2-Dichlorobenzene	146	5.944	5.944	0.0	86	425978	7.30	
51 2-Methylphenol	108	6.008	6.008	0.0	96	366611	7.11	
52 2,2'-oxybis[1-chloropropane]	45	6.035	6.035	0.0	89	566336	7.06	
191 3 & 4 Methylphenol	108	6.142	6.142	0.0	91	785929	14.5	
56 N-Nitrosodi-n-propylamine	70	6.147	6.147	0.0	89	307068	8.02	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
57 Acetophenone	105	6.153	6.153	0.0	87	576883	7.55	
60 Hexachloroethane	117	6.249	6.249	0.0	92	174335	7.01	
61 Nitrobenzene	77	6.308	6.308	0.0	89	480217	8.07	
63 Isophorone	82	6.511	6.511	0.0	99	859488	8.23	
65 2-Nitrophenol	139	6.586	6.586	0.0	98	226732	8.10	
64 2,4-Dimethylphenol	107	6.607	6.607	0.0	95	321658	5.85	
69 Benzoic acid	122	6.645	6.682	-0.037	85	84660	3.62	
68 Bis(2-chloroethoxy)methane	93	6.693	6.693	0.0	100	487160	7.35	
71 2,4-Dichlorophenol	162	6.789	6.789	0.0	96	355009	8.16	
72 1,2,4-Trichlorobenzene	180	6.864	6.869	-0.005	93	382743	7.38	
73 Naphthalene	128	6.939	6.939	0.0	96	1250050	7.64	
74 4-Chloroaniline	127	6.976	6.976	0.0	86	486554	6.98	
77 Hexachlorobutadiene	225	7.035	7.035	0.0	94	215017	7.65	
80 Quinoline	129		7.120					9
83 Caprolactam	113	7.254	7.265	-0.011	76	125231	7.48	
84 4-Chloro-3-methylphenol	107	7.377	7.377	0.0	96	380049	8.14	
93 Safrole, Total	162	7.442	7.513	-0.071	89	328463	8.06	
85 2-Methylnaphthalene	142	7.527	7.527	0.0	89	813429	7.77	
86 1-Methylnaphthalene	142	7.613	7.613	0.0	89	767660	7.71	
88 Hexachlorocyclopentadiene	237	7.656	7.656	0.0	93	85602	2.71	
90 2,4,6-Trichlorophenol	196	7.763	7.763	0.0	90	278595	8.49	
91 2,4,5-Trichlorophenol	196	7.795	7.795	0.0	95	286353	8.10	
95 1,1'-Biphenyl	154	7.918	7.918	0.0	94	1041747	7.57	
98 2-Chloronaphthalene	162	7.944	7.944	0.0	97	807887	7.51	
100 2-Nitroaniline	65	8.019	8.019	0.0	78	261396	8.28	
103 Dimethyl phthalate	163	8.164	8.164	0.0	98	977223	8.54	
102 1,4-Dinitrobenzene	168		8.208					
105 2,6-Dinitrotoluene	165	8.217	8.223	-0.006	79	218080	8.37	
106 1,2-Dinitrobenzene	168	8.271	8.271	0.0	92	115591	9.11	
104 1,3-Dinitrobenzene	168		8.272					
107 Acenaphthylene	152	8.297	8.297	0.0	91	1368107	7.70	
108 3-Nitroaniline	138	8.367	8.367	0.0	93	231669	8.09	
110 Acenaphthene	153	8.442	8.442	0.0	94	821897	7.69	
109 2,4-Dinitrophenol	184	8.453	8.453	0.0	85	81453	6.26	
111 4-Nitrophenol	109	8.485	8.490	-0.005	96	157206	9.53	
112 2,4-Dinitrotoluene	165	8.560	8.560	0.0	92	296356	8.45	
114 Dibenzofuran	168	8.586	8.586	0.0	87	1221460	7.70	
115 2,3,5,6-Tetrachlorophenol	232	8.645	8.645	0.0	90	229929	7.89	
119 Diethyl phthalate	149	8.747	8.752	-0.005	97	1011311	8.46	
117 2,3,4,6-Tetrachlorophenol	232		8.759					
121 4-Chlorophenyl phenyl ether	204	8.864	8.864	0.0	91	489885	8.13	
124 Fluorene	166	8.875	8.875	0.0	84	1003881	7.89	
123 4-Nitroaniline	138	8.880	8.880	0.0	69	234128	7.52	
126 4,6-Dinitro-2-methylphenol	198	8.902	8.907	-0.005	82	162229	7.38	
130 N-Nitrosodiphenylamine	169	8.961	8.961	0.0	0	726125	7.65	
131 Azobenzene	77	8.998	8.998	0.0	99	986081	7.37	
129 1,2-Diphenylhydrazine	77	8.998	8.998	0.0	0	986081	7.37	
137 4-Bromophenyl phenyl ether	248	9.276	9.276	0.0	63	294386	8.39	
136 Phorate	121	9.201	9.278	-0.077	92	170208	7.97	
135 Phenacetin	108	9.201	9.278	-0.077	92	463430	8.21	
139 Hexachlorobenzene	284	9.340	9.340	0.0	90	292990	8.11	
140 Atrazine	200	9.389	9.394	-0.005	91	287148	11.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.501	9.501	0.0	87	146653	6.34	
142 Pronamide	173		9.599					
146 Phenanthrene	178	9.688	9.688	0.0	96	1486358	7.91	
147 Anthracene	178	9.731	9.731	0.0	97	1472166	7.88	
149 Carbazole	167	9.859	9.859	0.0	82	1426114	7.86	
151 Di-n-butyl phthalate	149	10.116	10.116	0.0	100	1724970	8.47	
157 Fluoranthene	202	10.694	10.694	0.0	96	1713648	8.26	
160 Pyrene	202	10.892	10.892	0.0	99	1747981	7.47	
162 Chlorobenzilate	139	11.164	11.251	-0.087	90	480321	7.56	
166 Butyl benzyl phthalate	149	11.464	11.464	0.0	98	740585	7.77	
173 3,3'-Dichlorobenzidine	252	12.090	12.090	0.0	69	400116	5.03	
171 Bis(2-ethylhexyl) phthalate	149	12.106	12.106	0.0	96	1027931	7.63	
175 Benzo[a]anthracene	228	12.138	12.138	0.0	97	1618760	7.91	
176 Chrysene	228	12.181	12.186	-0.005	94	1600859	8.21	
178 Di-n-octyl phthalate	149	12.983	12.978	0.005	99	1578168	7.80	
180 Benzo[b]fluoranthene	252	13.593	13.593	0.0	92	1527761	8.44	
181 Benzo[k]fluoranthene	252	13.635	13.635	0.0	94	1645773	8.37	
182 Benzo[a]pyrene	252	14.079	14.079	0.0	75	1294423	7.01	
186 Indeno[1,2,3-cd]pyrene	276	15.780	15.780	0.0	99	1704486	8.33	
187 Dibenz(a,h)anthracene	278	15.802	15.802	0.0	77	1464640	8.39	
188 Benzo[g,h,i]perylene	276	16.192	16.197	-0.005	94	1483200	9.13	

QC Flag Legend

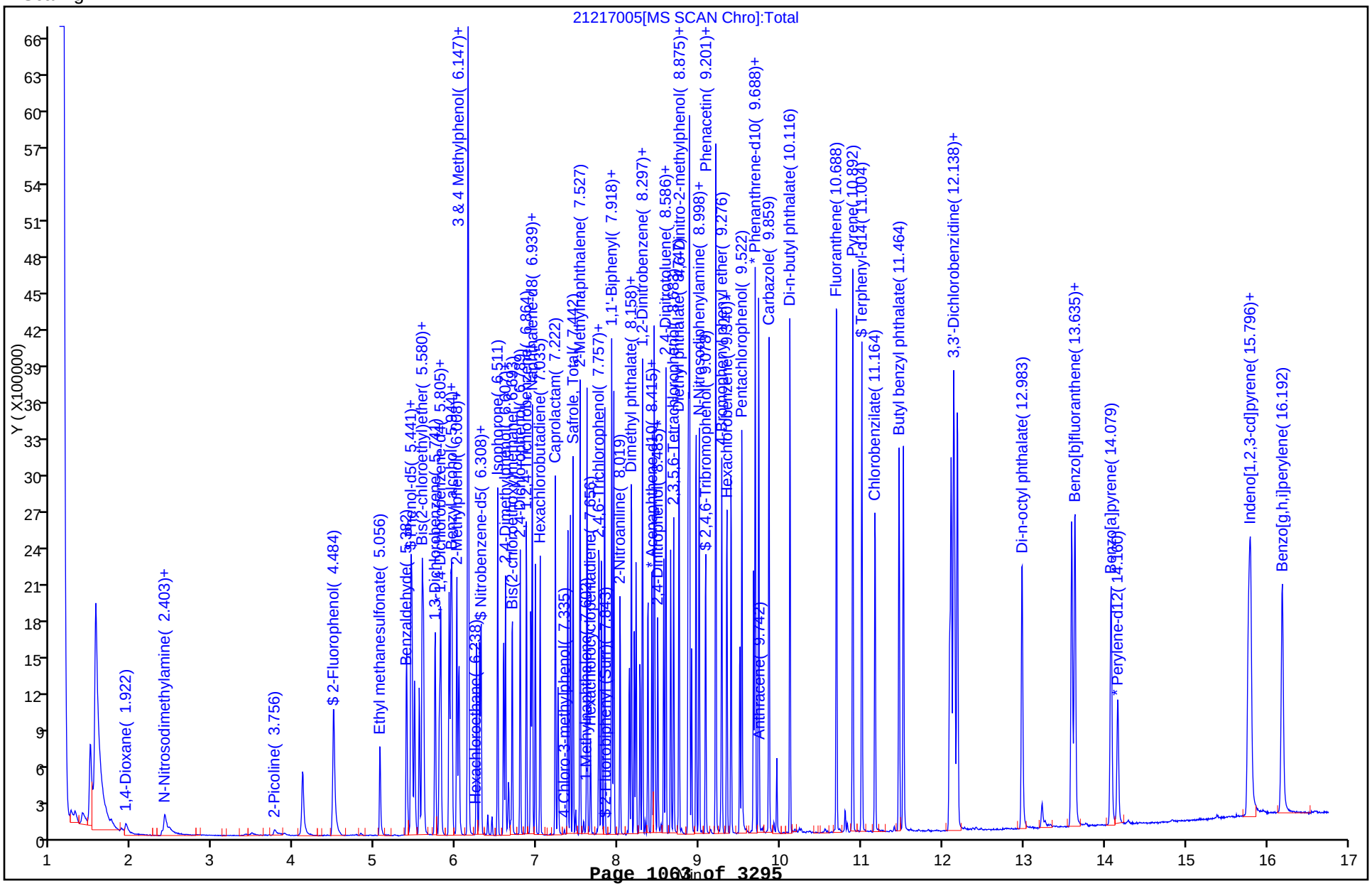
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 18-Dec-2012 09:22:54 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121217-15912.b\21217005.D		
Injection Date:	17-Dec-2012 11:41:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	68962	Lims Sample ID:	5
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-70003/23-A

Matrix: Solid | Lab File ID: 21229005.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3520C | Date Extracted: 12/24/2012 10:26

Sample wt/vol: 250(mL) | Date Analyzed: 12/29/2012 12:39

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70566 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
110-86-1	Pyridine	0.0608	M	0.020	0.00080	0.00035
106-46-7	1,4-Dichlorobenzene	0.0565		0.0040	0.00080	0.00034
121-14-2	2,4-Dinitrotoluene	0.0554		0.020	0.00080	0.00027
118-74-1	Hexachlorobenzene	0.0519		0.020	0.00010	0.00010
87-68-3	Hexachlorobutadiene	0.0416		0.020	0.00080	0.00027
67-72-1	Hexachloroethane	0.0455		0.020	0.00080	0.00080
95-48-7	2-Methylphenol	0.0635		0.0040	0.00080	0.00080
15831-10-4	3 & 4 Methylphenol	0.133		0.040	0.00080	0.00075
98-95-3	Nitrobenzene	0.0550		0.0040	0.00010	0.000040
87-86-5	Pentachlorophenol	0.0522		0.040	0.0024	0.0024
95-95-4	2,4,5-Trichlorophenol	0.0633		0.020	0.00080	0.00030
88-06-2	2,4,6-Trichlorophenol	0.0636		0.020	0.00080	0.00080

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	58		22-110
367-12-4	2-Fluorophenol (Surr)	49		10-110
4165-60-0	Nitrobenzene-d5 (Surr)	69		29-111
4165-62-2	Phenol-d5 (Surr)	74		10-110
1718-51-0	Terphenyl-d14 (Surr)	69		40-119
118-79-6	2,4,6-Tribromophenol (Surr)	77		17-117

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121229-16269.b\21229005.D
Lims ID: LCS 240-70003/23-A Client ID:
Inject. Date: 29-Dec-2012 12:39:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0016269-005
Misc. Info.: LCS 240-70003/23-A =LCS 240-70003/23-A
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 70566 Lims Sample ID: 5
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121229-16269.b\8270 _9.m
Last Update: 31-Dec-2012 10:35:58 Calib Date: 21-Dec-2012 20:45:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221019.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK007

First Level Reviewer: ulmanm Date: 31-Dec-2012 08:49:51

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.921	5.918	0.003	94	119282	4.00	
* 2 Naphthalene-d8	136	7.032	7.034	-0.002	99	476764	4.00	
* 3 Acenaphthene-d10	164	8.528	8.525	0.003	91	285435	4.00	
* 4 Phenanthrene-d10	188	9.789	9.786	0.003	95	483562	4.00	
* 5 Chrysene-d12	240	12.337	12.339	-0.002	76	461343	4.00	
* 6 Perylene-d12	264	14.415	14.412	0.003	81	376762	4.00	
$ 7 2-Fluorophenol	112	4.666	4.673	-0.007	93	293297	7.33	
$ 8 Phenol-d5	99	5.568	5.571	-0.003	0	653939	11.1	
$ 9 Nitrobenzene-d5	82	6.402	6.404	-0.002	83	502783	6.90	
$ 10 2-Fluorobiphenyl (Surr)	172	7.940	7.943	-0.003	99	668297	5.84	
$ 11 2,4,6-Tribromophenol	330	9.190	9.193	-0.003	81	117123	11.5	
$ 12 Terphenyl-d14	244	11.140	11.143	-0.003	99	723210	6.92	
27 Pyridine	79	2.945	2.974	-0.029	92	426790	7.60	M
48 1,4-Dichlorobenzene	146	5.932	5.934	-0.002	84	296933	7.06	
51 2-Methylphenol	108	6.124	6.126	-0.002	95	345865	7.94	
21 3 & 4 Methylphenol	108	6.258	6.255	0.003	90	756928	16.6	
61 Hexachloroethane	117	6.370	6.372	-0.002	87	125742	5.69	
62 Nitrobenzene	77	6.423	6.420	0.003	76	525489	6.87	
79 Hexachlorobutadiene	225	7.150	7.147	0.003	89	131230	5.20	
92 2,4,6-Trichlorophenol	196	7.871	7.873	-0.002	92	190125	7.94	
93 2,4,5-Trichlorophenol	196	7.903	7.905	-0.002	90	203098	7.92	
114 2,4-Dinitrotoluene	165	8.667	8.669	-0.002	74	204900	6.93	
141 Hexachlorobenzene	284	9.458	9.454	0.004	81	180818	6.49	
143 Pentachlorophenol	266	9.612	9.615	-0.003	78	107435	6.52	

QC Flag Legend

Review Flags
M - Manually Integrated

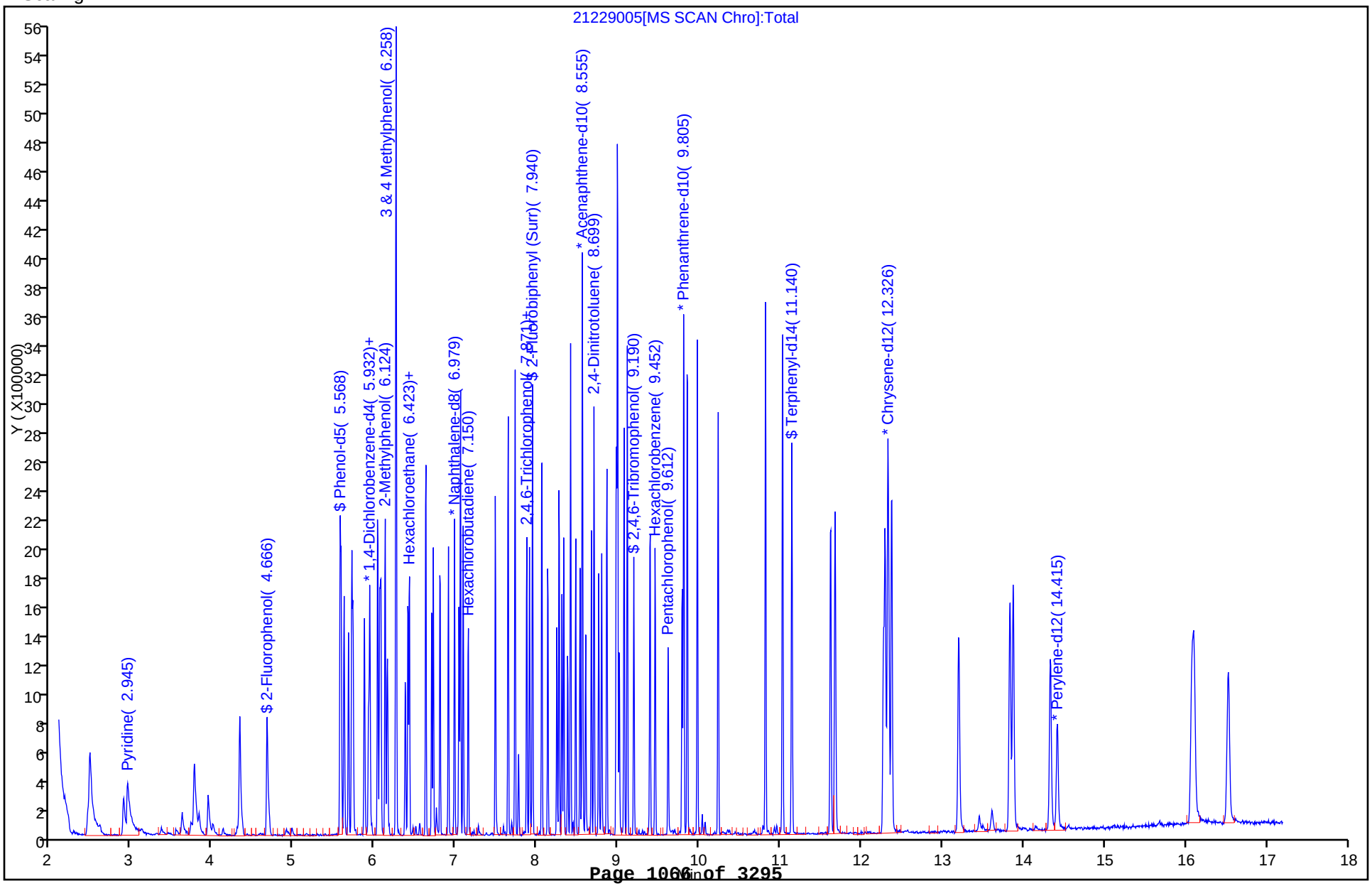
Report Date: 31-Dec-2012 10:36:03 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121229-16269.b\21229005.D

Injection Date:	29-Dec-2012 12:39:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	70566	Lims Sample ID:	5
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

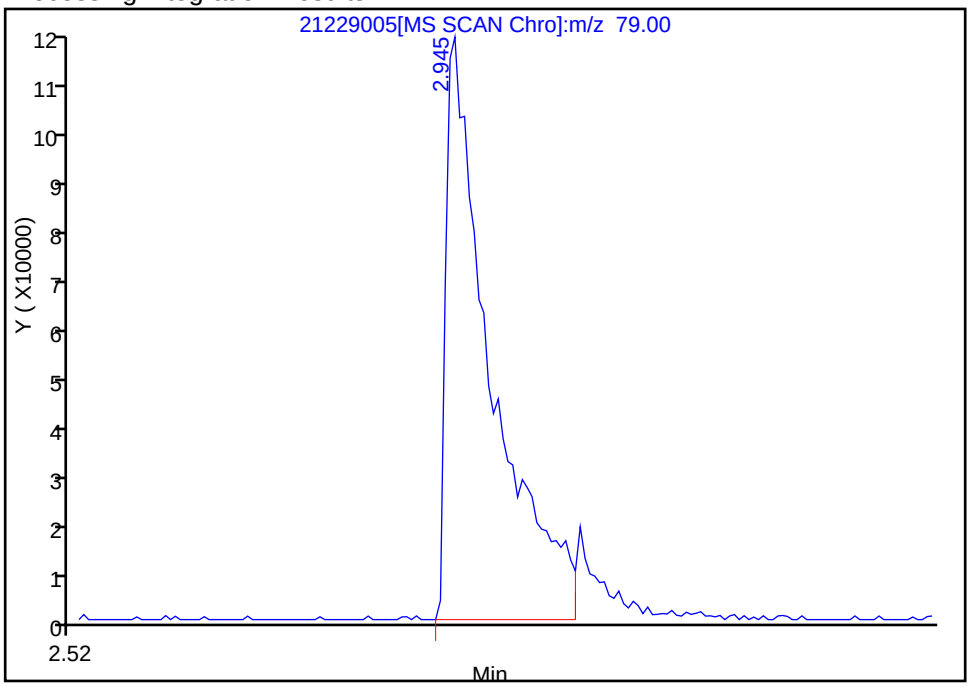
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121229-16269.b\21229005.D		
Injection Date:	29-Dec-2012 12:39:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	70566	Lims Sample ID:	5
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

27 Pyridine, Signal: 1, m/z: 79.0 Type: quant, RT: 2.97

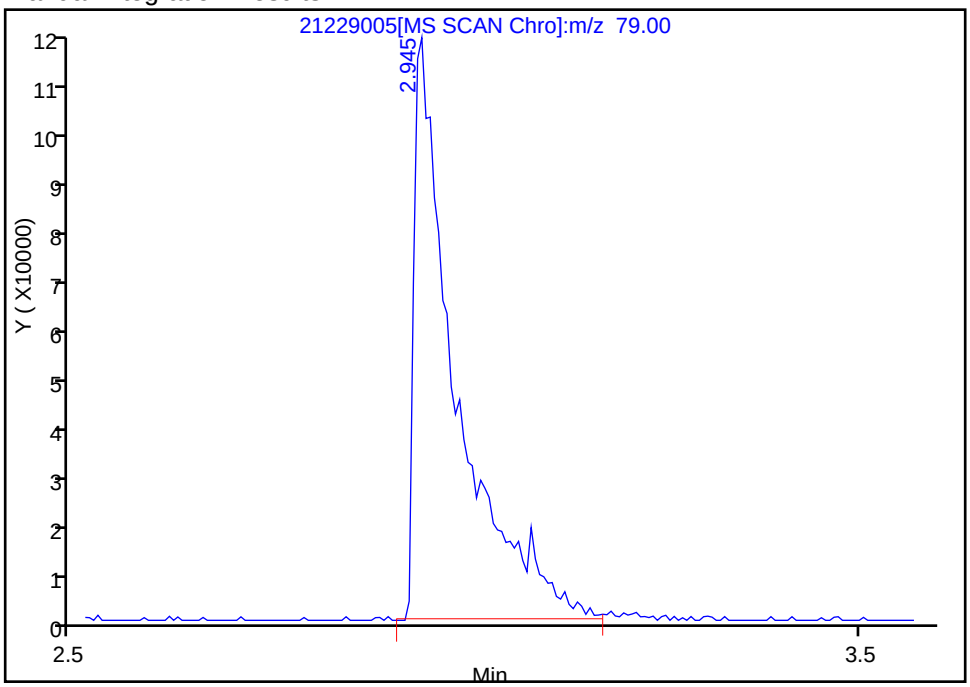
Processing Integration Results

RT: 2.95
Response: 400761
Amount: 7.137343



Manual Integration Results

RT: 2.95
Response: 426790
Amount: 7.600905



Reviewer: ulmanm, 31-Dec-2012 08:49:51
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-68962/3

Matrix: Water | Lab File ID: 21217003.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/17/2012 10:54

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 68962 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	5.49		0.00020	0.00010	0.00010
208-96-8	Acenaphthylene	5.55		0.00020	0.00010	0.00010
120-12-7	Anthracene	5.67		0.00020	0.00010	0.00010
56-55-3	Benzo[a]anthracene	5.61		0.00020	0.00010	0.00010
50-32-8	Benzo[a]pyrene	5.48		0.00020	0.00010	0.00010
205-99-2	Benzo[b]fluoranthene	5.92		0.00020	0.00010	0.00010
191-24-2	Benzo[g,h,i]perylene	6.10		0.00020	0.00010	0.00010
65-85-0	Benzoic acid	11.4		0.025	0.010	0.010
207-08-9	Benzo[k]fluoranthene	5.57		0.00020	0.00010	0.00010
100-51-6	Benzyl alcohol	5.33		0.0050	0.00080	0.00038
111-91-1	Bis(2-chloroethoxy)methane	5.11		0.0010	0.00080	0.00032
111-44-4	Bis(2-chloroethyl)ether	5.09		0.0010	0.00010	0.00010
108-60-1	bis (2-chloroisopropyl) ether	4.92		0.0010	0.00080	0.00040
117-81-7	Bis(2-ethylhexyl) phthalate	5.45		0.0020	0.00080	0.00080
101-55-3	4-Bromophenyl phenyl ether	5.81		0.0020	0.00080	0.00080
85-68-7	Butyl benzyl phthalate	5.23		0.0010	0.00080	0.00080
86-74-8	Carbazole	5.59		0.0010	0.00080	0.00028
106-47-8	4-Chloroaniline	5.30		0.0020	0.00080	0.00080
59-50-7	4-Chloro-3-methylphenol	5.76		0.0020	0.00080	0.00080
91-58-7	2-Chloronaphthalene	5.38		0.0010	0.00010	0.00010
95-57-8	2-Chlorophenol	5.33		0.0010	0.00080	0.00029
7005-72-3	4-Chlorophenyl phenyl ether	5.66		0.0020	0.00080	0.00030
218-01-9	Chrysene	5.59		0.00020	0.00010	0.00010
53-70-3	Dibenz(a,h)anthracene	5.79		0.00020	0.00010	0.00010
132-64-9	Dibenzofuran	5.31		0.0010	0.00010	0.00010
95-50-1	1,2-Dichlorobenzene	5.28		0.0010	0.00080	0.00029
541-73-1	1,3-Dichlorobenzene	5.35		0.0010	0.00080	0.00080
106-46-7	1,4-Dichlorobenzene	5.46		0.0010	0.00080	0.00034
91-94-1	3,3'-Dichlorobenzidine	5.44		0.0050	0.00080	0.00037
120-83-2	2,4-Dichlorophenol	5.88		0.0020	0.00080	0.00080
84-66-2	Diethyl phthalate	5.77		0.0010	0.00080	0.00060
105-67-9	2,4-Dimethylphenol	5.97		0.0020	0.00080	0.00080
131-11-3	Dimethyl phthalate	5.66		0.0010	0.00080	0.00029
84-74-2	Di-n-butyl phthalate	5.70		0.0010	0.00080	0.00067

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-68962/3

Matrix: Water | Lab File ID: 21217003.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/17/2012 10:54

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 68962 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	5.40		0.0050	0.0024	0.0024
51-28-5	2,4-Dinitrophenol	11.5		0.0050	0.0024	0.0024
121-14-2	2,4-Dinitrotoluene	5.56		0.0050	0.00080	0.00027
606-20-2	2,6-Dinitrotoluene	5.50		0.0050	0.00080	0.00080
117-84-0	Di-n-octyl phthalate	5.47		0.0010	0.00080	0.00080
206-44-0	Fluoranthene	5.83		0.00020	0.00010	0.00010
86-73-7	Fluorene	5.56		0.00020	0.00010	0.00010
118-74-1	Hexachlorobenzene	5.56		0.00020	0.00010	0.00010
87-68-3	Hexachlorobutadiene	6.16		0.0010	0.00080	0.00027
77-47-4	Hexachlorocyclopentadiene	4.61		0.010	0.00080	0.00080
67-72-1	Hexachloroethane	5.28		0.0010	0.00080	0.00080
193-39-5	Indeno[1,2,3-cd]pyrene	5.69		0.00020	0.00010	0.00010
78-59-1	Isophorone	5.51		0.0010	0.00080	0.00027
91-57-6	2-Methylnaphthalene	5.59		0.00020	0.00010	0.00010
95-48-7	2-Methylphenol	5.30		0.0010	0.00080	0.00080
15831-10-4	3 & 4 Methylphenol	5.15		0.0020	0.00080	0.00080
91-20-3	Naphthalene	5.44		0.00020	0.00010	0.00010
88-74-4	2-Nitroaniline	5.53		0.0020	0.00080	0.00080
99-09-2	3-Nitroaniline	5.56		0.0020	0.00080	0.00028
100-01-6	4-Nitroaniline	5.38		0.0020	0.00080	0.00080
98-95-3	Nitrobenzene	5.49		0.0010	0.00010	0.000040
88-75-5	2-Nitrophenol	5.65		0.0020	0.00080	0.00028
100-02-7	4-Nitrophenol	6.43		0.0050	0.0024	0.0024
621-64-7	N-Nitrosodi-n-propylamine	5.32		0.0010	0.00080	0.00080
86-30-6	N-Nitrosodiphenylamine	5.43		0.0010	0.00080	0.00031
87-86-5	Pentachlorophenol	11.8		0.0050	0.0024	0.0024
85-01-8	Phenanthrene	5.40		0.00020	0.00010	0.00010
108-95-2	Phenol	5.21		0.0010	0.00080	0.00060
129-00-0	Pyrene	5.53		0.00020	0.00010	0.00010
120-82-1	1,2,4-Trichlorobenzene	5.62		0.0010	0.00080	0.00028
95-95-4	2,4,5-Trichlorophenol	5.68		0.0050	0.00080	0.00030
88-06-2	2,4,6-Trichlorophenol	5.79		0.0050	0.00080	0.00080

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-68962/3

Matrix: Water | Lab File ID: 21217003.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/17/2012 10:54

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 68962 | Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	112	Q	70-130
367-12-4	2-Fluorophenol (Surr)	105		50-150
4165-60-0	Nitrobenzene-d5 (Surr)	108		50-150
4165-62-2	Phenol-d5 (Surr)	105		50-150
1718-51-0	Terphenyl-d14 (Surr)	107		50-150
118-79-6	2,4,6-Tribromophenol (Surr)	119		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121217-15912.b\21217003.D
Lims ID: mrl qc
Client ID:
Inject. Date: 17-Dec-2012 10:54:30
Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0015912-003
Misc. Info.: mrl qc
Operator: 001710
Instrument ID: A4HP7
Injection Vol: 1.0 ul
ALS Bottle#: 3
Lims Batch ID: 68962
Lims Sample ID: 3
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121217-15912.b\8270_hp7.m
Last Update: 18-Dec-2012 09:22:49
Calib Date: 14-Nov-2012 18:19:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121114-14953.b\21114010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK030

First Level Reviewer: gruberj
Date: 17-Dec-2012 11:18:56

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.794	5.794	0.0	95	187055	4.00	
* 2 Naphthalene-d8	136	6.918	6.918	0.0	100	708260	4.00	
* 3 Acenaphthene-d10	164	8.415	8.415	0.0	91	416627	4.00	
* 4 Phenanthrene-d10	188	9.667	9.672	-0.005	98	721236	4.00	
* 5 Chrysene-d12	240	12.148	12.148	0.0	94	774332	4.00	
* 6 Perylene-d12	264	14.160	14.160	0.0	93	632610	4.00	
$ 7 2-Fluorophenol	112	4.489	4.484	0.005	92	302173	5.23	
$ 8 Phenol-d5	99	5.441	5.441	0.0	94	386226	5.26	
$ 9 Nitrobenzene-d5	82	6.286	6.292	-0.006	90	336860	5.41	
$ 10 2-Fluorobiphenyl (Surr)	172	7.832	7.832	0.0	99	757636	5.61	
$ 11 2,4,6-Tribromophenol	330	9.078	9.078	0.0	93	102500	5.95	
$ 12 Terphenyl-d14	244	11.004	11.004	0.0	99	766462	5.34	
20 2,5-Dichlorophenol	1		0.000					
22 3-Methylcatechol	1		0.000					
21 Octachlorostyrene	1		0.000					
13 Bis(2-hydroxyphenyl)methane	1		0.000					
240 3-isopropylphenol TIC	1		0.000					
234 2-Isopropylphenol TIC	1		0.000					
238 Trimethyl phosphate TIC	1		0.000					
236 4-isopropylphenol TIC	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
243 3-(1,1-Dimethylethyl Phenol) TIC	1		0.000					
19 Bis(4-hydroxyphenyl)methane	1		0.000					
241 Tricresyl phosphate TIC	1		0.000					
17 4-Chlorophenol	1		0.000					
237 Tris(2,3-dibromopropyl)phosphate	1		0.000					
235 2,3,7,8-TCDD TIC	1		0.000					
14 4-Methylcatechol	1		0.000					
23 Octachlorocyclopentene	1		0.000					
242 Triphenyl Phosphate TIC	1		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
15 Catechol	1		0.000					
239 2,3,7,8 TCDF TIC	1		0.000					
24 1,4-Dioxane	88	1.927	1.933	-0.006	96	92707	4.27	
25 N-Nitrosodimethylamine	74	2.403	2.409	-0.006	77	132696	3.79	
26 Pyridine	79	2.451	2.451	0.0	93	285926	4.60	
27 Ethyl methacrylate	69	3.254	3.254	0.0	90	241846	4.68	
232 1-Methyl-2-pyrrilidinone	99	3.200	3.271	-0.071	0	4130	0	
18 Dimethylformamide	73		3.545					
28 3-Chloropropionitrile	54	3.740	3.740	0.0	87	178237	5.17	
30 2-Picoline	93		3.854					
31 N-Nitrosomethylethylamine	88		4.020					
32 Malononitrile	66	4.163	4.163	0.0	99	327215	5.03	
33 Acrylamide	71	4.131	4.168	-0.037	1	56	0	
34 Methyl methanesulfonate	80		4.394					9
29 3-Picoline	93		4.448					9
233 n,n'-Dimethylacetamide	44		4.491					14
35 N-Nitrosodiethylamine	102		4.828					
36 Ethyl methanesulfonate	79		5.138					9
42 Phenylmercaptan	110		5.323					
37 2-Methylcyclohexanone	68	5.366	5.346	0.020	1	61	0	
38 3-Methylcyclohexanone	69	5.393	5.384	0.009	1	62	0	
40 Benzaldehyde	77	5.388	5.388	0.0	90	255213	5.23	
39 4-Methylcyclohexanone	55	5.452	5.437	0.015	30	34917	0	
41 Phenol	94	5.452	5.452	0.0	96	407572	5.21	
43 Aniline	93	5.484	5.484	0.0	87	486046	4.97	
44 Bis(2-chloroethyl)ether	93	5.543	5.543	0.0	95	307572	5.09	
46 2-Chlorophenol	128	5.596	5.596	0.0	95	337264	5.33	
45 Pentachloroethane	167		5.608					
47 1,3-Dichlorobenzene	146	5.741	5.741	0.0	96	364596	5.35	
48 1,4-Dichlorobenzene	146	5.810	5.810	0.0	93	369697	5.46	
49 Benzyl alcohol	108	5.912	5.912	0.0	90	207698	5.33	
53 Indene	115		5.922					
50 1,2-Dichlorobenzene	146	5.944	5.944	0.0	85	340664	5.28	
51 2-Methylphenol	108	6.008	6.008	0.0	97	302277	5.30	
52 2,2'-oxybis[1-chloropropane]	45	6.035	6.035	0.0	89	436619	4.92	
191 3 & 4 Methylphenol	108	6.142	6.142	0.0	96	307773	5.15	
56 N-Nitrosodi-n-propylamine	70	6.147	6.147	0.0	90	225531	5.32	
57 Acetophenone	105	6.153	6.153	0.0	94	455784	5.39	
55 N-Nitrosopyrrolidine	100		6.202					
58 N-Nitrosomorpholine	56		6.240					9
60 Hexachloroethane	117	6.249	6.249	0.0	91	145393	5.28	
59 2-Toluidine	106		6.256					
61 Nitrobenzene	77	6.308	6.308	0.0	85	353079	5.49	
63 Isophorone	82	6.511	6.511	0.0	99	622357	5.51	
62 N-Nitrosopiperidine	114		6.512					
65 2-Nitrophenol	139	6.586	6.586	0.0	95	171223	5.65	
66 1,3,5-Trichlorobenzene	180	6.591	6.591	0.0	93	307375	5.47	
64 2,4-Dimethylphenol	107	6.607	6.607	0.0	97	355194	5.97	
69 Benzoic acid	122	6.666	6.682	-0.016	86	420980	11.4	
68 Bis(2-chloroethoxy)methane	93	6.693	6.693	0.0	95	366785	5.11	
67 o,o',o''-Triethylphosphorothioat	198		6.732					
71 2,4-Dichlorophenol	162	6.789	6.789	0.0	95	276627	5.88	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
70 alpha,alpha-Dimethyl phenethylam	58		6.865					9
72 1,2,4-Trichlorobenzene	180	6.864	6.869	-0.005	93	315309	5.62	
73 Naphthalene	128	6.939	6.939	0.0	96	962893	5.44	
74 4-Chloroaniline	127	6.976	6.976	0.0	83	399459	5.30	
77 Hexachlorobutadiene	225	7.035	7.035	0.0	94	187283	6.16	
79 Benzothiazole	135		7.056					9
75 2,6-Dichlorophenol	162		7.058					9
78 1,2,3-Trichlorobenzene	180	7.062	7.062	0.0	91	285509	0	
76 Hexachloropropene	213		7.085					9
80 Quinoline	129		7.120					9
83 Caprolactam	113	7.260	7.265	-0.005	75	102983	5.69	
81 N-Nitrosodi-n-butylamine	84		7.320					9
82 p-Phenylene diamine	108		7.347					9
84 4-Chloro-3-methylphenol	107	7.377	7.377	0.0	93	291290	5.76	
93 Safrole, Total	162		7.513					
85 2-Methylnaphthalene	142	7.527	7.527	0.0	91	633184	5.59	
86 1-Methylnaphthalene	142	7.613	7.613	0.0	90	590792	5.48	
88 Hexachlorocyclopentadiene	237	7.656	7.656	0.0	70	155572	4.61	
87 1,2,3,5-Tetrachlorobenzene	216	7.656	7.656	0.0	95	305702	5.40	
89 1,2,4,5-Tetrachlorobenzene	216		7.743					
225 Isosafrole Peak 1	162		7.759					
90 2,4,6-Trichlorophenol	196	7.763	7.763	0.0	92	203302	5.79	
91 2,4,5-Trichlorophenol	196	7.795	7.795	0.0	95	214768	5.68	
97 3,4-Dichloronitrobenzene	109		7.848					
94 2,4-Toluene diamine	121	7.902	7.902	0.0	96	218276	6.05	
99 Phenyl ether	170		7.907					9
96 1,2,3,4 -Tetrachlorobenzene	216	7.912	7.912	0.0	93	297103	0	
95 1,1'-Biphenyl	154	7.918	7.918	0.0	93	827102	5.62	
98 2-Chloronaphthalene	162	7.944	7.944	0.0	97	618925	5.38	
227 Isosafrole Peak 2	162		7.951					
100 2-Nitroaniline	65	8.019	8.019	0.0	79	186865	5.53	
103 Dimethyl phthalate	163	8.158	8.164	-0.006	98	692468	5.66	
101 1,4-Naphthoquinone	158		8.165					
102 1,4-Dinitrobenzene	168		8.208					
105 2,6-Dinitrotoluene	165	8.223	8.223	0.0	95	149339	5.50	
106 1,2-Dinitrobenzene	168	8.271	8.271	0.0	91	81325	5.99	
104 1,3-Dinitrobenzene	168		8.272					
107 Acenaphthylene	152	8.297	8.297	0.0	91	1055100	5.55	
108 3-Nitroaniline	138	8.367	8.367	0.0	92	170412	5.56	
110 Acenaphthene	153	8.442	8.442	0.0	91	627516	5.49	
109 2,4-Dinitrophenol	184	8.453	8.453	0.0	82	202616	11.5	
111 4-Nitrophenol	109	8.485	8.490	-0.005	96	113491	6.43	
112 2,4-Dinitrotoluene	165	8.560	8.560	0.0	84	203185	5.56	
114 Dibenzofuran	168	8.586	8.586	0.0	87	901486	5.31	
113 Pentachlorobenzene	250		8.625					9
115 2,3,5,6-Tetrachlorophenol	232	8.645	8.645	0.0	93	185195	5.94	
116 1-Naphthylamine	143		8.727					9
119 Diethyl phthalate	149	8.747	8.752	-0.005	97	738423	5.77	
117 2,3,4,6-Tetrachlorophenol	232		8.759					
118 2-Naphthylamine	143		8.791					9
121 4-Chlorophenyl phenyl ether	204	8.864	8.864	0.0	91	364782	5.66	
124 Fluorene	166	8.875	8.875	0.0	89	757917	5.56	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
123 4-Nitroaniline	138	8.880	8.880	0.0	71	176738	5.38	
120 Thionazin	97		8.892					9
126 4,6-Dinitro-2-methylphenol	198	8.902	8.907	-0.005	82	119375	5.40	
122 N-Nitro-o-toluidine	152		8.951					
130 N-Nitrosodiphenylamine	169	8.961	8.961	0.0	0	539880	5.43	
125 Tributyl phosphate	99		8.983					9
131 Azobenzene	77	8.998	8.998	0.0	99	745481	5.31	
129 1,2-Diphenylhydrazine	77	8.998	8.998	0.0	0	745701	5.31	
128 Diphenylamine	169		9.032					
132 Sulfotepp	202		9.139					
133 1,3,5-Trinitrobenzene	213		9.245					
228 Diallate Peak 1	86		9.267					24
137 4-Bromophenyl phenyl ether	248	9.276	9.276	0.0	64	213690	5.81	
136 Phorate	121		9.278					9
135 Phenacetin	108		9.278					9
139 Hexachlorobenzene	284	9.340	9.340	0.0	89	210603	5.56	
230 Diallate Peak 2	86		9.342					19
140 Atrazine	200	9.394	9.394	0.0	92	183091	6.76	
138 Dimethoate	87		9.422					9
141 Pentachlorophenol	266	9.501	9.501	0.0	90	295540	11.8	
127 4-Aminobiphenyl	169		9.572					9
143 Pentachloronitrobenzene	237		9.582					9
142 Pronamide	173		9.599					
146 Phenanthrene	178	9.688	9.688	0.0	97	1064958	5.40	
144 Disulfoton	88		9.711					9
145 Dinoseb	211		9.711					
147 Anthracene	178	9.731	9.731	0.0	97	1109744	5.67	
148 DFTPP								
149 Carbazole	167	9.859	9.859	0.0	82	1062984	5.59	
152 Diphenylsulfone	125		10.025					
150 Methyl parathion	109		10.032					
151 Di-n-butyl phthalate	149	10.116	10.116	0.0	100	1216700	5.70	
153 Ethyl Parathion	97		10.353					9
154 4-Nitroquinoline-1-oxide	190		10.411					
155 Methapyrilene	58		10.449					
156 Isodrin	66		10.641					
157 Fluoranthene	202	10.694	10.694	0.0	96	1269210	5.83	
158 Benzidine	184	10.785	10.785	0.0	99	694569	5.54	
160 Pyrene	202	10.892	10.892	0.0	99	1366678	5.53	
164 4,4'-DDE	246		10.950					9
226 Aramite Peak 1	185		11.043					
229 Aramite Peak 2	185		11.112					
161 p-Dimethylamino azobenzene	225		11.219					
162 Chlorobenzilate	139		11.251					
163 4,4'-DDD	235		11.303					
166 Butyl benzyl phthalate	149	11.464	11.464	0.0	98	517488	5.23	
165 Famphur	218		11.503					
167 3,3'-Dimethylbenzidine	212		11.561					9
168 4,4'-DDT	235		11.581					9
169 2-Acetylaminofluorene	181		11.845					
174 Hexabromobenzene	232		12.020					
170 3,3'-Dimethoxybenzidine	244	12.047	12.047	0.0	93	261846	5.38	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
172 4,4'-Methylene bis(2-chloroanili	231	12.090	12.090	0.0	69	219780	5.72	
173 3,3'-Dichlorobenzidine	252	12.090	12.090	0.0	66	459276	5.44	
171 Bis(2-ethylhexyl) phthalate	149	12.106	12.106	0.0	96	761775	5.45	
175 Benzo[a]anthracene	228	12.138	12.138	0.0	97	1212264	5.61	
176 Chrysene	228	12.181	12.186	-0.005	94	1151392	5.59	
177 6-Methylchrysene	242		12.597					
178 Di-n-octyl phthalate	149	12.978	12.978	0.0	99	1193634	5.47	
180 Benzo[b]fluoranthene	252	13.593	13.593	0.0	94	1194395	5.92	
181 Benzo[k]fluoranthene	252	13.630	13.635	-0.005	99	1220584	5.57	
179 7,12-Dimethylbenz(a)anthracene	256		13.712					
182 Benzo[a]pyrene	252	14.079	14.079	0.0	76	1116872	5.48	
183 3-Methylcholanthrene	268		14.755					9
184 Dibenz[a,j]acridine	279		15.208					
185 Dibenz[a,h]acridine	279		15.277					
186 Indeno[1,2,3-cd]pyrene	276	15.775	15.780	-0.005	98	1281111	5.69	
187 Dibenz(a,h)anthracene	278	15.802	15.802	0.0	68	1112044	5.79	
188 Benzo[g,h,i]perylene	276	16.192	16.197	-0.005	94	1104101	6.10	
S 189 Methyl Phenols,Total	100				0		5.30	
S 92 Isosafrole	162		5.138					7
S 134 Diallate	86		6.337					7
S 159 Aramite, Total	185		7.806					7
T 195 Hexamethylphosphoramide TIC	1		0.000					1
T 193 Hydroquinone TIC	110	7.233	0.0	7.233	90	56537	0	
T 231 2,3,7,8-TCDD	1		0.000					1
T 192 Decane TIC	142	3.040	3.050	-0.010	1	56	0	
T 194 Octadecane (TIC)	254		6.300					1
T 196 Kepone TIC	1		8.281					1
T 197 Hexachlorophene TIC	1		9.269					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
2 - Failed Coelution Test
4 - Failed Signal Ratio Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

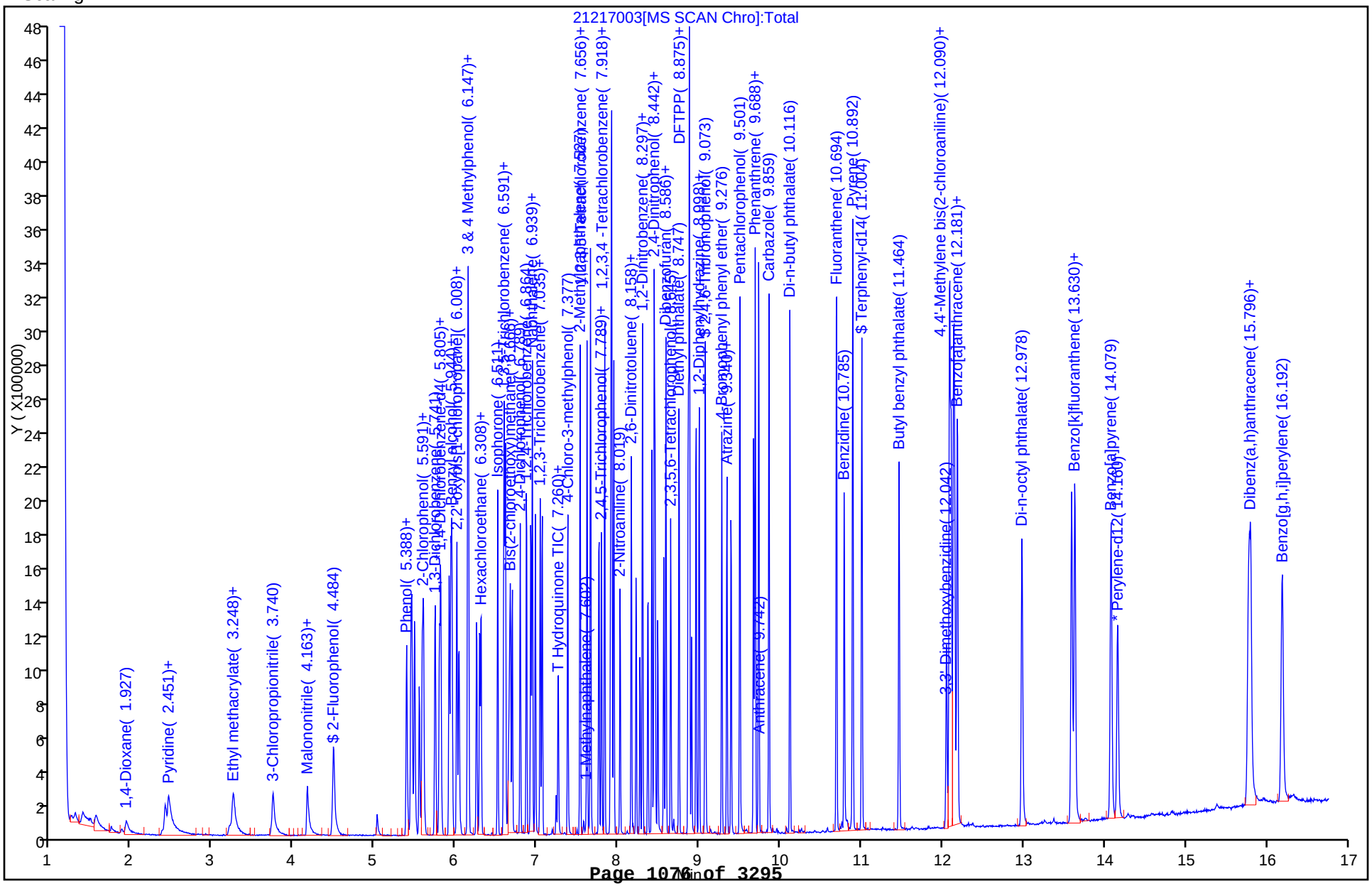
Report Date: 18-Dec-2012 09:22:51 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121217-15912.b\21217003.D

Injection Date:	17-Dec-2012 10:54:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	68962	Lims Sample ID:	3
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-68962/10

Matrix: Water | Lab File ID: 21217010.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/17/2012 13:15

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 68962 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	5.58		0.00020	0.00010	0.00010
208-96-8	Acenaphthylene	5.61		0.00020	0.00010	0.00010
120-12-7	Anthracene	5.64		0.00020	0.00010	0.00010
56-55-3	Benzo[a]anthracene	5.74		0.00020	0.00010	0.00010
50-32-8	Benzo[a]pyrene	5.39		0.00020	0.00010	0.00010
205-99-2	Benzo[b]fluoranthene	5.39		0.00020	0.00010	0.00010
191-24-2	Benzo[g,h,i]perylene	5.84		0.00020	0.00010	0.00010
65-85-0	Benzoic acid	10.6		0.025	0.010	0.010
207-08-9	Benzo[k]fluoranthene	5.91		0.00020	0.00010	0.00010
100-51-6	Benzyl alcohol	5.35		0.0050	0.00080	0.00038
111-91-1	Bis(2-chloroethoxy)methane	5.02		0.0010	0.00080	0.00032
111-44-4	Bis(2-chloroethyl)ether	5.13		0.0010	0.00010	0.00010
108-60-1	bis (2-chloroisopropyl) ether	4.83		0.0010	0.00080	0.00040
117-81-7	Bis(2-ethylhexyl) phthalate	5.61		0.0020	0.00080	0.00080
101-55-3	4-Bromophenyl phenyl ether	5.73		0.0020	0.00080	0.00080
85-68-7	Butyl benzyl phthalate	5.45		0.0010	0.00080	0.00080
86-74-8	Carbazole	5.45		0.0010	0.00080	0.00028
106-47-8	4-Chloroaniline	5.40		0.0020	0.00080	0.00080
59-50-7	4-Chloro-3-methylphenol	5.82		0.0020	0.00080	0.00080
91-58-7	2-Chloronaphthalene	5.39		0.0010	0.00010	0.00010
95-57-8	2-Chlorophenol	5.44		0.0010	0.00080	0.00029
7005-72-3	4-Chlorophenyl phenyl ether	5.81		0.0020	0.00080	0.00030
218-01-9	Chrysene	5.73		0.00020	0.00010	0.00010
53-70-3	Dibenz(a,h)anthracene	5.38		0.00020	0.00010	0.00010
132-64-9	Dibenzofuran	5.61		0.0010	0.00010	0.00010
95-50-1	1,2-Dichlorobenzene	5.38		0.0010	0.00080	0.00029
541-73-1	1,3-Dichlorobenzene	5.25		0.0010	0.00080	0.00080
106-46-7	1,4-Dichlorobenzene	5.38		0.0010	0.00080	0.00034
91-94-1	3,3'-Dichlorobenzidine	5.58		0.0050	0.00080	0.00037
120-83-2	2,4-Dichlorophenol	5.90		0.0020	0.00080	0.00080
84-66-2	Diethyl phthalate	5.83		0.0010	0.00080	0.00060
105-67-9	2,4-Dimethylphenol	5.71		0.0020	0.00080	0.00080
131-11-3	Dimethyl phthalate	5.85		0.0010	0.00080	0.00029
84-74-2	Di-n-butyl phthalate	5.61		0.0010	0.00080	0.00067

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-68962/10

Matrix: Water | Lab File ID: 21217010.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/17/2012 13:15

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 68962 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	5.40		0.0050	0.0024	0.0024
51-28-5	2,4-Dinitrophenol	11.6		0.0050	0.0024	0.0024
121-14-2	2,4-Dinitrotoluene	5.75		0.0050	0.00080	0.00027
606-20-2	2,6-Dinitrotoluene	5.61		0.0050	0.00080	0.00080
117-84-0	Di-n-octyl phthalate	5.24		0.0010	0.00080	0.00080
206-44-0	Fluoranthene	5.74		0.00020	0.00010	0.00010
86-73-7	Fluorene	5.75		0.00020	0.00010	0.00010
118-74-1	Hexachlorobenzene	5.55		0.00020	0.00010	0.00010
87-68-3	Hexachlorobutadiene	6.00		0.0010	0.00080	0.00027
77-47-4	Hexachlorocyclopentadiene	4.58		0.010	0.00080	0.00080
67-72-1	Hexachloroethane	5.14		0.0010	0.00080	0.00080
193-39-5	Indeno[1,2,3-cd]pyrene	5.51		0.00020	0.00010	0.00010
78-59-1	Isophorone	5.49		0.0010	0.00080	0.00027
91-57-6	2-Methylnaphthalene	5.63		0.00020	0.00010	0.00010
95-48-7	2-Methylphenol	5.32		0.0010	0.00080	0.00080
15831-10-4	3 & 4 Methylphenol	5.23		0.0020	0.00080	0.00080
91-20-3	Naphthalene	5.51		0.00020	0.00010	0.00010
88-74-4	2-Nitroaniline	5.78		0.0020	0.00080	0.00080
99-09-2	3-Nitroaniline	5.83		0.0020	0.00080	0.00028
100-01-6	4-Nitroaniline	5.43		0.0020	0.00080	0.00080
98-95-3	Nitrobenzene	5.46		0.0010	0.00010	0.000040
88-75-5	2-Nitrophenol	5.55		0.0020	0.00080	0.00028
100-02-7	4-Nitrophenol	6.65	^	0.0050	0.0024	0.0024
621-64-7	N-Nitrosodi-n-propylamine	5.26		0.0010	0.00080	0.00080
86-30-6	N-Nitrosodiphenylamine	5.36		0.0010	0.00080	0.00031
87-86-5	Pentachlorophenol	11.6		0.0050	0.0024	0.0024
85-01-8	Phenanthrene	5.46		0.00020	0.00010	0.00010
108-95-2	Phenol	5.29		0.0010	0.00080	0.00060
129-00-0	Pyrene	5.48		0.00020	0.00010	0.00010
120-82-1	1,2,4-Trichlorobenzene	5.64		0.0010	0.00080	0.00028
95-95-4	2,4,5-Trichlorophenol	5.98		0.0050	0.00080	0.00030
88-06-2	2,4,6-Trichlorophenol	5.96		0.0050	0.00080	0.00080

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-68962/10

Matrix: Water | Lab File ID: 21217010.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/17/2012 13:15

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 68962 | Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	110		70-130
367-12-4	2-Fluorophenol (Surr)	102		50-150
4165-60-0	Nitrobenzene-d5 (Surr)	109		50-150
4165-62-2	Phenol-d5 (Surr)	105		50-150
1718-51-0	Terphenyl-d14 (Surr)	110		50-150
118-79-6	2,4,6-Tribromophenol (Surr)	127	Q	50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121217-15912.b\21217010.D
Lims ID: mrl qccl
Client ID:
Inject. Date: 17-Dec-2012 13:15:30
Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0015912-010
Misc. Info.: mrl qccl
Operator: 001710
Instrument ID: A4HP7
Injection Vol: 1.0 ul
ALS Bottle#: 10
Lims Batch ID: 68962
Lims Sample ID: 10
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121217-15912.b\8270_hp7.m
Last Update: 18-Dec-2012 13:35:21
Calib Date: 14-Nov-2012 18:19:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121114-14953.b\21114010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK030

First Level Reviewer: gruberj
Date: 18-Dec-2012 13:35:14

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.794	5.794	0.0	95	203289	4.00	
* 2 Naphthalene-d8	136	6.918	6.918	0.0	100	769180	4.00	
* 3 Acenaphthene-d10	164	8.415	8.415	0.0	91	451301	4.00	
* 4 Phenanthrene-d10	188	9.667	9.672	-0.005	97	814919	4.00	
* 5 Chrysene-d12	240	12.148	12.148	0.0	98	839334	4.00	
* 6 Perylene-d12	264	14.160	14.160	0.0	94	725533	4.00	
$ 7 2-Fluorophenol	112	4.484	4.484	0.0	94	319302	5.08	
$ 8 Phenol-d5	99	5.441	5.441	0.0	89	420760	5.27	
$ 9 Nitrobenzene-d5	82	6.286	6.292	-0.006	92	369549	5.46	
$ 10 2-Fluorobiphenyl (Surr)	172	7.832	7.832	0.0	99	806724	5.51	
$ 11 2,4,6-Tribromophenol	330	9.078	9.078	0.0	94	118443	6.34	
$ 12 Terphenyl-d14	244	11.004	11.004	0.0	98	855768	5.51	
22 3-Methylcatechol	1		0.000					
20 2,5-Dichlorophenol	1		0.000					
13 Bis(2-hydroxyphenyl)methane	1		0.000					
21 Octachlorostyrene	1		0.000					
240 3-isopropylphenol TIC	1		0.000					
234 2-Isopropylphenol TIC	1		0.000					
238 Trimethyl phosphate TIC	1		0.000					
236 4-isopropylphenol TIC	1		0.000					
243 3-(1,1-Dimethylethyl Phenol) TIC	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
241 Tricresyl phosphate TIC	1		0.000					
19 Bis(4-hydroxyphenyl)methane	1		0.000					
17 4-Chlorophenol	1		0.000					
237 Tris(2,3-dibromopropyl)phosphate	1		0.000					
235 2,3,7,8-TCDD TIC	1		0.000					
14 4-Methylcatechol	1		0.000					
242 Triphenyl Phosphate TIC	1		0.000					
23 Octachlorocyclopentene	1		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
239 2,3,7,8 TCDF TIC	1		0.000					
15 Catechol	1		0.000					
24 1,4-Dioxane	88	1.922	1.933	-0.011	97	106082	4.50	
25 N-Nitrosodimethylamine	74	2.403	2.409	-0.006	83	174831	4.51	
26 Pyridine	79	2.446	2.451	-0.005	86	303615	4.49	
27 Ethyl methacrylate	69	3.243	3.254	-0.011	90	276493	4.92	
232 1-Methyl-2-pyrrilidinone	99	3.243	3.271	-0.028	0	24229	0	
18 Dimethylformamide	73		3.545					
28 3-Chloropropionitrile	54	3.740	3.740	0.0	87	196676	5.25	
30 2-Picoline	93		3.854					
31 N-Nitrosomethylethylamine	88		4.020					
32 Malononitrile	66	4.163	4.163	0.0	99	361441	5.11	
33 Acrylamide	71		4.168					
34 Methyl methanesulfonate	80		4.394					9
29 3-Picoline	93		4.448					
233 n,n'-Dimethylacetamide	44		4.491					1
35 N-Nitrosodiethylamine	102		4.828					
36 Ethyl methanesulfonate	79		5.138					
42 Phenylmercaptan	110		5.323					
37 2-Methylcyclohexanone	68	5.441	5.346	0.095	27	15991	0	
38 3-Methylcyclohexanone	69	5.388	5.384	0.004	1	94	0	
40 Benzaldehyde	77	5.388	5.388	0.0	93	277207	5.23	
39 4-Methylcyclohexanone	55	5.452	5.437	0.015	30	39930	0	
41 Phenol	94	5.452	5.452	0.0	97	449647	5.29	
43 Aniline	93	5.484	5.484	0.0	87	518782	4.88	
44 Bis(2-chloroethyl)ether	93	5.543	5.543	0.0	95	336988	5.13	
46 2-Chlorophenol	128	5.596	5.596	0.0	95	374128	5.44	
45 Pentachloroethane	167		5.608					
47 1,3-Dichlorobenzene	146	5.741	5.741	0.0	96	388955	5.25	
48 1,4-Dichlorobenzene	146	5.810	5.810	0.0	92	395898	5.38	
49 Benzyl alcohol	108	5.912	5.912	0.0	90	226378	5.35	
53 Indene	115		5.922					9
50 1,2-Dichlorobenzene	146	5.944	5.944	0.0	87	377736	5.38	
51 2-Methylphenol	108	6.008	6.008	0.0	97	330062	5.32	
52 2,2'-oxybis[1-chloropropane]	45	6.035	6.035	0.0	89	465616	4.83	
191 3 & 4 Methylphenol	108	6.142	6.142	0.0	96	340259	5.23	
56 N-Nitrosodi-n-propylamine	70	6.147	6.147	0.0	91	242376	5.26	
57 Acetophenone	105	6.153	6.153	0.0	95	497327	5.41	
55 N-Nitrosopyrrolidine	100		6.202					
58 N-Nitrosomorpholine	56		6.240					9
60 Hexachloroethane	117	6.249	6.249	0.0	91	153779	5.14	
59 2-Toluidine	106		6.256					
61 Nitrobenzene	77	6.308	6.308	0.0	84	381653	5.46	
63 Isophorone	82	6.511	6.511	0.0	98	673598	5.49	
62 N-Nitrosopiperidine	114		6.512					
65 2-Nitrophenol	139	6.586	6.586	0.0	95	182558	5.55	
66 1,3,5-Trichlorobenzene	180	6.591	6.591	0.0	93	350509	5.75	
64 2,4-Dimethylphenol	107	6.607	6.607	0.0	95	368951	5.71	
69 Benzoic acid	122	6.671	6.682	-0.011	84	420730	10.6	
68 Bis(2-chloroethoxy)methane	93	6.693	6.693	0.0	93	391169	5.02	
67 o,o',o''-Triethylphosphorothioat	198		6.732					
71 2,4-Dichlorophenol	162	6.789	6.789	0.0	96	301333	5.90	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
70 alpha,alpha-Dimethyl phenethylam	58		6.865					9
72 1,2,4-Trichlorobenzene	180	6.864	6.869	-0.005	93	343748	5.64	
73 Naphthalene	128	6.939	6.939	0.0	95	1058360	5.51	
74 4-Chloroaniline	127	6.976	6.976	0.0	83	442779	5.40	
77 Hexachlorobutadiene	225	7.035	7.035	0.0	94	198147	6.00	
79 Benzothiazole	135		7.056					9
75 2,6-Dichlorophenol	162		7.058					9
78 1,2,3-Trichlorobenzene	180	7.062	7.062	0.0	90	319633	0	
76 Hexachloropropene	213		7.085					
80 Quinoline	129		7.120					9
83 Caprolactam	113	7.260	7.265	-0.005	76	113881	5.79	
81 N-Nitrosodi-n-butylamine	84		7.320					9
82 p-Phenylene diamine	108		7.347					9
84 4-Chloro-3-methylphenol	107	7.377	7.377	0.0	93	319622	5.82	
93 Safrole, Total	162		7.513					
85 2-Methylnaphthalene	142	7.527	7.527	0.0	89	692637	5.63	
86 1-Methylnaphthalene	142	7.613	7.613	0.0	90	651354	5.57	
88 Hexachlorocyclopentadiene	237	7.656	7.656	0.0	69	167449	4.58	
87 1,2,3,5-Tetrachlorobenzene	216	7.656	7.656	0.0	95	355080	5.79	
89 1,2,4,5-Tetrachlorobenzene	216		7.743					
225 Isosafrole Peak 1	162		7.759					
90 2,4,6-Trichlorophenol	196	7.763	7.763	0.0	92	226606	5.96	
91 2,4,5-Trichlorophenol	196	7.795	7.795	0.0	95	245171	5.98	
97 3,4-Dichloronitrobenzene	109		7.848					
94 2,4-Toluene diamine	121	7.902	7.902	0.0	96	231053	5.90	
99 Phenyl ether	170		7.907					9
96 1,2,3,4 -Tetrachlorobenzene	216	7.912	7.912	0.0	95	341248	0	
95 1,1'-Biphenyl	154	7.918	7.918	0.0	94	901974	5.66	
98 2-Chloronaphthalene	162	7.944	7.944	0.0	97	671419	5.39	
227 Isosafrole Peak 2	162		7.951					
100 2-Nitroaniline	65	8.019	8.019	0.0	80	211605	5.78	
103 Dimethyl phthalate	163	8.158	8.164	-0.006	98	775377	5.85	
101 1,4-Naphthoquinone	158		8.165					
102 1,4-Dinitrobenzene	168		8.208					
105 2,6-Dinitrotoluene	165	8.217	8.223	-0.006	92	165219	5.61	
106 1,2-Dinitrobenzene	168	8.265	8.271	-0.006	90	89880	6.11	
104 1,3-Dinitrobenzene	168		8.272					
107 Acenaphthylene	152	8.297	8.297	0.0	91	1155506	5.61	
108 3-Nitroaniline	138	8.367	8.367	0.0	94	193450	5.83	
110 Acenaphthene	153	8.442	8.442	0.0	92	690300	5.58	
109 2,4-Dinitrophenol	184	8.453	8.453	0.0	82	221686	11.6	
111 4-Nitrophenol	109	8.485	8.490	-0.005	96	127018	6.65	
112 2,4-Dinitrotoluene	165	8.560	8.560	0.0	86	228336	5.75	
114 Dibenzofuran	168	8.586	8.586	0.0	87	1031637	5.61	
113 Pentachlorobenzene	250		8.625					9
115 2,3,5,6-Tetrachlorophenol	232	8.645	8.645	0.0	91	201790	5.97	
116 1-Naphthylamine	143		8.727					9
119 Diethyl phthalate	149	8.747	8.752	-0.005	97	807918	5.83	
117 2,3,4,6-Tetrachlorophenol	232		8.759					
118 2-Naphthylamine	143		8.791					9
121 4-Chlorophenyl phenyl ether	204	8.864	8.864	0.0	91	405811	5.81	
124 Fluorene	166	8.875	8.875	0.0	85	847975	5.75	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
123 4-Nitroaniline	138	8.880	8.880	0.0	72	193268	5.43	
120 Thionazin	97		8.892					9
126 4,6-Dinitro-2-methylphenol	198	8.902	8.907	-0.005	83	134983	5.40	
122 N-Nitro-o-toluidine	152		8.951					9
130 N-Nitrosodiphenylamine	169	8.961	8.961	0.0	0	602301	5.36	
125 Tributyl phosphate	99		8.983					
131 Azobenzene	77	8.998	8.998	0.0	99	810534	5.11	
129 1,2-Diphenylhydrazine	77	8.998	8.998	0.0	0	810807	5.11	
128 Diphenylamine	169	8.961	9.032	-0.071	90	602301	4.89	
132 Sulfotepp	202		9.139					
133 1,3,5-Trinitrobenzene	213		9.245					
228 Diallate Peak 1	86		9.267					
137 4-Bromophenyl phenyl ether	248	9.276	9.276	0.0	64	237965	5.73	
136 Phorate	121		9.278					9
135 Phenacetin	108		9.278					9
139 Hexachlorobenzene	284	9.340	9.340	0.0	92	237417	5.55	
230 Diallate Peak 2	86		9.342					
140 Atrazine	200	9.389	9.394	-0.005	92	198616	6.49	
138 Dimethoate	87		9.422					9
141 Pentachlorophenol	266	9.501	9.501	0.0	86	328004	11.6	
127 4-Aminobiphenyl	169		9.572					9
143 Pentachloronitrobenzene	237		9.582					9
142 Pronamide	173		9.599					9
146 Phenanthrene	178	9.688	9.688	0.0	95	1215892	5.46	
144 Disulfoton	88		9.711					
145 Dinoseb	211		9.711					
147 Anthracene	178	9.731	9.731	0.0	97	1248544	5.64	
148 DFTPP								
149 Carbazole	167	9.859	9.859	0.0	82	1170292	5.45	
152 Diphenylsulfone	125		10.025					
150 Methyl parathion	109		10.032					
151 Di-n-butyl phthalate	149	10.116	10.116	0.0	100	1354448	5.61	
153 Ethyl Parathion	97		10.353					9
154 4-Nitroquinoline-1-oxide	190		10.411					
155 Methapyrilene	58		10.449					9
156 Isodrin	66		10.641					9
157 Fluoranthene	202	10.694	10.694	0.0	96	1410906	5.74	
158 Benzidine	184	10.785	10.785	0.0	99	730005	5.39	
160 Pyrene	202	10.892	10.892	0.0	97	1467714	5.48	
164 4,4'-DDE	246		10.950					9
226 Aramite Peak 1	185		11.043					
229 Aramite Peak 2	185		11.112					
161 p-Dimethylamino azobenzene	225		11.219					
162 Chlorobenzilate	139		11.251					9
163 4,4'-DDD	235		11.303					9
166 Butyl benzyl phthalate	149	11.464	11.464	0.0	97	585130	5.45	
165 Famphur	218		11.503					
167 3,3'-Dimethylbenzidine	212		11.561					9
168 4,4'-DDT	235		11.581					9
169 2-Acetylaminofluorene	181		11.845					
174 Hexabromobenzene	232		12.020					
170 3,3'-Dimethoxybenzidine	244	12.047	12.047	0.0	92	292919	5.53	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
172 4,4'-Methylene bis(2-chloroanili	231	12.084	12.090	-0.006	71	244643	5.87	
173 3,3'-Dichlorobenzidine	252	12.084	12.090	-0.006	70	510626	5.58	
171 Bis(2-ethylhexyl) phthalate	149	12.106	12.106	0.0	95	850825	5.61	
175 Benzo[a]anthracene	228	12.138	12.138	0.0	97	1343771	5.74	
176 Chrysene	228	12.181	12.186	-0.005	93	1279662	5.73	
177 6-Methylchrysene	242		12.597					
178 Di-n-octyl phthalate	149	12.978	12.978	0.0	99	1307690	5.24	
180 Benzo[b]fluoranthene	252	13.593	13.593	0.0	93	1247649	5.39	
181 Benzo[k]fluoranthene	252	13.630	13.635	-0.005	95	1486242	5.91	
179 7,12-Dimethylbenz(a)anthracene	256		13.712					
182 Benzo[a]pyrene	252	14.079	14.079	0.0	74	1259207	5.39	
183 3-Methylcholanthrene	268		14.755					9
184 Dibenz[a,j]acridine	279		15.208					
185 Dibenz[a,h]acridine	279		15.277					
186 Indeno[1,2,3-cd]pyrene	276	15.775	15.780	-0.005	94	1420582	5.51	
187 Dibenz(a,h)anthracene	278	15.796	15.802	-0.006	79	1181111	5.38	
188 Benzo[g,h,i]perylene	276	16.192	16.197	-0.005	94	1213986	5.84	
S 189 Methyl Phenols,Total	100				0		5.32	
S 92 Isosafrole	162		5.138					7
S 134 Diallate	86		6.337					7
S 159 Aramite, Total	185		7.806					7
T 195 Hexamethylphosphoramide TIC	1		0.000					1
T 193 Hydroquinone TIC	110	7.233	0.0	7.233	91	56368	0	
T 231 2,3,7,8-TCDD	1		0.000					1
T 192 Decane TIC	142	3.034	3.050	-0.016	1	68	0	
T 194 Octadecane (TIC)	254	15.384	6.300	9.084	80	22717	0	
T 196 Kepone TIC	1		8.281					1
T 197 Hexachlorophene TIC	1		9.269					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

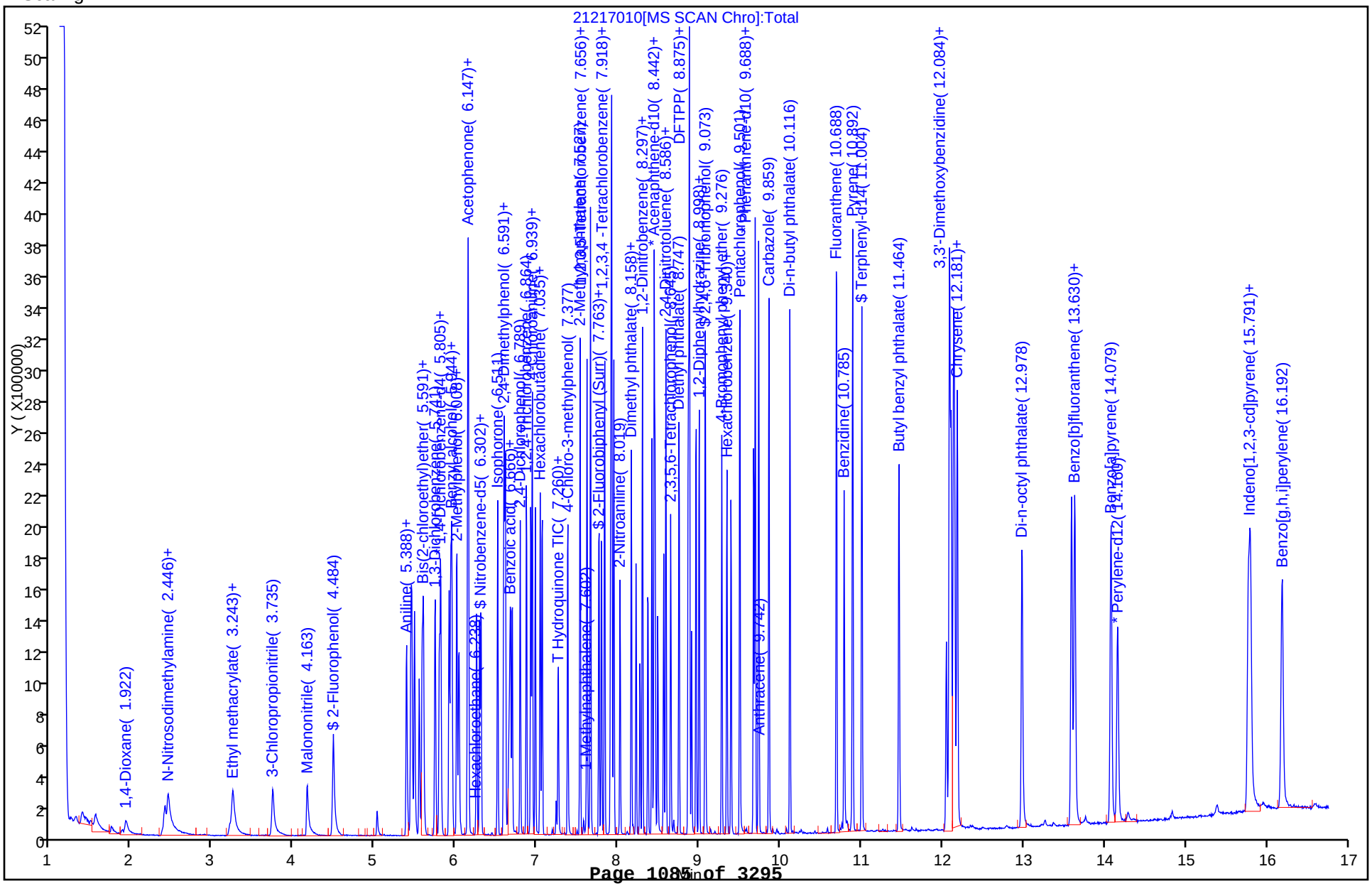
Report Date: 18-Dec-2012 13:35:22 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121217-15912.b\21217010.D

Injection Date:	17-Dec-2012 13:15:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	68962	Lims Sample ID:	10
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-70566/3

Matrix: Solid | Lab File ID: 21229003.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/29/2012 11:50

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70566 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
110-86-1	Pyridine	5.39	M	0.0010	0.00080	0.0020
106-46-7	1,4-Dichlorobenzene	5.14		0.0010	0.00080	0.0026
121-14-2	2,4-Dinitrotoluene	5.52		0.0050	0.00080	0.0031
118-74-1	Hexachlorobenzene	4.91		0.00020	0.00010	0.0029
87-68-3	Hexachlorobutadiene	5.11		0.0010	0.00080	0.0026
67-72-1	Hexachloroethane	5.35		0.0010	0.00080	0.0024
95-48-7	2-Methylphenol	5.29		0.0010	0.00080	0.0029
15831-10-4	3 & 4 Methylphenol	5.14		0.0020	0.00080	0.00080
98-95-3	Nitrobenzene	5.18		0.0010	0.00010	0.0029
87-86-5	Pentachlorophenol	8.72		0.0050	0.0024	0.0033
95-95-4	2,4,5-Trichlorophenol	5.01		0.0050	0.00080	0.0031
88-06-2	2,4,6-Trichlorophenol	5.42		0.0050	0.00080	0.0029

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	95		50-150
367-12-4	2-Fluorophenol (Surr)	103		50-150
4165-60-0	Nitrobenzene-d5 (Surr)	107		50-150
4165-62-2	Phenol-d5 (Surr)	106		50-150
1718-51-0	Terphenyl-d14 (Surr)	100		50-150
118-79-6	2,4,6-Tribromophenol (Surr)	109		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121229-16269.b\21229003.D
Lims ID: mrl qc
Client ID:
Inject. Date: 29-Dec-2012 11:50:30
Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0016269-003
Misc. Info.: MRL QC =MRL QC
Operator: 001574
Instrument ID: A4HP9
Injection Vol: 1.0 ul
ALS Bottle#: 3
Lims Batch ID: 70566
Lims Sample ID: 3
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121229-16269.b\8270 _9.m
Last Update: 31-Dec-2012 10:35:58
Calib Date: 21-Dec-2012 20:45:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221019.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK007

First Level Reviewer: ulmanm
Date: 29-Dec-2012 12:28:01

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.918	5.918	0.0	95	117927	4.00	
* 2 Naphthalene-d8	136	7.035	7.034	0.001	99	458538	4.00	
* 3 Acenaphthene-d10	164	8.525	8.525	0.0	83	274962	4.00	
* 4 Phenanthrene-d10	188	9.786	9.786	0.0	97	459707	4.00	
* 5 Chrysene-d12	240	12.340	12.339	0.001	83	469617	4.00	
* 6 Perylene-d12	264	14.412	14.412	0.0	89	390241	4.00	
$ 7 2-Fluorophenol	112	4.674	4.673	0.001	91	204480	5.17	
$ 8 Phenol-d5	99	5.571	5.571	0.0	0	308821	5.29	
$ 9 Nitrobenzene-d5	82	6.404	6.404	0.0	84	375841	5.36	
$ 10 2-Fluorobiphenyl (Surr)	172	7.943	7.943	0.0	99	523410	4.75	
$ 11 2,4,6-Tribromophenol	330	9.193	9.193	0.0	82	50198	5.43	
$ 12 Terphenyl-d14	244	11.143	11.143	0.0	98	530219	4.99	
22 Bis(2-hydroxyphenyl)methane	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
19 Octachlorostyrene	1		0.000					
20 Dimethylformamide	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
13 Octachlorocyclopentene	1		0.000					
25 1,4-Dioxane	88	2.451	2.456	-0.005	86	111508	5.42	M
35 Acrylamide	71		2.744					
26 N-Nitrosodimethylamine	74	2.927	2.921	0.006	73	183400	5.88	M
27 Pyridine	79	2.975	2.974	0.001	89	299111	5.39	M
42 Phenylmercaptan	110		3.596					
28 Ethyl methacrylate	69	3.637	3.632	0.005	81	257859	5.39	M
232 1-Methyl-2-pyrrilidinone	99		3.880					
29 3-Chloropropionitrile	54	4.011	4.011	0.0	84	150892	5.60	
31 2-Picoline	93		4.068					
52 Indene	115		4.084					
32 N-Nitrosomethylethylamine	88		4.212					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
33 Malononitrile	66	4.374	4.374	0.0	95	366148	5.96	
17 4-Chlorophenol	128		4.500					
34 Methyl methanesulfonate	80		4.532					
30 3-Picoline	93		4.591					9
24 Catechol	110		4.592					
233 n,n'-Dimethylacetamide	44		4.618					
15 3-Methylcatechol	124		4.913					
36 N-Nitrosodiethylamine	102		4.944					
14 4-Methylcatechol	124		5.036					
81 Benzothiazole	135		5.046					
82 Quinoline	129		5.099					
37 Ethyl methanesulfonate	79		5.232					
38 2-Methylcyclohexanone	68		5.441					
39 3-Methylcyclohexanone	69		5.478					
41 Benzaldehyde	77	5.523	5.523	0.0	83	298989	5.82	
40 4-Methylcyclohexanone	55		5.526					
43 Phenol	94	5.582	5.581	0.001	97	343711	5.23	
44 Aniline	93	5.619	5.619	0.0	96	430636	5.27	
69 Bis(2-chloroethyl)ether	93	5.673	5.672	0.001	98	318157	5.11	
45 Pentachloroethane	167		5.697					
96 3,4-Dichloronitrobenzene	109		5.725					
46 2-Chlorophenol	128	5.731	5.731	0.0	90	209940	5.30	
101 Phenyl ether	170		5.773					
47 1,3-Dichlorobenzene	146	5.870	5.870	0.0	90	241613	4.72	
48 1,4-Dichlorobenzene	146	5.934	5.934	0.0	87	213698	5.14	
49 Benzyl alcohol	108	6.031	6.030	0.001	86	156576	5.36	
50 1,2-Dichlorobenzene	146	6.073	6.073	0.0	86	236224	4.76	
51 2-Methylphenol	108	6.121	6.126	-0.005	94	227854	5.29	
53 2,2'-oxybis[1-chloropropane]	45	6.148	6.153	-0.005	93	325880	5.20	
21 3 & 4 Methylphenol	108	6.255	6.255	0.0	92	232036	5.14	
57 N-Nitrosodi-n-propylamine	70	6.260	6.265	-0.005	76	221881	5.45	
58 Acetophenone	105	6.271	6.271	0.0	90	331767	5.03	
56 N-Nitrosopyrrolidine	100		6.274					9
59 N-Nitrosomorpholine	56		6.306					9
60 2-Toluidine	106		6.327					9
61 Hexachloroethane	117	6.372	6.372	0.0	87	116863	5.35	
62 Nitrobenzene	77	6.421	6.420	0.0	79	381157	5.18	
63 N-Nitrosopiperidine	114		6.578					
64 Isophorone	82	6.624	6.623	0.001	96	570322	5.07	
66 2-Nitrophenol	139	6.698	6.698	0.0	93	103006	5.44	
67 1,3,5-Trichlorobenzene	180	6.709	6.709	0.0	89	221758	4.96	
65 2,4-Dimethylphenol	107	6.720	6.719	0.001	70	247038	5.06	
71 Benzoic acid	122	6.773	6.789	-0.016	83	220639	9.11	
68 o,o',o''-Triethylphosphorothioat	198		6.798					
70 Bis(2-chloroethoxy)methane	93	6.800	6.799	0.001	97	388868	5.10	
73 2,4-Dichlorophenol	162	6.907	6.906	0.001	96	152728	5.13	
72 alpha,alpha-Dimethyl phenethylam	58		6.920					
74 1,2,4-Trichlorobenzene	180	6.981	6.981	0.0	87	212420	4.86	
75 Naphthalene	128	7.051	7.051	0.0	96	593013	4.91	
76 4-Chloroaniline	127	7.088	7.088	0.0	81	262907	5.46	
77 2,6-Dichlorophenol	162		7.123					9
79 Hexachlorobutadiene	225	7.147	7.147	0.0	86	124196	5.11	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
78 Hexachloropropene	213		7.155					
80 1,2,3-Trichlorobenzene	180		7.173					
84 Caprolactam	113	7.366	7.371	-0.005	79	73785	5.42	
83 N-Nitrosodi-n-butylamine	84		7.385					
85 p-Phenylene diamine	108		7.407					9
86 4-Chloro-3-methylphenol	107	7.484	7.483	0.001	85	213398	5.31	
94 Safrole, Total	162		7.577					
153 Diphenylsulfone	125		7.616					9
87 2-Methylnaphthalene	142	7.639	7.638	0.0	87	377579	4.74	
88 1-Methylnaphthalene	142	7.724	7.724	0.0	81	367503	4.91	
89 Hexachlorocyclopentadiene	237	7.767	7.766	0.001	70	121359	4.54	
90 1,2,3,5-Tetrachlorobenzene	216	7.767	7.766	0.001	89	215910	4.74	
91 1,2,4,5-Tetrachlorobenzene	216		7.807					
225 Isosafrole Peak 1	162		7.823					9
92 2,4,6-Trichlorophenol	196	7.868	7.873	-0.005	90	124915	5.42	
93 2,4,5-Trichlorophenol	196	7.906	7.905	0.001	92	123899	5.01	
97 2,4-Toluene diamine	121	8.012	8.012	0.0	97	102000	4.55	
227 Isosafrole Peak 2	162		8.016					9
99 1,2,3,4 -Tetrachlorobenzene	216		8.023					
98 1,1'-Biphenyl	154	8.028	8.028	0.0	95	474924	4.62	
100 2-Chloronaphthalene	162	8.055	8.055	0.0	97	426450	4.72	
102 2-Nitroaniline	65	8.130	8.130	0.0	73	155574	5.29	
103 1,4-Naphthoquinone	158		8.224					
104 1,4-Dinitrobenzene	168		8.267					
105 Dimethyl phthalate	163	8.269	8.269	0.0	95	414093	5.09	
107 2,6-Dinitrotoluene	165	8.328	8.327	0.001	84	107691	5.05	
106 1,3-Dinitrobenzene	168	8.376	8.331	0.045	54	55820	4.19	
108 1,2-Dinitrobenzene	168	8.376	8.375	0.001	78	55820	4.98	
109 Acenaphthylene	152	8.408	8.413	-0.005	86	599926	4.60	
110 3-Nitroaniline	138	8.472	8.477	-0.005	88	108697	5.58	
112 Acenaphthene	153	8.557	8.557	0.0	90	377873	4.55	
111 2,4-Dinitrophenol	184	8.563	8.562	0.001	76	104514	9.30	
113 4-Nitrophenol	109	8.600	8.600	0.0	89	58138	4.23	
114 2,4-Dinitrotoluene	165	8.670	8.669	0.001	82	154561	5.52	
115 Pentachlorobenzene	250		8.689					9
116 Dibenzofuran	168	8.702	8.701	0.001	85	536601	4.64	
118 2,3,5,6-Tetrachlorophenol	232	8.760	8.760	0.0	84	94165	4.43	
117 1-Naphthylamine	143		8.790					9
119 2,3,4,6-Tetrachlorophenol	232		8.822					
120 2-Naphthylamine	143		8.854					9
121 Diethyl phthalate	149	8.857	8.856	0.0	95	423263	4.86	
122 Thionazin	97		8.956					9
123 4-Chlorophenyl phenyl ether	204	8.974	8.974	0.0	93	259872	4.76	
125 4-Nitroaniline	138	8.990	8.990	0.0	53	114346	5.18	
126 Fluorene	166	8.990	8.990	0.0	78	414099	4.70	
128 4,6-Dinitro-2-methylphenol	198	9.011	9.011	0.0	74	69966	5.22	
124 N-Nitro-o-toluidine	152		9.015					9
127 Tributyl phosphate	99		9.047					9
131 N-Nitrosodiphenylamine	169	9.070	9.070	0.0	97	337091	5.32	
130 Diphenylamine	169	9.070	9.100	-0.030	91	337091	4.66	
133 Azobenzene	77	9.108	9.107	0.001	95	673252	5.22	
132 1,2-Diphenylhydrazine	77	9.108	9.107	0.001	99	673252	5.22	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
134 Sulfotepp	202	9.182	9.207	-0.025	78	54555	5.71	
176 Hexabromobenzene	232		9.208					
135 1,3,5-Trinitrobenzene	213		9.298					
228 Diallate Peak 1	86		9.335					9
137 Phenacetin	108		9.340					
138 Phorate	121		9.346					
139 4-Bromophenyl phenyl ether	248	9.391	9.390	0.001	71	146909	5.34	
230 Diallate Peak 2	86		9.415					9
141 Hexachlorobenzene	284	9.455	9.454	0.001	74	130075	4.91	
140 Dimethoate	87		9.490					9
142 Atrazine	200	9.503	9.503	0.0	87	103498	5.95	
179 6-Methylchrysene	242		9.576					
143 Pentachlorophenol	266	9.615	9.615	0.0	81	140519	8.72	
129 4-Aminobiphenyl	169		9.640					9
145 Pentachloronitrobenzene	237		9.650					9
144 Pronamide	173		9.666					
147 Dinoseb	211		9.778					
146 Disulfoton	88		9.784					9
148 Phenanthrene	178	9.807	9.807	0.0	83	623662	4.88	
149 Anthracene	178	9.850	9.850	0.0	98	626052	4.96	
150 DFTPP								
151 Carbazole	167	9.973	9.978	-0.005	82	594221	5.13	
152 Methyl parathion	109		10.104					
154 Di-n-butyl phthalate	149	10.229	10.229	0.0	100	734447	5.14	
155 Ethyl Parathion	97		10.425					9
156 4-Nitroquinoline-1-oxide	190		10.478					
157 Methapyrilene	58		10.526					
158 Isodrin	66		10.719					
159 Fluoranthene	202	10.817	10.817	0.0	99	708608	5.03	
160 Benzidine	184	10.913	10.913	0.0	87	276220	4.83	
161 Pyrene	202	11.025	11.025	0.0	97	754053	4.94	
166 4,4'-DDE	246		11.116					9
226 Aramite Peak 1	185		11.130					
229 Aramite Peak 2	185		11.205					
163 p-Dimethylamino azobenzene	225		11.312					
164 Chlorobenzilate	139		11.344					
165 4,4'-DDD	235		11.450					
167 Famphur	218		11.605					
168 Butyl benzyl phthalate	149	11.618	11.618	0.0	91	304861	5.14	
169 3,3'-Dimethylbenzidine	212		11.664					
187 Dibenz[a,h]acridine	279		11.729					
170 4,4'-DDT	235		11.738					9
186 Dibenz[a,j]acridine	279		11.804					
171 2-Acetylaminofluorene	181		11.953					
172 3,3'-Dimethoxybenzidine	244	12.227	12.227	0.0	92	163446	5.29	
175 3,3'-Dichlorobenzidine	252	12.270	12.270	0.0	70	250059	5.23	
174 4,4'-Methylene bis(2-chloroanili	231	12.270	12.270	0.0	63	128619	5.00	
173 Bis(2-ethylhexyl) phthalate	149	12.292	12.291	0.001	95	475805	5.51	
177 Benzo[a]anthracene	228	12.324	12.323	0.001	85	691629	5.13	
178 Chrysene	228	12.372	12.371	0.001	85	634177	4.82	
180 Di-n-octyl phthalate	149	13.200	13.199	0.001	99	719436	5.04	
182 Benzo[b]fluoranthene	252	13.830	13.830	0.0	87	634787	4.88	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
181 7,12-Dimethylbenz(a)anthracene	256		13.871					
183 Benzo[k]fluoranthene	252	13.873	13.872	0.001	83	655786	4.96	
184 Benzo[a]pyrene	252	14.332	14.332	0.0	78	601876	5.09	
185 3-Methylcholanthrene	268		14.928					
188 Indeno[1,2,3-cd]pyrene	276	16.074	16.073	0.001	85	627030	4.78	
189 Dibenz(a,h)anthracene	278	16.106	16.105	0.001	66	488214	4.81	
190 Benzo[g,h,i]perylene	276	16.528	16.527	0.001	72	547027	5.08	
S 191 Methyl Phenols,Total	100				0		10.4	
S 95 Isosafrole	162		5.568					7
S 136 Diallate	86		6.701					7
S 162 Aramite, Total	185		8.271					7
T 195 Hydroquinone TIC	110	7.345	0.0	7.345	91	72896	0	
T 240 Trimethyl phosphate TIC	110		3.120					1
T 193 Hexamethylphosphoramide TIC	135		5.100					1
T 194 Decane TIC	142	5.769	5.800	-0.031	1	361	0	
T 234 2-Isopropylphenol TIC	121	7.051	7.020	0.032	0	828	0	
T 235 4-isopropylphenol TIC	121	7.174	7.174	0.001	0	2533	0	
T 236 3-isopropylphenol TIC	121	7.174	7.174	0.001	0	2533	0	
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		7.537					1
T 196 Kepone TIC	272	7.772	8.278	-0.509	0	15369	0.1309	
T 242 Triphenyl Phosphate TIC	326		8.700					1
T 238 2,3,7,8-TCDD TIC	1		9.000					1
T 197 Hexachlorophene TIC	198	11.138	9.266	1.869	1	12336	0.1264	
T 241 Tricresyl phosphate TIC	368		9.372					1
T 192 Octadecane (TIC)	254		9.600					1
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					1
T 231 2,3,7,8-TCDD	322		12.400					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

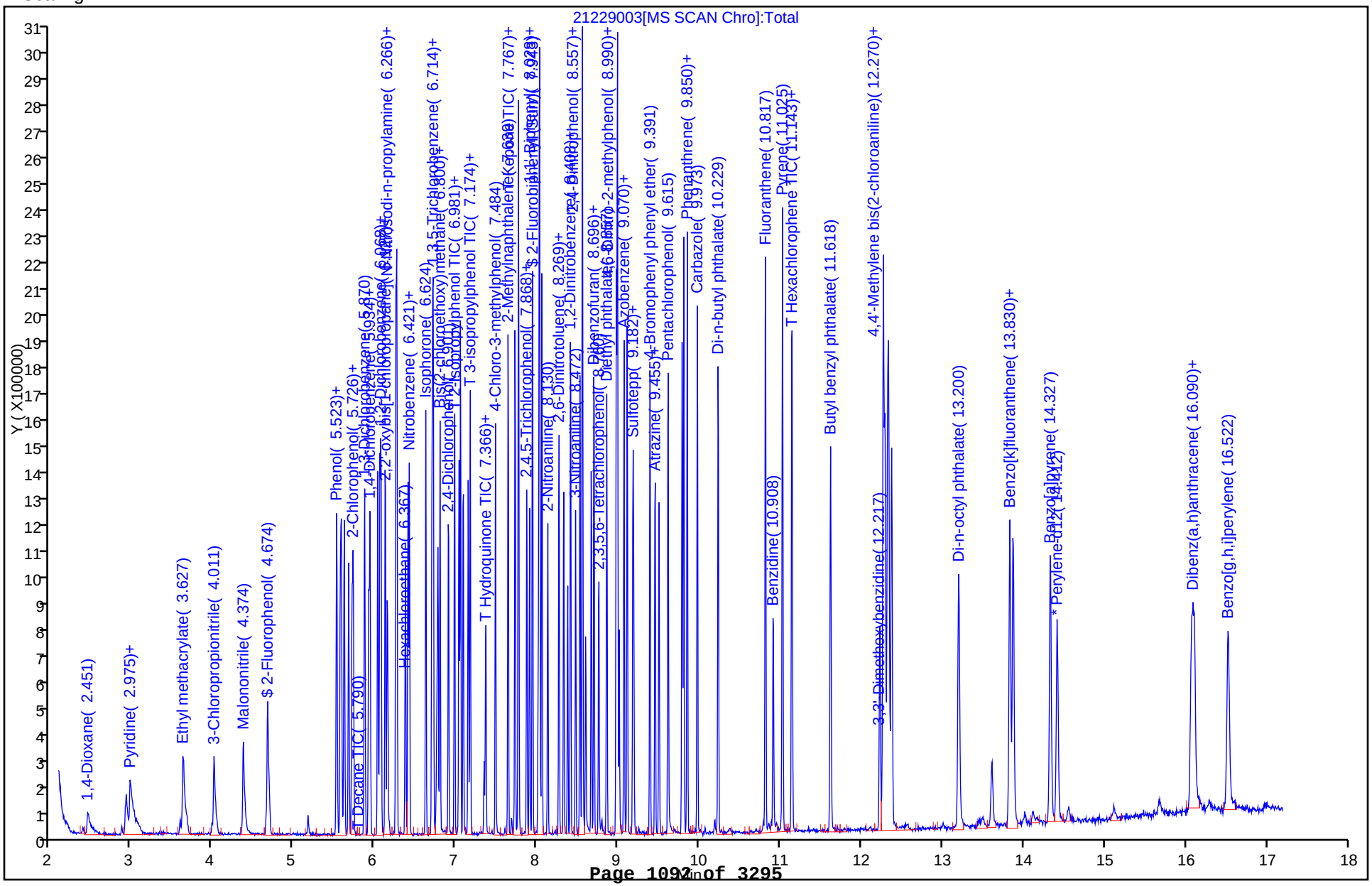
Report Date: 31-Dec-2012 10:36:01 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121229-16269.b\21229003.D

Injection Date:	29-Dec-2012 11:50:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	70566	Lims Sample ID:	3
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

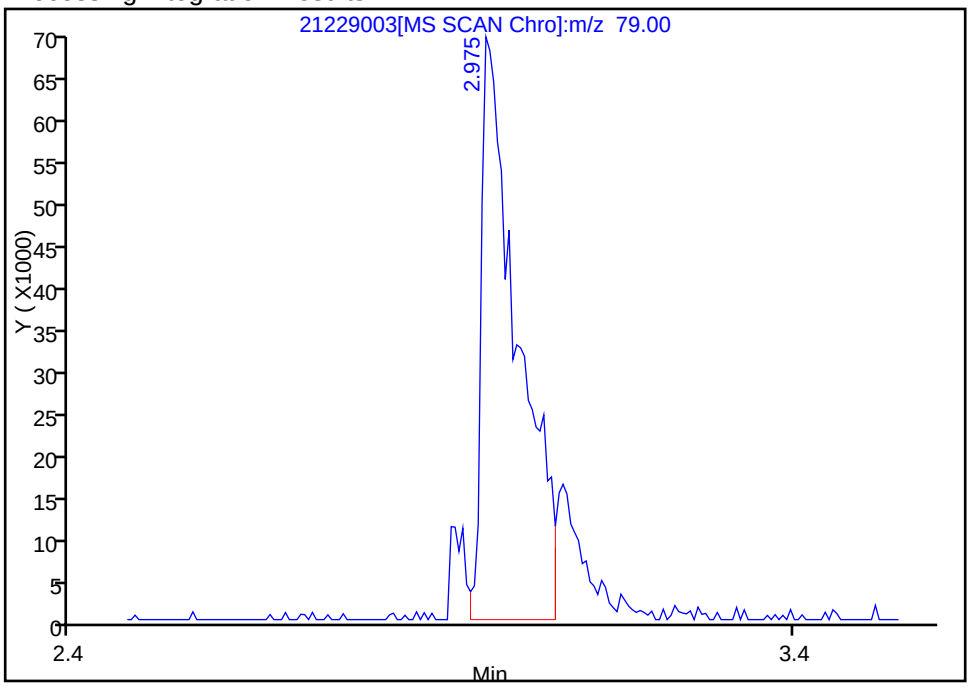
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121229-16269.b\21229003.D		
Injection Date:	29-Dec-2012 11:50:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	70566	Lims Sample ID:	3
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

27 Pyridine, Signal: 1, m/z: 79.0 Type: quant, RT: 2.97

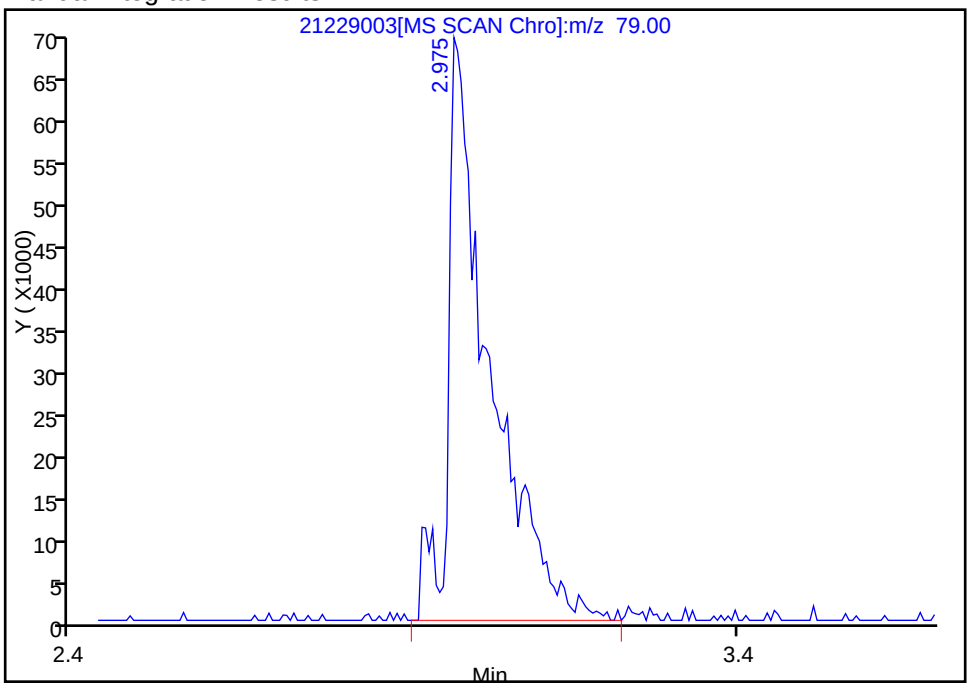
Processing Integration Results

RT: 2.97
Response: 243282
Amount: 4.382508



Manual Integration Results

RT: 2.97
Response: 299111
Amount: 5.388218



Reviewer: ulmanm, 29-Dec-2012 12:28:01
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-70566/13

Matrix: Solid | Lab File ID: 21229013.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/29/2012 16:45

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70566 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
110-86-1	Pyridine	5.56	M	0.0010	0.00080	0.0020
106-46-7	1,4-Dichlorobenzene	5.25		0.0010	0.00080	0.0026
121-14-2	2,4-Dinitrotoluene	5.10		0.0050	0.00080	0.0031
118-74-1	Hexachlorobenzene	4.90		0.00020	0.00010	0.0029
87-68-3	Hexachlorobutadiene	4.96		0.0010	0.00080	0.0026
67-72-1	Hexachloroethane	5.83		0.0010	0.00080	0.0024
95-48-7	2-Methylphenol	5.70		0.0010	0.00080	0.0029
15831-10-4	3 & 4 Methylphenol	5.43		0.0020	0.00080	0.00080
98-95-3	Nitrobenzene	4.92		0.0010	0.00010	0.0029
87-86-5	Pentachlorophenol	4.10	^	0.0050	0.0024	0.0033
95-95-4	2,4,5-Trichlorophenol	4.86		0.0050	0.00080	0.0031
88-06-2	2,4,6-Trichlorophenol	5.03		0.0050	0.00080	0.0029

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	99		50-150
367-12-4	2-Fluorophenol (Surr)	112	Q	50-150
4165-60-0	Nitrobenzene-d5 (Surr)	98		50-150
4165-62-2	Phenol-d5 (Surr)	109		50-150
1718-51-0	Terphenyl-d14 (Surr)	99		50-150
118-79-6	2,4,6-Tribromophenol (Surr)	112		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121229-16269.b\21229013.D
Lims ID: mrl qccl Client ID:
Inject. Date: 29-Dec-2012 16:45:30 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0016269-013
Misc. Info.: MRL QCCL =MRL QCCL
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 13
Lims Batch ID: 70566 Lims Sample ID: 13
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121229-16269.b\8270 _9.m
Last Update: 31-Dec-2012 10:35:58 Calib Date: 21-Dec-2012 20:45:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121221-16106.b\21221019.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK007

First Level Reviewer: ulmanm Date: 31-Dec-2012 09:33:13

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.921	5.918	0.003	96	111636	4.00	
* 2 Naphthalene-d8	136	7.032	7.034	-0.002	99	465298	4.00	
* 3 Acenaphthene-d10	164	8.528	8.525	0.003	83	269909	4.00	
* 4 Phenanthrene-d10	188	9.783	9.786	-0.003	97	469685	4.00	
* 5 Chrysene-d12	240	12.337	12.339	-0.002	91	463827	4.00	
* 6 Perylene-d12	264	14.410	14.412	-0.002	85	396312	4.00	
$ 7 2-Fluorophenol	112	4.671	4.673	-0.002	90	210236	5.61	
$ 8 Phenol-d5	99	5.568	5.571	-0.003	0	301692	5.46	
$ 9 Nitrobenzene-d5	82	6.402	6.404	-0.002	86	350130	4.92	
$ 10 2-Fluorobiphenyl (Surr)	172	7.940	7.943	-0.003	99	533638	4.93	
$ 11 2,4,6-Tribromophenol	330	9.190	9.193	-0.003	79	51097	5.62	
$ 12 Terphenyl-d14	244	11.140	11.143	-0.003	97	522488	4.97	
22 Bis(2-hydroxyphenyl)methane	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
19 Octachlorostyrene	1		0.000					
20 Dimethylformamide	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
13 Octachlorocyclopentene	1		0.000					
25 1,4-Dioxane	88	2.459	2.456	0.003	91	109173	5.61	M
35 Acrylamide	71		2.744					
26 N-Nitrosodimethylamine	74	2.924	2.921	0.003	79	170692	5.79	M
27 Pyridine	79	2.978	2.974	0.004	90	292219	5.56	M
42 Phenylmercaptan	110		3.596					
28 Ethyl methacrylate	69	3.629	3.632	-0.003	83	247601	5.47	M
232 1-Methyl-2-pyrrilidinone	99		3.880					
29 3-Chloropropionitrile	54	4.014	4.011	0.003	85	141907	5.56	M
31 2-Picoline	93		4.068					
52 Indene	115		4.084					
32 N-Nitrosomethylethylamine	88		4.212					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
33 Malononitrile	66	4.372	4.374	-0.002	93	335644	5.77	
17 4-Chlorophenol	128		4.500					
34 Methyl methanesulfonate	80		4.532					
30 3-Picoline	93		4.591					9
24 Catechol	110		4.592					9
233 n,n'-Dimethylacetamide	44		4.618					
15 3-Methylcatechol	124		4.913					
36 N-Nitrosodiethylamine	102		4.944					
14 4-Methylcatechol	124		5.036					
81 Benzothiazole	135		5.046					
82 Quinoline	129		5.099					
37 Ethyl methanesulfonate	79		5.232					9
38 2-Methylcyclohexanone	68		5.441					
39 3-Methylcyclohexanone	69		5.478					
41 Benzaldehyde	77	5.526	5.523	0.003	88	295032	6.07	
40 4-Methylcyclohexanone	55	5.579	5.526	0.053	22	24204	0	
43 Phenol	94	5.579	5.581	-0.002	98	332986	5.36	
44 Aniline	93	5.617	5.619	-0.002	95	424271	5.49	
69 Bis(2-chloroethyl)ether	93	5.675	5.672	0.003	97	311890	5.29	
45 Pentachloroethane	167		5.697					
96 3,4-Dichloronitrobenzene	109		5.725					
46 2-Chlorophenol	128	5.729	5.731	-0.002	86	200832	5.36	
101 Phenyl ether	170		5.773					
47 1,3-Dichlorobenzene	146	5.868	5.870	-0.002	88	249622	5.15	
48 1,4-Dichlorobenzene	146	5.937	5.934	0.003	78	206765	5.25	
49 Benzyl alcohol	108	6.033	6.030	0.003	86	152668	5.52	
50 1,2-Dichlorobenzene	146	6.071	6.073	-0.002	87	233707	4.97	
51 2-Methylphenol	108	6.124	6.126	-0.002	96	232439	5.70	
53 2,2'-oxybis[1-chloropropane]	45	6.151	6.153	-0.002	94	326061	5.50	
21 3 & 4 Methylphenol	108	6.252	6.255	-0.003	94	232025	5.43	
57 N-Nitrosodi-n-propylamine	70	6.263	6.265	-0.002	76	214336	5.57	
58 Acetophenone	105	6.268	6.271	-0.003	90	345440	5.53	
56 N-Nitrosopyrrolidine	100		6.274					
59 N-Nitrosomorpholine	56		6.306					9
60 2-Toluidine	106		6.327					
61 Hexachloroethane	117	6.375	6.372	0.003	87	120673	5.83	
62 Nitrobenzene	77	6.423	6.420	0.003	76	367597	4.92	
63 N-Nitrosopiperidine	114		6.578					
64 Isophorone	82	6.626	6.623	0.003	95	569807	4.99	
66 2-Nitrophenol	139	6.696	6.698	-0.002	87	100721	5.25	
67 1,3,5-Trichlorobenzene	180	6.706	6.709	-0.003	88	216281	4.76	
65 2,4-Dimethylphenol	107	6.717	6.719	-0.002	62	241398	4.87	
71 Benzoic acid	122	6.765	6.789	-0.024	86	118751	5.30	
68 o,o',o''-Triethylphosphorothioat	198		6.798					
70 Bis(2-chloroethoxy)methane	93	6.803	6.799	0.004	98	375137	4.85	
73 2,4-Dichlorophenol	162	6.904	6.906	-0.002	95	151924	5.03	
72 alpha,alpha-Dimethyl phenethylam	58		6.920					9
74 1,2,4-Trichlorobenzene	180	6.979	6.981	-0.002	87	213227	4.81	
75 Naphthalene	128	7.054	7.051	0.003	97	582024	4.75	
76 4-Chloroaniline	127	7.086	7.088	-0.002	81	249615	5.10	
77 2,6-Dichlorophenol	162		7.123					9
79 Hexachlorobutadiene	225	7.150	7.147	0.003	90	122125	4.96	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
78 Hexachloropropene	213		7.155					
80 1,2,3-Trichlorobenzene	180		7.173					
84 Caprolactam	113	7.363	7.371	-0.008	78	76072	5.51	
83 N-Nitrosodi-n-butylamine	84		7.385					
85 p-Phenylene diamine	108		7.407					9
86 4-Chloro-3-methylphenol	107	7.481	7.483	-0.002	87	206906	5.07	
94 Safrole, Total	162		7.577					
153 Diphenylsulfone	125		7.616					
87 2-Methylnaphthalene	142	7.641	7.638	0.003	87	378125	4.67	
88 1-Methylnaphthalene	142	7.727	7.724	0.003	81	341463	4.50	
89 Hexachlorocyclopentadiene	237	7.769	7.766	0.003	72	114647	4.37	
90 1,2,3,5-Tetrachlorobenzene	216	7.769	7.766	0.003	84	214893	4.80	
91 1,2,4,5-Tetrachlorobenzene	216		7.807					
225 Isosafrole Peak 1	162		7.823					9
92 2,4,6-Trichlorophenol	196	7.871	7.873	-0.002	91	113845	5.03	
93 2,4,5-Trichlorophenol	196	7.903	7.905	-0.002	91	117917	4.86	
97 2,4-Toluene diamine	121	8.010	8.012	-0.002	95	106754	4.69	
227 Isosafrole Peak 2	162		8.016					9
99 1,2,3,4 -Tetrachlorobenzene	216		8.023					
98 1,1'-Biphenyl	154	8.031	8.028	0.003	96	473212	4.68	
100 2-Chloronaphthalene	162	8.058	8.055	0.003	98	416566	4.69	
102 2-Nitroaniline	65	8.127	8.130	-0.003	72	152627	5.29	
103 1,4-Naphthoquinone	158		8.224					
104 1,4-Dinitrobenzene	168		8.267					9
105 Dimethyl phthalate	163	8.266	8.269	-0.003	94	393626	4.93	
107 2,6-Dinitrotoluene	165	8.325	8.327	-0.002	75	100501	4.82	
106 1,3-Dinitrobenzene	168	8.373	8.331	0.042	57	51503	3.97	
108 1,2-Dinitrobenzene	168	8.373	8.375	-0.002	82	51503	4.68	
109 Acenaphthylene	152	8.411	8.413	-0.003	91	620978	4.86	
110 3-Nitroaniline	138	8.475	8.477	-0.002	88	105482	5.52	
112 Acenaphthene	153	8.555	8.557	-0.002	95	381419	4.68	
111 2,4-Dinitrophenol	184	8.560	8.562	-0.002	46	12993	2.54	
113 4-Nitrophenol	109	8.597	8.600	-0.003	88	55305	4.11	
114 2,4-Dinitrotoluene	165	8.667	8.669	-0.002	75	139469	5.10	
115 Pentachlorobenzene	250		8.689					9
116 Dibenzofuran	168	8.699	8.701	-0.002	85	528036	4.65	
118 2,3,5,6-Tetrachlorophenol	232	8.758	8.760	-0.002	84	77479	3.72	
117 1-Naphthylamine	143		8.790					9
119 2,3,4,6-Tetrachlorophenol	232		8.822					
120 2-Naphthylamine	143		8.854					9
121 Diethyl phthalate	149	8.859	8.856	0.003	95	430512	5.04	
122 Thionazin	97		8.956					9
123 4-Chlorophenyl phenyl ether	204	8.977	8.974	0.003	91	266527	4.97	
125 4-Nitroaniline	138	8.987	8.990	-0.003	71	114010	5.25	
126 Fluorene	166	8.987	8.990	-0.003	76	415791	4.80	
128 4,6-Dinitro-2-methylphenol	198	9.014	9.011	0.003	62	23589	2.22	
124 N-Nitro-o-toluidine	152		9.015					
127 Tributyl phosphate	99		9.047					
131 N-Nitrosodiphenylamine	169	9.073	9.070	0.003	99	323125	4.99	
130 Diphenylamine	169		9.100					
133 Azobenzene	77	9.110	9.107	0.003	95	659695	5.00	
132 1,2-Diphenylhydrazine	77	9.110	9.107	0.003	99	659695	5.00	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
134 Sulfotepp	202	9.180	9.207	-0.027	77	53771	5.51	
176 Hexabromobenzene	232		9.208					
135 1,3,5-Trinitrobenzene	213		9.298					
228 Diallate Peak 1	86		9.335					9
137 Phenacetin	108		9.340					
138 Phorate	121		9.346					
139 4-Bromophenyl phenyl ether	248	9.393	9.390	0.003	63	146410	5.21	
230 Diallate Peak 2	86		9.415					9
141 Hexachlorobenzene	284	9.452	9.454	-0.002	77	132401	4.90	
140 Dimethoate	87		9.490					9
142 Atrazine	200	9.500	9.503	-0.003	83	98664	5.56	
179 6-Methylchrysene	242		9.576					
143 Pentachlorophenol	266	9.612	9.615	-0.003	77	61245	4.10	
129 4-Aminobiphenyl	169		9.640					9
145 Pentachloronitrobenzene	237		9.650					9
144 Pronamide	173		9.666					
147 Dinoseb	211		9.778					
146 Disulfoton	88		9.784					9
148 Phenanthrene	178	9.805	9.807	-0.002	97	611905	4.69	
149 Anthracene	178	9.848	9.850	-0.002	86	634938	4.93	
150 DFTPP								
151 Carbazole	167	9.976	9.978	-0.002	82	589251	4.98	
152 Methyl parathion	109		10.104					9
154 Di-n-butyl phthalate	149	10.232	10.229	0.003	100	747895	5.12	
155 Ethyl Parathion	97		10.425					
156 4-Nitroquinoline-1-oxide	190		10.478					9
157 Methapyrilene	58		10.526					
158 Isodrin	66		10.719					
159 Fluoranthene	202	10.814	10.817	-0.003	99	704502	4.89	
160 Benzidine	184	10.911	10.913	-0.002	96	257654	4.59	
161 Pyrene	202	11.028	11.025	0.003	97	756553	5.01	
166 4,4'-DDE	246		11.116					9
226 Aramite Peak 1	185		11.130					9
229 Aramite Peak 2	185		11.205					9
163 p-Dimethylamino azobenzene	225		11.312					
164 Chlorobenzilate	139		11.344					
165 4,4'-DDD	235		11.450					
167 Famphur	218		11.605					
168 Butyl benzyl phthalate	149	11.616	11.618	-0.002	93	312752	5.34	
169 3,3'-Dimethylbenzidine	212		11.664					9
187 Dibenz[a,h]acridine	279		11.729					
170 4,4'-DDT	235		11.738					
186 Dibenz[a,j]acridine	279		11.804					
171 2-Acetylaminofluorene	181		11.953					
172 3,3'-Dimethoxybenzidine	244	12.225	12.227	-0.002	89	160433	5.26	
175 3,3'-Dichlorobenzidine	252	12.268	12.270	-0.002	74	245861	5.21	
174 4,4'-Methylene bis(2-chloroanili	231	12.273	12.270	0.003	74	122278	4.82	
173 Bis(2-ethylhexyl) phthalate	149	12.289	12.291	-0.002	95	453560	5.32	
177 Benzo[a]anthracene	228	12.321	12.323	-0.002	86	680412	5.11	
178 Chrysene	228	12.369	12.371	-0.002	81	632626	4.87	
180 Di-n-octyl phthalate	149	13.197	13.199	-0.002	99	723828	5.00	
182 Benzo[b]fluoranthene	252	13.827	13.830	-0.003	72	596112	4.51	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
181 7,12-Dimethylbenz(a)anthracene	256		13.871					
183 Benzo[k]fluoranthene	252	13.870	13.872	-0.002	77	666743	4.97	
184 Benzo[a]pyrene	252	14.330	14.332	-0.002	76	583224	4.85	
185 3-Methylcholanthrene	268		14.928					
188 Indeno[1,2,3-cd]pyrene	276	16.071	16.073	-0.002	82	619578	4.65	
189 Dibenz(a,h)anthracene	278	16.103	16.105	-0.002	63	472330	4.58	
190 Benzo[g,h,i]perylene	276	16.525	16.527	-0.002	81	557052	5.10	
S 191 Methyl Phenols,Total	100				0		11.1	
S 95 Isosafrole	162		5.568					7
S 136 Diallate	86		6.701					7
S 162 Aramite, Total	185		8.271					7
T 195 Hydroquinone TIC	110		0.000					
T 240 Trimethyl phosphate TIC	110		3.120					1
T 193 Hexamethylphosphoramide TIC	135		5.100					
T 194 Decane TIC	142		5.800					
T 234 2-Isopropylphenol TIC	121		7.019					
T 235 4-isopropylphenol TIC	121		7.173					
T 236 3-isopropylphenol TIC	121		7.173					
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		7.537					1
T 196 Kepone TIC	272		8.281					
T 242 Triphenyl Phosphate TIC	326		8.700					1
T 238 2,3,7,8-TCDD TIC	1		9.000					1
T 197 Hexachlorophene TIC	198		9.269					
T 241 Tricresyl phosphate TIC	368		9.372					1
T 192 Octadecane (TIC)	254		9.600					
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					1
T 231 2,3,7,8-TCDD	322		12.400					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

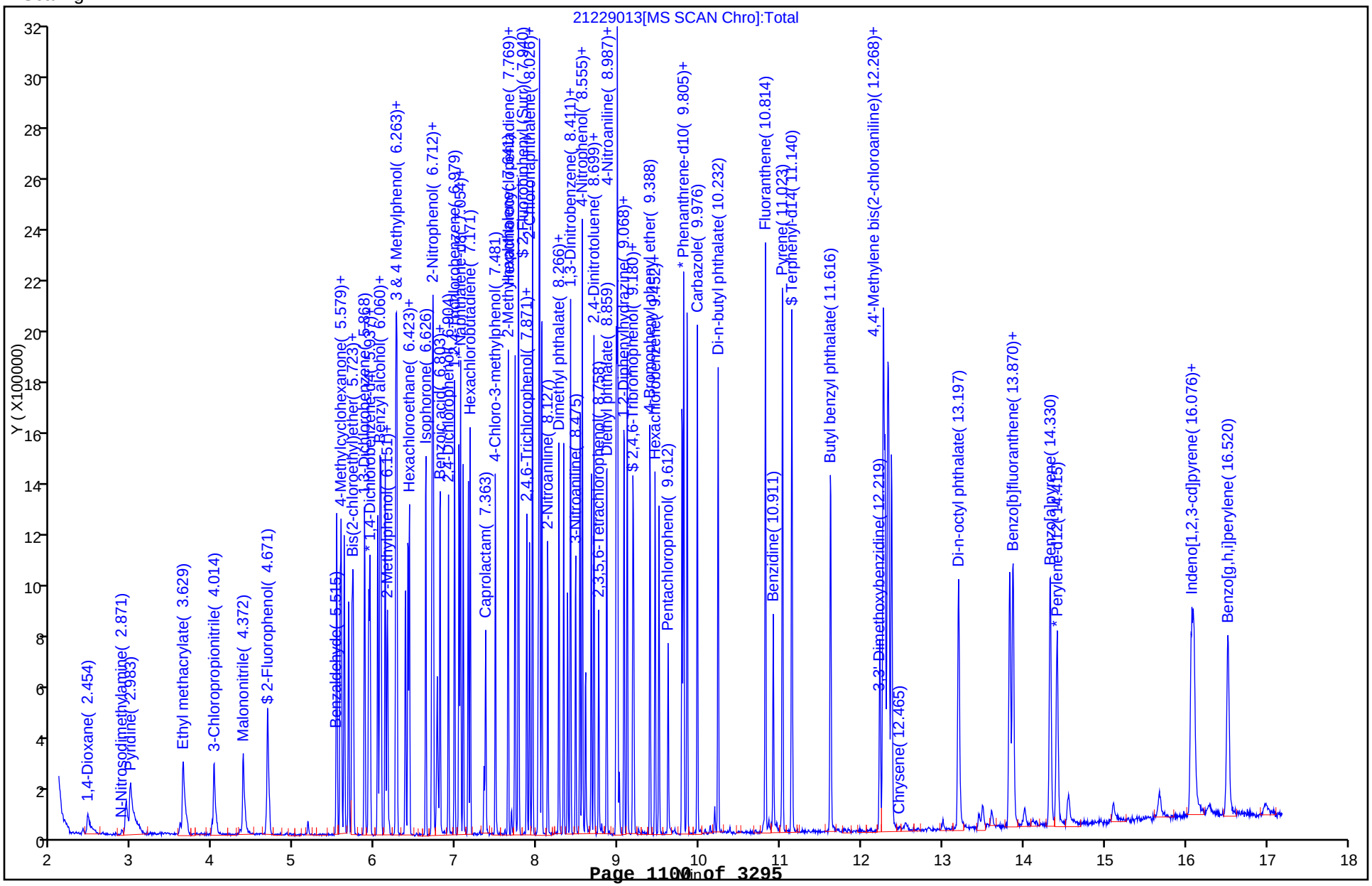
Report Date: 31-Dec-2012 10:36:13 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121229-16269.b\21229013.D

Injection Date:	29-Dec-2012 16:45:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	70566	Lims Sample ID:	13
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

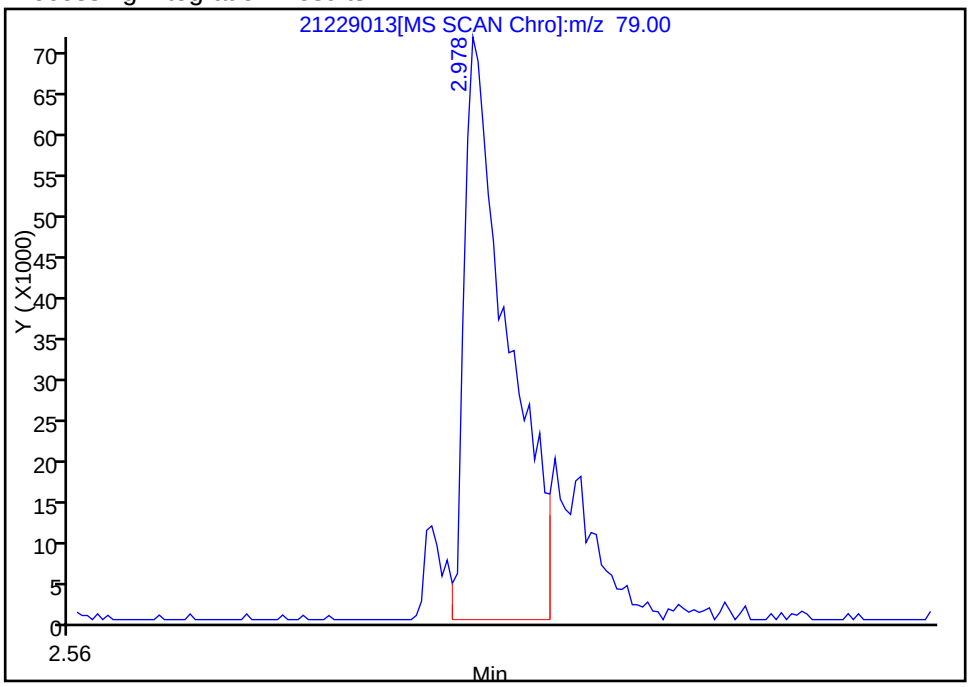
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121229-16269.b\21229013.D		
Injection Date:	29-Dec-2012 16:45:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	70566	Lims Sample ID:	13
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

27 Pyridine, Signal: 1, m/z: 79.0 Type: quant, RT: 2.97

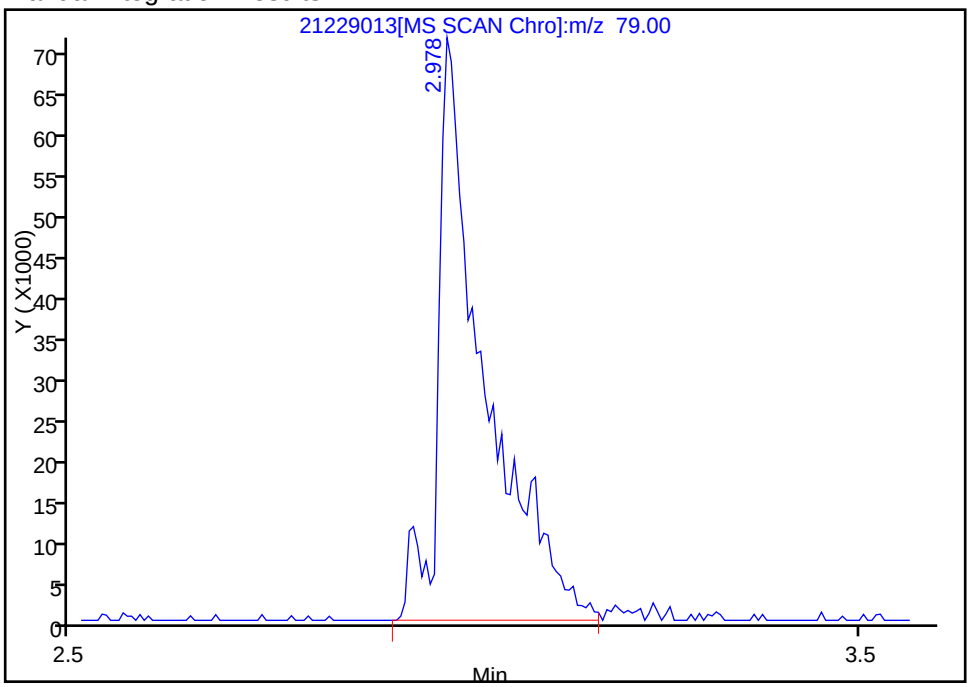
Processing Integration Results

RT: 2.98
Response: 224183
Amount: 4.266035



Manual Integration Results

RT: 2.98
Response: 292219
Amount: 5.560709



Reviewer: ulmanm, 31-Dec-2012 09:33:13
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A4HP7 Start Date: 11/07/2012 11:21

Analysis Batch Number: 64102 End Date: 11/07/2012 14:51

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 240-64102/1		11/07/2012 11:21	1	21107001.D	RXI-5SILMS 0.45(mm)
STD5 240-64102/2 IC		11/07/2012 11:44	1	21107002.D	RXI-5SILMS 0.45(mm)
STD4 240-64102/3 IC		11/07/2012 12:07	1	21107003.D	RXI-5SILMS 0.45(mm)
STD3 240-64102/4 IC		11/07/2012 12:31	1	21107004.D	RXI-5SILMS 0.45(mm)
STD2 240-64102/5 IC		11/07/2012 12:54	1	21107005.D	RXI-5SILMS 0.45(mm)
STD1 240-64102/6 IC		11/07/2012 13:18	1	21107006.D	RXI-5SILMS 0.45(mm)
STD9 240-64102/7 IC		11/07/2012 13:41	1	21107007.D	RXI-5SILMS 0.45(mm)
STD8 240-64102/8 IC		11/07/2012 14:05	1	21107008.D	RXI-5SILMS 0.45(mm)
STD7 240-64102/9 IC		11/07/2012 14:28	1	21107009.D	RXI-5SILMS 0.45(mm)
STD6 240-64102/10 ICIS		11/07/2012 14:51	1	21107010.D	RXI-5SILMS 0.45(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A4HP7 Start Date: 11/21/2012 11:18

Analysis Batch Number: 65876 End Date: 11/21/2012 22:58

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 240-65876/1		11/21/2012 11:18	1	21121001.D	RXI-5SILMS 0.45(mm)
CCV 240-65876/2		11/21/2012 11:41	1		RXI-5SILMS 0.45(mm)
ICV 240-65876/3		11/21/2012 12:04	1	21121003.D	RXI-5SILMS 0.45(mm)
ZZZZZ		11/21/2012 12:28	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/21/2012 12:51	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/21/2012 13:15	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/21/2012 13:38	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/21/2012 14:01	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/21/2012 14:25	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/21/2012 14:48	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/21/2012 15:12	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/21/2012 15:35	5		RXI-5SILMS 0.45(mm)
ZZZZZ		11/21/2012 15:59	5		RXI-5SILMS 0.45(mm)
ZZZZZ		11/21/2012 16:22	5		RXI-5SILMS 0.45(mm)
ZZZZZ		11/21/2012 16:46	2.5		RXI-5SILMS 0.45(mm)
ZZZZZ		11/21/2012 17:09	12.5		RXI-5SILMS 0.45(mm)
ZZZZZ		11/21/2012 17:33	1		RXI-5SILMS 0.45(mm)
mdll1 LODV		11/21/2012 17:56	1		RXI-5SILMS 0.45(mm)
mdll2 LODV		11/21/2012 18:20	1		RXI-5SILMS 0.45(mm)
mdll3 LODV		11/21/2012 18:43	1		RXI-5SILMS 0.45(mm)
mdll4 LODV		11/21/2012 19:06	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/21/2012 19:29	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/21/2012 19:53	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/21/2012 20:16	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/21/2012 20:39	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/21/2012 21:02	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/21/2012 21:26	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/21/2012 21:49	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/21/2012 22:12	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/21/2012 22:35	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/21/2012 22:58	1		RXI-5SILMS 0.45(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A4HP7 Start Date: 12/17/2012 10:07

Analysis Batch Number: 68962 End Date: 12/17/2012 13:15

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 240-68962/1		12/17/2012 10:07	1	21217001.D	RXI-5SILMS 0.45(mm)
CCV 240-68962/2		12/17/2012 10:30	1	21217002.D	RXI-5SILMS 0.45(mm)
MRL 240-68962/3		12/17/2012 10:54	1	21217003.D	RXI-5SILMS 0.45(mm)
MB 240-68547/18-A		12/17/2012 11:18	1	21217004.D	RXI-5SILMS 0.45(mm)
LCS 240-68547/19-A		12/17/2012 11:41	1	21217005.D	RXI-5SILMS 0.45(mm)
ZZZZZ		12/17/2012 12:04	1		RXI-5SILMS 0.45(mm)
240-18735-3	070-0056-0001-SOURCE WATER	12/17/2012 12:28	1	21217007.D	RXI-5SILMS 0.45(mm)
240-18735-4	070-0057-0001-SOURCE WATER	12/17/2012 12:51	1	21217008.D	RXI-5SILMS 0.45(mm)
MRL 240-68962/10		12/17/2012 13:15	1	21217010.D	RXI-5SILMS 0.45(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A4HP9 Start Date: 12/21/2012 13:19

Analysis Batch Number: 69820 End Date: 12/21/2012 20:45

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 240-69820/1		12/21/2012 13:19	1	21221001.D	RXI-5SILMS 0.45(mm)
STD5 240-69820/2 IC		12/21/2012 13:40	1	21221002.D	RXI-5SILMS 0.45(mm)
STD4 240-69820/3 IC		12/21/2012 14:05	1	21221003.D	RXI-5SILMS 0.45(mm)
STD3 240-69820/4 IC		12/21/2012 14:29	1	21221004.D	RXI-5SILMS 0.45(mm)
STD2 240-69820/5 IC		12/21/2012 14:55	1	21221005.D	RXI-5SILMS 0.45(mm)
STD1 240-69820/6 IC		12/21/2012 15:20	1	21221006.D	RXI-5SILMS 0.45(mm)
STD9 240-69820/7 IC		12/21/2012 15:44	1	21221007.D	RXI-5SILMS 0.45(mm)
STD8 240-69820/8 IC		12/21/2012 16:09	1	21221008.D	RXI-5SILMS 0.45(mm)
STD7 240-69820/9 IC		12/21/2012 16:34	1	21221009.D	RXI-5SILMS 0.45(mm)
STD6 240-69820/10 ICIS		12/21/2012 16:59	1	21221010.D	RXI-5SILMS 0.45(mm)
STD5 240-69820/12 IC		12/21/2012 17:50	1		RXI-5SILMS 0.45(mm)
STD4 240-69820/13 IC		12/21/2012 18:15	1		RXI-5SILMS 0.45(mm)
STD3 240-69820/14 IC		12/21/2012 18:40	1		RXI-5SILMS 0.45(mm)
STD2 240-69820/15 IC		12/21/2012 19:05	1		RXI-5SILMS 0.45(mm)
STD6 240-69820/16 IC		12/21/2012 19:30	1		RXI-5SILMS 0.45(mm)
STD7 240-69820/17 IC		12/21/2012 19:55	1		RXI-5SILMS 0.45(mm)
STD8 240-69820/18 IC		12/21/2012 20:20	1		RXI-5SILMS 0.45(mm)
STD9 240-69820/19 IC		12/21/2012 20:45	1		RXI-5SILMS 0.45(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A4HP9 Start Date: 12/22/2012 11:45

Analysis Batch Number: 69908 End Date: 12/22/2012 20:36

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 240-69908/1		12/22/2012 11:45	1	21222001.D	RXI-5SILMS 0.45(mm)
CCV 240-69908/2		12/22/2012 12:06	1		RXI-5SILMS 0.45(mm)
ICV 240-69908/3		12/22/2012 12:30	1	21222003.D	RXI-5SILMS 0.45(mm)
CCV 240-69908/15		12/22/2012 13:08	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/22/2012 13:33	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/22/2012 13:58	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/22/2012 14:23	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/22/2012 14:48	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/22/2012 16:52	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/22/2012 17:17	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/22/2012 17:42	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/22/2012 18:07	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/22/2012 18:31	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/22/2012 18:56	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/22/2012 19:21	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/22/2012 19:46	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/22/2012 20:11	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/22/2012 20:36	1		RXI-5SILMS 0.45(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A4HP9 Start Date: 12/29/2012 11:01

Analysis Batch Number: 70566 End Date: 12/29/2012 18:23

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 240-70566/1		12/29/2012 11:01	1	21229001.D	RXI-5SILMS 0.45(mm)
CCV 240-70566/2		12/29/2012 11:25	1	21229002.D	RXI-5SILMS 0.45(mm)
MRL 240-70566/3		12/29/2012 11:50	1	21229003.D	RXI-5SILMS 0.45(mm)
MB 240-70003/22-A		12/29/2012 12:15	1	21229004.D	RXI-5SILMS 0.45(mm)
LCS 240-70003/23-A		12/29/2012 12:39	1	21229005.D	RXI-5SILMS 0.45(mm)
ZZZZZ		12/29/2012 13:03	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/29/2012 14:18	1		RXI-5SILMS 0.45(mm)
240-18735-5	070-0058-0001-IDW	12/29/2012 15:32	1	21229010.D	RXI-5SILMS 0.45(mm)
240-18735-6	070-0059-0001-IDW	12/29/2012 15:56	1	21229011.D	RXI-5SILMS 0.45(mm)
ZZZZZ		12/29/2012 16:20	1		RXI-5SILMS 0.45(mm)
MRL 240-70566/13		12/29/2012 16:45	1	21229013.D	RXI-5SILMS 0.45(mm)
mdll1 LODV		12/29/2012 17:09	1	21229014.D	RXI-5SILMS 0.45(mm)
mdll2 LODV		12/29/2012 17:34	1	21229015.D	RXI-5SILMS 0.45(mm)
mdll3 LODV		12/29/2012 17:58	1	21229016.D	RXI-5SILMS 0.45(mm)
mdll4 LODV		12/29/2012 18:23	1	21229017.D	RXI-5SILMS 0.45(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Batch Number: 68547 Batch Start Date: 12/13/12 12:45 Batch Analyst: Coast, Chris

Batch Method: 3520C Batch End Date: 12/14/12 06:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	InitialAmount	FinalAmount	FirstAdjustpH	EXBNALCS1 00031	EXBNASURRW 00021
240-18735-H-3	070-0056-0001-SOURCE WATER	3520C, 8270C/DoD	T	7 SU	1050 mL	2 mL	2 SU		1 mL
240-18735-O-4	070-0057-0001-SOURCE WATER	3520C, 8270C/DoD	T	7 SU	1050 mL	2 mL	2 SU		1 mL
MB 240-68547/18		3520C, 8270C/DoD		7 SU	1000 mL	2 mL	2 SU		1 mL
LCS 240-68547/19		3520C, 8270C/DoD		7 SU	1000 mL	2 mL	2 SU	1 mL	1 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	EXRESTEKSPKW 00017					
240-18735-H-3	070-0056-0001-SOURCE WATER	3520C, 8270C/DoD	T						
240-18735-O-4	070-0057-0001-SOURCE WATER	3520C, 8270C/DoD	T						
MB 240-68547/18		3520C, 8270C/DoD							
LCS 240-68547/19		3520C, 8270C/DoD		1 mL					

Batch Notes	
Acid used for pH adjust Lot #	711898
Person's name who did the concentration	ac/bm
Na2SO4 Lot Number	677233
Prep Solvent Lot #	781165

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Batch Number: 69294 Batch Start Date: 12/18/12 19:10 Batch Analyst: Jones, Diane

Batch Method: 1311 Batch End Date: 12/19/12 11:15

Lab Sample ID	Client Sample ID	Method Chain	Basis	EXTCLPACETIC 00005	EXTCLPFILTERS 00012	EXTCLPHCLW 00018	EXTCLPNAOH 00010	AnalysisComment	
240-18735-C-5	070-0058-0001-ID W	1311, 3520C, 8270C/DoD	P	1 mL	1	1 mL	1 g	DOD - MS/MSD for Metals, MS for Herb	
240-18735-F-6	070-0059-0001-ID W	1311, 3520C, 8270C/DoD	P	1 mL	1	1 mL	1 g	DOD - MS for Pest, MS for BNAs	

Batch Notes	
Tumbler Rotations per Minute	A, B, C = 31rpm

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Batch Number: 70003 Batch Start Date: 12/24/12 12:45 Batch Analyst: Matthews, Brandon

Batch Method: 3520C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH	SecondAdjustpH	EXBNASURRW 00021
240-18735-C-5-B	070-0058-0001-ID W	3520C, 8270C/DoD	P	250 mL	2 mL	5	2	12	1 mL
240-18735-F-6-B	070-0059-0001-ID W	3520C, 8270C/DoD	P	250 mL	2 mL	8	2	12	1 mL
MB 240-70003/22		3520C, 8270C/DoD		250 mL	2 mL	5	2	12	1 mL
LCS 240-70003/23		3520C, 8270C/DoD		250 mL	2 mL	5	2	12	1 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	EXTCLPBNALCSW 00027					
240-18735-C-5-B	070-0058-0001-ID W	3520C, 8270C/DoD	P						
240-18735-F-6-B	070-0059-0001-ID W	3520C, 8270C/DoD	P						
MB 240-70003/22		3520C, 8270C/DoD							
LCS 240-70003/23		3520C, 8270C/DoD		1 mL					

Batch Notes	
Acid used for pH adjust Lot #	711899
Base used for pH adjust Lot #	711887
Person's name who did the concentration	lah/lm
Na2SO4 Lot Number	677232
Prep Solvent Lot #	797375

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8015B - GRO

Gasoline Range Organics (GC) by Method 8015B

FORM II
GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low

GC Column (1): RTX-VRX ID: 0.45 (mm)

Client Sample ID	Lab Sample ID	TFT1 #
070-0056-0001-SOURCE WATER	240-18735-3	86
070-0057-0001-SOURCE WATER	240-18735-4	84
	MB 240-69738/36	76
	LCS 240-69738/37	92

	QC LIMITS
TFT = Trifluorotoluene (Surr)	10-150

Column to be used to flag recovery values

FORM II 8015B

FORM II
GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low

GC Column (1): RTX-VRX ID: 0.45 (mm)

Client Sample ID	Lab Sample ID	TFT1 #
	MRL 240-69738/35	85
	MRL 240-69738/51	85

	QC LIMITS
TFT = Trifluorotoluene (Surr)	70-130

Column to be used to flag recovery values

FORM II 8015B

FORM III
GASOLINE RANGE ORGANICS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low Lab File ID: YF122137.D

Lab ID: LCS 240-69738/37 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
C6-C12	800	830	104	72-140	

Column to be used to flag recovery and RPD values

FORM III 8015B

FORM III
GASOLINE RANGE ORGANICS METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low Lab File ID: YF122135.D

Lab ID: MRL 240-69738/35 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MRL CONCENTRATION (ug/L)	MRL % REC	QC LIMITS REC	#
C6-C12	100	78.6 J	79	70-130	

Column to be used to flag recovery and RPD values

FORM III 8015B

FORM III
GASOLINE RANGE ORGANICS METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low Lab File ID: YF122151.D

Lab ID: MRL 240-69738/51 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MRL CONCENTRATION (ug/L)	MRL % REC	QC LIMITS REC	#
C6-C12	100	115	115	70-130	

Column to be used to flag recovery and RPD values

FORM III 8015B

FORM IV
GASOLINE RANGE ORGANICS METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: MB 240-69738/36

Matrix: Water Date Extracted: 12/22/2012 08:46

Lab File ID:(1) YF122136.D Lab File ID:(2)

Date Analyzed:(1) 12/22/2012 08:46 Date Analyzed:(2)

Instrument ID:(1) YPID Instrument ID:(2)

GC Column:(1) RTX-VRX ID: 0.45(mm) GC Column:(2) ID:

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 240-69738/37	12/22/2012 09:24	
070-0056-0001-SOURCE WATER	240-18735-3	12/22/2012 16:18	
070-0057-0001-SOURCE WATER	240-18735-4	12/22/2012 16:56	

FORM VIII
GASOLINE RANGE ORGANICS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Sample No.: CCV 240-69738/5 Date Analyzed: 12/21/2012 13:05

Instrument ID: YPID GC Column: RTX-VRX ID: 0.45(mm)

Lab File ID (Standard): YF122105.D Heated Purge: (Y/N) N

Calibration ID: 10675

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TFT		
				RT #		
CONTINUING CALIBRATION SURROGATE				9.76		
UPPER LIMIT				9.86		
LOWER LIMIT				9.66		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-69738/5 CCVRT		12/21/2012 13:05	YF122105.D	9.76		
CCV 240-69738/10		12/21/2012 16:14	YF122110.D	9.76		
CCV 240-69738/34		12/22/2012 07:30	YF122134.D	9.76		
MB 240-69738/36		12/22/2012 08:46	YF122136.D	9.76		
LCS 240-69738/37		12/22/2012 09:24	YF122137.D	9.76		
CCV 240-69738/45		12/22/2012 14:25	YF122145.D	9.76		
240-18735-3	070-0056-0001-SOURCE WATER	12/22/2012 16:18	YF122148.D	9.75		
240-18735-4	070-0057-0001-SOURCE WATER	12/22/2012 16:56	YF122149.D	9.75		
CCV 240-69738/50		12/22/2012 17:35	YF122150.D	9.76		

TFT = Trifluorotoluene (Surr)

TFT RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8015B

FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Client Sample ID: 070-0056-0001-SOURCE Lab Sample ID: 240-18735-3

Matrix: Water Lab File ID: YF122148.D

Analysis Method: 8015B Date Collected: 12/12/2012 13:00

Sample wt/vol: 5(mL) Date Analyzed: 12/22/2012 16:18

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VRX ID: 0.45(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69738 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00061	C6-C12	39	J	100	50	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	Trifluorotoluene (Surr)	86		10-150

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20121221-16087.b\YF122148.D		
Lims ID:	240-18735-B-3	Client ID:	070-0056-0001-SOURCE WATER
Inject. Date:	22-Dec-2012 16:18:51	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016087-048		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	69738	Lims Sample ID:	48
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20121221-16087.b\Y80158021.m		
Last Update:	26-Dec-2012 15:23:28	Calib Date:	27-Aug-2012 15:06:37
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.752	9.757	-0.005	1325893	8.63	
A 1 C6-C12	2	13.461	5.001 - 21.920		12034964	39.1	

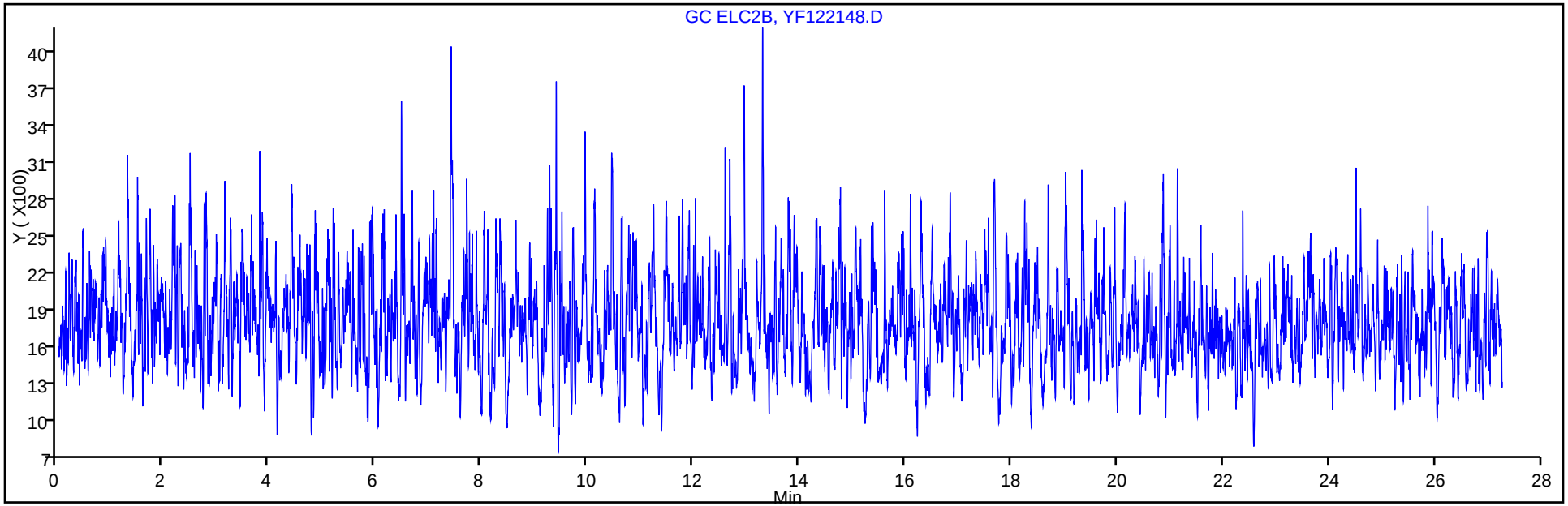
Report Date: 26-Dec-2012 15:23:32 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

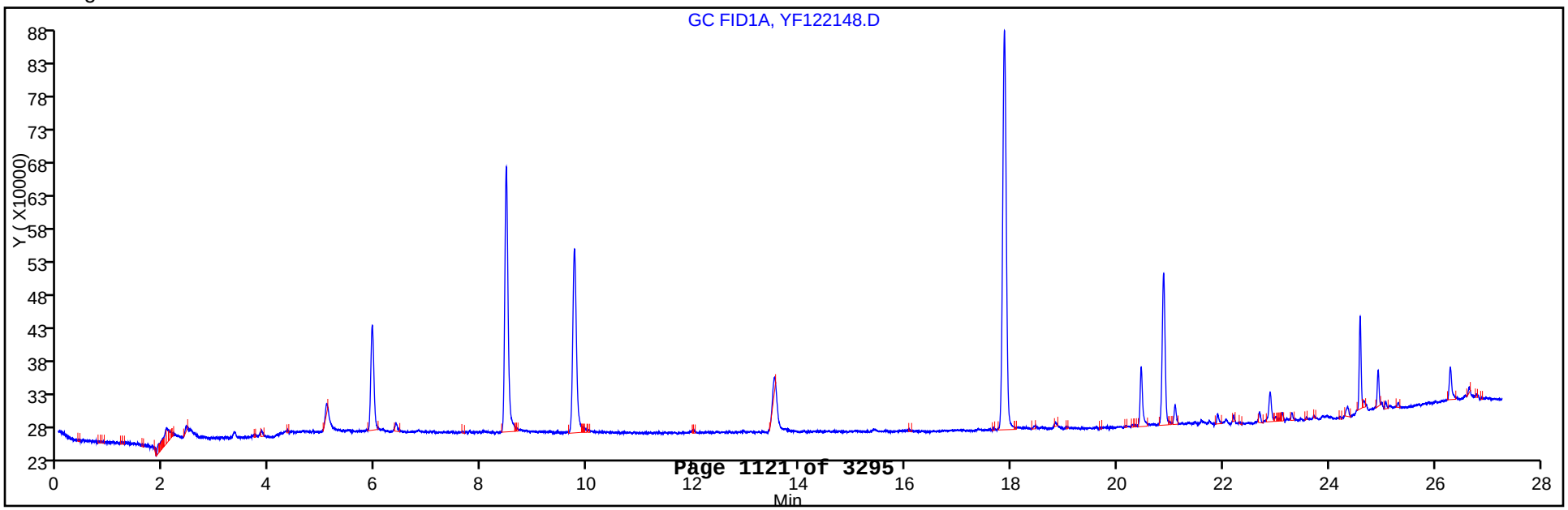
Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122148.D

Injection Date:	22-Dec-2012 16:18:51	Limit Group:	GCV 8015B GRO ICAL
Client ID:	070-0056-0001-SOURCE WATER	Instrument ID:	YPID
Lims Batch ID:	69738	Lims Sample ID:	48
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:

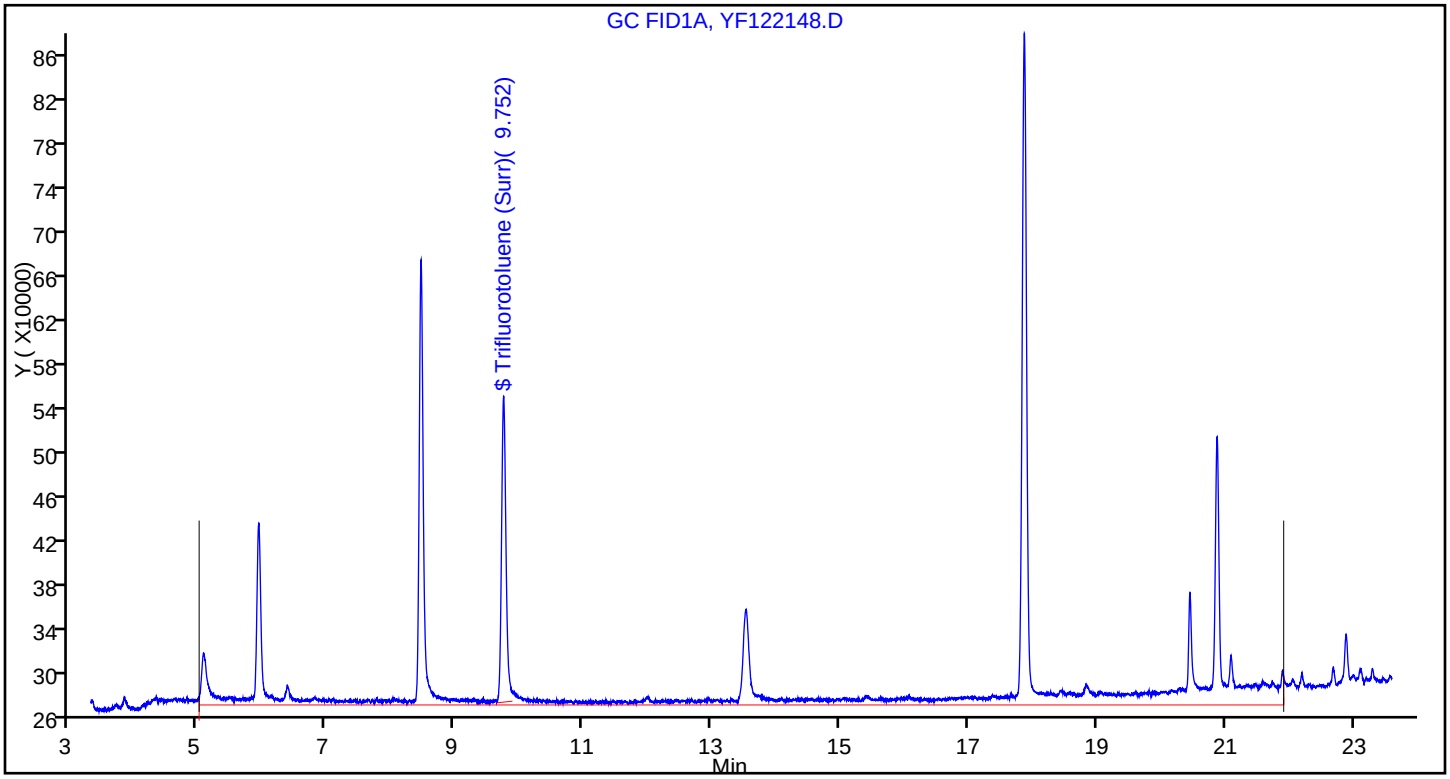


Report Date: 26-Dec-2012 15:23:32 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\YPID\20121221-16087.b\YF122148.D		
Injection Date:	22-Dec-2012 16:18:51	Limit Group:	GCV 8015B GRO ICAL
Client ID:	070-0056-0001-SOURCE WATER	Instrument ID:	YPID
Lims Batch ID:	69738	Lims Sample ID:	48
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

A 1 C6-C12, Detector: 2, GC FID1A



FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Client Sample ID: 070-0057-0001-SOURCE Lab Sample ID: 240-18735-4

Matrix: Water Lab File ID: YF122149.D

Analysis Method: 8015B Date Collected: 12/12/2012 13:15

Sample wt/vol: 5(mL) Date Analyzed: 12/22/2012 16:56

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VRX ID: 0.45(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69738 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00061	C6-C12	36	J	100	50	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	Trifluorotoluene (Surr)	84		10-150

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20121221-16087.b\YF122149.D		
Lims ID:	240-18735-B-4	Client ID:	070-0057-0001-SOURCE WATER
Inject. Date:	22-Dec-2012 16:56:19	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016087-049		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	69738	Lims Sample ID:	49
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20121221-16087.b\Y80158021.m		
Last Update:	26-Dec-2012 15:23:28	Calib Date:	27-Aug-2012 15:06:37
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.753	9.757	-0.004	1292211	8.41	
A 1 C6-C12	2	13.461	5.001 - 21.920		11612970	36.0	

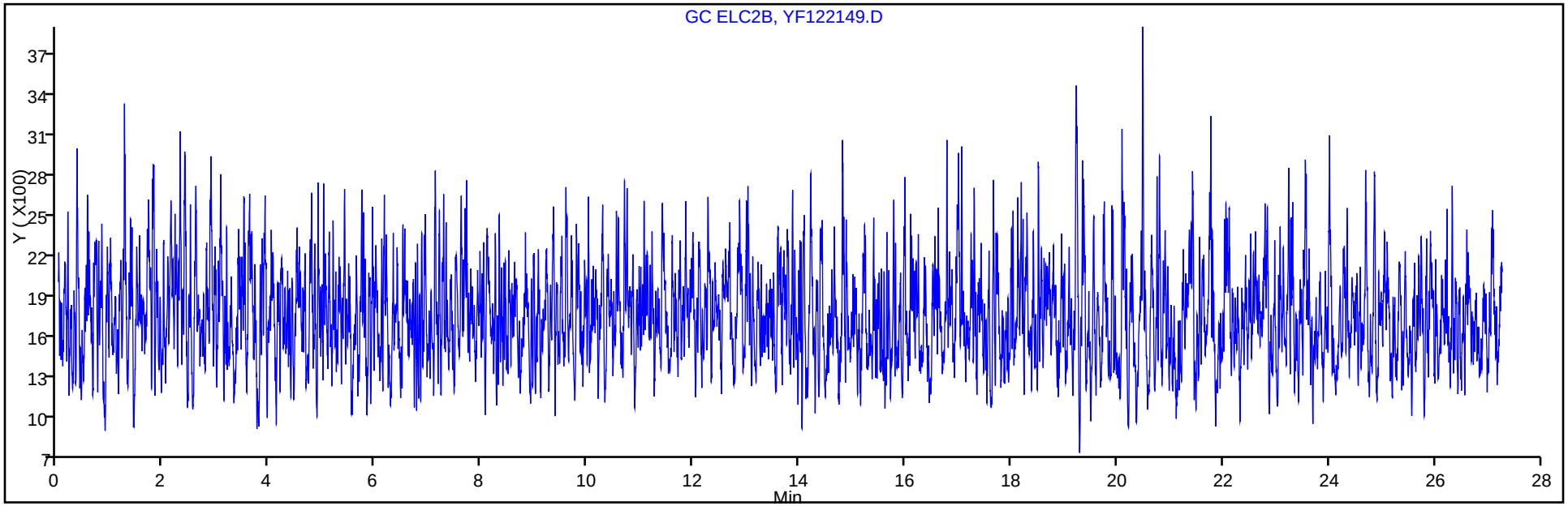
Report Date: 26-Dec-2012 15:23:33 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

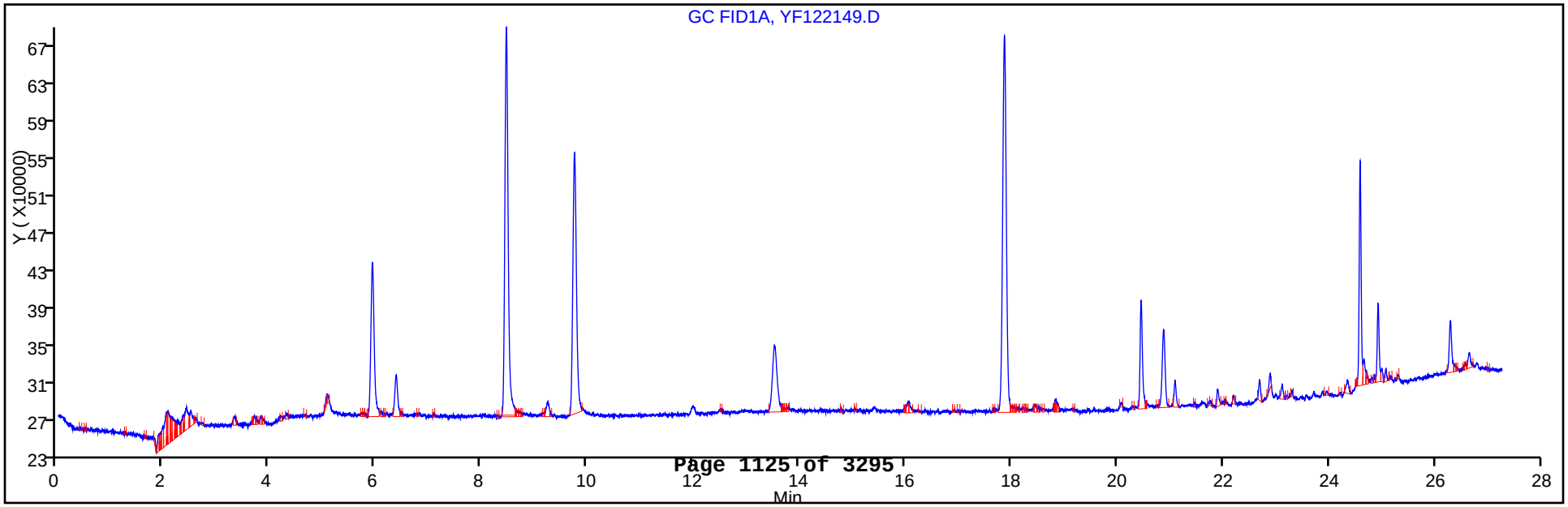
Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122149.D

Injection Date:	22-Dec-2012 16:56:19	Limit Group:	GCV 8015B GRO ICAL
Client ID:	070-0057-0001-SOURCE WATER	Instrument ID:	YPID
Lims Batch ID:	69738	Lims Sample ID:	49
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:

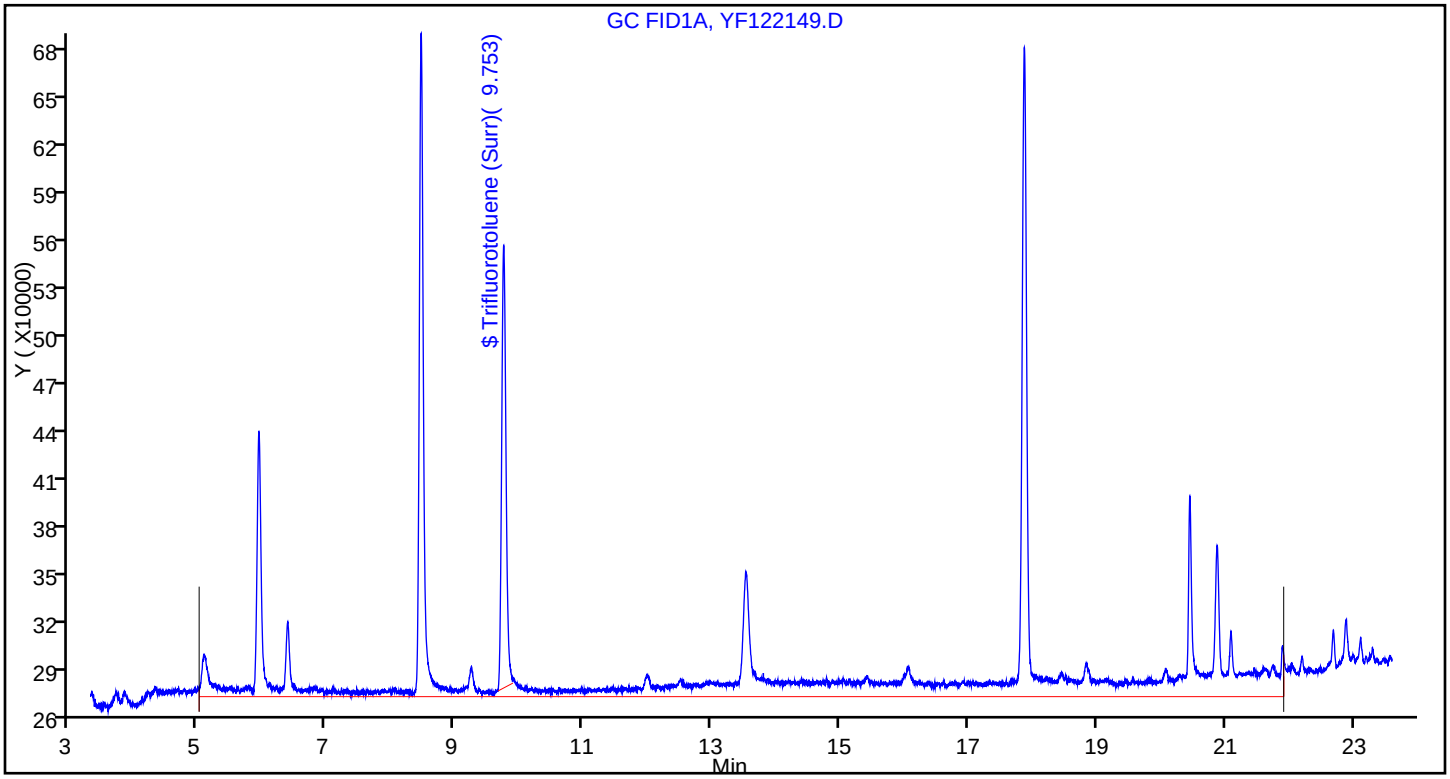


Report Date: 26-Dec-2012 15:23:33 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\YPID\20121221-16087.b\YF122149.D		
Injection Date:	22-Dec-2012 16:56:19	Limit Group:	GCV 8015B GRO ICAL
Client ID:	070-0057-0001-SOURCE WATER	Instrument ID:	YPID
Lims Batch ID:	69738	Lims Sample ID:	49
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

A 1 C6-C12, Detector: 2, GC FID1A



FORM VI
GASOLINE RANGE ORGANICS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 54511

SDG No.:

Instrument ID: YPID GC Column: RTX-VRX ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2012 18:36 Calibration End Date: 08/15/2012 22:00 Calibration ID: 10675

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-54511/6	YF081506.D
Level 2	STD2 240-54511/7	YF081507.D
Level 3	STD3 240-54511/8	YF081508.D
Level 4	STD4 240-54511/9	YF081509.D
Level 5	STD5 240-54511/10	YF081510.D
Level 6	STD6 240-54511/11	YF081511.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
C6-C10	11.760	11.760	11.760	11.760	11.760	11.760					4.755 - 18.765	11.760
C6-C12	13.426	13.426	13.426	13.426	13.426	13.426					4.855 - 21.997	13.426
Trifluorotoluene (Surr)	9.711	9.710	9.713	9.708	9.711	9.712					9.463 - 9.963	9.711

FORM VI
GASOLINE RANGE ORGANICS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 54511

SDG No.:

Instrument ID: YPID GC Column: RTX-VRX ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2012 18:36 Calibration End Date: 08/15/2012 22:00 Calibration ID: 10675

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-54511/6	YF081506.D
Level 2	STD2 240-54511/7	YF081507.D
Level 3	STD3 240-54511/8	YF081508.D
Level 4	STD4 240-54511/9	YF081509.D
Level 5	STD5 240-54511/10	YF081510.D
Level 6	STD6 240-54511/11	YF081511.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
C6-C10	183542 118119	135498 128955	126511	123496	Ave		136019.970				18.0		20.0			
C6-C12	255673 133903	170408 145976	149081	141314	Lin	6701438.48	136365.157							0.9940		0.9900
Trifluorotoluene (Surr)	136571 165376	137906 183597	145025	153818	Ave		153715.733				12.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GASOLINE RANGE ORGANICS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 54511

SDG No.:

Instrument ID: YPID GC Column: RTX-VRX ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2012 18:36 Calibration End Date: 08/15/2012 22:00 Calibration ID: 10675

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-54511/6	YF081506.D
Level 2	STD2 240-54511/7	YF081507.D
Level 3	STD3 240-54511/8	YF081508.D
Level 4	STD4 240-54511/9	YF081509.D
Level 5	STD5 240-54511/10	YF081510.D
Level 6	STD6 240-54511/11	YF081511.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
C6-C10	Ave	18354154 206328514	27099537	50604228	98796615	141742722	100 1600	200	400	800	1200
C6-C12	Lin	25567346 233562173	34081672	59632568	113051081	160683965	100 1600	200	400	800	1200
Trifluorotoluene (Surr)	Ave	1365710 1835973	1379064	1450251	1538182	1653764	10.0 10.0	10.0	10.0	10.0	10.0

Curve Type Legend:

Ave = Average
Lin = Linear

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081506.D		
Lims ID:	STD1 GAS	Client ID:	
Inject. Date:	15-Aug-2012 18:36:54	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	240-0012413-006		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	54511	Lims Sample ID:	6
Sublist:	chrom-Y80158021*sub7		
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20120815-12413.b\Y80158021.m		
Last Update:	16-Aug-2012 12:49:24	Calib Date:	15-Aug-2012 22:00:09
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081511.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Process Host:	XAWRK030		

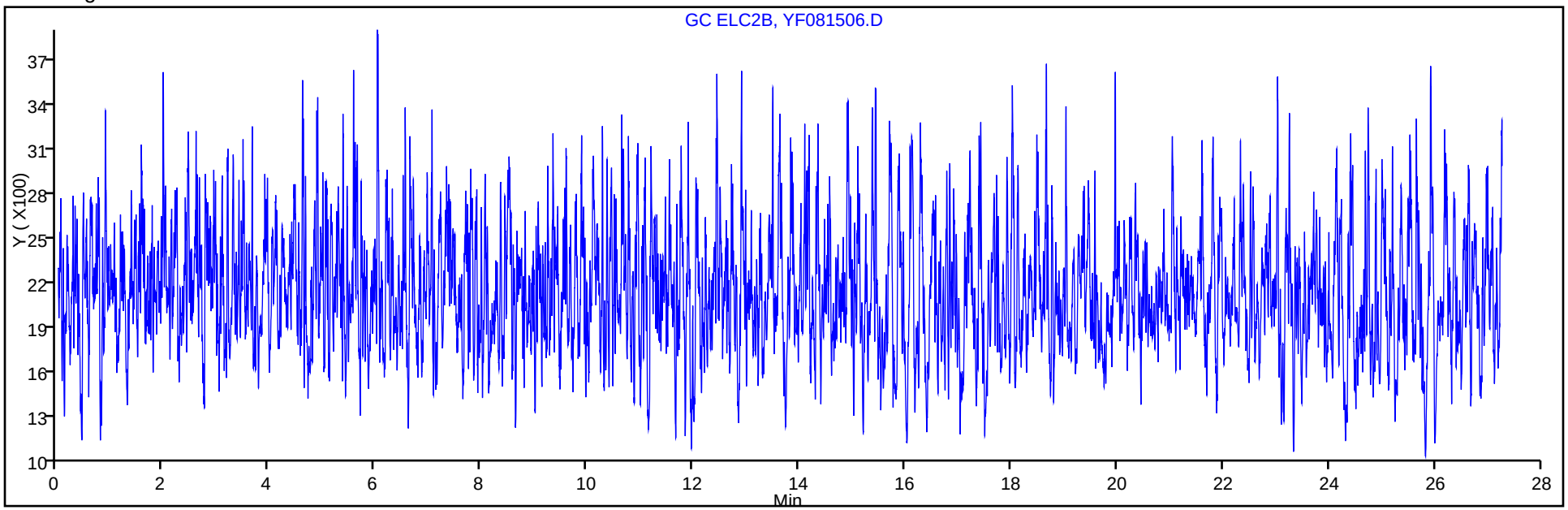
Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.477	-8.477	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.711	9.713	-0.002	1365710	8.88	
A 5 C6-C10	2	11.760	4.755 -	18.765	18354154	134.9	
A 1 C6-C12	2	13.426	4.855 -	21.997	25567346	138.3	

Report Date: 16-Aug-2012 12:49:25 Chrom Revision: 2.0 17-Jul-2012 17:32:54

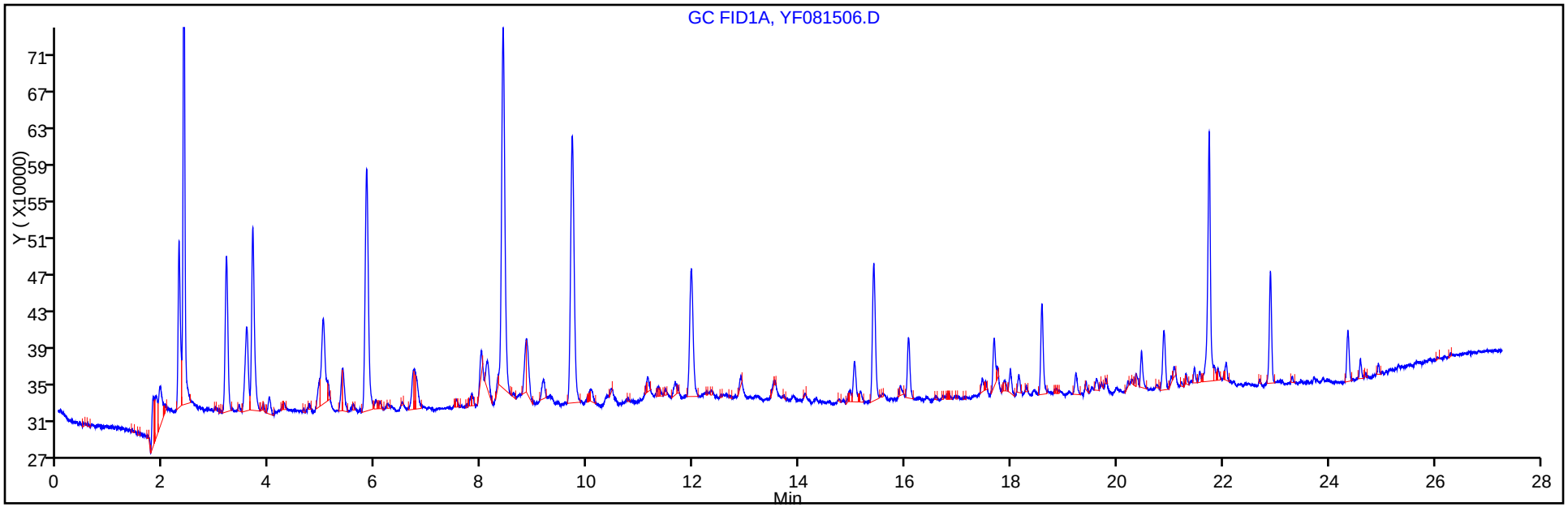
Data File: \\Ncchrom\ChromData\YPID\20120815-12413.b\YF081506.D

Injection Date:	15-Aug-2012 18:36:54	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	54511	Lims Sample ID:	6
Operator ID:	1765		

Y Scaling:



Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081507.D		
Lims ID:	STD2 GAS	Client ID:	
Inject. Date:	15-Aug-2012 19:17:42	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	240-0012413-007		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	54511	Lims Sample ID:	7
Sublist:	chrom-Y80158021*sub7		
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20120815-12413.b\Y80158021.m		
Last Update:	16-Aug-2012 12:49:28	Calib Date:	15-Aug-2012 22:00:09
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081511.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Process Host:	XAWRK030		

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.477	-8.477	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.710	9.713	-0.003	1379064	8.97	
A 5 C6-C10	2	11.760	4.755 -	18.765	27099537	199.2	
A 1 C6-C12	2	13.426	4.855 -	21.997	34081672	200.8	

Report Date: 16-Aug-2012 12:49:28 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Ncchrom\ChromData\YPID\20120815-12413.b\YF081507.D

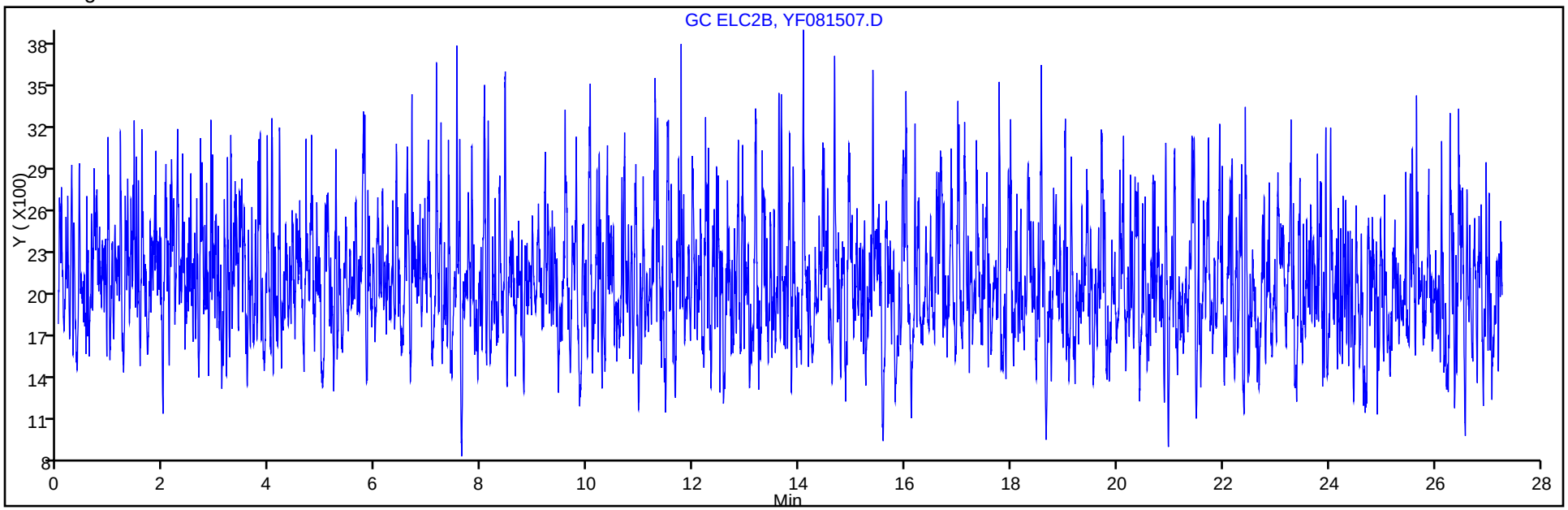
Injection Date: 15-Aug-2012 19:17:42 Limit Group: GCV 8015B GRO ICAL

Client ID: Instrument ID: YPID

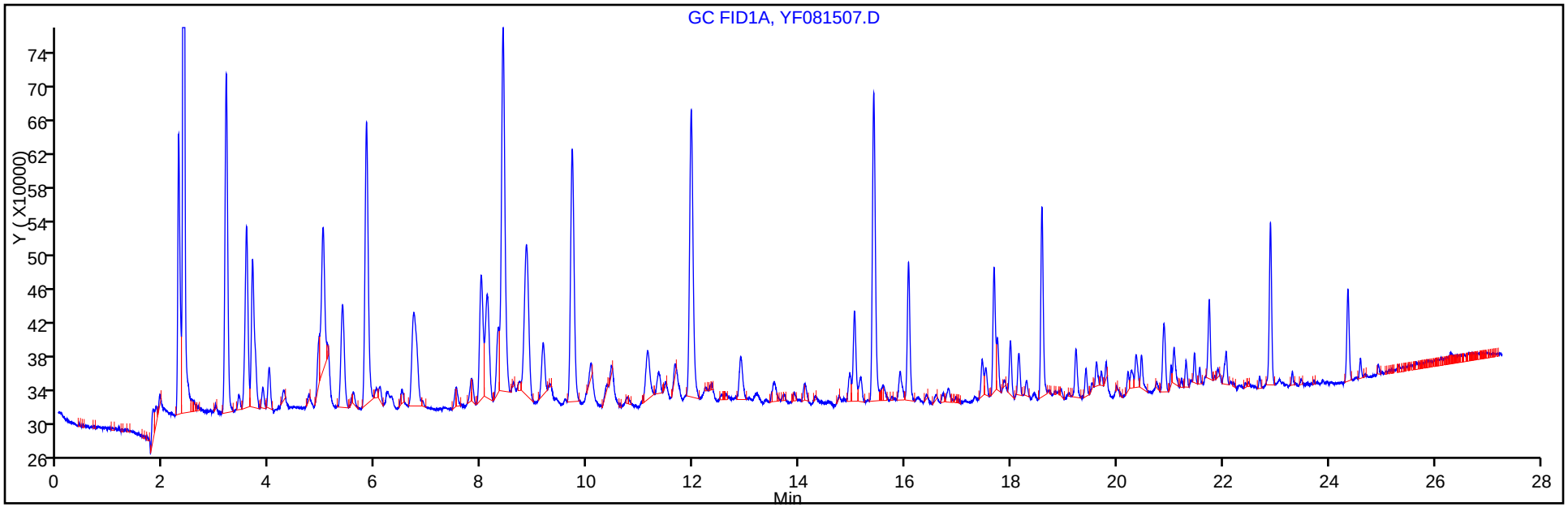
Lims Batch ID: 54511 Lims Sample ID: 7

Operator ID: 1765

Y Scaling:



Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081508.D		
Lims ID:	STD3 GAS	Client ID:	
Inject. Date:	15-Aug-2012 19:58:01	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	240-0012413-008		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	54511	Lims Sample ID:	8
Sublist:	chrom-Y80158021*sub7		
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20120815-12413.b\Y80158021.m		
Last Update:	16-Aug-2012 12:49:32	Calib Date:	15-Aug-2012 22:00:09
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081511.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Process Host:	XAWRK030		

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.477	-8.477	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.713	9.713	0.0	1450251	9.43	
A 5 C6-C10	2	11.760	4.755 -	18.765	50604228	372.0	
A 1 C6-C12	2	13.426	4.855 -	21.997	59632568	388.2	

Report Date: 16-Aug-2012 12:49:32 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Ncchrom\ChromData\YPID\20120815-12413.b\YF081508.D

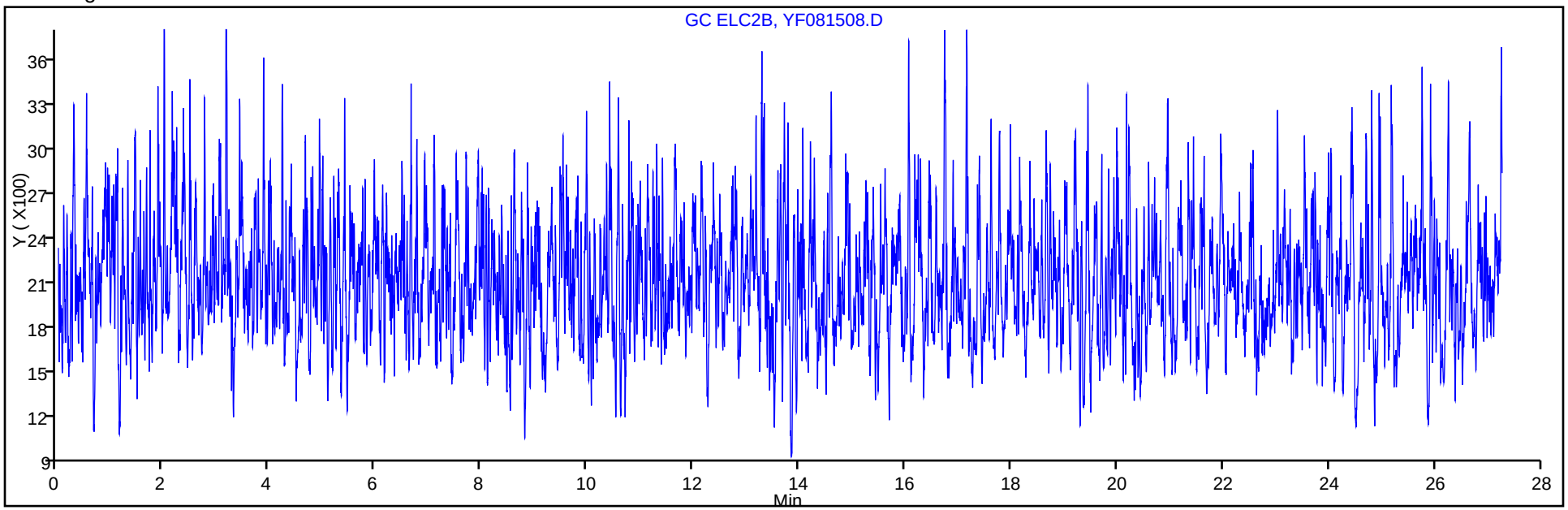
Injection Date: 15-Aug-2012 19:58:01 Limit Group: GCV 8015B GRO ICAL

Client ID: Instrument ID: YPID

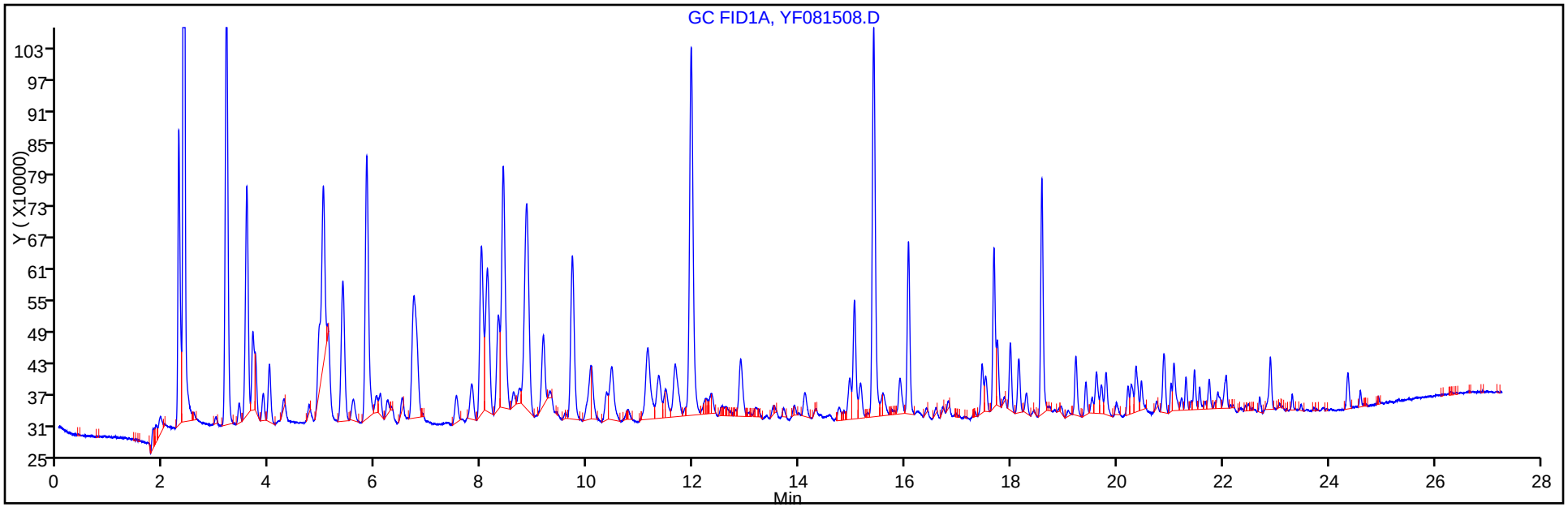
Lims Batch ID: 54511 Lims Sample ID: 8

Operator ID: 1765

Y Scaling:



Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081509.D		
Lims ID:	STD4 GAS	Client ID:	
Inject. Date:	15-Aug-2012 20:39:09	Dil. Factor:	1.0000
Sample Type:	ICRT	Calib Level:	4
Sample ID:	240-0012413-009		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	54511	Lims Sample ID:	9
Sublist:	chrom-Y80158021*sub7		
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20120815-12413.b\Y80158021.m		
Last Update:	16-Aug-2012 12:49:36	Calib Date:	15-Aug-2012 22:00:09
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081511.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Process Host:	XAWRK030		

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.477	-8.477	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.708	9.708	0.0	1538182	10.0	
A 5 C6-C10	2	11.760	4.755 -	18.765	98796615	726.3	
A 1 C6-C12	2	13.426	4.855 -	21.997	113051081	779.9	

Report Date: 16-Aug-2012 12:49:36 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Ncchrom\ChromData\YPID\20120815-12413.b\YF081509.D

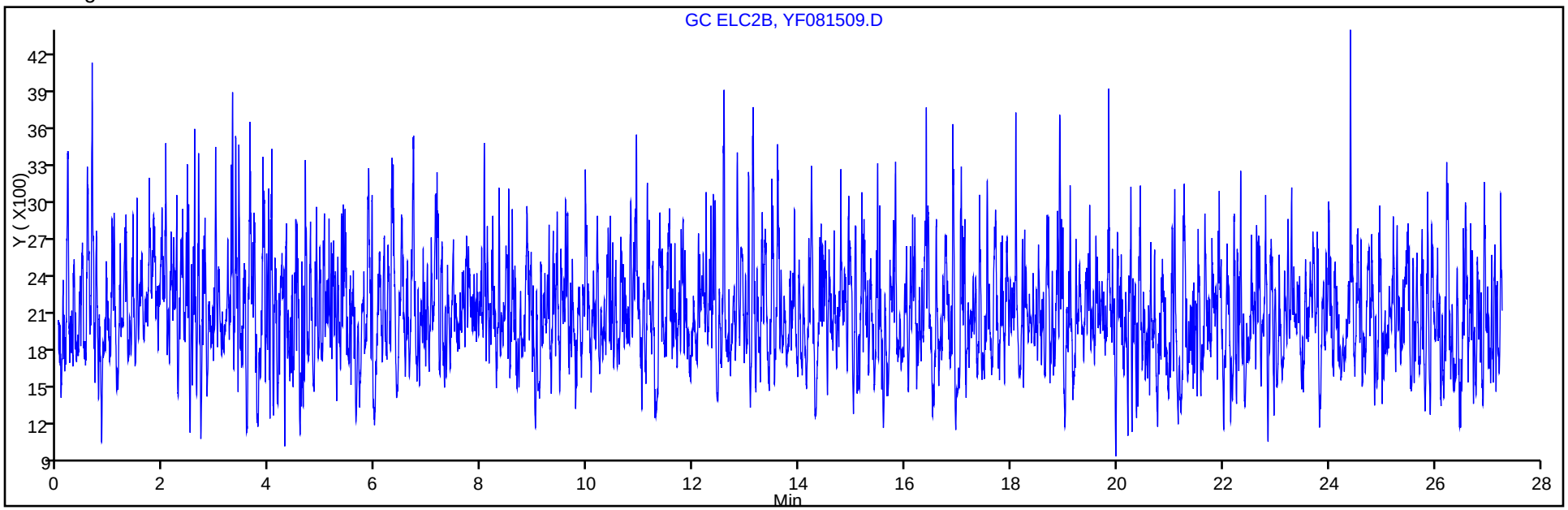
Injection Date: 15-Aug-2012 20:39:09 Limit Group: GCV 8015B GRO ICAL

Client ID: Instrument ID: YPID

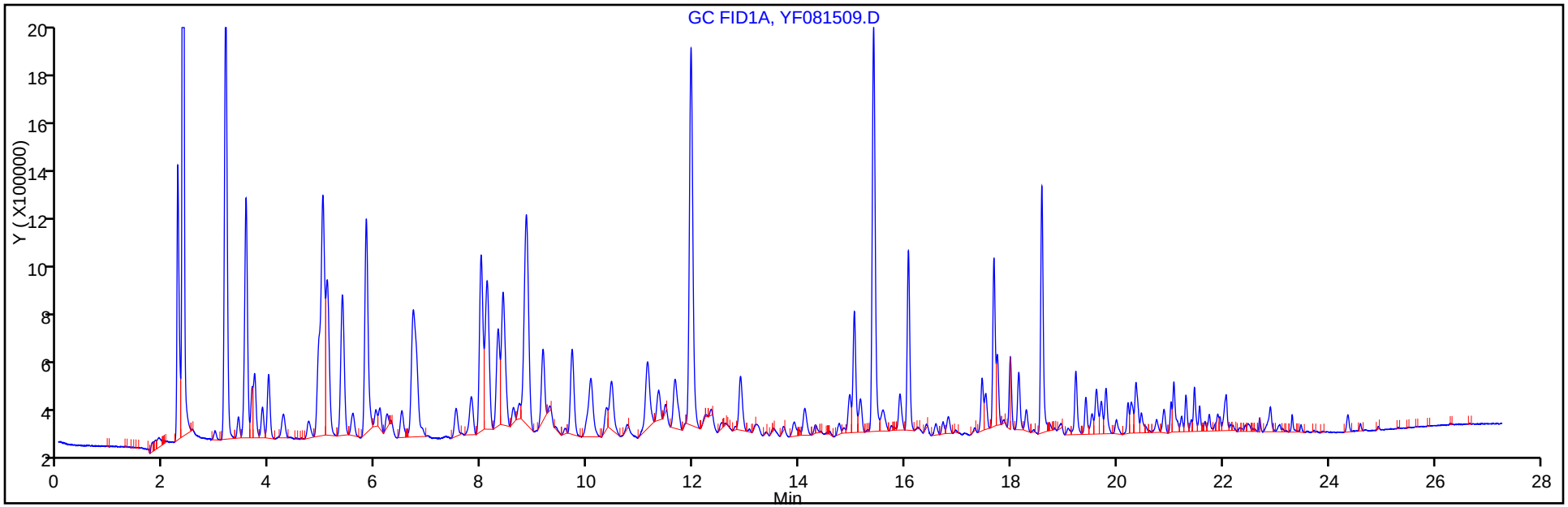
Lims Batch ID: 54511 Lims Sample ID: 9

Operator ID: 1765

Y Scaling:



Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081510.D		
Lims ID:	STD5 GAS	Client ID:	
Inject. Date:	15-Aug-2012 21:19:54	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	240-0012413-010		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	54511	Lims Sample ID:	10
Sublist:	chrom-Y80158021*sub7		
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20120815-12413.b\Y80158021.m		
Last Update:	16-Aug-2012 12:49:40	Calib Date:	15-Aug-2012 22:00:09
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081511.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Process Host:	XAWRK030		

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.477	-8.477	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.711	9.708	0.003	1653764	10.8	
A 5 C6-C10	2	11.760	4.755 -	18.765	141742722	1042.1	
A 1 C6-C12	2	13.426	4.855 -	21.997	160683965	1129.2	

Report Date: 16-Aug-2012 12:49:40 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Ncchrom\ChromData\YPID\20120815-12413.b\YF081510.D

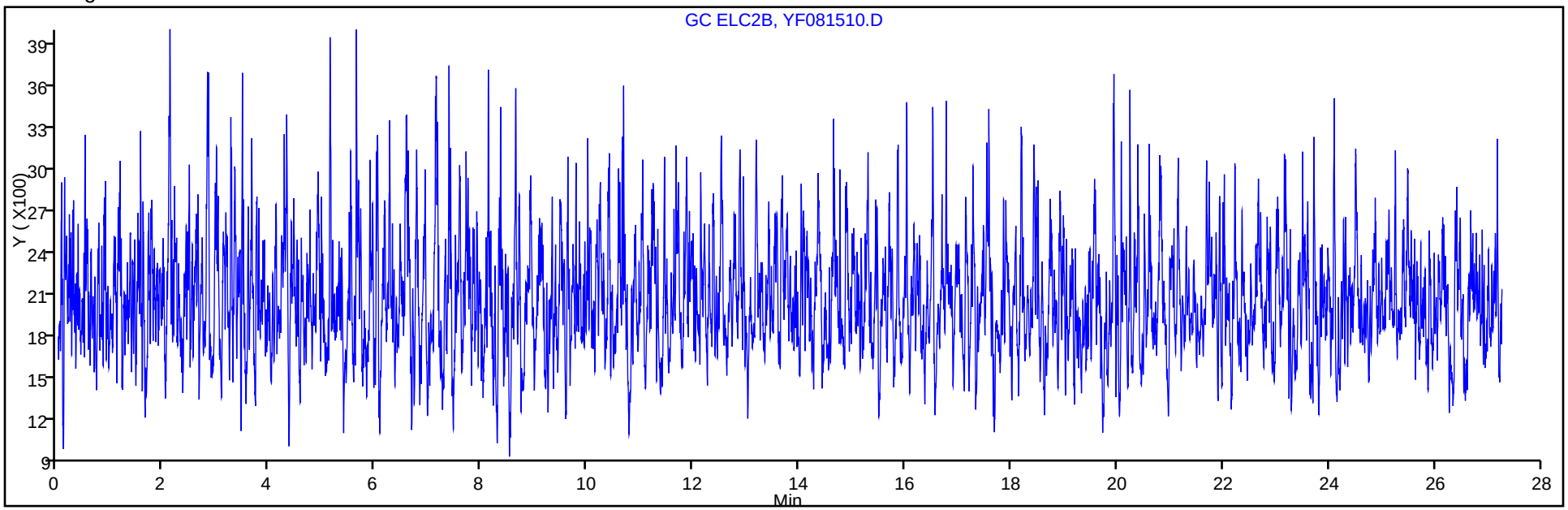
Injection Date: 15-Aug-2012 21:19:54 Limit Group: GCV 8015B GRO ICAL

Client ID: Instrument ID: YPID

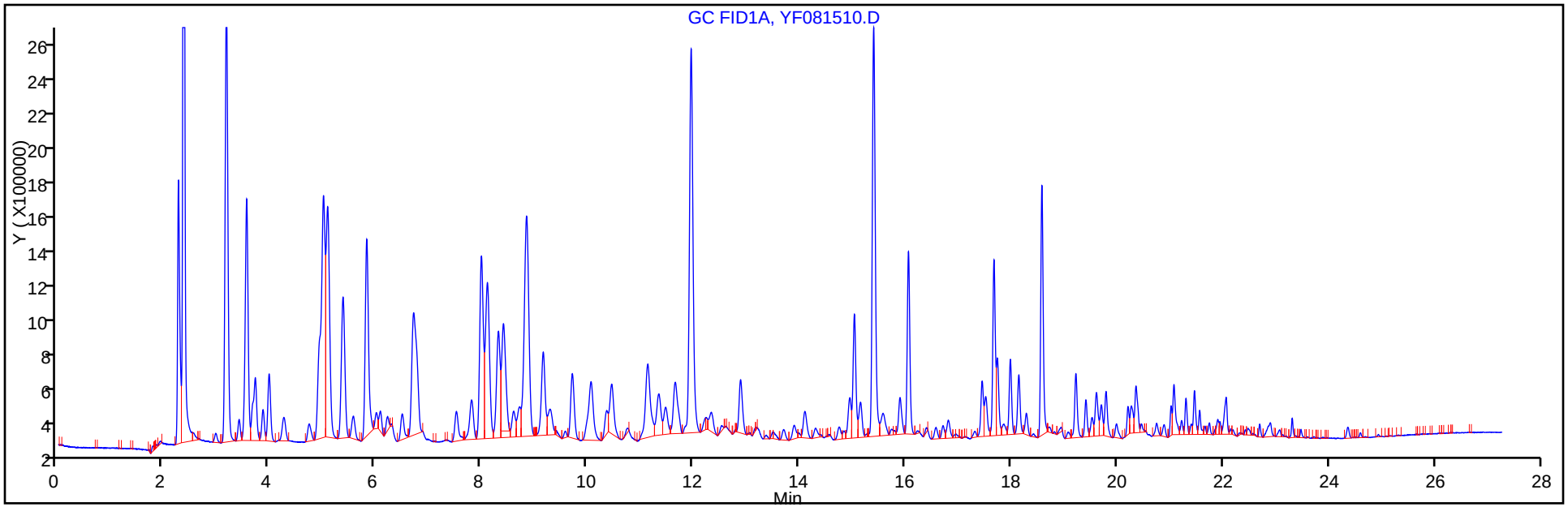
Lims Batch ID: 54511 Lims Sample ID: 10

Operator ID: 1765

Y Scaling:



Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081511.D		
Lims ID:	STD6 GAS	Client ID:	
Inject. Date:	15-Aug-2012 22:00:09	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	240-0012413-011		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	54511	Lims Sample ID:	11
Sublist:	chrom-Y80158021*sub7		
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20120815-12413.b\Y80158021.m		
Last Update:	16-Aug-2012 12:49:43	Calib Date:	15-Aug-2012 22:00:09
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081511.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Process Host:	XAWRK030		

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.477	-8.477	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.712	9.708	0.004	1835973	11.9	
A 5 C6-C10	2	11.760	4.755 -	18.765	206328514	1516.9	
A 1 C6-C12	2	13.426	4.855 -	21.997	233562173	1663.6	

Report Date: 16-Aug-2012 12:49:44 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Ncchrom\ChromData\YPID\20120815-12413.b\YF081511.D

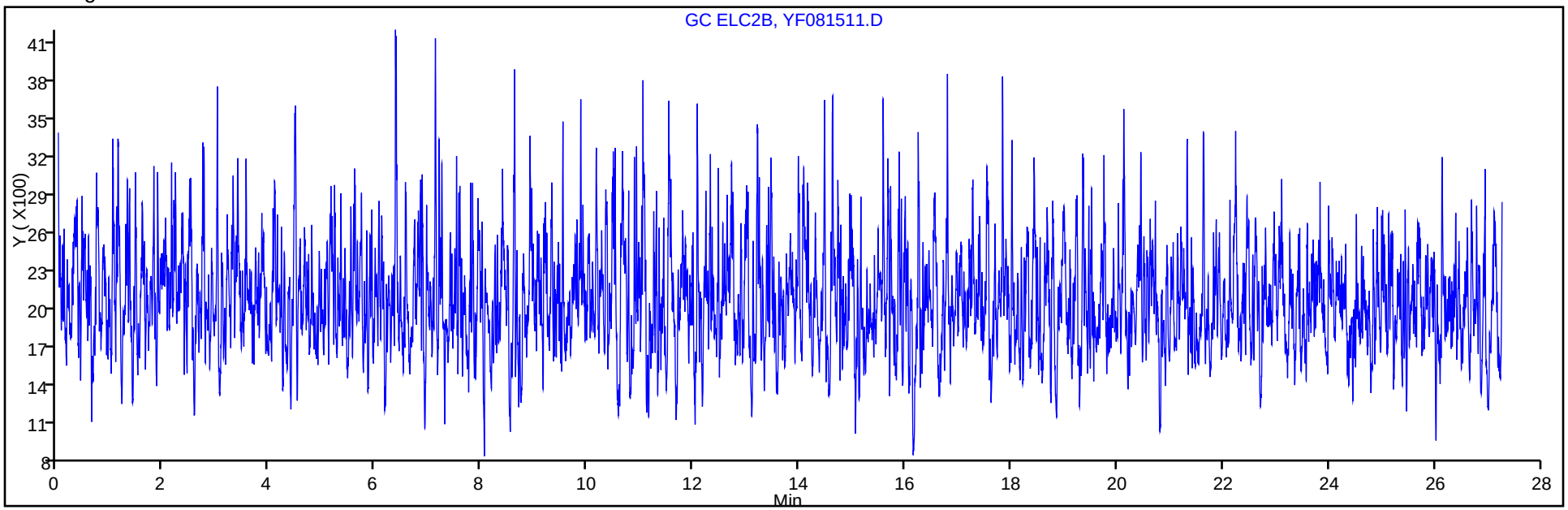
Injection Date: 15-Aug-2012 22:00:09 Limit Group: GCV 8015B GRO ICAL

Client ID: Instrument ID: YPID

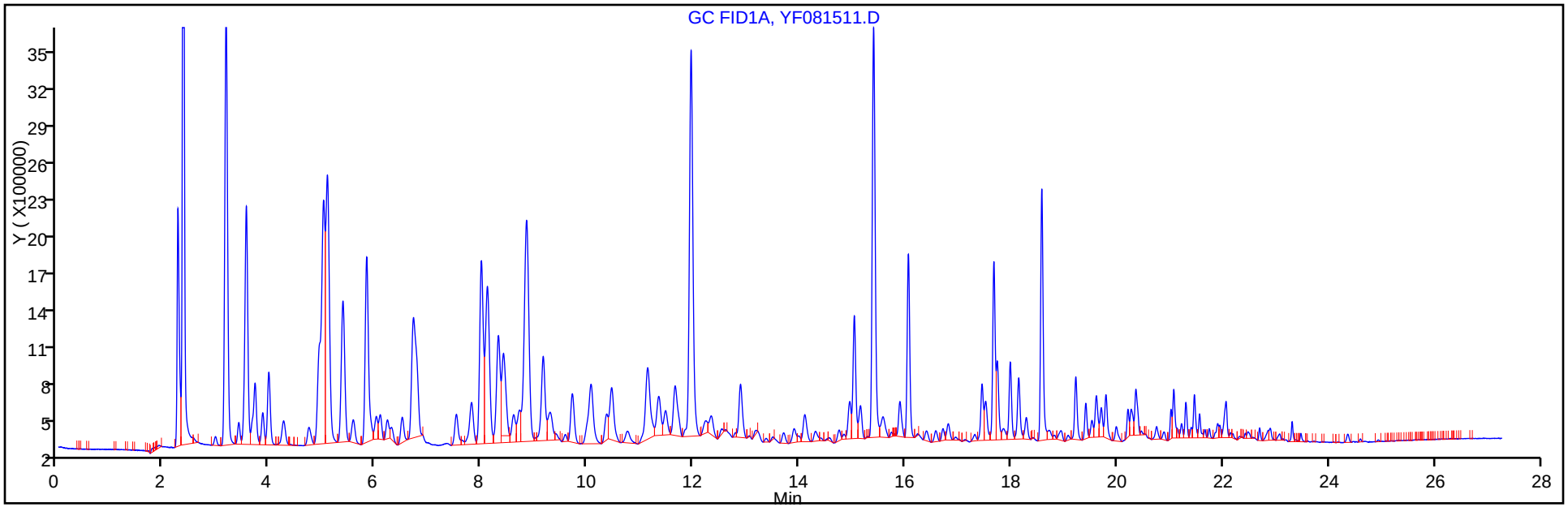
Lims Batch ID: 54511 Lims Sample ID: 11

Operator ID: 1765

Y Scaling:



Y Scaling:



FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-54511/12 Calibration Date: 08/15/2012 22:40

Instrument ID: YPID Calib Start Date: 08/15/2012 18:36

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 08/15/2012 22:00

Lab File ID: YF081512.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C6-C10	Ave	136020	146461		861	800	7.7	20.0
C6-C12	Lin		171870		959	800	19.9	20.0
Trifluorotoluene (Surr)	Ave	153716	157910		10.3	10.0	2.7	20.0

FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-54511/12 Calibration Date: 08/15/2012 22:40

Instrument ID: YPID Calib Start Date: 08/15/2012 18:36

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 08/15/2012 22:00

Lab File ID: YF081512.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
C6-C10	11.76	4.76	18.77
C6-C12	13.43	4.86	22.00
Trifluorotoluene (Surr)	9.72	9.46	9.96

Report Date: 16-Aug-2012 12:49:48 Chrom Revision: 2.0 17-Jul-2012 17:32:54

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081512.D		
Lims ID:	ICV GAS	Client ID:	
Inject. Date:	15-Aug-2012 22:40:41	Dil. Factor:	1.0000
Sample Type:	ICV		
Sample ID:	240-0012413-012		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	54511	Lims Sample ID:	12
Sublist:			
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20120815-12413.b\Y80158021.m		
Last Update:	16-Aug-2012 12:49:43	Calib Date:	15-Aug-2012 22:00:09
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081511.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Process Host:	XAWRK030		

First Level Reviewer: bolgrind Date: 16-Aug-2012 08:25:42

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.477	-8.477	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.715	9.708	0.007	1579095	10.3	
A 5 C6-C10	2	11.760	4.755 -	18.765	117168930	861.4	
A 1 C6-C12	2	13.426	4.855 -	21.997	137496376	959.2	

Report Date: 16-Aug-2012 12:49:48 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Ncchrom\ChromData\YPID\20120815-12413.b\YF081512.D

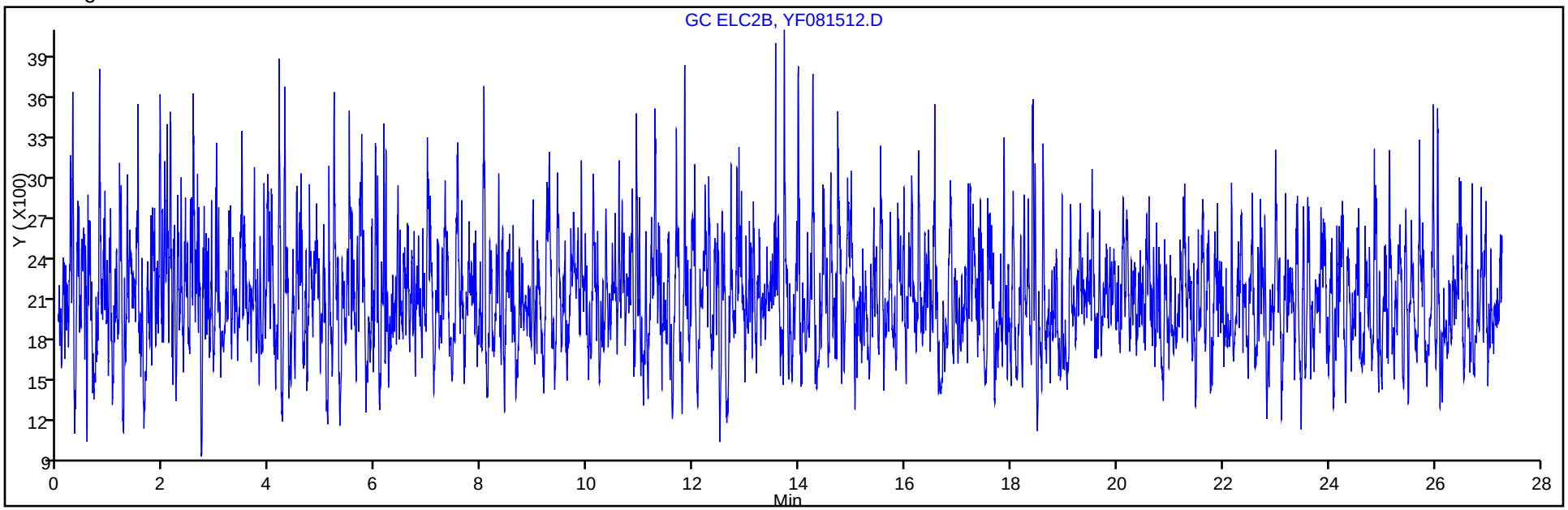
Injection Date: 15-Aug-2012 22:40:41 Limit Group: GCV 8015B GRO ICAL

Client ID: Instrument ID: YPID

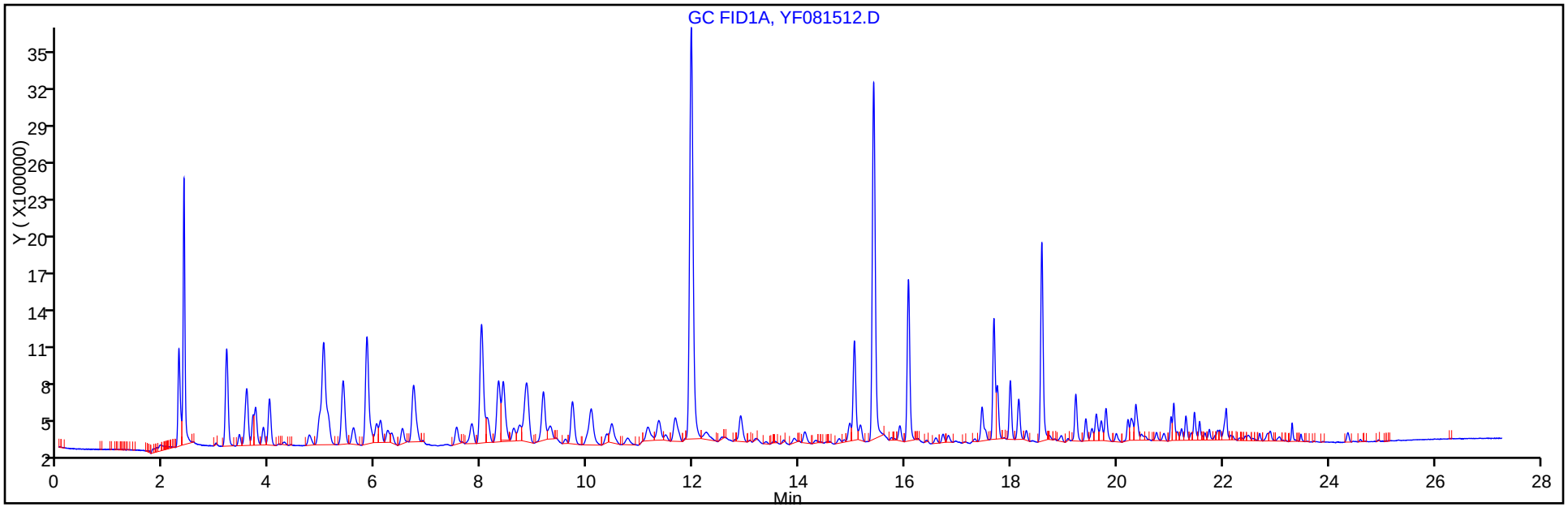
Lims Batch ID: 54511 Lims Sample ID: 12

Operator ID: 1765

Y Scaling:



Y Scaling:



FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-69738/5 Calibration Date: 12/21/2012 13:05

Instrument ID: YPID Calib Start Date: 08/15/2012 18:36

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 08/15/2012 22:00

Lab File ID: YF122105.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C6-C10	Ave	136020	129576		762	800	-4.7	15.0
C6-C12	Lin		146585		811	800	1.4	15.0
Trifluorotoluene (Surr)	Ave	153716	149144		9.70	10.0	-3.0	15.0

FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-69738/5 Calibration Date: 12/21/2012 13:05

Instrument ID: YPID Calib Start Date: 08/15/2012 18:36

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 08/15/2012 22:00

Lab File ID: YF122105.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
C6-C10	11.83	4.90	18.76
C6-C12	13.46	5.00	21.92
Trifluorotoluene (Surr)	9.76	9.51	10.01

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20121221-16087.b\YF122105.D		
Lims ID:	CCV GAS	Client ID:	
Inject. Date:	21-Dec-2012 13:05:41	Dil. Factor:	1.0000
Sample Type:	CCVRT		
Sample ID:	240-0016087-005		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	69738	Lims Sample ID:	5
Sublist:	chrom-Y80158021*sub7		
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20121221-16087.b\Y80158021.m		
Last Update:	26-Dec-2012 15:17:27	Calib Date:	27-Aug-2012 15:06:37
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.757	9.757	0.0	1491435	9.70	
A 5 C6-C10	2	11.831	4.901 -	18.760	103660780	762.1	
A 1 C6-C12	2	13.461	5.001 -	21.920	117268370	810.8	

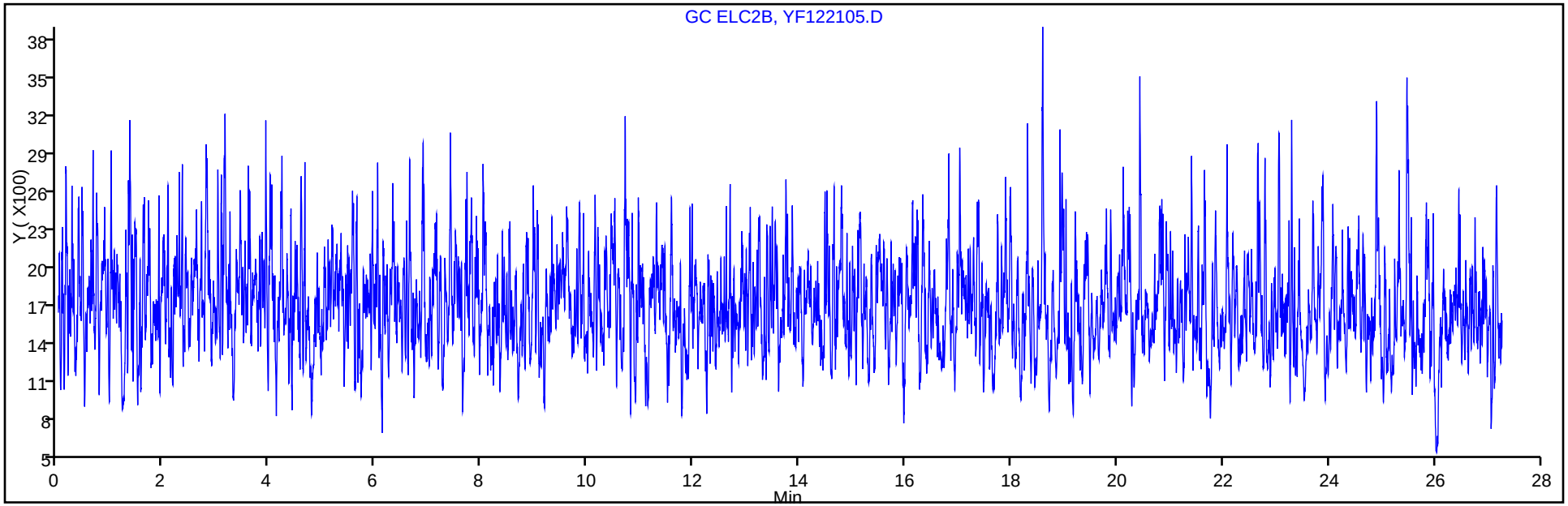
Report Date: 26-Dec-2012 15:17:28 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

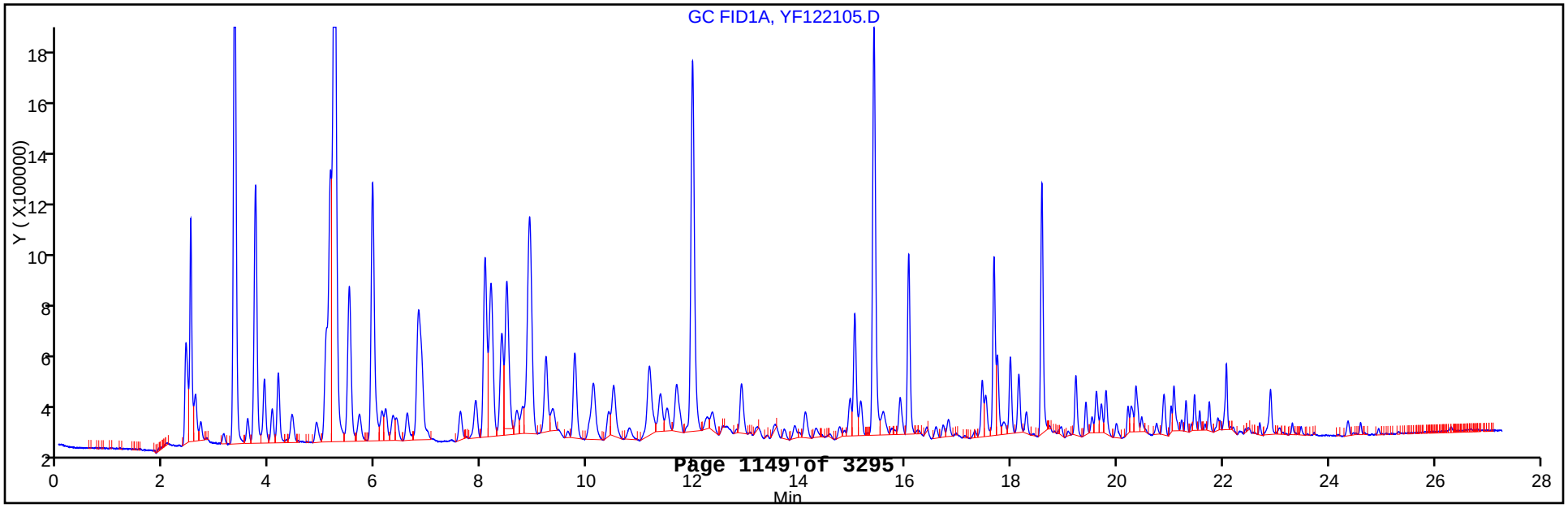
Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122105.D

Injection Date:	21-Dec-2012 13:05:41	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	69738	Lims Sample ID:	5
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-69738/10 Calibration Date: 12/21/2012 16:14

Instrument ID: YPID Calib Start Date: 08/15/2012 18:36

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 08/15/2012 22:00

Lab File ID: YF122110.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C6-C10	Ave	136020	123929		729	800	-8.9	15.0
C6-C12	Lin		143680		794	800	-0.8	15.0
Trifluorotoluene (Surr)	Ave	153716	150916		9.82	10.0	-1.8	15.0

FORM VII

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-69738/10 Calibration Date: 12/21/2012 16:14

Instrument ID: YPID Calib Start Date: 08/15/2012 18:36

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 08/15/2012 22:00

Lab File ID: YF122110.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
C6-C10	11.83	4.90	18.76
C6-C12	13.46	5.00	21.92
Trifluorotoluene (Surr)	9.76	9.51	10.01

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122110.D
Lims ID: CCV GAS Client ID:
Inject. Date: 21-Dec-2012 16:14:02 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016087-010
Misc. Info.:
Operator: 1765 Instrument ID: YPID
Purge Vol: 5.000 mL ALS Bottle#: 1
Lims Batch ID: 69738 Lims Sample ID: 10
Sublist: chrom-Y80158021*sub7
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\YPID\20121221-16087.b\Y80158021.m
Last Update: 26-Dec-2012 15:17:34 Calib Date: 27-Aug-2012 15:06:37
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D
Limit Group: GCV 8015B GRO ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

First Level Reviewer: bosworthh Date: 22-Dec-2012 08:33:51

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.760	9.760	0.0	1509159	9.82	
A 5 C6-C10	2	11.831	4.901 -	18.760	99143059	728.9	
A 1 C6-C12	2	13.461	5.001 -	21.920	114944011	793.8	

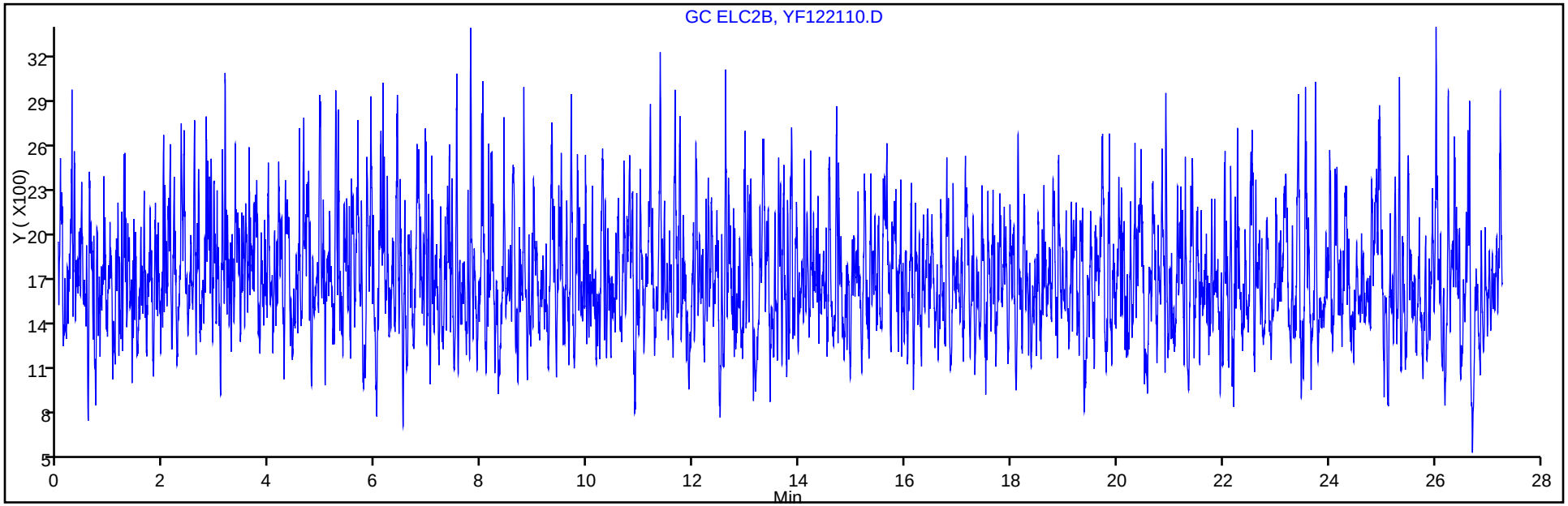
Report Date: 26-Dec-2012 15:17:35 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

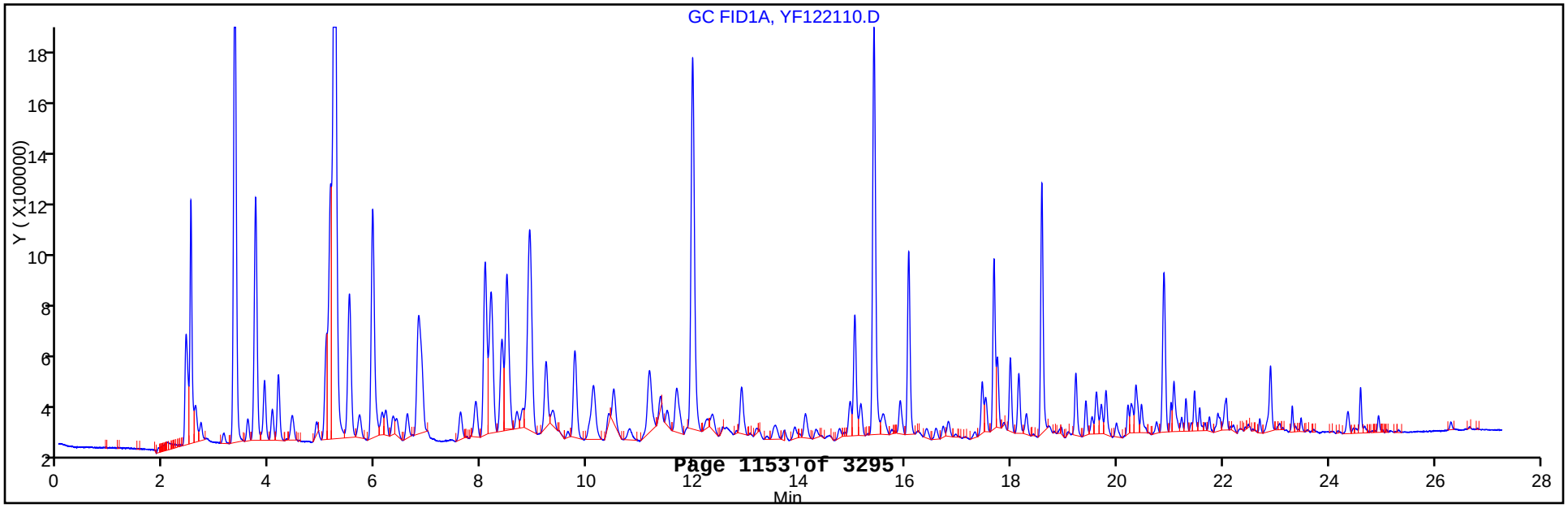
Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122110.D

Injection Date:	21-Dec-2012 16:14:02	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	69738	Lims Sample ID:	10
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-69738/34 Calibration Date: 12/22/2012 07:30

Instrument ID: YPID Calib Start Date: 08/15/2012 18:36

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 08/15/2012 22:00

Lab File ID: YF122134.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C6-C10	Ave	136020	122012		718	800	-10.3	15.0
C6-C12	Lin		139088		767	800	-4.1	15.0
Trifluorotoluene (Surr)	Ave	153716	139932		9.10	10.0	-9.0	15.0

FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-69738/34 Calibration Date: 12/22/2012 07:30

Instrument ID: YPID Calib Start Date: 08/15/2012 18:36

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 08/15/2012 22:00

Lab File ID: YF122134.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
C6-C10	11.83	4.90	18.76
C6-C12	13.46	5.00	21.92
Trifluorotoluene (Surr)	9.76	9.51	10.01

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20121221-16087.b\YF122134.D		
Lims ID:	CCV GAS	Client ID:	
Inject. Date:	22-Dec-2012 07:30:57	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0016087-034		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	69738	Lims Sample ID:	34
Sublist:	chrom-Y80158021*sub7		
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20121221-16087.b\Y80158021.m		
Last Update:	26-Dec-2012 15:18:08	Calib Date:	27-Aug-2012 15:06:37
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.759	9.759	0.0	1399315	9.10	
A 5 C6-C10	2	11.831	4.901 -	18.760	97609915	717.6	
A 1 C6-C12	2	13.461	5.001 -	21.920	111270285	766.8	

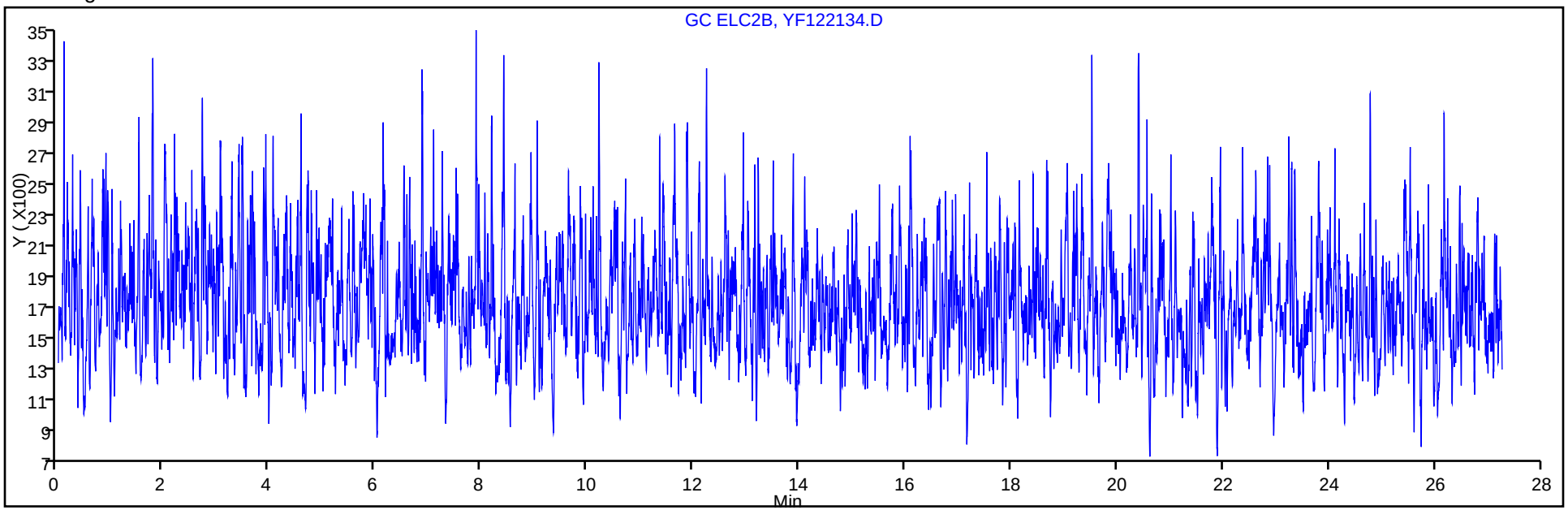
Report Date: 26-Dec-2012 15:18:09 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

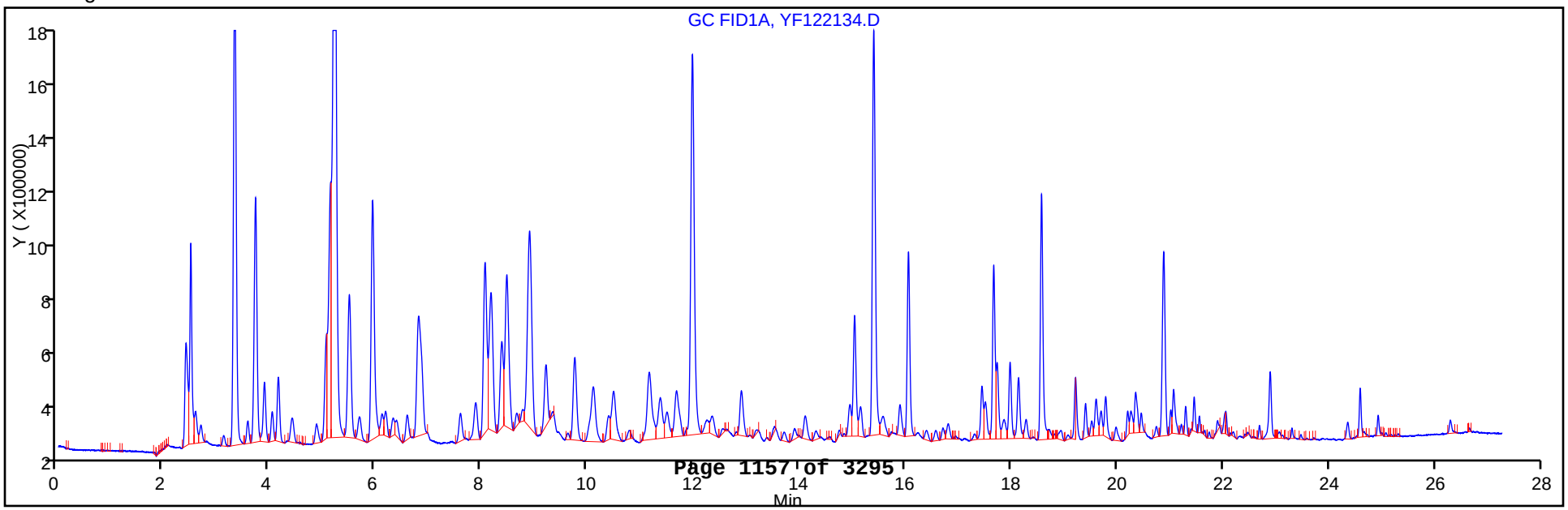
Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122134.D

Injection Date:	22-Dec-2012 07:30:57	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	69738	Lims Sample ID:	34
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-69738/45 Calibration Date: 12/22/2012 14:25

Instrument ID: YPID Calib Start Date: 08/15/2012 18:36

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 08/15/2012 22:00

Lab File ID: YF122145.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C6-C10	Ave	136020	120381		708	800	-11.5	15.0
C6-C12	Lin		135638		747	800	-6.7	15.0
Trifluorotoluene (Surr)	Ave	153716	149182		9.71	10.0	-2.9	15.0

FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-69738/45 Calibration Date: 12/22/2012 14:25

Instrument ID: YPID Calib Start Date: 08/15/2012 18:36

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 08/15/2012 22:00

Lab File ID: YF122145.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
C6-C10	11.83	4.90	18.76
C6-C12	13.46	5.00	21.92
Trifluorotoluene (Surr)	9.76	9.51	10.01

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20121221-16087.b\YF122145.D		
Lims ID:	CCV GAS	Client ID:	
Inject. Date:	22-Dec-2012 14:25:29	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0016087-045		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	69738	Lims Sample ID:	45
Sublist:	chrom-Y80158021*sub7		
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20121221-16087.b\Y80158021.m		
Last Update:	26-Dec-2012 15:23:28	Calib Date:	27-Aug-2012 15:06:37
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.757	9.757	0.0	1491818	9.71	
A 5 C6-C10	2	11.831	4.901 -	18.760	96304427	708.0	
A 1 C6-C12	2	13.461	5.001 -	21.920	108510319	746.6	

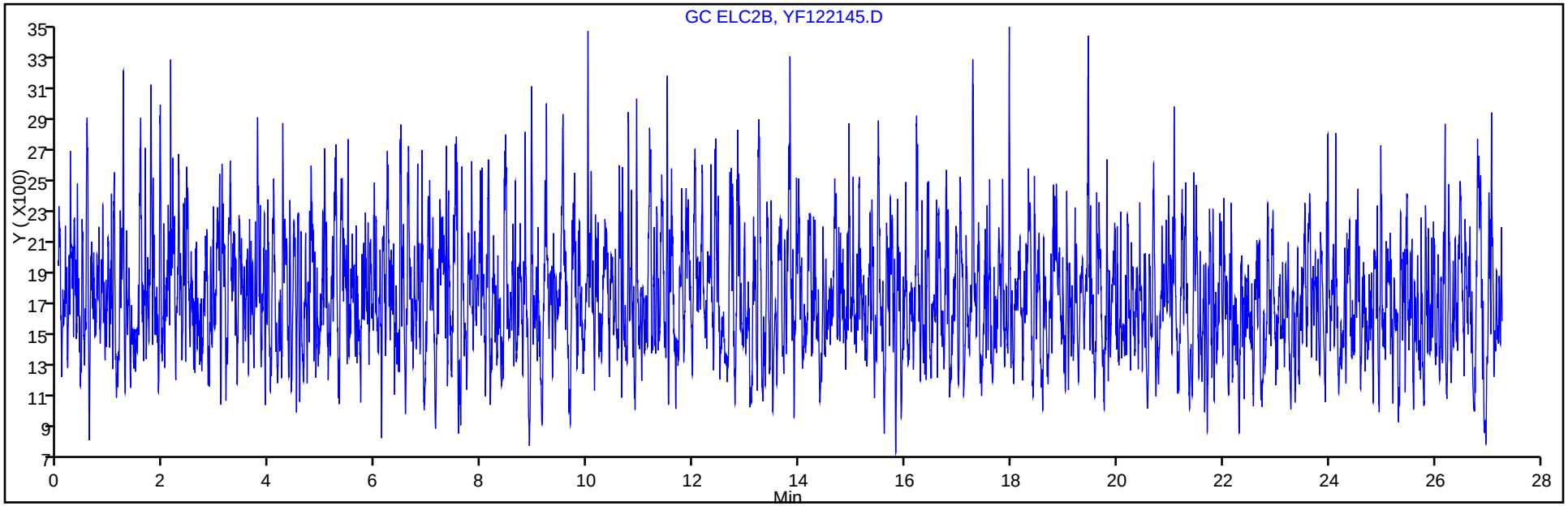
Report Date: 26-Dec-2012 15:23:28 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

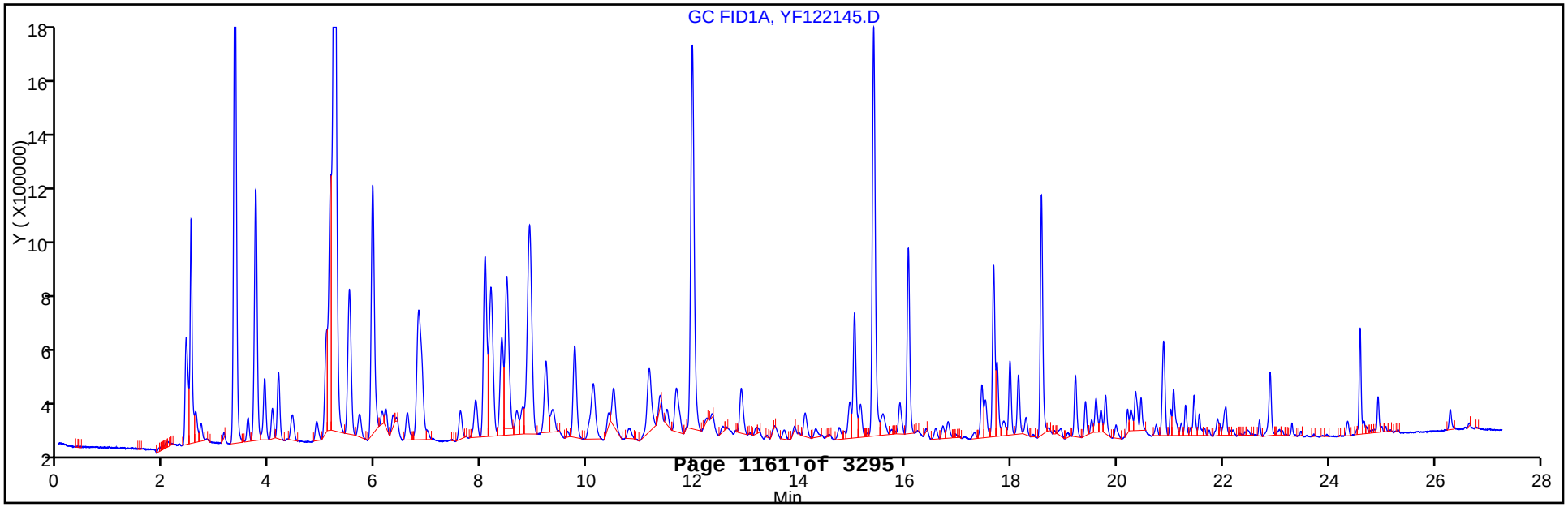
Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122145.D

Injection Date:	22-Dec-2012 14:25:29	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	69738	Lims Sample ID:	45
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-69738/50 Calibration Date: 12/22/2012 17:35

Instrument ID: YPID Calib Start Date: 08/15/2012 18:36

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 08/15/2012 22:00

Lab File ID: YF122150.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C6-C10	Ave	136020	119977		706	800	-11.8	15.0
C6-C12	Lin		134136		738	800	-7.8	15.0
Trifluorotoluene (Surr)	Ave	153716	144969		9.43	10.0	-5.7	15.0

FORM VII

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-69738/50 Calibration Date: 12/22/2012 17:35

Instrument ID: YPID Calib Start Date: 08/15/2012 18:36

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 08/15/2012 22:00

Lab File ID: YF122150.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
C6-C10	11.83	4.90	18.76
C6-C12	13.46	5.00	21.92
Trifluorotoluene (Surr)	9.76	9.51	10.01

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122150.D
Lims ID: CCV GAS
Client ID:
Inject. Date: 22-Dec-2012 17:35:13
Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016087-050
Misc. Info.:
Operator: 1765
Instrument ID: YPID
Purge Vol: 5.000 mL
ALS Bottle#: 1
Lims Batch ID: 69738
Lims Sample ID: 50
Sublist: chrom-Y80158021*sub7
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\YPID\20121221-16087.b\Y80158021.m
Last Update: 26-Dec-2012 15:23:34
Calib Date: 27-Aug-2012 15:06:37
Quant Method: Internal/External Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D
Limit Group: GCV 8015B GRO ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK003

First Level Reviewer: bosworthh
Date: 24-Dec-2012 06:47:10

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.756	9.756	0.0	1449688	9.43	M
A 5 C6-C10	2	11.831	4.901 -	18.760	95981288	705.6	
A 1 C6-C12	2	13.461	5.001 -	21.920	107309195	737.8	

QC Flag Legend

Review Flags
M - Manually Integrated

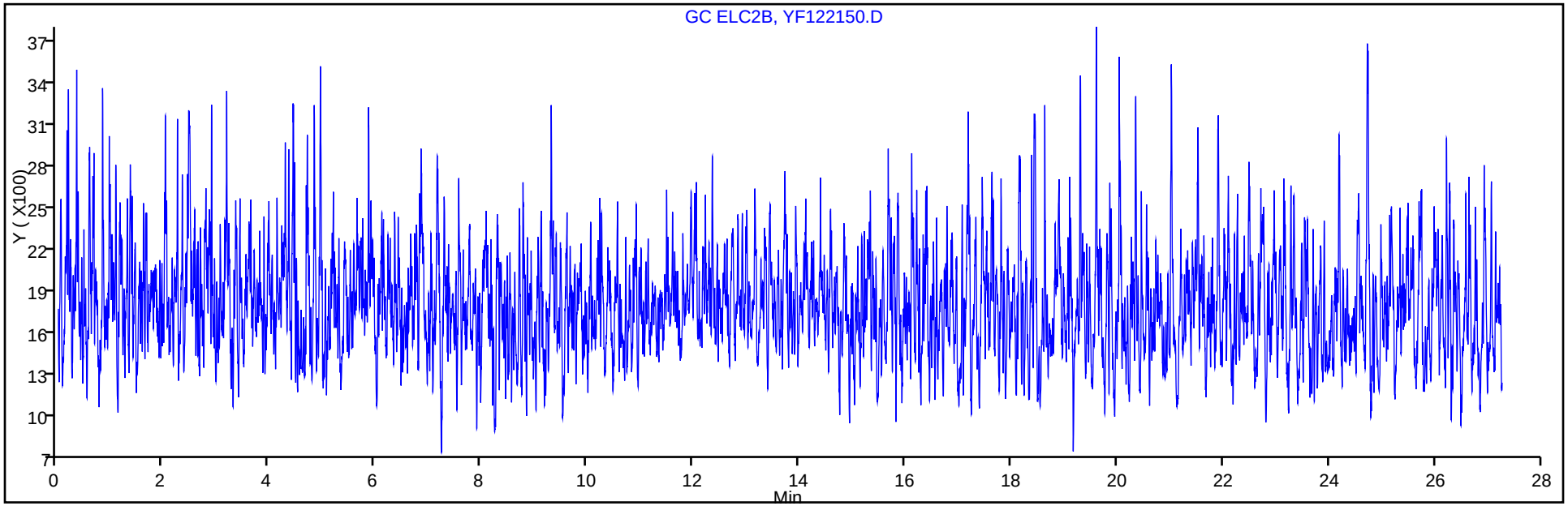
Report Date: 26-Dec-2012 15:23:34 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

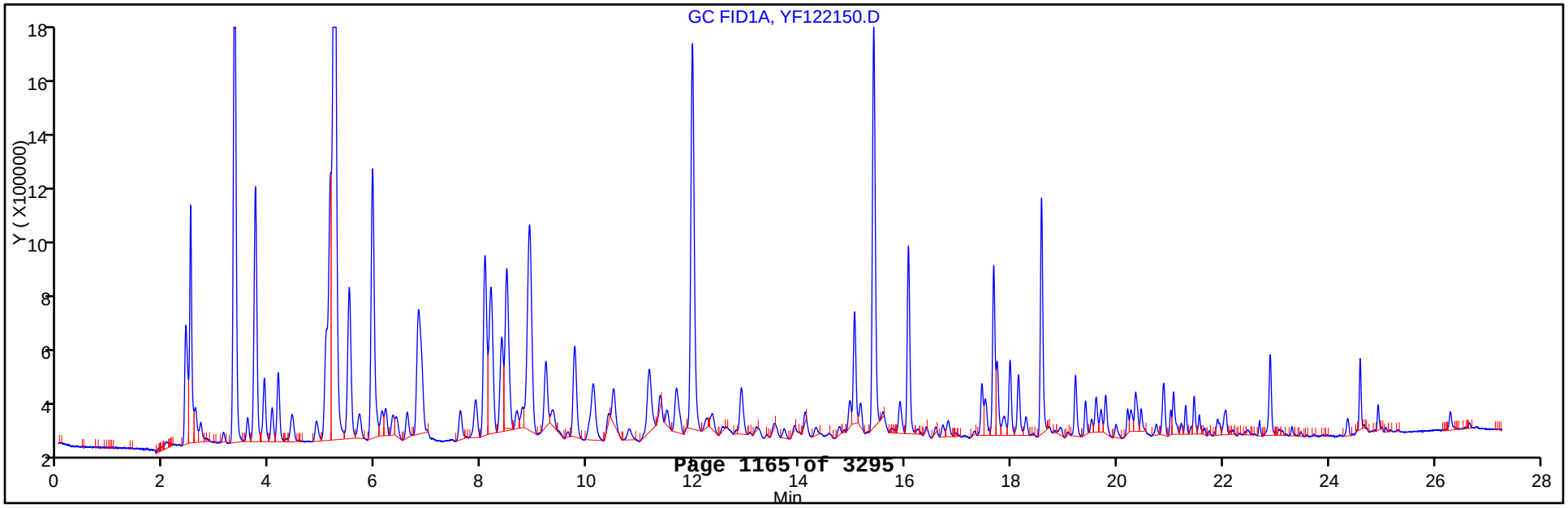
Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122150.D

Injection Date:	22-Dec-2012 17:35:13	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	69738	Lims Sample ID:	50
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



Manual Integration/User Assign Peak Report

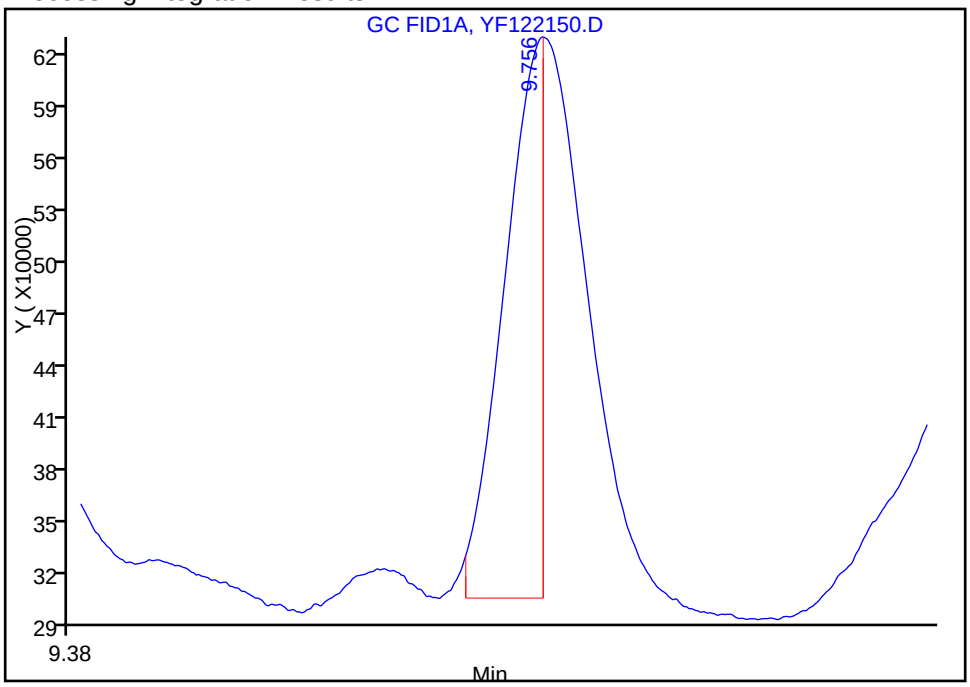
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\YPID\20121221-16087.b\YF122150.D		
Injection Date:	22-Dec-2012 17:35:13	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	69738	Lims Sample ID:	50
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

$ 16 Trifluorotoluene (Surr), Signal: 1, Type: quant, RT: 9.76, Det: GC FID1A

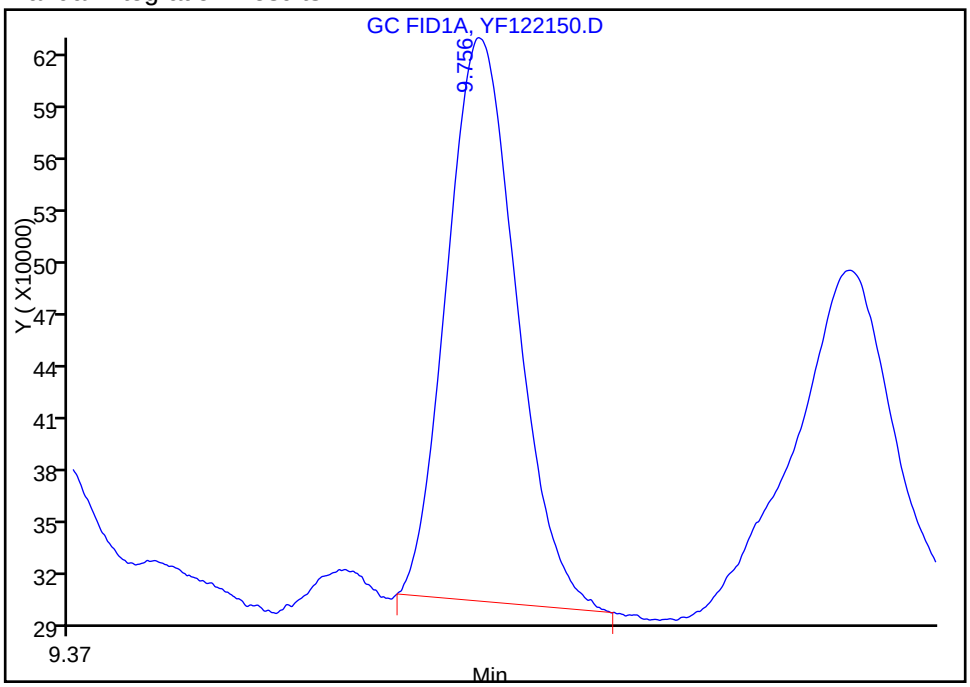
Processing Integration Results

RT: 9.76
Response: 649352
Amount: 4.224369



Manual Integration Results

RT: 9.76
Response: 1449688
Amount: 9.430967



Reviewer: bosworthh, 24-Dec-2012 06:47:10
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-69738/36

Matrix: Water Lab File ID: YF122136.D

Analysis Method: 8015B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/22/2012 08:46

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VRX ID: 0.45(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69738 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00061	C6-C12	50	U	100	50	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	Trifluorotoluene (Surr)	76		10-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122136.D
Lims ID: MB Client ID:
Inject. Date: 22-Dec-2012 08:46:08 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0016087-036
Misc. Info.:
Operator: 1765 Instrument ID: YPID
Purge Vol: 5.000 mL ALS Bottle#: 1
Lims Batch ID: 69738 Lims Sample ID: 36
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\YPID\20121221-16087.b\Y80158021.m
Last Update: 26-Dec-2012 15:23:15 Calib Date: 27-Aug-2012 15:06:37
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D
Limit Group: GCV 8015B GRO ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
S 17 Xylenes, Total	1		0.000				7
6 2-Methylpentane	2	5.143	5.137	0.006	6239	0	
12 Methyl tert-butyl ether	2		5.208				1
3 Benzene	1		7.999				1
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.757	9.759	-0.002	1167529	7.60	
$ 18 a,a,a-Trifluorotoluene (pid)	1		9.772				1
A 5 C6-C10	2	11.831	4.901 -	18.760	4684221	34.4	
8 Toluene	1		11.964				1
A 1 C6-C12	2		5.001 -	21.920			
A 11 GRO	2	13.655	4.996 -	22.314	10997348	0	
13 Ethylbenzene	1		15.042				1
2 m-Xylene & p-Xylene	1		15.410				1
4 o-Xylene	1		16.061				1
10 1,3,5-Trimethylbenzene	1		17.985				1
7 1,2,4-Trimethylbenzene	1		18.579				1
14 Dodecane	2	21.908	21.750	0.158	18018	0	
9 Naphthalene	2	22.063	22.060	0.003	9697	0	

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

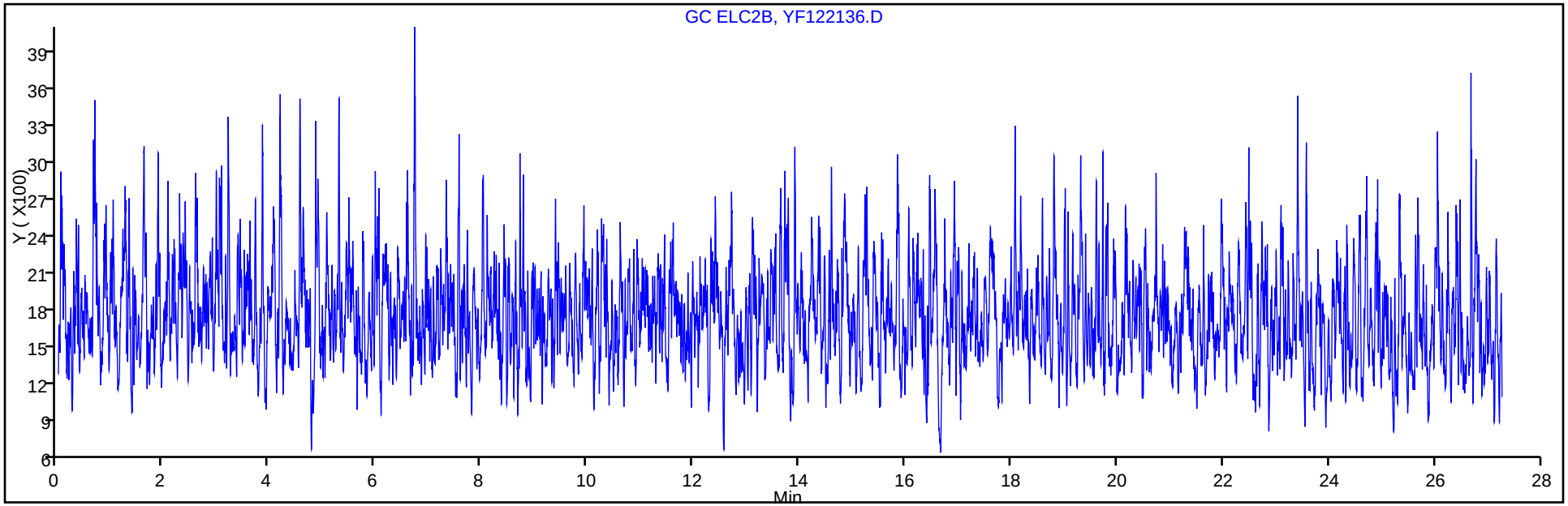
Report Date: 26-Dec-2012 15:23:17 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

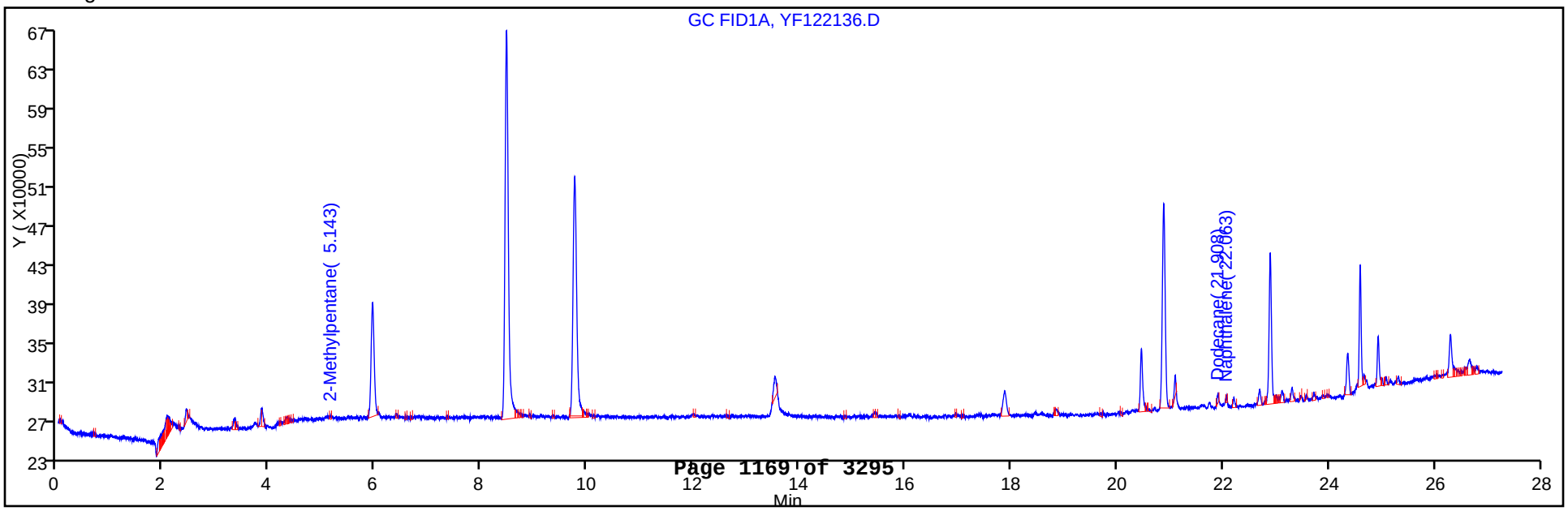
Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122136.D

Injection Date:	22-Dec-2012 08:46:08	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	69738	Lims Sample ID:	36
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-69738/37

Matrix: Water Lab File ID: YF122137.D

Analysis Method: 8015B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/22/2012 09:24

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VRX ID: 0.45(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69738 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00061	C6-C12	830		100	50	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	Trifluorotoluene (Surr)	92		10-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122137.D
Lims ID: LCS Client ID:
Inject. Date: 22-Dec-2012 09:24:22 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0016087-037
Misc. Info.:
Operator: 1765 Instrument ID: YPID
Purge Vol: 5.000 mL ALS Bottle#: 1
Lims Batch ID: 69738 Lims Sample ID: 37
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\YPID\20121221-16087.b\Y80158021.m
Last Update: 26-Dec-2012 15:23:15 Calib Date: 27-Aug-2012 15:06:37
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D
Limit Group: GCV 8015B GRO ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.757	9.759	-0.002	1418046	9.23	
A 5 C6-C10	2	11.831	4.901 -	18.760	105727048	777.3	
A 1 C6-C12	2	13.461	5.001 -	21.920	119867350	829.9	

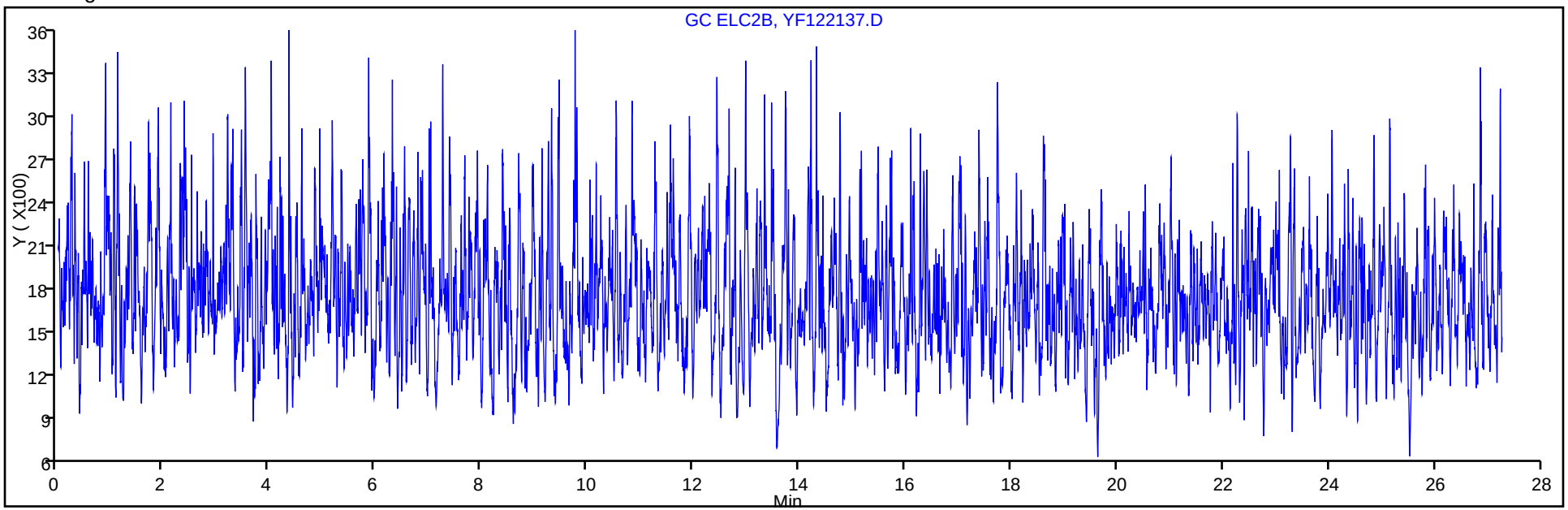
Report Date: 26-Dec-2012 15:23:19 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

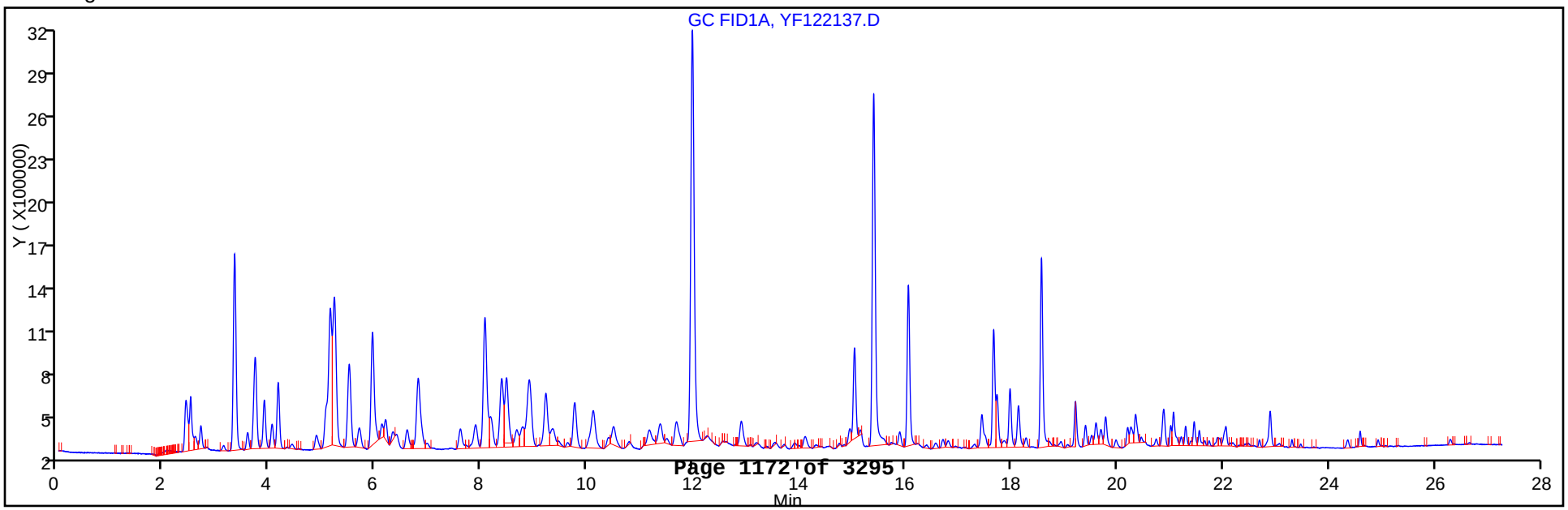
Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122137.D

Injection Date:	22-Dec-2012 09:24:22	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	69738	Lims Sample ID:	37
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-69738/35

Matrix: Water Lab File ID: YF122135.D

Analysis Method: 8015B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/22/2012 08:08

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VRX ID: 0.45(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69738 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00061	C6-C12	78.6	J	100	50	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	Trifluorotoluene (Surr)	85		70-130

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122135.D
Lims ID: MRL Client ID:
Inject. Date: 22-Dec-2012 08:08:28 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0016087-035
Misc. Info.:
Operator: 1765 Instrument ID: YPID
Purge Vol: 5.000 mL ALS Bottle#: 1
Lims Batch ID: 69738 Lims Sample ID: 35
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\YPID\20121221-16087.b\Y80158021.m
Last Update: 26-Dec-2012 15:23:15 Calib Date: 27-Aug-2012 15:06:37
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D
Limit Group: GCV 8015B GRO ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
S 17 Xylenes, Total	1		0.000				7
6 2-Methylpentane	2	5.140	5.137	0.003	303010	0	
12 Methyl tert-butyl ether	2	5.224	5.208	0.016	1326135	0	
3 Benzene	1		7.999				1
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.757	9.759	-0.002	1307279	8.50	
$ 18 a,a,a-Trifluorotoluene (pid)	1		9.772				1
A 5 C6-C10	2	11.831	4.901 -	18.760	14478767	106.4	
8 Toluene	1		11.964				1
A 1 C6-C12	2	13.461	5.001 -	21.920	17415031	78.6	
A 11 GRO	2	13.655	4.996 -	22.314	20949584	0	
13 Ethylbenzene	1		15.042				1
2 m-Xylene & p-Xylene	1		15.410				1
4 o-Xylene	1		16.061				1
10 1,3,5-Trimethylbenzene	1		17.985				1
7 1,2,4-Trimethylbenzene	1	0.000	18.579	-18.579	0	0	
14 Dodecane	2	21.741	21.750	-0.009	10337	0	
9 Naphthalene	2	22.065	22.060	0.005	85261	0	

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

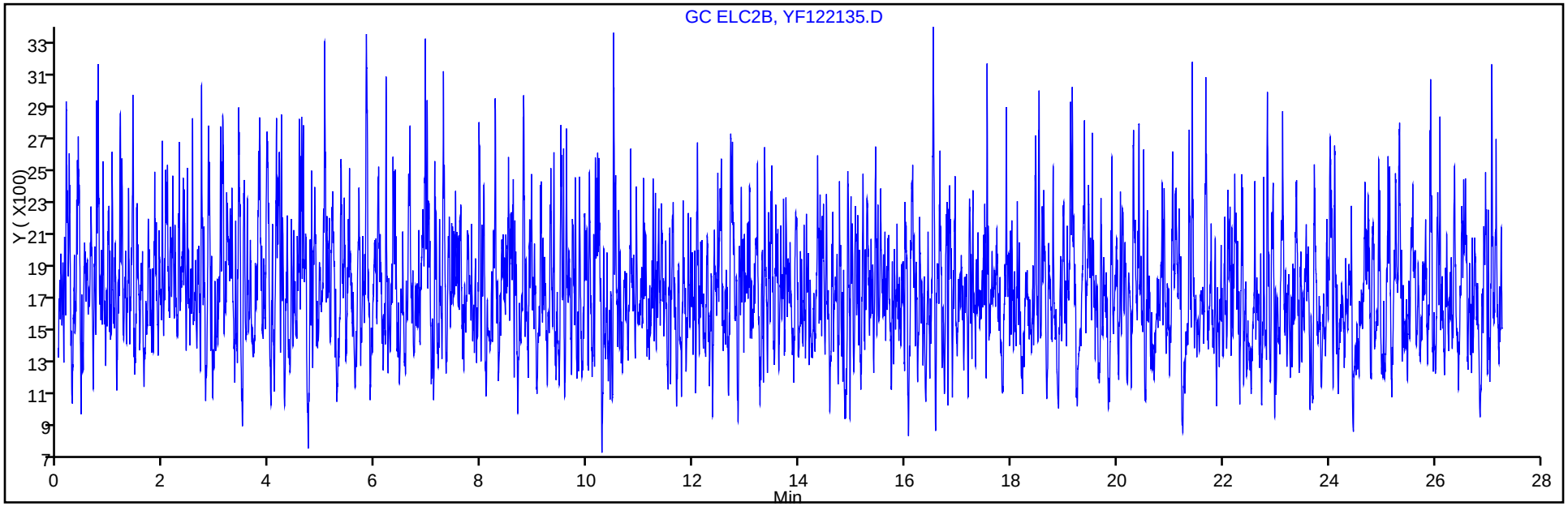
Report Date: 26-Dec-2012 15:23:16 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

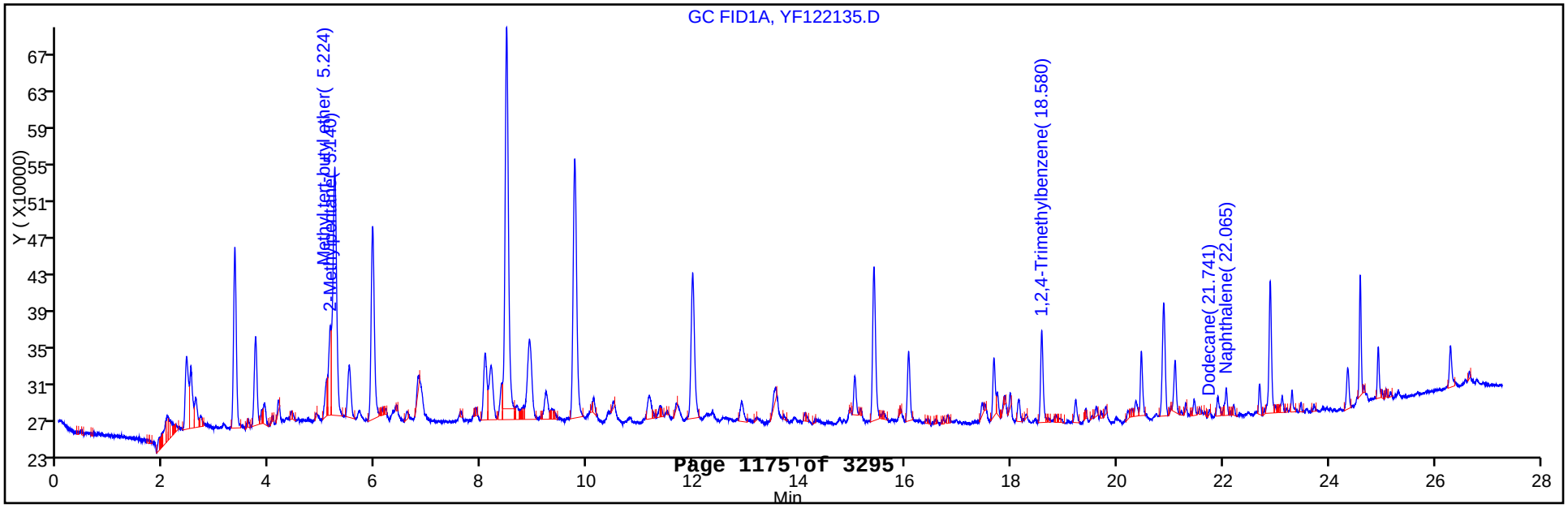
Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122135.D

Injection Date:	22-Dec-2012 08:08:28	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	69738	Lims Sample ID:	35
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-69738/51

Matrix: Water Lab File ID: YF122151.D

Analysis Method: 8015B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/22/2012 18:14

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VRX ID: 0.45(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69738 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00061	C6-C12	115		100	50	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	Trifluorotoluene (Surr)	85		70-130

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122151.D
Lims ID: MRL Client ID:
Inject. Date: 22-Dec-2012 18:14:18 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0016087-051
Misc. Info.:
Operator: 1765 Instrument ID: YPID
Purge Vol: 5.000 mL ALS Bottle#: 1
Lims Batch ID: 69738 Lims Sample ID: 51
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\YPID\20121221-16087.b\Y80158021.m
Last Update: 26-Dec-2012 15:23:34 Calib Date: 27-Aug-2012 15:06:37
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D
Limit Group: GCV 8015B GRO ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
S 17 Xylenes, Total	1		0.000				7
6 2-Methylpentane	2	5.135	5.137	-0.002	440596	0	
12 Methyl tert-butyl ether	2	5.215	5.208	0.007	1693127	0	
3 Benzene	1		7.999				1
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.755	9.756	-0.001	1313479	8.54	
$ 18 a,a,a-Trifluorotoluene (pid)	1		9.772				1
A 5 C6-C10	2	11.831	4.901 -	18.760	17378842	127.8	
8 Toluene	1		11.964				1
A 1 C6-C12	2	13.461	5.001 -	21.920	22317143	114.5	
A 11 GRO	2	13.655	4.996 -	22.314	25915619	0	
13 Ethylbenzene	1		15.042				1
2 m-Xylene & p-Xylene	1		15.410				1
4 o-Xylene	1		16.061				1
10 1,3,5-Trimethylbenzene	1		17.985				1
7 1,2,4-Trimethylbenzene	1	0.000	18.579	-18.579	0	0	
14 Dodecane	2	21.737	21.750	-0.013	10279	0	
9 Naphthalene	2	22.059	22.060	-0.001	30242	0	

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

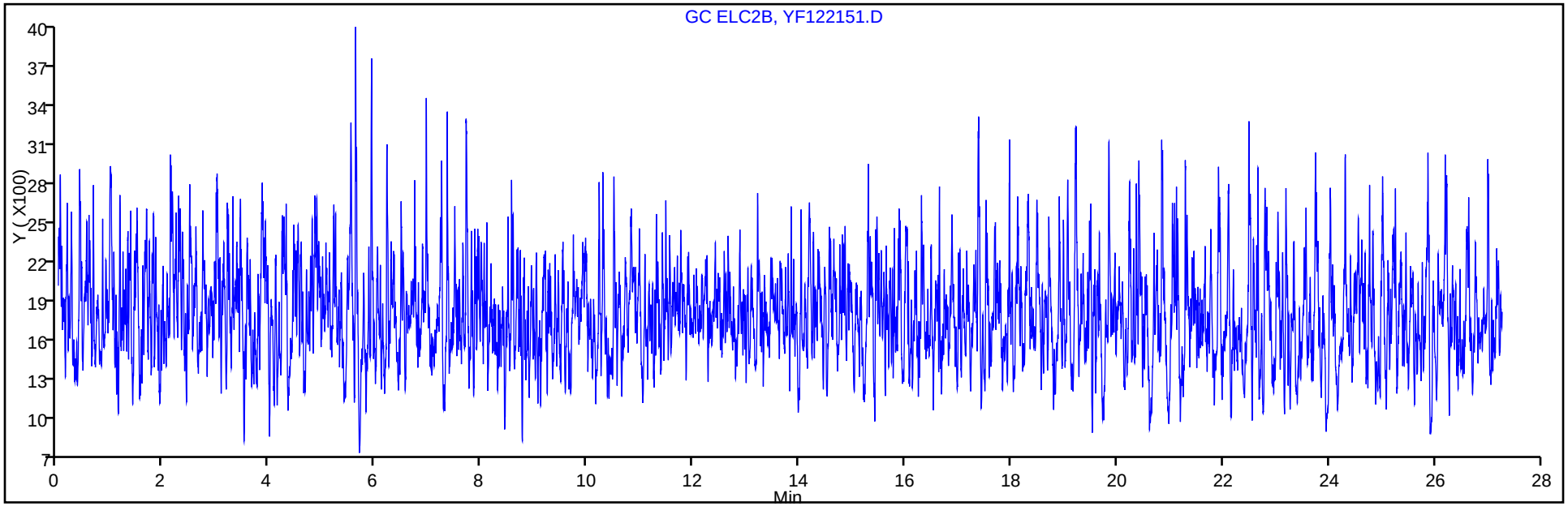
Report Date: 26-Dec-2012 15:23:36 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

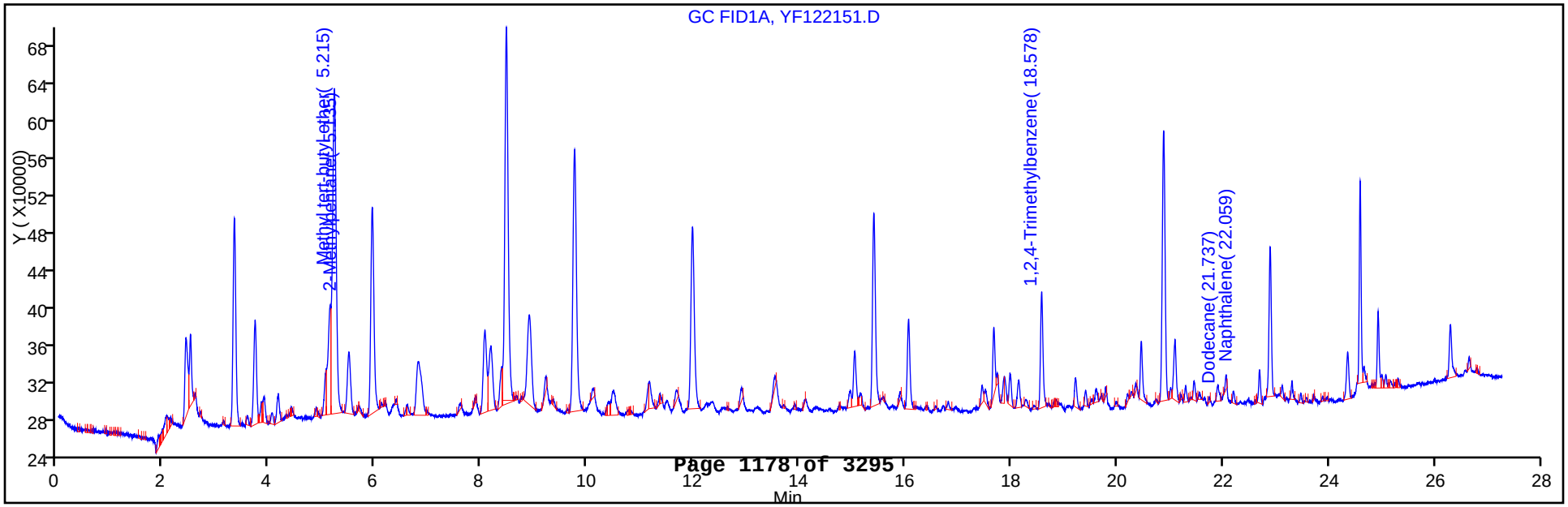
Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122151.D

Injection Date:	22-Dec-2012 18:14:18	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	69738	Lims Sample ID:	51
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



GASOLINE RANGE ORGANICS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: YPID Start Date: 08/15/2012 17:16

Analysis Batch Number: 54511 End Date: 08/16/2012 06:06

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		08/15/2012 17:16	1		RTX-VRX 0.45(mm)
ZZZZZ		08/15/2012 17:57	1		RTX-VRX 0.45(mm)
STD1 240-54511/6 IC		08/15/2012 18:36	1	YF081506.D	RTX-VRX 0.45(mm)
STD2 240-54511/7 IC		08/15/2012 19:17	1	YF081507.D	RTX-VRX 0.45(mm)
STD3 240-54511/8 IC		08/15/2012 19:58	1	YF081508.D	RTX-VRX 0.45(mm)
STD4 240-54511/9 ICRT		08/15/2012 20:39	1	YF081509.D	RTX-VRX 0.45(mm)
STD5 240-54511/10 IC		08/15/2012 21:19	1	YF081510.D	RTX-VRX 0.45(mm)
STD6 240-54511/11 IC		08/15/2012 22:00	1	YF081511.D	RTX-VRX 0.45(mm)
ICV 240-54511/12		08/15/2012 22:40	1	YF081512.D	RTX-VRX 0.45(mm)
ZZZZZ		08/15/2012 23:21	1		RTX-VRX 0.45(mm)
ZZZZZ		08/16/2012 00:02	1		RTX-VRX 0.45(mm)
ZZZZZ		08/16/2012 00:42	200		RTX-VRX 0.45(mm)
ZZZZZ		08/16/2012 01:23	1		RTX-VRX 0.45(mm)
ZZZZZ		08/16/2012 02:03	100		RTX-VRX 0.45(mm)
ZZZZZ		08/16/2012 02:43	1		RTX-VRX 0.45(mm)
ZZZZZ		08/16/2012 03:24	1		RTX-VRX 0.45(mm)
ZZZZZ		08/16/2012 04:05	1000		RTX-VRX 0.45(mm)
ZZZZZ		08/16/2012 04:45	5		RTX-VRX 0.45(mm)
ZZZZZ		08/16/2012 05:26	1		RTX-VRX 0.45(mm)
CCV 240-54511/23		08/16/2012 06:06	1		RTX-VRX 0.45(mm)

GASOLINE RANGE ORGANICS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: YPID Start Date: 12/21/2012 11:49

Analysis Batch Number: 69738 End Date: 12/23/2012 10:05

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		12/21/2012 11:49	1		RTX-VRX 0.45(mm)
ZZZZZ		12/21/2012 11:49	1		RTX-VRX 0.45(mm)
CCV 240-69738/5 CCVRT		12/21/2012 13:05	1	YF122105.D	RTX-VRX 0.45(mm)
ZZZZZ		12/21/2012 14:20	1		RTX-VRX 0.45(mm)
ZZZZZ		12/21/2012 14:20	1		RTX-VRX 0.45(mm)
ZZZZZ		12/21/2012 14:58	1		RTX-VRX 0.45(mm)
ZZZZZ		12/21/2012 15:36	100		RTX-VRX 0.45(mm)
CCV 240-69738/10		12/21/2012 16:14	1	YF122110.D	RTX-VRX 0.45(mm)
CCV 240-69738/34		12/22/2012 07:30	1	YF122134.D	RTX-VRX 0.45(mm)
ZZZZZ		12/22/2012 08:08	1		RTX-VRX 0.45(mm)
MRL 240-69738/35		12/22/2012 08:08	1	YF122135.D	RTX-VRX 0.45(mm)
ZZZZZ		12/22/2012 08:46	1		RTX-VRX 0.45(mm)
MB 240-69738/36		12/22/2012 08:46	1	YF122136.D	RTX-VRX 0.45(mm)
LCS 240-69738/37		12/22/2012 09:24	1	YF122137.D	RTX-VRX 0.45(mm)
ZZZZZ		12/22/2012 10:01	1		RTX-VRX 0.45(mm)
ZZZZZ		12/22/2012 10:39	1		RTX-VRX 0.45(mm)
ZZZZZ		12/22/2012 11:16	1		RTX-VRX 0.45(mm)
ZZZZZ		12/22/2012 11:54	1		RTX-VRX 0.45(mm)
ZZZZZ		12/22/2012 12:32	1		RTX-VRX 0.45(mm)
ZZZZZ		12/22/2012 12:32	1		RTX-VRX 0.45(mm)
ZZZZZ		12/22/2012 13:10	1		RTX-VRX 0.45(mm)
ZZZZZ		12/22/2012 13:10	1		RTX-VRX 0.45(mm)
ZZZZZ		12/22/2012 13:47	1		RTX-VRX 0.45(mm)
CCV 240-69738/45		12/22/2012 14:25	1	YF122145.D	RTX-VRX 0.45(mm)
ZZZZZ		12/22/2012 15:02	1		RTX-VRX 0.45(mm)
ZZZZZ		12/22/2012 15:41	1		RTX-VRX 0.45(mm)
240-18735-3	070-0056-0001-SOURCE WATER	12/22/2012 16:18	1	YF122148.D	RTX-VRX 0.45(mm)
240-18735-4	070-0057-0001-SOURCE WATER	12/22/2012 16:56	1	YF122149.D	RTX-VRX 0.45(mm)
CCV 240-69738/50		12/22/2012 17:35	1	YF122150.D	RTX-VRX 0.45(mm)
ZZZZZ		12/22/2012 18:14	1		RTX-VRX 0.45(mm)
MRL 240-69738/51		12/22/2012 18:14	1	YF122151.D	RTX-VRX 0.45(mm)
ZZZZZ		12/22/2012 18:53	1		RTX-VRX 0.45(mm)
ZZZZZ		12/22/2012 18:53	1		RTX-VRX 0.45(mm)
ZZZZZ		12/22/2012 19:32	1		RTX-VRX 0.45(mm)
ZZZZZ		12/22/2012 20:11	1		RTX-VRX 0.45(mm)
ZZZZZ		12/22/2012 20:49	1		RTX-VRX 0.45(mm)
ZZZZZ		12/22/2012 21:27	1		RTX-VRX 0.45(mm)
ZZZZZ		12/22/2012 22:06	1		RTX-VRX 0.45(mm)
ZZZZZ		12/22/2012 22:44	1		RTX-VRX 0.45(mm)
ZZZZZ		12/22/2012 23:22	1		RTX-VRX 0.45(mm)
ZZZZZ		12/23/2012 00:00	1		RTX-VRX 0.45(mm)
CCV 240-69738/61		12/23/2012 00:38	1		RTX-VRX 0.45(mm)
ZZZZZ		12/23/2012 01:16	1		RTX-VRX 0.45(mm)

8015B

GASOLINE RANGE ORGANICS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: YPID Start Date: 12/21/2012 11:49

Analysis Batch Number: 69738 End Date: 12/23/2012 10:05

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		12/23/2012 01:54	1		RTX-VRX 0.45(mm)
ZZZZZ		12/23/2012 02:31	1		RTX-VRX 0.45(mm)
ZZZZZ		12/23/2012 03:09	1		RTX-VRX 0.45(mm)
ZZZZZ		12/23/2012 03:47	1		RTX-VRX 0.45(mm)
ZZZZZ		12/23/2012 04:24	1		RTX-VRX 0.45(mm)
ZZZZZ		12/23/2012 05:02	1		RTX-VRX 0.45(mm)
ZZZZZ		12/23/2012 05:39	1		RTX-VRX 0.45(mm)
ZZZZZ		12/23/2012 06:17	1		RTX-VRX 0.45(mm)
CCV 240-69738/71		12/23/2012 06:55	1		RTX-VRX 0.45(mm)
ZZZZZ		12/23/2012 07:33	1		RTX-VRX 0.45(mm)
ZZZZZ		12/23/2012 07:33	1		RTX-VRX 0.45(mm)
ZZZZZ		12/23/2012 08:10	1		RTX-VRX 0.45(mm)
ZZZZZ		12/23/2012 08:10	1		RTX-VRX 0.45(mm)
ZZZZZ		12/23/2012 08:49	1		RTX-VRX 0.45(mm)
ZZZZZ		12/23/2012 08:49	1		RTX-VRX 0.45(mm)
CCV 240-69738/75		12/23/2012 09:27	1		RTX-VRX 0.45(mm)
ZZZZZ		12/23/2012 10:05	1		RTX-VRX 0.45(mm)
ZZZZZ		12/23/2012 10:05	1		RTX-VRX 0.45(mm)

Method 8015B - DRO DOD

Diesel Range Organics (DRO) (GC) by Method 8015B DOD

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low

GC Column (1): ID:

Client Sample ID	Lab Sample ID	C9 #
070-0056-0001-SOUR CE WATER	240-18735-3	55
070-0057-0001-SOUR CE WATER	240-18735-4	51
	MB 240-68549/15-A	50
	LCS 240-68549/16-A	74

	QC LIMITS
C9 = n-Nonane	10-110

Column to be used to flag recovery values

FORM II 8015B_DRO/DOD

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low

GC Column (1): ID:

Client Sample ID	Lab Sample ID	C9 #
	MRL 240-68949/4	74
	MRL 240-68949/23	78

	QC LIMITS
C9 = n-Nonane	70-130

Column to be used to flag recovery values

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low Lab File ID: P5F10007.D

Lab ID: LCS 240-68549/16-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Diesel	2500	2320	93	36-124	

Column to be used to flag recovery and RPD values

FORM III 8015B_DRO/DOD

FORM III
GC SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low Lab File ID: P5F10004.D

Lab ID: MRL 240-68949/4 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Diesel	100	98.5 J	99	70-130	

Column to be used to flag recovery and RPD values

FORM III 8015B_DRO/DOD

FORM III
GC SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low Lab File ID: P5F10023.D

Lab ID: MRL 240-68949/23 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Diesel	100	108	108	70-130	

Column to be used to flag recovery and RPD values

FORM III 8015B_DRO/DOD

FORM IV
GC SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab File ID: P5F10006.D Lab Sample ID: MB 240-68549/15-A

Matrix: Water Date Extracted: 12/13/2012 11:26

Instrument ID: A2HP5F Date Analyzed: 12/17/2012 14:33

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-68549/16-A	P5F10007.D	12/17/2012 15:03
070-0056-0001-SOURCE WATER	240-18735-3	P5F10020.D	12/17/2012 21:35
070-0057-0001-SOURCE WATER	240-18735-4	P5F10021.D	12/17/2012 22:05

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Sample No.: CCV 240-68949/5 Date Analyzed: 12/17/2012 14:02

Instrument ID: A2HP5F GC Column: ID: ()

Lab File ID (Standard): P5F10005.D Heated Purge: (Y/N) N

Calibration ID: 11556

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				C9 RT #		
CONTINUING CALIBRATION SURROGATE				4.26		
UPPER LIMIT				4.36		
LOWER LIMIT				4.16		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-68949/5 CCVRT		12/17/2012 14:02	P5F10005.D	4.26		
MB 240-68549/15-A		12/17/2012 14:33	P5F10006.D	4.26		
LCS 240-68549/16-A		12/17/2012 15:03	P5F10007.D	4.26		
CCV 240-68949/16		12/17/2012 19:35	P5F10016.D	4.27		
240-18735-3	070-0056-0001-SOURCE WATER	12/17/2012 21:35	P5F10020.D	4.27		
240-18735-4	070-0057-0001-SOURCE WATER	12/17/2012 22:05	P5F10021.D	4.27		
CCV 240-68949/22		12/17/2012 22:35	P5F10022.D	4.26		

C9 = n-Nonane

C9 RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8015B_DRO/DOD

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Client Sample ID: 070-0056-0001-SOURCE Lab Sample ID: 240-18735-3

Matrix: Water Lab File ID: P5F10020.D

Analysis Method: 8015B_DRO/DOD Date Collected: 12/12/2012 13:00

Extraction Method: 3520C Date Extracted: 12/13/2012 11:26

Sample wt/vol: 1050(mL) Date Analyzed: 12/17/2012 21:35

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ID:

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 68949 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	230	U	480	230	230
STL00272	C20-C34	230	U	480	230	230

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	55		10-110

TestAmerica Canton
Target Compound Quantitation Report

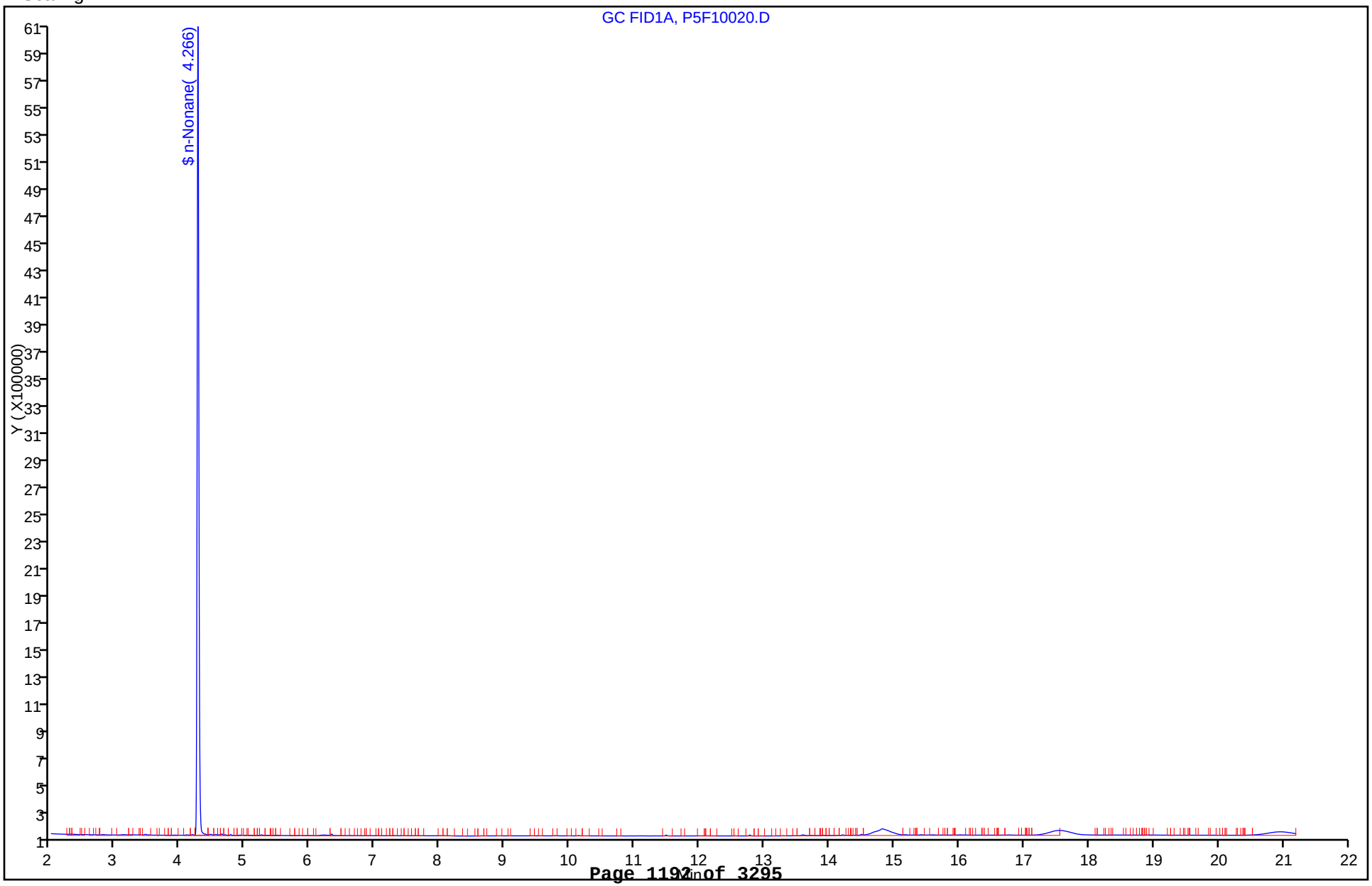
Data File:	\\Ncchrom\ChromData\A2HP5F\20121217-15908.b\P5F10020.D		
Lims ID:	240-18735-N-3-A	Client ID:	070-0056-0001-SOURCE WATER
Inject. Date:	17-Dec-2012 21:35:20	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0015908-020		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP5F
Injection Vol:	1.0 ul	ALS Bottle#:	20
Lims Batch ID:	68949	Lims Sample ID:	20
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP5F\20121217-15908.b\TPH5F.m		
Last Update:	18-Dec-2012 09:46:25	Calib Date:	24-Sep-2012 19:19:01
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92414.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK033		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
4.266	4.262	0.004	10750983	55.4	
A 12 C10-C20					
5.244 - 10.231					
A 15 Diesel					
5.244 - 13.616					
A 22 C20-C34					
10.231 -15.592					

Report Date: 18-Dec-2012 09:46:28 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP5F\20121217-15908.b\P5F10020.D		
Injection Date:	17-Dec-2012 21:35:20	Limit Group:	GC 8015C TPH ICAL
Client ID:	070-0056-0001-SOURCE WATER	Instrument ID:	A2HP5F
Lims Batch ID:	68949	Lims Sample ID:	20
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	
Y Scaling:			



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Client Sample ID: 070-0057-0001-SOURCE Lab Sample ID: 240-18735-4

Matrix: Water Lab File ID: P5F10021.D

Analysis Method: 8015B_DRO/DOD Date Collected: 12/12/2012 13:15

Extraction Method: 3520C Date Extracted: 12/13/2012 11:26

Sample wt/vol: 1050(mL) Date Analyzed: 12/17/2012 22:05

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ID:

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 68949 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	230	U	480	230	230
STL00272	C20-C34	230	U	480	230	230

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	51		10-110

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5F\20121217-15908.b\P5F10021.D		
Lims ID:	240-18735-M-4-A	Client ID:	070-0057-0001-SOURCE WATER
Inject. Date:	17-Dec-2012 22:05:23	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0015908-021		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP5F
Injection Vol:	1.0 ul	ALS Bottle#:	21
Lims Batch ID:	68949	Lims Sample ID:	21
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP5F\20121217-15908.b\TPH5F.m		
Last Update:	18-Dec-2012 09:46:25	Calib Date:	24-Sep-2012 19:19:01
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92414.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK033		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
4.269	4.262	0.007	9874667	50.9	
A 12 C10-C20					
5.244 - 10.231					
A 15 Diesel					
5.244 - 13.616					
A 22 C20-C34					
10.231 -15.592					

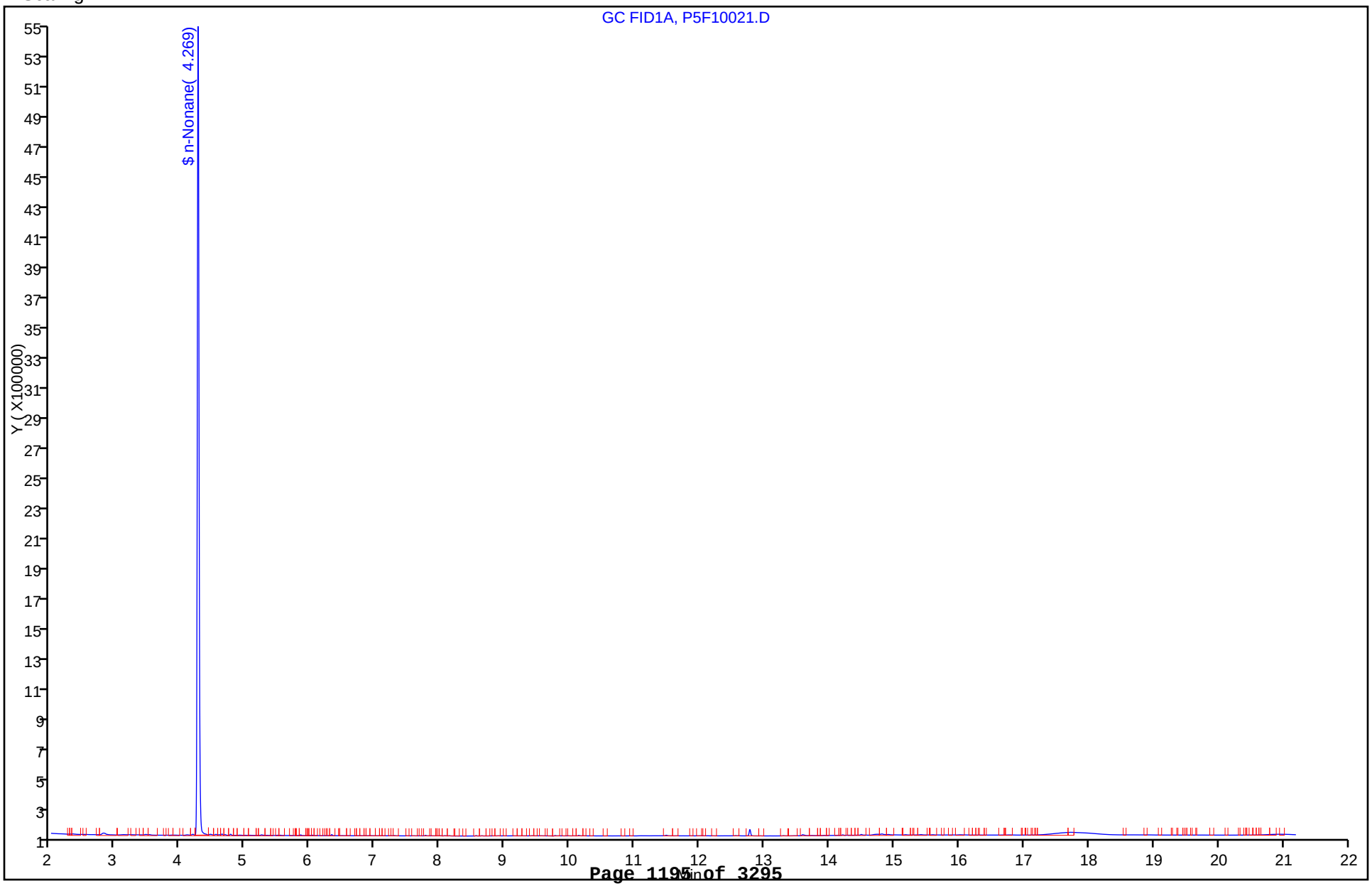
Report Date: 18-Dec-2012 09:46:28 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5F\20121217-15908.b\P5F10021.D

Injection Date:	17-Dec-2012 22:05:23	Limit Group:	GC 8015C TPH ICAL
Client ID:	070-0057-0001-SOURCE WATER	Instrument ID:	A2HP5F
Lims Batch ID:	68949	Lims Sample ID:	21
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 58815

SDG No.:

Instrument ID: A2HP5F GC Column: ID: Heated Purge: (Y/N) N

Calibration Start Date: 09/24/2012 14:20 Calibration End Date: 09/24/2012 16:19 Calibration ID: 11556

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-58815/4	P5F92404.D
Level 2	STD2 240-58815/5	P5F92405.D
Level 3	STD3 240-58815/6	P5F92406.D
Level 4	STD4 240-58815/7	P5F92407.D
Level 5	STD5 240-58815/8	P5F92408.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
Diesel Range Organics [C10 - C28]	10.116	10.112	10.112	10.112	10.112						6.201 - 14.024	10.113
n-Nonane	5.515	5.514	5.516	5.518	5.512						5.445 - 5.585	5.515

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 58815

SDG No.:

Instrument ID: A2HP5F GC Column: ID: Heated Purge: (Y/N) N

Calibration Start Date: 09/24/2012 14:20 Calibration End Date: 09/24/2012 16:19 Calibration ID: 11556

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-58815/4	P5F92404.D
Level 2	STD2 240-58815/5	P5F92405.D
Level 3	STD3 240-58815/6	P5F92406.D
Level 4	STD4 240-58815/7	P5F92407.D
Level 5	STD5 240-58815/8	P5F92408.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
Diesel Range Organics [C10 - C28]	209355 177688	180351	179612	173706	Ave		184142.345				7.8		20.0			
n-Nonane	209776 190373	190419	194560	185317	Ave		194088.823				4.8		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 58815

SDG No.:

Instrument ID: A2HP5F GC Column: ID: Heated Purge: (Y/N) N

Calibration Start Date: 09/24/2012 14:20 Calibration End Date: 09/24/2012 16:19 Calibration ID: 11556

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-58815/4	P5F92404.D
Level 2	STD2 240-58815/5	P5F92405.D
Level 3	STD3 240-58815/6	P5F92406.D
Level 4	STD4 240-58815/7	P5F92407.D
Level 5	STD5 240-58815/8	P5F92408.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Diesel Range Organics [C10 - C28]	Ave	20935488	36070289	89805886	173705861	355375537	100	200	500	1000	2000
n-Nonane	Ave	2097756	3808378	9727983	18531718	38074555	10.0	20.0	50.0	100	200

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92404.D		
Lims ID:	STD1 Diesel	Client ID:	
Inject. Date:	24-Sep-2012 14:20:11	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	240-0013485-004		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP5F
Injection Vol:	1.0 ul	ALS Bottle#:	4
Lims Batch ID:	58815	Lims Sample ID:	4
Sublist:	chrom-TPH5F*sub1		
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\TPH5F.m		
Last Update:	25-Sep-2012 15:24:14	Calib Date:	24-Sep-2012 19:19:01
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92414.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK010		
First Level Reviewer: bolgrind		Date:	25-Sep-2012 11:50:31

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
5.515	5.515	0.000	2097756	10.8	
A 15 Diesel					
10.116	6.201 - 14.024		20935488	113.7	

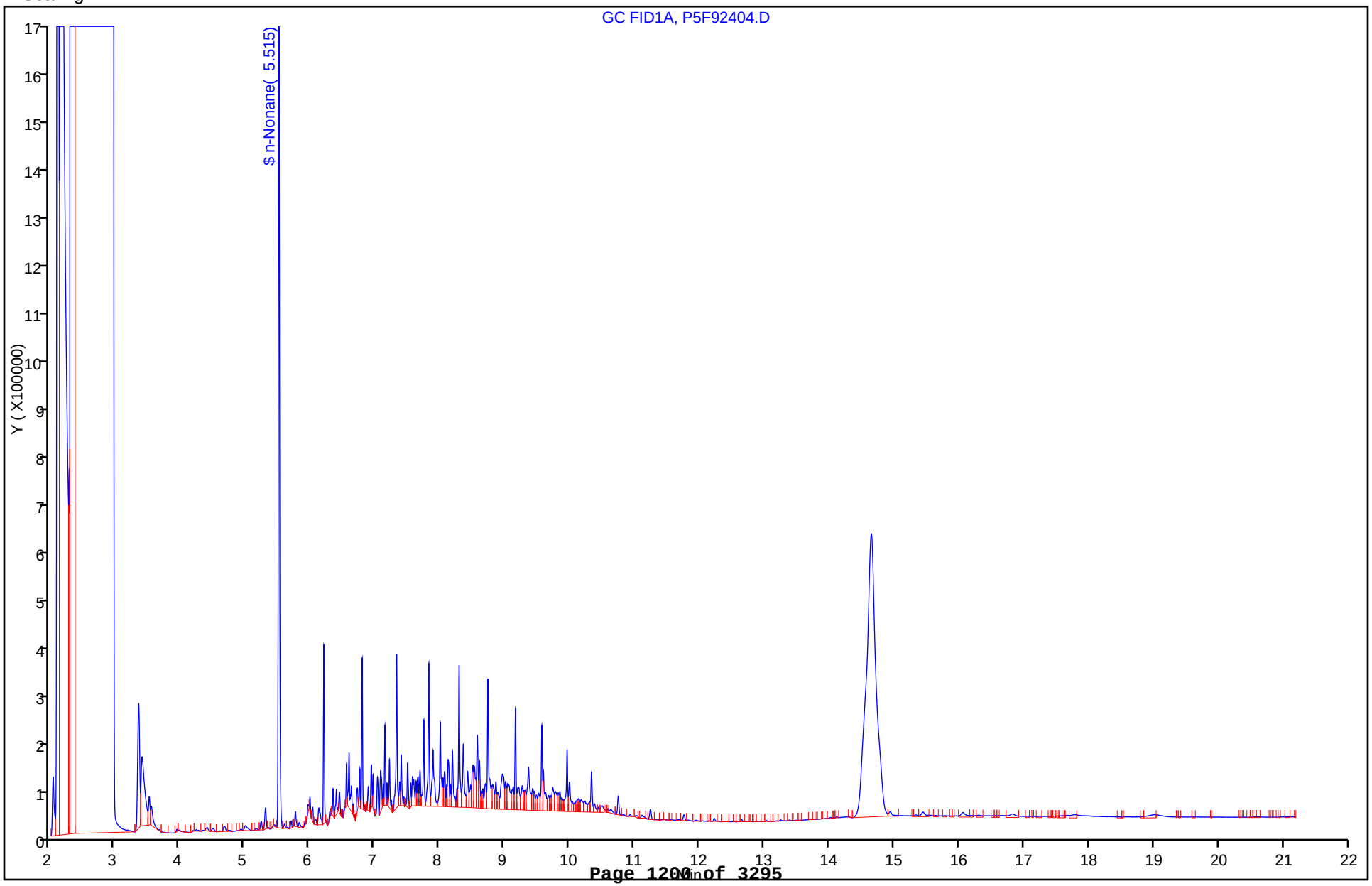
Report Date: 25-Sep-2012 15:24:14 Chrom Revision: 2.0 21-Aug-2012 09:09:58

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92404.D

Injection Date:	24-Sep-2012 14:20:11	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5F
Lims Batch ID:	58815	Lims Sample ID:	4
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92405.D		
Lims ID:	STD2 Diesel	Client ID:	
Inject. Date:	24-Sep-2012 14:50:03	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	240-0013485-005		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP5F
Injection Vol:	1.0 ul	ALS Bottle#:	5
Lims Batch ID:	58815	Lims Sample ID:	5
Sublist:	chrom-TPH5F*sub1		
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\TPH5F.m		
Last Update:	25-Sep-2012 15:24:15	Calib Date:	24-Sep-2012 19:19:01
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92414.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK010		
First Level Reviewer: bolgrind		Date:	25-Sep-2012 11:50:42

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
5.514	5.515	-0.001	3808378	19.6	
A 15 Diesel					
10.112	6.201 - 14.024		36070289	195.9	

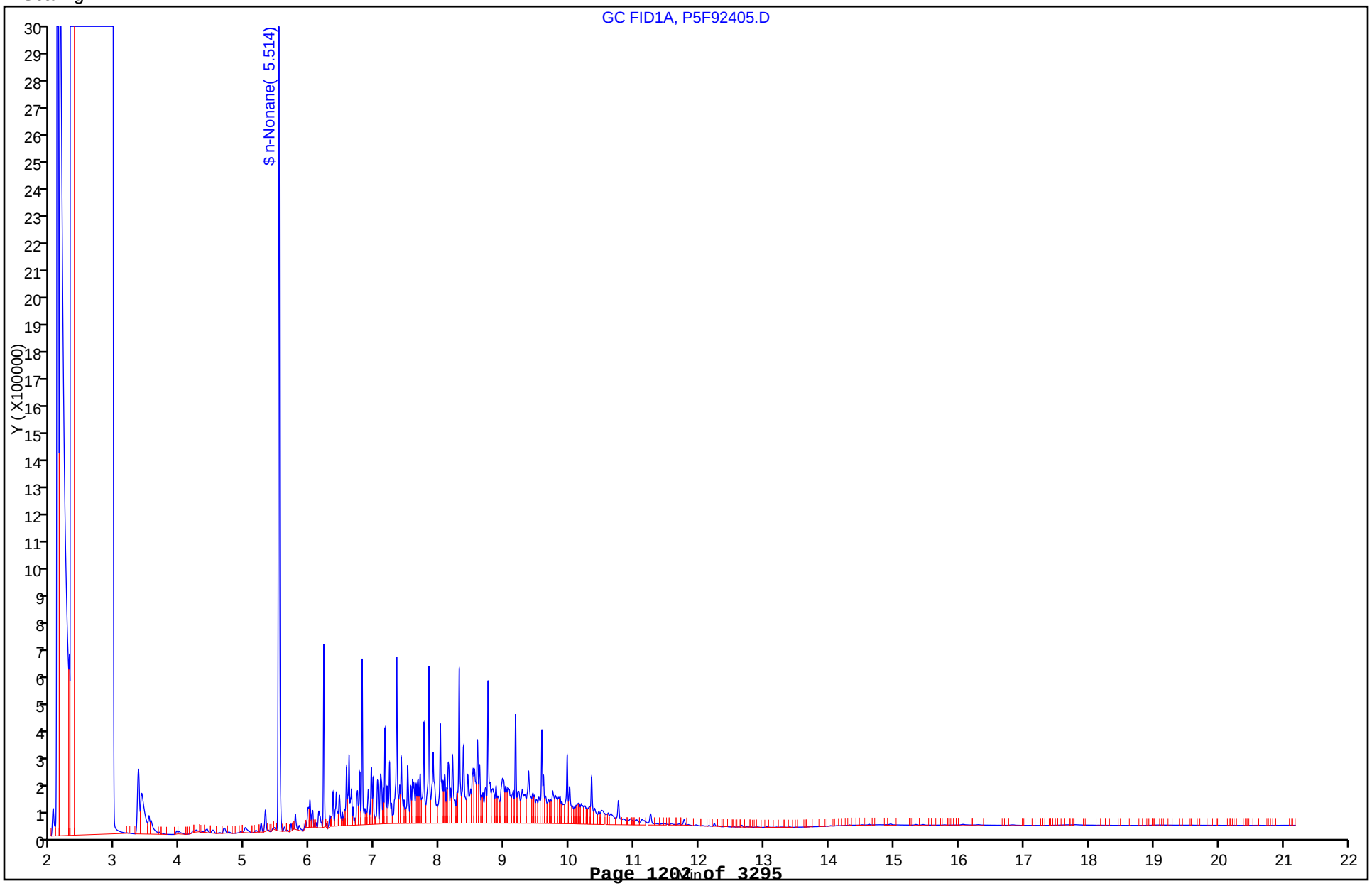
Report Date: 25-Sep-2012 15:24:15 Chrom Revision: 2.0 21-Aug-2012 09:09:58

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92405.D

Injection Date:	24-Sep-2012 14:50:03	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5F
Lims Batch ID:	58815	Lims Sample ID:	5
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92406.D		
Lims ID:	STD3 Diesel	Client ID:	
Inject. Date:	24-Sep-2012 15:19:52	Dil. Factor:	1.0000
Sample Type:	ICRT	Calib Level:	3
Sample ID:	240-0013485-006		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP5F
Injection Vol:	1.0 ul	ALS Bottle#:	6
Lims Batch ID:	58815	Lims Sample ID:	6
Sublist:	chrom-TPH5F*sub1		
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\TPH5F.m		
Last Update:	25-Sep-2012 15:24:16	Calib Date:	24-Sep-2012 19:19:01
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92414.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK010		
First Level Reviewer: bolgrind		Date:	25-Sep-2012 11:50:52

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
5.516	5.516	0.000	9727983	50.1	
A 15 Diesel					
10.112	6.201 - 14.024		89805886	487.7	

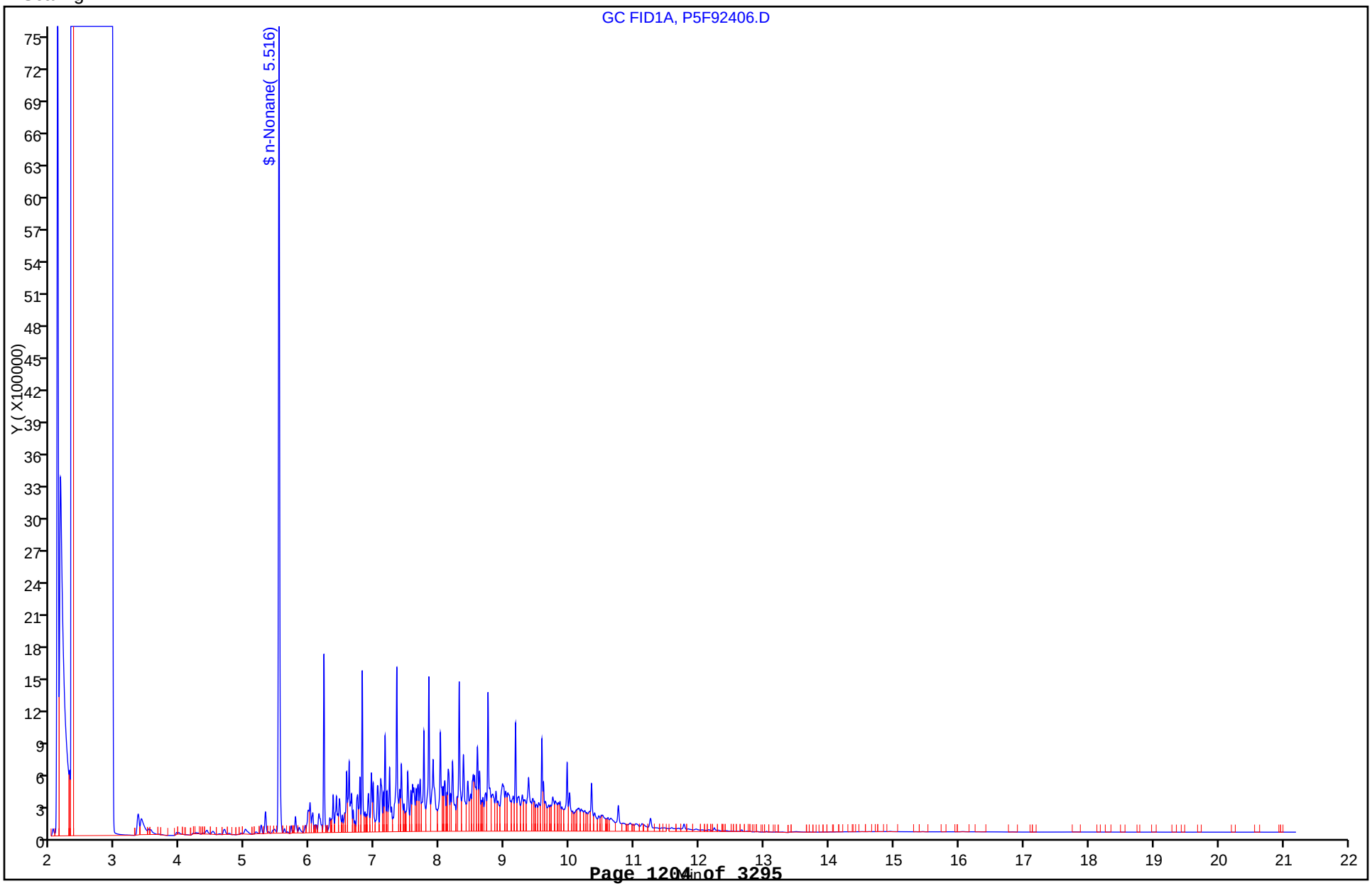
Report Date: 25-Sep-2012 15:24:17 Chrom Revision: 2.0 21-Aug-2012 09:09:58

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92406.D

Injection Date:	24-Sep-2012 15:19:52	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5F
Lims Batch ID:	58815	Lims Sample ID:	6
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92407.D		
Lims ID:	STD4 Diesel	Client ID:	
Inject. Date:	24-Sep-2012 15:49:39	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	240-0013485-007		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP5F
Injection Vol:	1.0 ul	ALS Bottle#:	7
Lims Batch ID:	58815	Lims Sample ID:	7
Sublist:	chrom-TPH5F*sub1		
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\TPH5F.m		
Last Update:	25-Sep-2012 15:24:17	Calib Date:	24-Sep-2012 19:19:01
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92414.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK010		
First Level Reviewer: bolgrind		Date:	25-Sep-2012 11:51:01

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
5.518	5.516	0.002	18531718	95.5	
A 15 Diesel					
10.112	6.201 - 14.024		173705861	943.3	

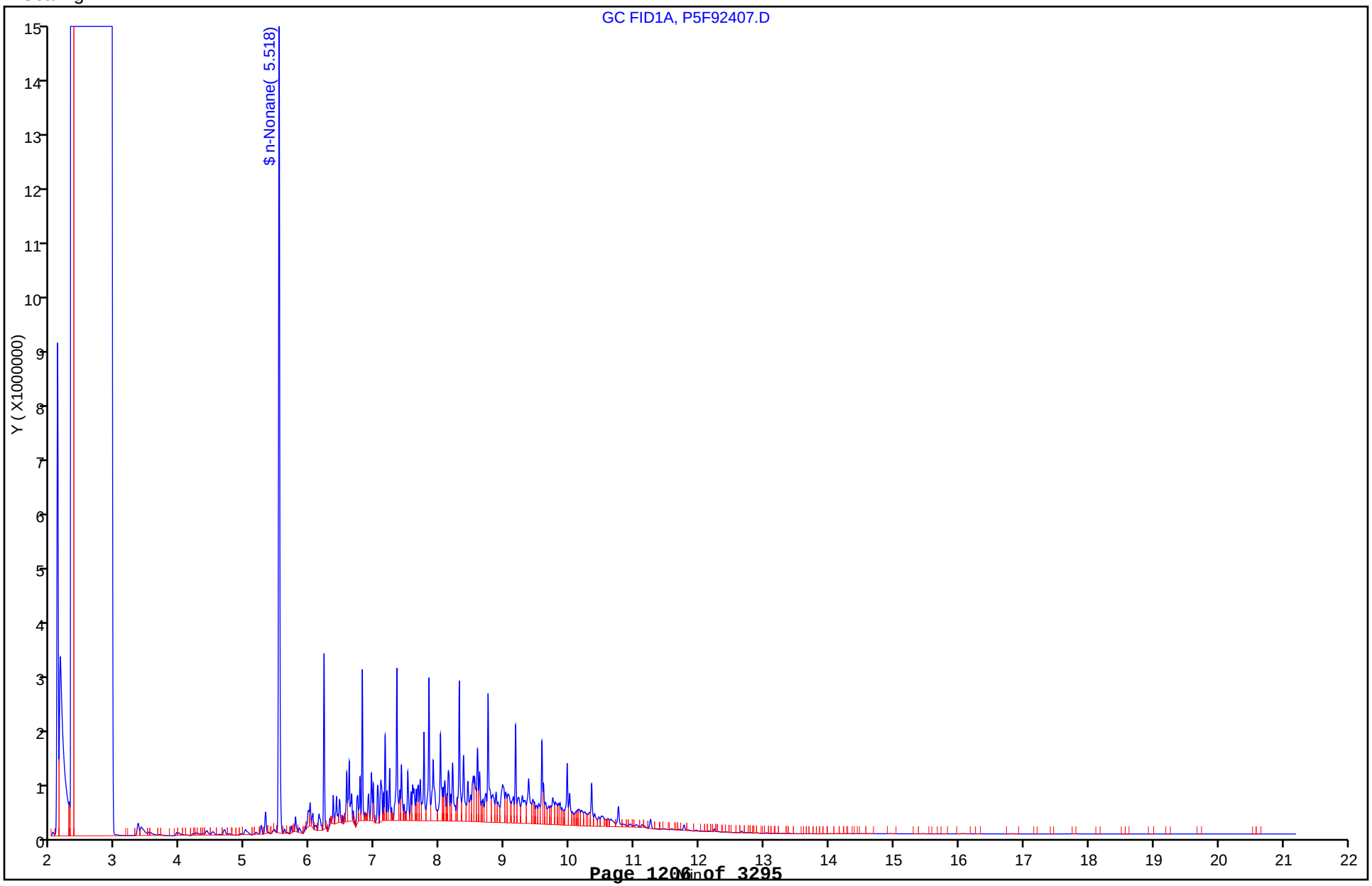
Report Date: 25-Sep-2012 15:24:18 Chrom Revision: 2.0 21-Aug-2012 09:09:58

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92407.D

Injection Date:	24-Sep-2012 15:49:39	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5F
Lims Batch ID:	58815	Lims Sample ID:	7
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92408.D		
Lims ID:	STD5 Diesel	Client ID:	
Inject. Date:	24-Sep-2012 16:19:38	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	240-0013485-008		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP5F
Injection Vol:	1.0 ul	ALS Bottle#:	8
Lims Batch ID:	58815	Lims Sample ID:	8
Sublist:	chrom-TPH5F*sub1		
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\TPH5F.m		
Last Update:	25-Sep-2012 15:24:18	Calib Date:	24-Sep-2012 19:19:01
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92414.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK010		
First Level Reviewer: bolgrind		Date:	25-Sep-2012 11:51:10

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
5.512	5.516	-0.004	38074555	196.2	
A 15 Diesel					
10.112	6.201 - 14.024		355375537	1929.9	

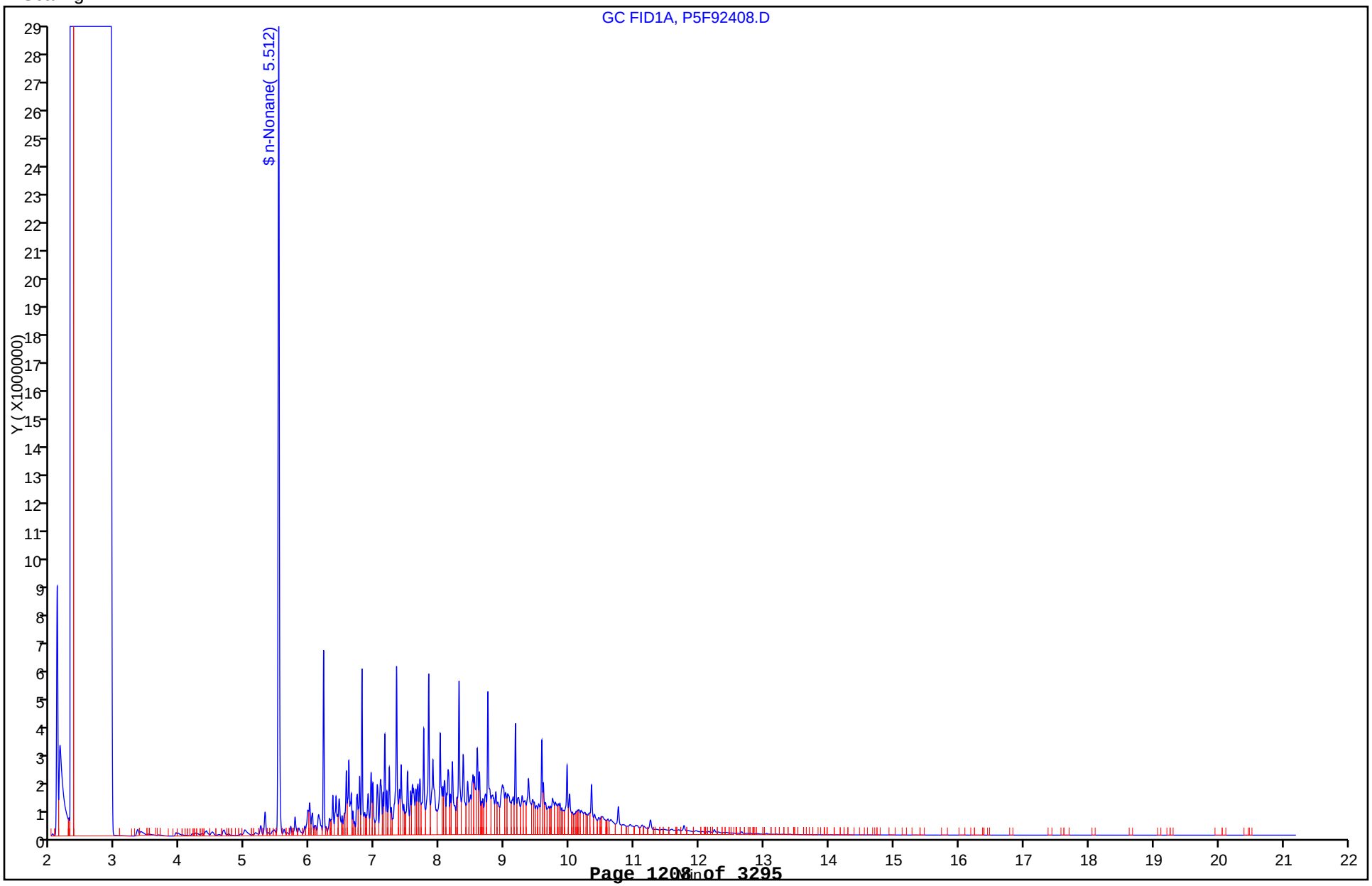
Report Date: 25-Sep-2012 15:24:19 Chrom Revision: 2.0 21-Aug-2012 09:09:58

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92408.D

Injection Date:	24-Sep-2012 16:19:38	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5F
Lims Batch ID:	58815	Lims Sample ID:	8
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-58815/9 Calibration Date: 09/24/2012 16:49

Instrument ID: A2HP5F Calib Start Date: 09/24/2012 14:20

GC Column: ID: Calib End Date: 09/24/2012 16:19

Lab File ID: P5F92409.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10 - C28]	Ave	184142	196035		532	500	6.5	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-58815/9 Calibration Date: 09/24/2012 16:49

Instrument ID: A2HP5F Calib Start Date: 09/24/2012 14:20

GC Column: ID: Calib End Date: 09/24/2012 16:19

Lab File ID: P5F92409.D

Analyte	RT	RT WINDOW	
		FROM	TO
Diesel Range Organics [C10 - C28]	10.11	6.20	14.02

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92409.D		
Lims ID:	ICV Diesel	Client ID:	
Inject. Date:	24-Sep-2012 16:49:32	Dil. Factor:	1.0000
Sample Type:	ICV		
Sample ID:	240-0013485-009		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP5F
Injection Vol:	1.0 ul	ALS Bottle#:	9
Lims Batch ID:	58815	Lims Sample ID:	9
Sublist:			
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\TPH5F.m		
Last Update:	25-Sep-2012 15:24:18	Calib Date:	24-Sep-2012 19:19:01
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92414.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK010		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
A 15 Diesel					
10.112	6.201 - 14.024		98017293	532.3	

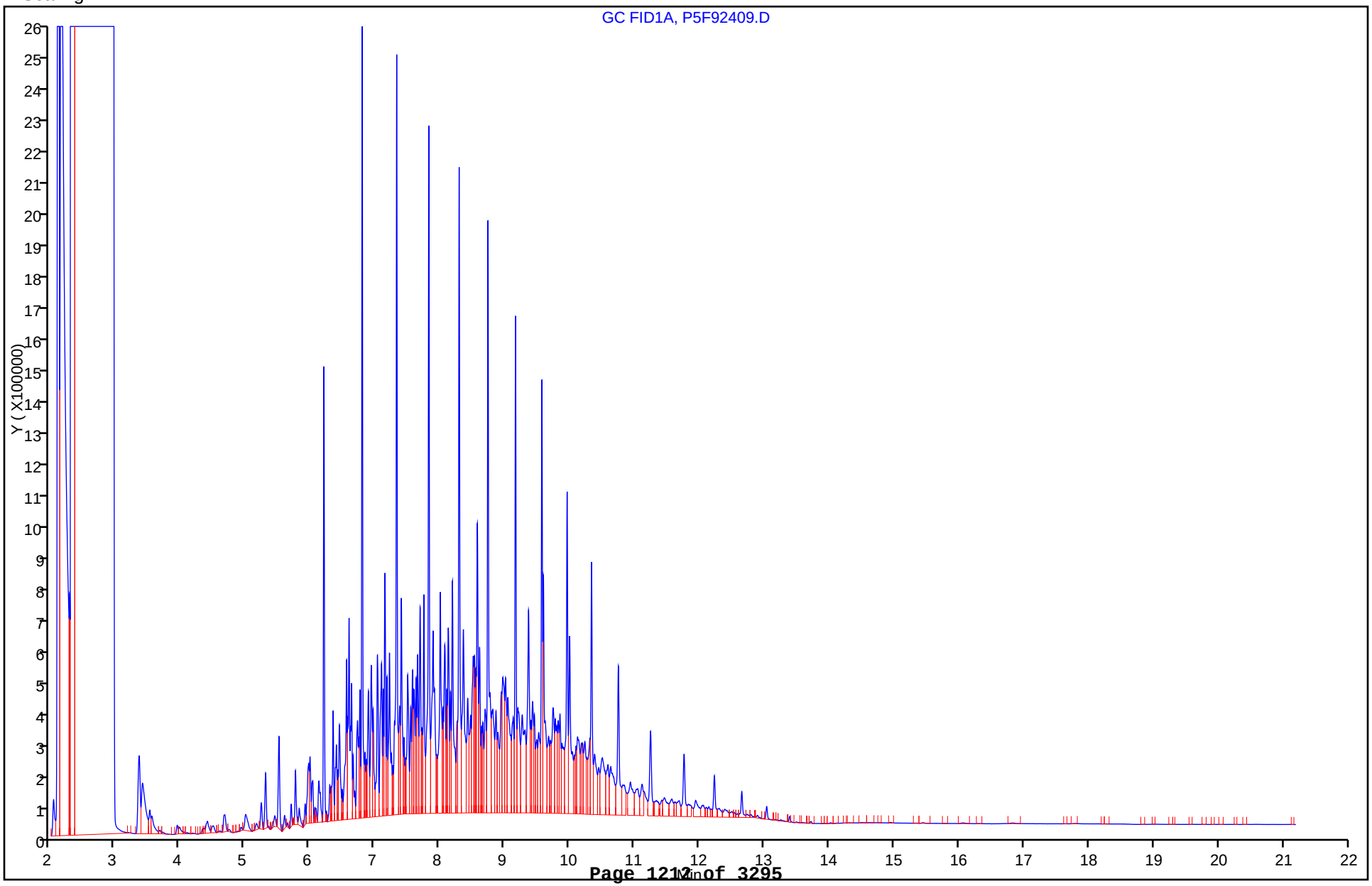
Report Date: 25-Sep-2012 15:24:20 Chrom Revision: 2.0 21-Aug-2012 09:09:58

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92409.D

Injection Date:	24-Sep-2012 16:49:32	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5F
Lims Batch ID:	58815	Lims Sample ID:	9
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-68949/5 Calibration Date: 12/17/2012 14:02

Instrument ID: A2HP5F Calib Start Date: 09/24/2012 14:20

GC Column: ID: Calib End Date: 09/24/2012 16:19

Lab File ID: P5F10005.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10 - C28]	Ave	184142	179942		489	500	-2.3	20.0
n-Nonane	Ave	194089	143410		36.9	50.0	-26.1*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-68949/5 Calibration Date: 12/17/2012 14:02

Instrument ID: A2HP5F Calib Start Date: 09/24/2012 14:20

GC Column: ID: Calib End Date: 09/24/2012 16:19

Lab File ID: P5F10005.D

Analyte	RT	RT WINDOW	
		FROM	TO
Diesel Range Organics [C10 - C28]	9.43	5.24	13.62
n-Nonane	4.26	4.19	4.33

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5F\20121217-15908.b\P5F10005.D		
Lims ID:	CCV DIESEL	Client ID:	
Inject. Date:	17-Dec-2012 14:02:55	Dil. Factor:	1.0000
Sample Type:	CCVRT		
Sample ID:	240-0015908-005		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP5F
Injection Vol:	1.0 ul	ALS Bottle#:	5
Lims Batch ID:	68949	Lims Sample ID:	5
Sublist:	chrom-TPH5F*sub1		
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP5F\20121217-15908.b\TPH5F.m		
Last Update:	18-Dec-2012 09:46:20	Calib Date:	24-Sep-2012 19:19:01
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92414.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK033		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
4.262	4.262	0.000	7170505	36.9	
A 15 Diesel					
9.430	5.244 - 13.616		89971114	488.6	

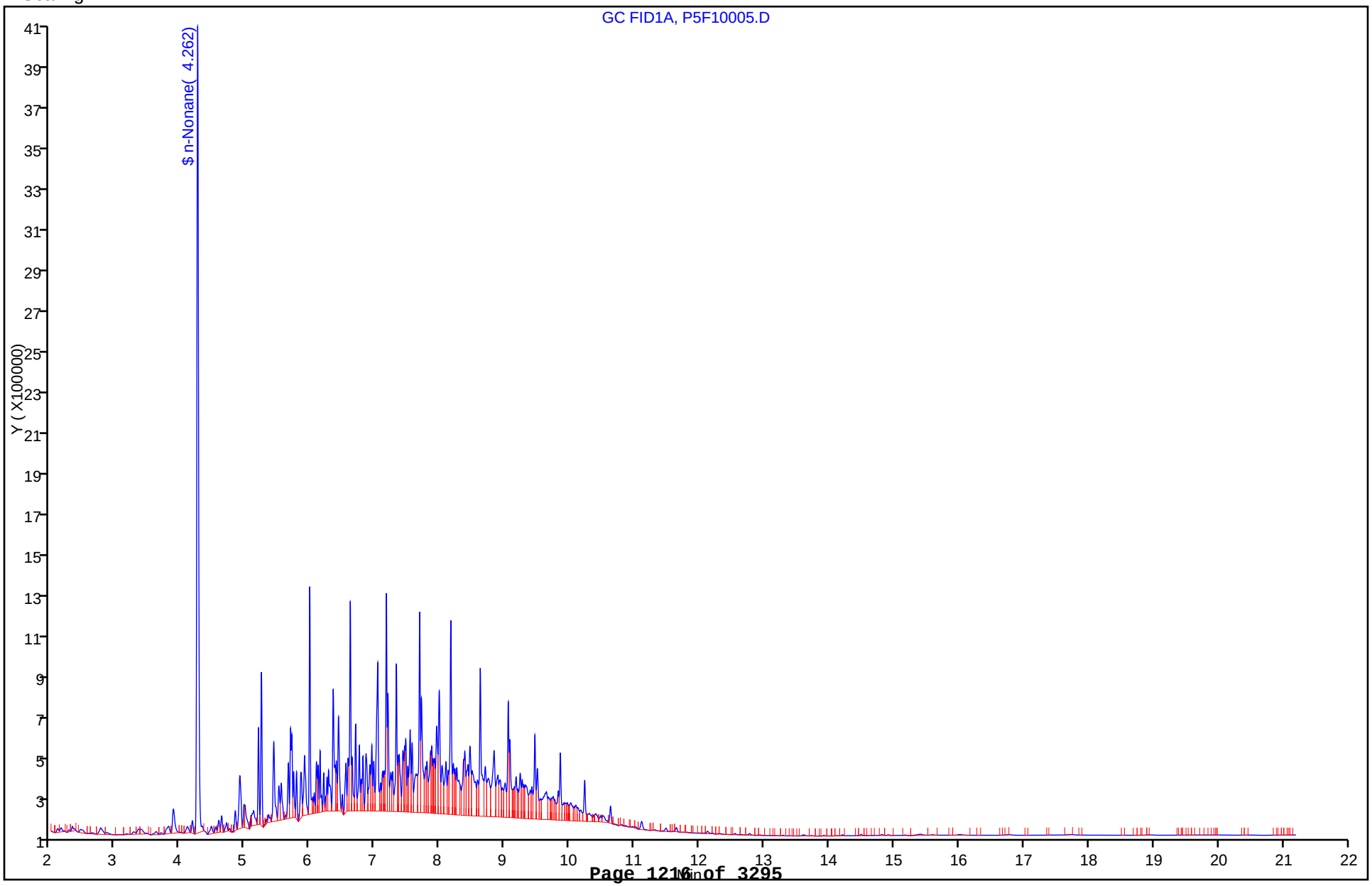
Report Date: 18-Dec-2012 09:46:20 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5F\20121217-15908.b\P5F10005.D

Injection Date:	17-Dec-2012 14:02:55	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5F
Lims Batch ID:	68949	Lims Sample ID:	5
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-68949/16 Calibration Date: 12/17/2012 19:35

Instrument ID: A2HP5F Calib Start Date: 09/24/2012 14:20

GC Column: ID: Calib End Date: 09/24/2012 16:19

Lab File ID: P5F10016.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10 - C28]	Ave	184142	192175		522	500	4.4	20.0
n-Nonane	Ave	194089	151463		39.0	50.0	-22.0*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-68949/16 Calibration Date: 12/17/2012 19:35

Instrument ID: A2HP5F Calib Start Date: 09/24/2012 14:20

GC Column: ID: Calib End Date: 09/24/2012 16:19

Lab File ID: P5F10016.D

Analyte	RT	RT WINDOW	
		FROM	TO
Diesel Range Organics [C10 - C28]	9.43	5.24	13.62
n-Nonane	4.27	4.19	4.33

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5F\20121217-15908.b\P5F10016.D		
Lims ID:	CCV DIESEL	Client ID:	
Inject. Date:	17-Dec-2012 19:35:19	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0015908-016		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP5F
Injection Vol:	1.0 ul	ALS Bottle#:	16
Lims Batch ID:	68949	Lims Sample ID:	16
Sublist:	chrom-TPH5F*sub1		
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP5F\20121217-15908.b\TPH5F.m		
Last Update:	18-Dec-2012 09:46:25	Calib Date:	24-Sep-2012 19:19:01
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92414.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK033		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
4.265	4.262	0.003	7573146	39.0	
A 15 Diesel					
9.430	5.244 - 13.616		96087478	521.8	

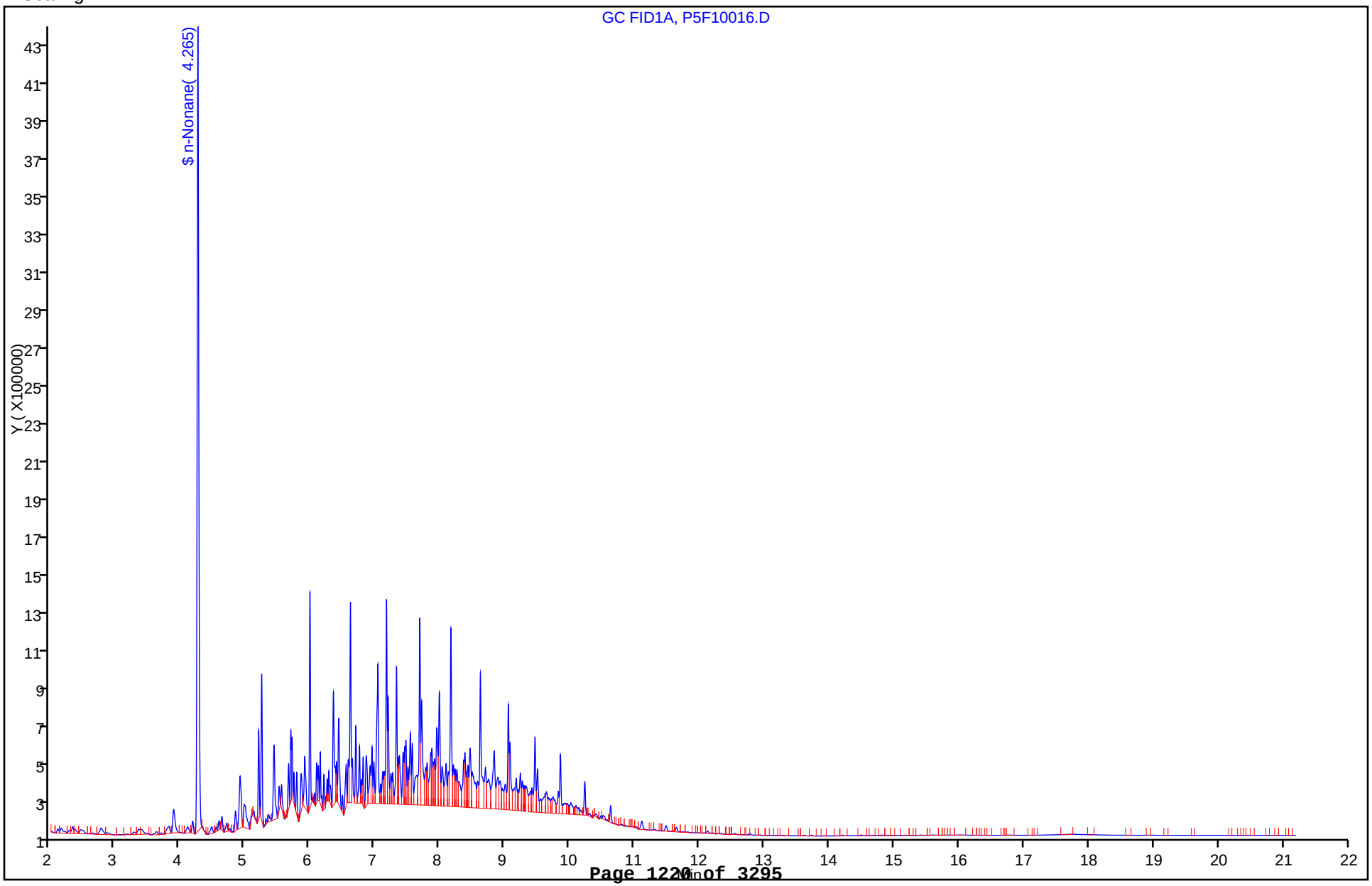
Report Date: 18-Dec-2012 09:46:25 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5F\20121217-15908.b\P5F10016.D

Injection Date:	17-Dec-2012 19:35:19	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5F
Lims Batch ID:	68949	Lims Sample ID:	16
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-68949/22 Calibration Date: 12/17/2012 22:35

Instrument ID: A2HP5F Calib Start Date: 09/24/2012 14:20

GC Column: ID: Calib End Date: 09/24/2012 16:19

Lab File ID: P5F10022.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10 - C28]	Ave	184142	207640		564	500	12.8	20.0
n-Nonane	Ave	194089	164415		42.4	50.0	-15.3	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-68949/22 Calibration Date: 12/17/2012 22:35

Instrument ID: A2HP5F Calib Start Date: 09/24/2012 14:20

GC Column: ID: Calib End Date: 09/24/2012 16:19

Lab File ID: P5F10022.D

Analyte	RT	RT WINDOW	
		FROM	TO
Diesel Range Organics [C10 - C28]	9.43	5.24	13.62
n-Nonane	4.26	4.19	4.33

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5F\20121217-15908.b\P5F10022.D		
Lims ID:	CCV DIESEL	Client ID:	
Inject. Date:	17-Dec-2012 22:35:16	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0015908-022		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP5F
Injection Vol:	1.0 ul	ALS Bottle#:	22
Lims Batch ID:	68949	Lims Sample ID:	22
Sublist:	chrom-TPH5F*sub1		
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP5F\20121217-15908.b\TPH5F.m		
Last Update:	18-Dec-2012 09:46:28	Calib Date:	24-Sep-2012 19:19:01
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92414.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK033		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
4.264	4.262	0.002	8220747	42.4	
A 15 Diesel					
9.430	5.244 - 13.616		103820175	563.8	

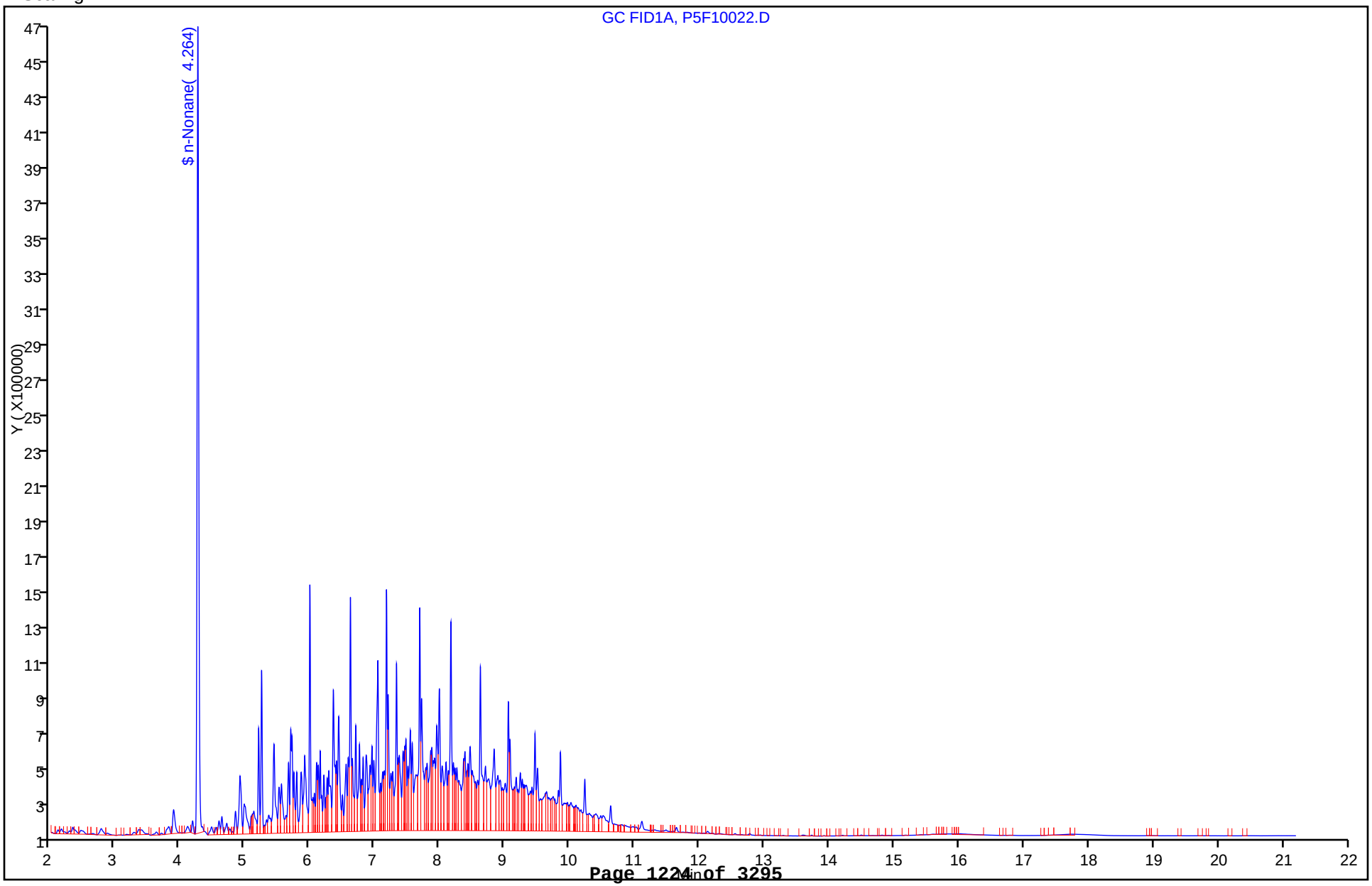
Report Date: 18-Dec-2012 09:46:28 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5F\20121217-15908.b\P5F10022.D

Injection Date:	17-Dec-2012 22:35:16	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5F
Lims Batch ID:	68949	Lims Sample ID:	22
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-68549/15-A

Matrix: Water | Lab File ID: P5F10006.D

Analysis Method: 8015B_DRO/DOD | Date Collected:

Extraction Method: 3520C | Date Extracted: 12/13/2012 11:26

Sample wt/vol: 1000(mL) | Date Analyzed: 12/17/2012 14:33

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: | ID:

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 68949 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	240	U	500	240	240
STL00272	C20-C34	240	U	500	240	240

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	50		10-110

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP5F\20121217-15908.b\P5F10006.D
Lims ID: MB 240-68549/15-A Client ID:
Inject. Date: 17-Dec-2012 14:33:17 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0015908-006
Misc. Info.:
Operator: 4275 Instrument ID: A2HP5F
Injection Vol: 1.0 ul ALS Bottle#: 6
Lims Batch ID: 68949 Lims Sample ID: 6
Detector: GC FID1A

Method: \\Ncchrom\ChromData\A2HP5F\20121217-15908.b\TPH5F.m
Last Update: 18-Dec-2012 09:46:20 Calib Date: 24-Sep-2012 19:19:01
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92414.D
Limit Group: GC 8015C TPH ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK033

	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
1	Tetratetracontane					1
	23.884					
A 2	C28-C36					
	13.696 - 16.892					
A 3	C10-C34					
	5.244 - 15.592					
A 4	C32-C44					1
	0.0 - 0.100					
A 5	C12-C22					
	6.616 - 11.110					
A 6	C22-C32					
	11.110 - 14.813					
7	n-Octane					
	2.796	2.754	0.042	46909	0	
$ 8	n-Nonane					
	4.264	4.262	0.002	9776466	50.4	
9	n-Decane					
	5.246	5.244	0.002	20251	0	
10	Dodecane					
	6.593	6.616	-0.023	2153	0	
11	n-Tetradecane					
	7.660	7.686	-0.026	2517	0	
A 12	C10-C20					
	5.244 - 10.231					
13	Hexadecane					
	8.643	8.620	0.023	6184	0	
A 14	C10-C28					
	5.189 - 13.696					

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
A 15 Diesel					
5.244 - 13.616					
16 n-Octadecane					
9.476	9.463	0.013	567	0	
A 17 C10-C32					
5.244 - 14.813					
18 icosane					
10.232	10.231	0.001	1784	0	
19 n-Docosane					
11.092	11.110	-0.018	1792	0	
A 20 C12-C24					
3.039 - 6.058					
21 n-Tetracosane					
12.131	12.124	0.007	1626	0	
A 22 C20-C34					
10.231 - 15.592					
23 n-Hexacosane					
12.943	12.936	0.007	1297	0	
24 n-Octacosane					
13.614	13.616	-0.002	11006	0	
25 Triacontane					
14.210	14.207	0.003	7084	0	
26 Dotriacontane					
14.817	14.813	0.004	15147	0	
27 Tetratriacontane					
15.599	15.592	0.007	23992	0	
A 28 C24-C40					
12.124 - 20.355					
29 n-Hexatriacontane					
16.655	16.664	-0.009	5154	0	
30 C38					
18.166	18.196	-0.030	8621	0	
31 C40					
20.380	20.355	0.025	4727	0	
A 32 C20-C36					
10.231 - 16.664					
A 34 C24-C44					
12.124 - 23.884					
A 35 C10-C24					
3.117 - 4.463					

QC Flag Legend

Processing Flags
1 - Missing Peaks

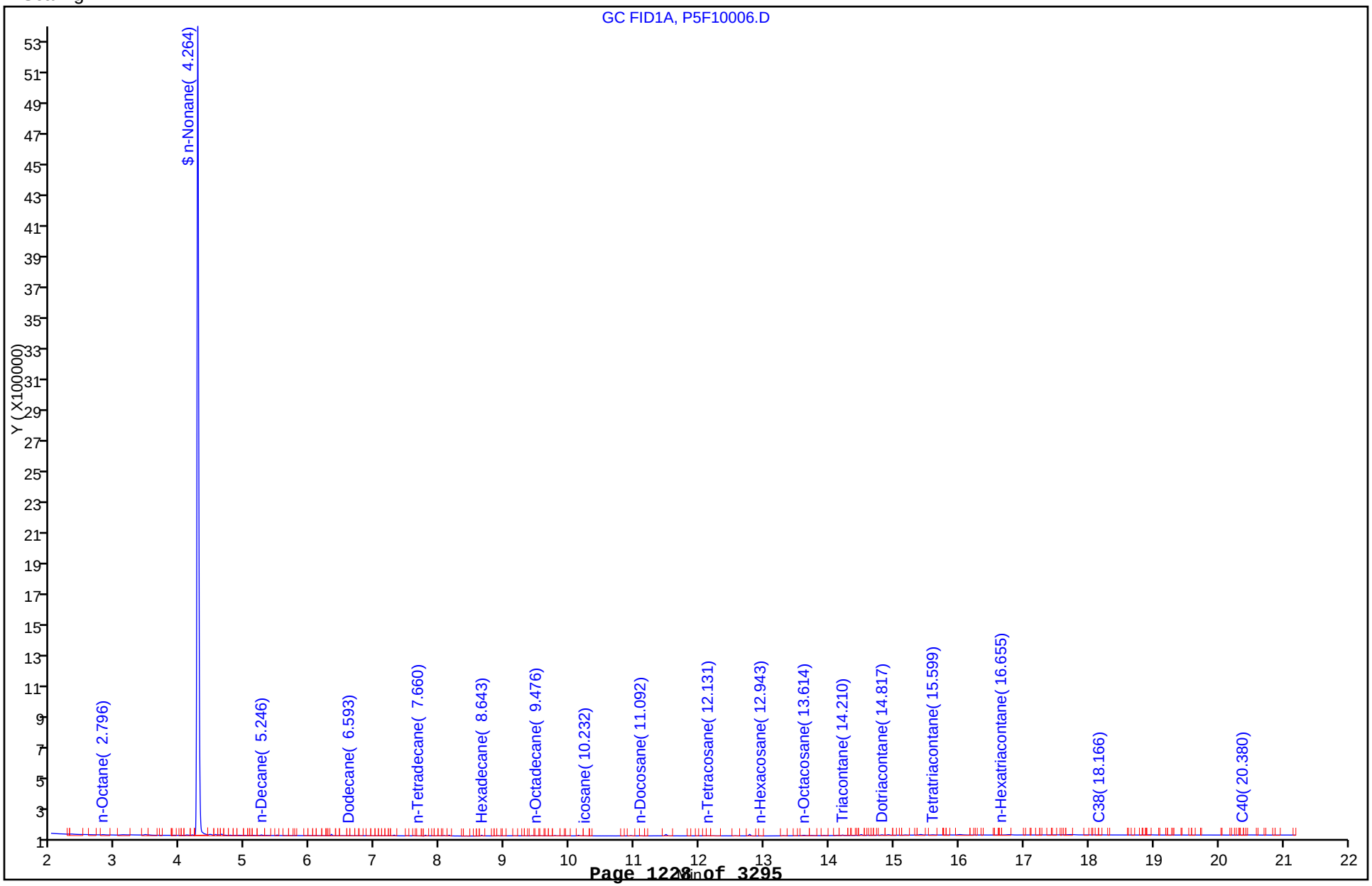
Report Date: 18-Dec-2012 09:46:21 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5F\20121217-15908.b\P5F10006.D

Injection Date:	17-Dec-2012 14:33:17	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5F
Lims Batch ID:	68949	Lims Sample ID:	6
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-68549/16-A

Matrix: Water Lab File ID: P5F10007.D

Analysis Method: 8015B_DRO/DOD Date Collected:

Extraction Method: 3520C Date Extracted: 12/13/2012 11:26

Sample wt/vol: 1000(mL) Date Analyzed: 12/17/2012 15:03

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ID:

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 68949 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	74		10-110

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5F\20121217-15908.b\P5F10007.D		
Lims ID:	LCS 240-68549/16-A	Client ID:	
Inject. Date:	17-Dec-2012 15:03:55	Dil. Factor:	1.0000
Sample Type:	LCS		
Sample ID:	240-0015908-007		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP5F
Injection Vol:	1.0 ul	ALS Bottle#:	7
Lims Batch ID:	68949	Lims Sample ID:	7
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP5F\20121217-15908.b\TPH5F.m		
Last Update:	18-Dec-2012 09:46:20	Calib Date:	24-Sep-2012 19:19:01
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92414.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK033		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
4.263	4.262	0.001	14369014	74.0	
A 15 Diesel					
9.430	5.244 - 13.616		85349546	463.5	

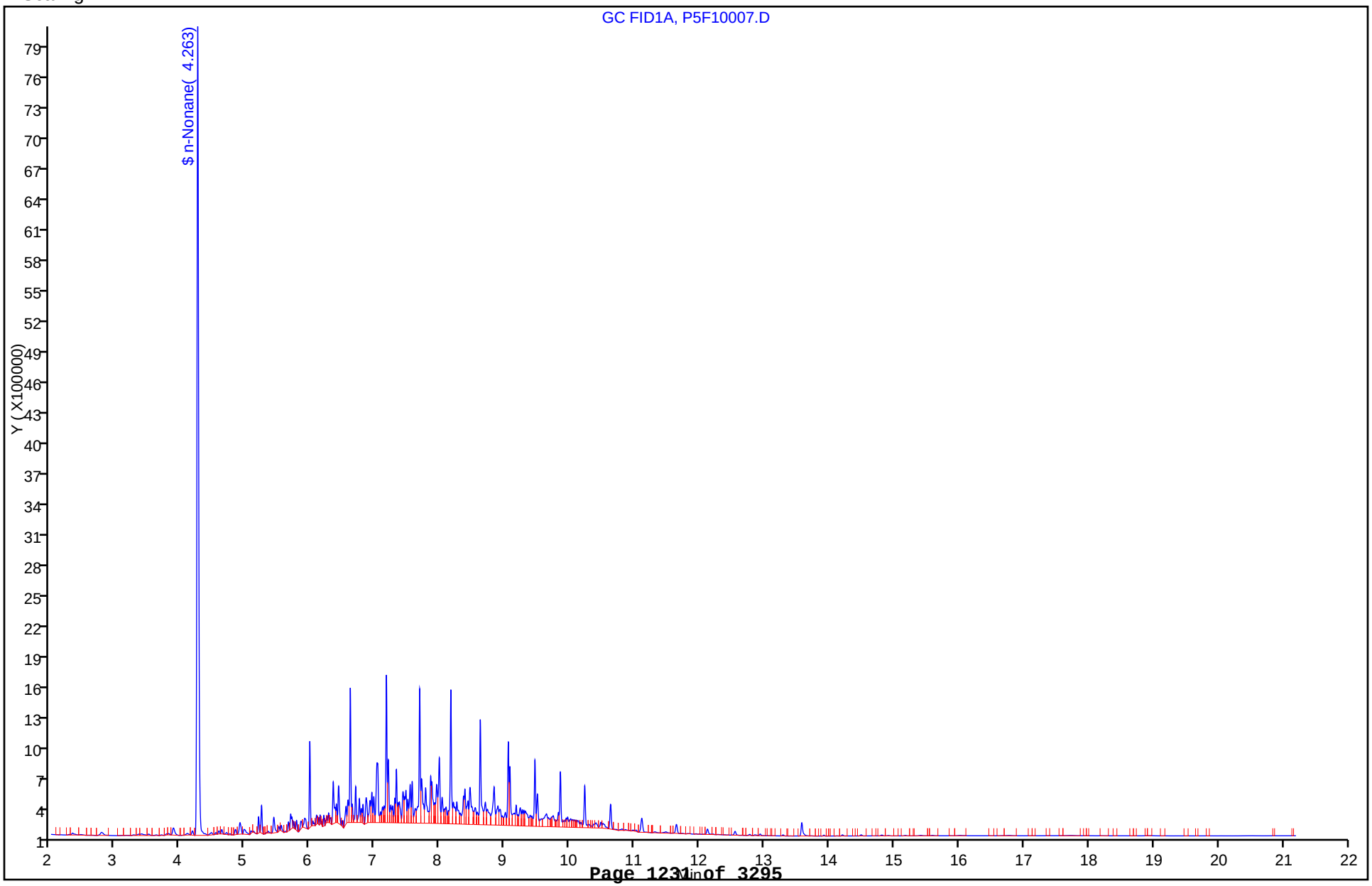
Report Date: 18-Dec-2012 09:46:21 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5F\20121217-15908.b\P5F10007.D

Injection Date:	17-Dec-2012 15:03:55	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5F
Lims Batch ID:	68949	Lims Sample ID:	7
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-68949/4

Matrix: Water Lab File ID: P5F10004.D

Analysis Method: 8015B_DRO/DOD Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 12/17/2012 13:32

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ID:

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 68949 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	74.4	J	100	48	48
STL00272	C20-C34	48	U	100	48	48

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	74		70-130

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP5F\20121217-15908.b\P5F10004.D
Lims ID: MRL Client ID:
Inject. Date: 17-Dec-2012 13:32:25 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0015908-004
Misc. Info.:
Operator: 4275 Instrument ID: A2HP5F
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 68949 Lims Sample ID: 4
Detector: GC FID1A

Method: \\Ncchrom\ChromData\A2HP5F\20121217-15908.b\TPH5F.m
Last Update: 18-Dec-2012 09:46:18 Calib Date: 24-Sep-2012 19:19:01
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92414.D
Limit Group: GC 8015C TPH ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK033

	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
	1 Tetratetracontane					1
	23.884					
A	2 C28-C36					
	13.696	-16.892				
A	3 C10-C34					
	10.418	5.244 - 15.592		18628604	101.2	
A	4 C32-C44					1
	0.0 -	0.100				
A	5 C12-C22					
	8.863	6.616 - 11.110		11933407	64.8	
A	6 C22-C32					
	11.110	-14.813				
	7 n-Octane					
	2.771	2.754	0.017	24090	0	
$	8 n-Nonane					
	4.262	4.262	0.000	1432232	7.38	
	9 n-Decane					
	5.246	5.244	0.002	193950	0	
	10 Dodecane					
	6.616	6.616	0.000	253228	0	
	11 n-Tetradecane					
	7.685	7.686	-0.001	291202	0	
A	12 C10-C20					
	7.719	5.244 - 10.231		13693524	74.4	
	13 Hexadecane					
	8.620	8.620	0.000	288135	0	
A	14 C10-C28					
	9.442	5.189 - 13.696		18386790	91.5	

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
A 15 Diesel					
9.430	5.244 - 13.616		18144619	98.5	
16 n-Octadecane					
9.462	9.463	-0.001	133369	0	
A 17 C10-C32					
10.029	5.244 - 14.813		18366635	99.7	
18 icosane					
10.231	10.231	0.000	62339	0	
19 n-Docosane					
11.111	11.110	0.001	17342	0	
A 20 C12-C24					
	3.039 - 6.058				
21 n-Tetracosane					
12.128	12.124	0.004	5370	0	
A 22 C20-C34					
	10.231 - 15.592				
23 n-Hexacosane					
12.941	12.936	0.005	1881	0	
24 n-Octacosane					
13.616	13.616	0.000	2933	0	
25 Triacontane					
14.208	14.207	0.001	2648	0	
26 Dotriacontane					
14.812	14.813	-0.001	5373	0	
27 Tetratriacontane					
15.604	15.592	0.012	3188	0	
A 28 C24-C40					
	12.124 - 20.355				
29 n-Hexatriacontane					
16.643	16.664	-0.021	1950	0	
30 C38					
18.212	18.196	0.016	4030	0	
31 C40					
20.340	20.355	-0.015	2587	0	
A 32 C20-C36					
	10.231 - 16.664				
A 34 C24-C44					
	12.124 - 23.884				
A 35 C10-C24					
	3.117 - 4.463				

QC Flag Legend

Processing Flags
1 - Missing Peaks

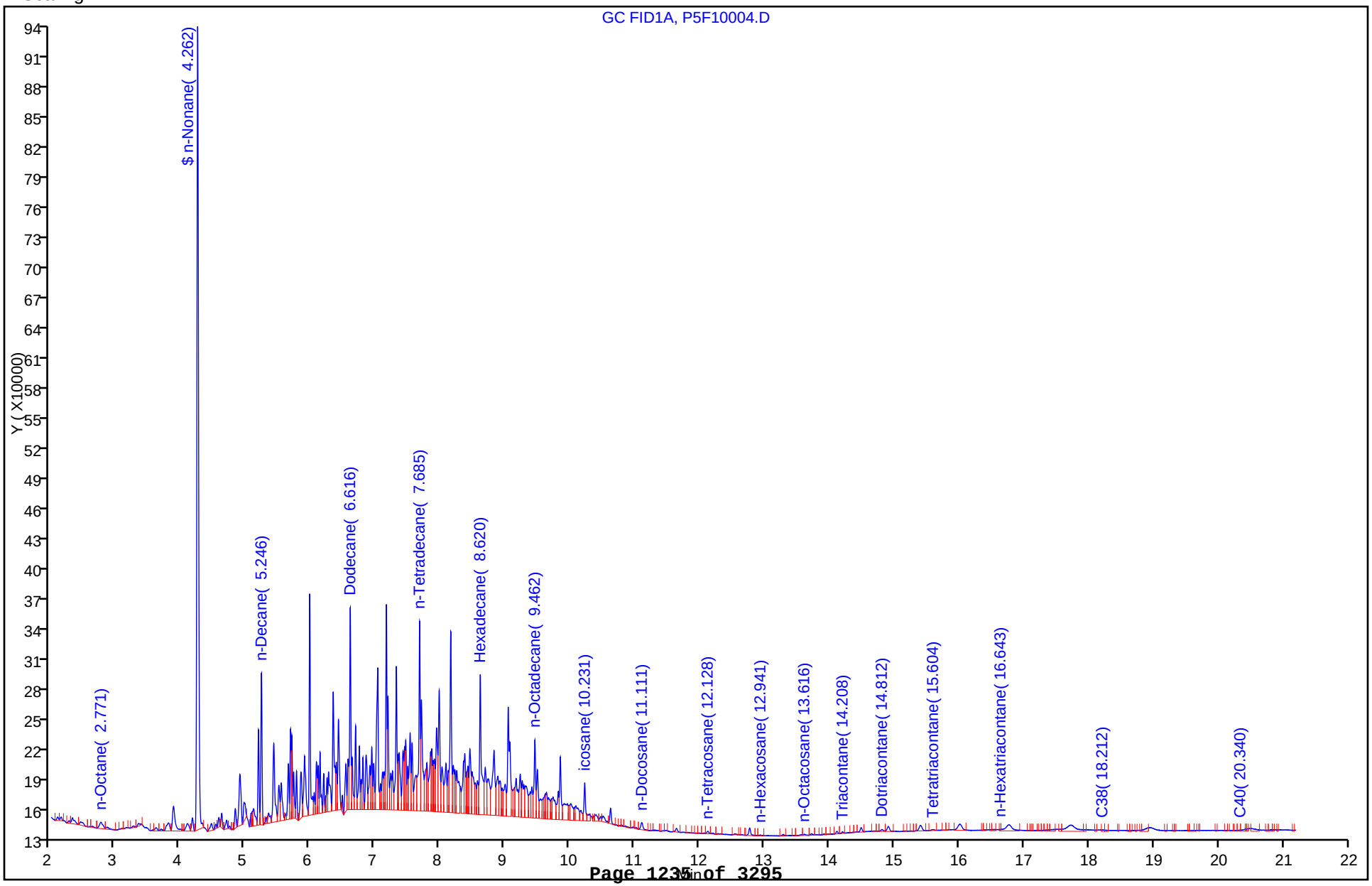
Report Date: 18-Dec-2012 09:46:19 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5F\20121217-15908.b\P5F10004.D

Injection Date:	17-Dec-2012 13:32:25	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5F
Lims Batch ID:	68949	Lims Sample ID:	4
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-68949/23

Matrix: Water | Lab File ID: P5F10023.D

Analysis Method: 8015B_DRO/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/17/2012 23:05

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ID:

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 68949 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	78.4	J	100	48	48
STL00272	C20-C34	48	U	100	48	48

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	78		70-130

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP5F\20121217-15908.b\P5F10023.D
Lims ID: MRL Client ID:
Inject. Date: 17-Dec-2012 23:05:17 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0015908-023
Misc. Info.:
Operator: 4275 Instrument ID: A2HP5F
Injection Vol: 1.0 ul ALS Bottle#: 23
Lims Batch ID: 68949 Lims Sample ID: 23
Detector: GC FID1A

Method: \\Ncchrom\ChromData\A2HP5F\20121217-15908.b\TPH5F.m
Last Update: 18-Dec-2012 09:46:28 Calib Date: 24-Sep-2012 19:19:01
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92414.D
Limit Group: GC 8015C TPH ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK033

	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
	1 Tetratetracontane					1
		23.884				
A	2 C28-C36					
		13.696	-16.892			
A	3 C10-C34					
	10.418	5.244	- 15.592	20547720	111.6	
A	4 C32-C44					1
		0.0	- 0.100			
A	5 C12-C22					
	8.863	6.616	- 11.110	12721498	69.1	
A	6 C22-C32					
		11.110	-14.813			
	7 n-Octane					
	2.774	2.754	0.020	25155	0	
$	8 n-Nonane					
	4.264	4.262	0.002	1510093	7.78	
	9 n-Decane					
	5.247	5.244	0.003	225653	0	
	10 Dodecane					
	6.617	6.616	0.001	316940	0	
	11 n-Tetradecane					
	7.687	7.686	0.001	390881	0	
A	12 C10-C20					
	7.719	5.244	- 10.231	14437580	78.4	
	13 Hexadecane					
	8.622	8.620	0.002	379808	0	
A	14 C10-C28					
	9.442	5.189	- 13.696	20073479	99.9	

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
A 15 Diesel					
9.430	5.244 - 13.616		19825217	107.7	
16 n-Octadecane					
9.464	9.463	0.001	176210	0	
A 17 C10-C32					
10.029	5.244 - 14.813		20069461	109.0	
18 icosane					
10.232	10.231	0.001	100453	0	
19 n-Docosane					
11.114	11.110	0.004	23339	0	
A 20 C12-C24					
	3.039 - 6.058				
21 n-Tetracosane					
12.131	12.124	0.007	4360	0	
A 22 C20-C34					
	10.231 - 15.592				
23 n-Hexacosane					
12.938	12.936	0.002	1099	0	
24 n-Octacosane					
13.621	13.616	0.005	1625	0	
25 Triacontane					
14.212	14.207	0.005	2206	0	
26 Dotriacontane					
14.827	14.813	0.014	2615	0	
27 Tetratriacontane					
15.600	15.592	0.008	46119	0	
A 28 C24-C40					
	12.124 - 20.355				
29 n-Hexatriacontane					
16.714	16.664	0.050	2526	0	
30 C38					
18.219	18.196	0.023	3186	0	
31 C40					
20.357	20.355	0.002	404	0	
A 32 C20-C36					
	10.231 - 16.664				
A 34 C24-C44					
	12.124 - 23.884				
A 35 C10-C24					
	3.117 - 4.463				

QC Flag Legend

Processing Flags
1 - Missing Peaks

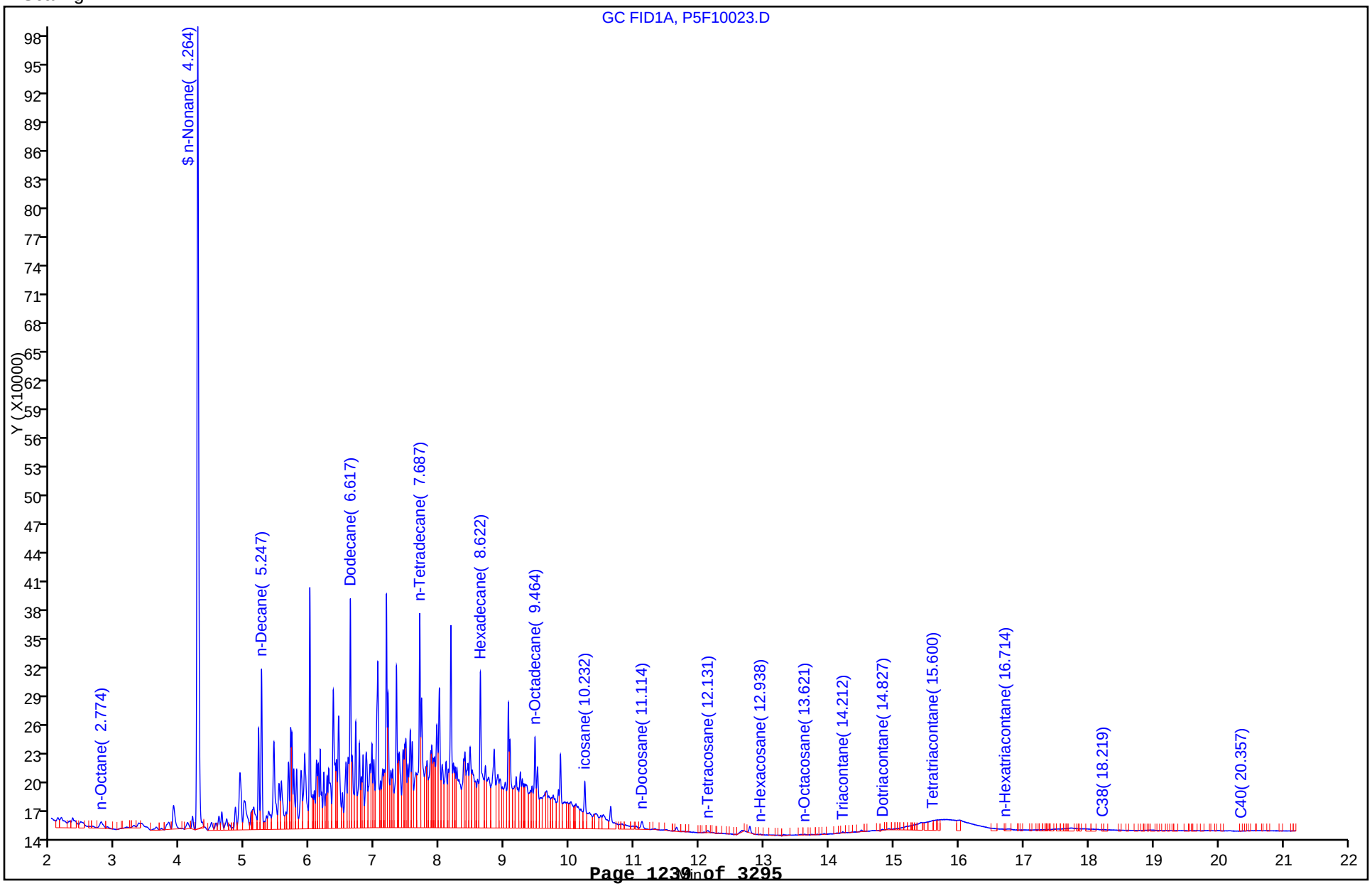
Report Date: 18-Dec-2012 09:46:29 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5F\20121217-15908.b\P5F10023.D

Injection Date:	17-Dec-2012 23:05:17	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5F
Lims Batch ID:	68949	Lims Sample ID:	23
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A2HP5F Start Date: 09/24/2012 14:20

Analysis Batch Number: 58815 End Date: 09/25/2012 01:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD1 240-58815/4 IC		09/24/2012 14:20	1	P5F92404.D	
STD2 240-58815/5 IC		09/24/2012 14:50	1	P5F92405.D	
STD3 240-58815/6 ICRT		09/24/2012 15:19	1	P5F92406.D	
STD4 240-58815/7 IC		09/24/2012 15:49	1	P5F92407.D	
STD5 240-58815/8 IC		09/24/2012 16:19	1	P5F92408.D	
ICV 240-58815/9		09/24/2012 16:49	1	P5F92409.D	
STD1 240-58815/10 IC		09/24/2012 17:19	1		
STD2 240-58815/11 IC		09/24/2012 17:49	1		
STD3 240-58815/12 ICRT		09/24/2012 18:19	1		
STD4 240-58815/13 IC		09/24/2012 18:48	1		
STD5 240-58815/14 IC		09/24/2012 19:19	1		
ICV 240-58815/15		09/24/2012 19:49	1		
CCV 240-58815/16		09/24/2012 20:19	1		
ZZZZZ		09/24/2012 20:49	1		
ZZZZZ		09/24/2012 21:20	1		
ZZZZZ		09/24/2012 21:50	1		
ZZZZZ		09/24/2012 22:20	1		
ZZZZZ		09/24/2012 22:50	1		
ZZZZZ		09/24/2012 23:20	1		
ZZZZZ		09/24/2012 23:51	1		
ZZZZZ		09/25/2012 00:21	1		
ZZZZZ		09/25/2012 00:51	1		
CCV 240-58815/26		09/25/2012 01:21	1		

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A2HP5F Start Date: 12/17/2012 13:32

Analysis Batch Number: 68949 End Date: 12/17/2012 23:05

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
MRL 240-68949/4		12/17/2012 13:32	1	P5F10004.D	
CCV 240-68949/5 CCVRT		12/17/2012 14:02	1	P5F10005.D	
MB 240-68549/15-A		12/17/2012 14:33	1	P5F10006.D	
LCS 240-68549/16-A		12/17/2012 15:03	1	P5F10007.D	
ZZZZZ		12/17/2012 15:34	1		
ZZZZZ		12/17/2012 16:04	1		
ZZZZZ		12/17/2012 16:35	1		
ZZZZZ		12/17/2012 17:05	1		
ZZZZZ		12/17/2012 17:35	1		
ZZZZZ		12/17/2012 18:05	1		
ZZZZZ		12/17/2012 18:35	1		
ZZZZZ		12/17/2012 19:05	1		
CCV 240-68949/16		12/17/2012 19:35	1	P5F10016.D	
ZZZZZ		12/17/2012 20:05	1		
ZZZZZ		12/17/2012 20:35	1		
ZZZZZ		12/17/2012 21:05	1		
240-18735-3	070-0056-0001-SOURCE WATER	12/17/2012 21:35	1	P5F10020.D	
240-18735-4	070-0057-0001-SOURCE WATER	12/17/2012 22:05	1	P5F10021.D	
CCV 240-68949/22		12/17/2012 22:35	1	P5F10022.D	
MRL 240-68949/23		12/17/2012 23:05	1	P5F10023.D	

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Batch Number: 68549 Batch Start Date: 12/13/12 12:45 Batch Analyst: Coast, Chris

Batch Method: 3520C Batch End Date: 12/14/12 06:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH	EXDIESELSPKW 00021	EXTPHSURR 00016
240-18735-N-3	070-0056-0001-SOURCE WATER	3520C, 8015B_DRO/DOD	T	1050 mL	5 mL	7	2		1 mL
240-18735-M-4	070-0057-0001-SOURCE WATER	3520C, 8015B_DRO/DOD	T	1050 mL	5 mL	7	2		1 mL
MB 240-68549/15		3520C, 8015B_DRO/DOD		1000 mL	5 mL	7	2		1 mL
LCS 240-68549/16		3520C, 8015B_DRO/DOD		1000 mL	5 mL	7	2	1 mL	1 mL

Batch Notes	
Acid used for pH adjust Lot #	711898
Person's name who did the concentration	ac/bm
Na2SO4 Lot Number	677245
Prep Solvent Lot #	781166

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8081 DOD

Organochlorine Pesticides (GC) by Method 8081A/DOD

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Solid (TCLP) Level: Low

GC Column (1): CLP-1 ID: 0.53 (mm) GC Column (2): CLP-2 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
070-0058-0001-IDW	240-18735-5	75	76	81 M	76 M
	MB 240-70005/5-A	65	65	74	70
	LCS 240-70005/4-A	78	77	72	69
070-0059-0001-IDW MS	240-18735-6 MS	88	82	18 Q	18 Q

	QC LIMITS
TCX = Tetrachloro-m-xylene	44-127
DCB = DCB Decachlorobiphenyl	44-144

Column to be used to flag recovery values

FORM II 8081/DOD

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low

GC Column (1): CLP-1 ID: 0.53 (mm) GC Column (2): CLP-2 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
070-0056-0001-SOURCE WATER	240-18735-3	74	79	61	61
070-0057-0001-SOURCE WATER	240-18735-4	79 M	80	64	63
	MB 240-68554/4-A	82	77	77	75 M
	LCS 240-68554/5-A	76	79	39	41

	QC LIMITS
TCX = Tetrachloro-m-xylene	25-140
DCB = DCB Decachlorobiphenyl	30-135

Column to be used to flag recovery values

FORM II 8081/DOD

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water (TCLP) Level: Low

GC Column (1): CLP-1 ID: 0.53 (mm) GC Column (2): CLP-2 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
070-0059-0001-IDW	240-18735-6	66	71	13 Q	14 Q

	QC LIMITS
TCX = Tetrachloro-m-xylene	44-127
DCB = DCB Decachlorobiphenyl	44-144

Column to be used to flag recovery values

FORM II 8081/DOD

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low Lab File ID: P9121809.D

Lab ID: LCS 240-68554/5-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
4,4'-DDD	0.500	0.409	82	25-150	
4,4'-DDE	0.500	0.378	76	35-140	
4,4'-DDT	0.500	0.391	78	45-140	
Aldrin	0.500	0.362	72	25-140	
alpha-BHC	0.500	0.373	75	60-130	
alpha-Chlordane	0.500	0.363	73	65-125	
beta-BHC	0.500	0.369	74	65-125	
delta-BHC	0.500	0.382	76	45-135	
Dieldrin	0.500	0.388	78	60-130	
Endosulfan I	0.500	0.330	66	50-110	
Endosulfan II	0.500	0.347	69	30-130	
Endosulfan sulfate	0.500	0.378	76	55-135	
Endrin	0.500	0.389	78	55-135	
Endrin aldehyde	0.500	0.380	76	55-135	
Endrin ketone	0.500	0.391	78	75-125	
gamma-BHC (Lindane)	0.500	0.378	76	25-135	
gamma-Chlordane	0.500	0.380	76	60-125	
Heptachlor	0.500	0.381	76	40-130	
Heptachlor epoxide	0.500	0.384	77	60-130	
Methoxychlor	0.500	0.377	75	55-150	

Column to be used to flag recovery and RPD values

FORM III 8081/DOD

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low Lab File ID: P9010613.D

Lab ID: LCS 240-70005/4-A Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
Endrin	0.00200	0.00182 J	91	56-144	D
gamma-BHC (Lindane)	0.00200	0.00170 J	85	60-139	D
Heptachlor	0.00200	0.00170 J	85	65-123	D
Heptachlor epoxide	0.00200	0.00203 J	102	62-141	D
Methoxychlor	0.00400	0.00323 J	81	52-138	D

Column to be used to flag recovery and RPD values

FORM III 8081/DOD

FORM III
GC SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low Lab File ID: P9121808.D

Lab ID: MRL 240-69152/8 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
4,4'-DDD	0.00500	0.00581	116	70-130	
4,4'-DDD	0.00500	0.00634	127	70-130	
4,4'-DDE	0.00500	0.00545	109	70-130	
4,4'-DDE	0.00500	0.00597	119	70-130	
4,4'-DDT	0.00500	0.00506	101	70-130	
4,4'-DDT	0.00500	0.00505	101	70-130	
Aldrin	0.00500	0.00539	108	70-130	
Aldrin	0.00500	0.00579	116	70-130	
alpha-BHC	0.00500	0.00519	104	70-130	
alpha-BHC	0.00500	0.00531	106	70-130	
alpha-Chlordane	0.00500	0.00565	113	70-130	
alpha-Chlordane	0.00500	0.00641	128	70-130	
beta-BHC	0.00500	0.00589	118	70-130	
beta-BHC	0.00500	0.00677	135	70-130	^
delta-BHC	0.00500	0.00528	106	70-130	
delta-BHC	0.00500	0.00568	114	70-130	
Dieldrin	0.00500	0.00577	115	70-130	
Dieldrin	0.00500	0.00638	128	70-130	
Endosulfan I	0.00500	0.00609	122	70-130	
Endosulfan I	0.00500	0.00685	137	70-130	^
Endosulfan II	0.00500	0.00597	119	70-130	
Endosulfan II	0.00500	0.00625	125	70-130	
Endosulfan sulfate	0.00500	0.00585	117	70-130	
Endosulfan sulfate	0.00500	0.00611	122	70-130	
Endrin	0.00500	0.00614	123	70-130	
Endrin	0.00500	0.00648	130	70-130	
Endrin aldehyde	0.00500	0.00595	119	70-130	
Endrin aldehyde	0.00500	0.00646	129	70-130	
Endrin ketone	0.00500	0.00593	119	70-130	
Endrin ketone	0.00500	0.00589	118	70-130	
gamma-BHC (Lindane)	0.00500	0.00546	109	70-130	
gamma-BHC (Lindane)	0.00500	0.00591	118	70-130	
gamma-Chlordane	0.00500	0.00566	113	70-130	
gamma-Chlordane	0.00500	0.00637	127	70-130	
Heptachlor	0.00500	0.00599	120	70-130	
Heptachlor	0.00500	0.00669	134	70-130	^
Heptachlor epoxide	0.00500	0.00592	118	70-130	
Heptachlor epoxide	0.00500	0.00655	131	70-130	^
Methoxychlor	0.00500	0.00558 J	112	70-130	
Methoxychlor	0.00500	0.00529 J	106	70-130	

Column to be used to flag recovery and RPD values

FORM III 8081/DOD

FORM III
GC SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low Lab File ID: P9121822.D

Lab ID: MRL 240-69152/22 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
4,4'-DDD	0.00500	0.00506	101	70-130	
4,4'-DDD	0.00500	0.00530	106	70-130	
4,4'-DDE	0.00500	0.00492 J	98	70-130	
4,4'-DDE	0.00500	0.00520	104	70-130	
4,4'-DDT	0.00500	0.00437 J	87	70-130	
4,4'-DDT	0.00500	0.00420 J	84	70-130	
Aldrin	0.00500	0.00481 J	96	70-130	
Aldrin	0.00500	0.00496 J	99	70-130	
alpha-BHC	0.00500	0.00463 J	93	70-130	
alpha-BHC	0.00500	0.00457 J	91	70-130	
alpha-Chlordane	0.00500	0.00491 J	98	70-130	
alpha-Chlordane	0.00500	0.00540	108	70-130	
beta-BHC	0.00500	0.00513	103	70-130	
beta-BHC	0.00500	0.00564	113	70-130	
delta-BHC	0.00500	0.00465 J	93	70-130	
delta-BHC	0.00500	0.00484 J	97	70-130	
Dieldrin	0.00500	0.00499 J	100	70-130	
Dieldrin	0.00500	0.00537	107	70-130	
Endosulfan I	0.00500	0.00533	107	70-130	
Endosulfan I	0.00500	0.00582	116	70-130	
Endosulfan II	0.00500	0.00514	103	70-130	
Endosulfan II	0.00500	0.00522	104	70-130	
Endosulfan sulfate	0.00500	0.00503	101	70-130	
Endosulfan sulfate	0.00500	0.00505	101	70-130	
Endrin	0.00500	0.00530	106	70-130	
Endrin	0.00500	0.00543	109	70-130	
Endrin aldehyde	0.00500	0.00519	104	70-130	
Endrin aldehyde	0.00500	0.00541	108	70-130	
Endrin ketone	0.00500	0.00512	102	70-130	
Endrin ketone	0.00500	0.00477 J	95	70-130	
gamma-BHC (Lindane)	0.00500	0.00480 J	96	70-130	
gamma-BHC (Lindane)	0.00500	0.00499 J	100	70-130	
gamma-Chlordane	0.00500	0.00492 J	98	70-130	
gamma-Chlordane	0.00500	0.00534	107	70-130	
Heptachlor	0.00500	0.00526	105	70-130	
Heptachlor	0.00500	0.00566	113	70-130	
Heptachlor epoxide	0.00500	0.00510	102	70-130	
Heptachlor epoxide	0.00500	0.00550	110	70-130	
Methoxychlor	0.00500	0.00467 J	93	70-130	
Methoxychlor	0.00500	0.00438 J	88	70-130	

Column to be used to flag recovery and RPD values

FORM III 8081/DOD

FORM III
GC SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low Lab File ID: P9010608.D

Lab ID: MRL 240-71174/8 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Endrin	0.00500	0.00565	113	70-130	
Endrin	0.00500	0.00557	111	70-130	
gamma-BHC (Lindane)	0.00500	0.00497	99	70-130	
gamma-BHC (Lindane)	0.00500	0.00485	97	70-130	
Heptachlor	0.00500	0.00557	111	70-130	
Heptachlor	0.00500	0.00592	118	70-130	
Heptachlor epoxide	0.00500	0.00550	110	70-130	
Heptachlor epoxide	0.00500	0.00559	112	70-130	
Methoxychlor	0.00500	0.00362	72	70-130	
Methoxychlor	0.00500	0.00413	83	70-130	

Column to be used to flag recovery and RPD values

FORM III 8081/DOD

FORM III
GC SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low Lab File ID: P9010621.D

Lab ID: MRL 240-71174/21 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Endrin	0.00500	0.00556	111	70-130	
Endrin	0.00500	0.00547	109	70-130	
gamma-BHC (Lindane)	0.00500	0.00430	86	70-130	
gamma-BHC (Lindane)	0.00500	0.00417	83	70-130	
Heptachlor	0.00500	0.00573	115	70-130	
Heptachlor	0.00500	0.00599	120	70-130	
Heptachlor epoxide	0.00500	0.00584	117	70-130	
Heptachlor epoxide	0.00500	0.00572	114	70-130	
Methoxychlor	0.00500	0.00460	92	70-130	
Methoxychlor	0.00500	0.00421	84	70-130	

Column to be used to flag recovery and RPD values

FORM III 8081/DOD

FORM III
GC SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Solid (TCLP) Level: Low Lab File ID: P9010611.D

Lab ID: 240-18735-6 MS Client ID: 070-0059-0001-IDW MS

COMPOUND	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC	QC LIMITS REC	#
Endrin	0.00200	0.000026 U	0.00178 J	89	50-150	D
gamma-BHC (Lindane)	0.00200	0.000024 U	0.00160 J	80	50-150	D
Heptachlor	0.00200	0.000024 U	0.00174 J	87	50-150	D
Heptachlor epoxide	0.00200	0.000024 U	0.00195 J	98	50-150	D
Methoxychlor	0.00400	0.000077 U	0.00310 J	77	50-150	D

Column to be used to flag recovery and RPD values

FORM III 8081/DOD

FORM IV
GC SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: MB 240-68554/4-A

Matrix: Water Date Extracted: 12/13/2012 11:40

Lab File ID:(1) P9121813.D Lab File ID:(2) P9121813.D

Date Analyzed:(1) 12/18/2012 14:09 Date Analyzed:(2) 12/18/2012 14:09

Instrument ID:(1) A2HP9 Instrument ID:(2) A2HP9

GC Column:(1) CLP-1 ID: 0.53(mm) GC Column:(2) CLP-2 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 240-68554/5-A	12/18/2012 12:18	12/18/2012 12:18
070-0056-0001-SOURCE WATER	240-18735-3	12/18/2012 13:14	12/18/2012 13:14
070-0057-0001-SOURCE WATER	240-18735-4	12/18/2012 13:42	12/18/2012 13:42

FORM IV
GC SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: MB 240-70005/5-A

Matrix: Water Date Extracted: 12/24/2012 10:33

Lab File ID:(1) P9010612.D Lab File ID:(2) P9010612.D

Date Analyzed:(1) 01/06/2013 20:49 Date Analyzed:(2) 01/06/2013 20:49

Instrument ID:(1) A2HP9 Instrument ID:(2) A2HP9

GC Column:(1) CLP-1 ID: 0.53(mm) GC Column:(2) CLP-2 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
070-0058-0001-IDW	240-18735-5	01/06/2013 19:32	01/06/2013 19:32
070-0059-0001-IDW	240-18735-6	01/06/2013 19:57	01/06/2013 19:57
070-0059-0001-IDW MS	240-18735-6 MS	01/06/2013 20:23	01/06/2013 20:23
	LCS 240-70005/4-A	01/06/2013 21:16	01/06/2013 21:16

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Sample No.: CCV 240-69152/7 Date Analyzed: 12/18/2012 11:23

Instrument ID: A2HP9 GC Column: CLP-1 ID: 0.53(mm)

Lab File ID (Standard): P9121807.D Heated Purge: (Y/N) N

Calibration ID: 12706

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				3.50	12.80	
UPPER LIMIT				3.53	12.83	
LOWER LIMIT				3.47	12.77	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-69152/7 CCVRT		12/18/2012 11:23	P9121807.D	3.50	12.80	
LCS 240-68554/5-A		12/18/2012 12:18	P9121809.D	3.50	12.80	
240-18735-3	070-0056-0001-SOURCE WATER	12/18/2012 13:14	P9121811.D	3.50	12.81	
240-18735-4	070-0057-0001-SOURCE WATER	12/18/2012 13:42	P9121812.D	3.50	12.80	
MB 240-68554/4-A		12/18/2012 14:09	P9121813.D	3.50	12.80	
CCV 240-69152/21		12/18/2012 17:49	P9121821.D	3.50	12.81	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.03 minutes of surrogate RT
DCB RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8081/DOD

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Sample No.: CCV 240-69152/7 Date Analyzed: 12/18/2012 11:23

Instrument ID: A2HP9 GC Column: CLP-2 ID: 0.53(mm)

Lab File ID (Standard): P9121807.D Heated Purge: (Y/N) N

Calibration ID: 12707

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				4.09	14.25	
UPPER LIMIT				4.12	14.28	
LOWER LIMIT				4.06	14.22	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-69152/7 CCVRT		12/18/2012 11:23	P9121807.D	4.09	14.25	
LCS 240-68554/5-A		12/18/2012 12:18	P9121809.D	4.09	14.25	
240-18735-3	070-0056-0001-SOURCE WATER	12/18/2012 13:14	P9121811.D	4.09	14.25	
240-18735-4	070-0057-0001-SOURCE WATER	12/18/2012 13:42	P9121812.D	4.09	14.25	
MB 240-68554/4-A		12/18/2012 14:09	P9121813.D	4.09	14.25	
CCV 240-69152/21		12/18/2012 17:49	P9121821.D	4.09	14.25	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.03 minutes of surrogate RT
DCB RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8081/DOD

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Sample No.: CCV 240-71174/6 Date Analyzed: 01/06/2013 18:15

Instrument ID: A2HP9 GC Column: CLP-1 ID: 0.53(mm)

Lab File ID (Standard): P9010606.D Heated Purge: (Y/N) N

Calibration ID: 13014

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				3.50	12.80	
UPPER LIMIT				3.53	12.83	
LOWER LIMIT				3.47	12.77	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-71174/6 CCVRT		01/06/2013 18:15	P9010606.D	3.50	12.80	
240-18735-5	070-0058-0001-IDW	01/06/2013 19:32	P9010609.D	3.50	12.80	
240-18735-6	070-0059-0001-IDW	01/06/2013 19:57	P9010610.D	3.50	12.80	
240-18735-6 MS	070-0059-0001-IDW MS	01/06/2013 20:23	P9010611.D	3.50	12.80	
MB 240-70005/5-A		01/06/2013 20:49	P9010612.D	3.50	12.80	
LCS 240-70005/4-A		01/06/2013 21:16	P9010613.D	3.50	12.80	
CCV 240-71174/20		01/07/2013 00:24	P9010620.D	3.50	12.80	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.03 minutes of surrogate RT
DCB RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8081/DOD

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Sample No.: CCV 240-71174/6 Date Analyzed: 01/06/2013 18:15

Instrument ID: A2HP9 GC Column: CLP-2 ID: 0.53(mm)

Lab File ID (Standard): P9010606.D Heated Purge: (Y/N) N

Calibration ID: 13015

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				4.09	14.24	
UPPER LIMIT				4.12	14.27	
LOWER LIMIT				4.06	14.21	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-71174/6 CCVRT		01/06/2013 18:15	P9010606.D	4.09	14.24	
240-18735-5	070-0058-0001-IDW	01/06/2013 19:32	P9010609.D	4.09	14.24	
240-18735-6	070-0059-0001-IDW	01/06/2013 19:57	P9010610.D	4.09	14.24	
240-18735-6 MS	070-0059-0001-IDW MS	01/06/2013 20:23	P9010611.D	4.09	14.24	
MB 240-70005/5-A		01/06/2013 20:49	P9010612.D	4.09	14.24	
LCS 240-70005/4-A		01/06/2013 21:16	P9010613.D	4.09	14.24	
CCV 240-71174/20		01/07/2013 00:24	P9010620.D	4.08	14.24	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.03 minutes of surrogate RT
DCB RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8081/DOD

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Client Sample ID: 070-0059-0001-IDW MS Lab Sample ID: 240-18735-6 MS

Instrument ID (1): A2HP9 Instrument ID (2): A2HP9

Date Analyzed (1): 01/06/2013 20:23 Date Analyzed (2): 01/06/2013 20:23

GC Column (1): CLP-1 ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
gamma-BHC (Lindane)	1		4.56	4.53	4.59	0.00160		3.9
	2		5.46	5.43	5.49	0.00154		
Heptachlor	1		5.18	5.15	5.22	0.00174		4.9
	2		6.28	6.25	6.32	0.00165		
Heptachlor epoxide	1		6.86	6.83	6.89	0.00195		2.5
	2		8.48	8.45	8.51	0.00191		
Endrin	1		8.82	8.79	8.85	0.00178		1.3
	2		10.34	10.31	10.37	0.00176		
Methoxychlor	1		10.66	10.63	10.69	0.00310		12.5
	2		12.28	12.25	12.31	0.00273		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-68554/5-A

Instrument ID (1): A2HP9 Instrument ID (2): A2HP9

Date Analyzed (1): 12/18/2012 12:18 Date Analyzed (2): 12/18/2012 12:18

GC Column (1): CLP-1 ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		4.18	4.15	4.21	0.373		10.1
	2		4.92	4.89	4.95	0.412		
gamma-BHC (Lindane)	1		4.56	4.53	4.59	0.378		9.2
	2		5.47	5.44	5.50	0.415		
beta-BHC	1		4.69	4.66	4.72	0.369		6.9
	2		5.65	5.62	5.68	0.396		
delta-BHC	1		4.90	4.87	4.93	0.382		9.3
	2		6.20	6.17	6.23	0.420		
Heptachlor	1		5.19	5.15	5.22	0.381		3.5
	2		6.30	6.26	6.33	0.395		
Aldrin	1		5.64	5.61	5.67	0.362		9.7
	2		7.01	6.98	7.04	0.399		
Heptachlor epoxide	1		6.86	6.84	6.90	0.384		7.3
	2		8.50	8.47	8.53	0.413		
gamma-Chlordane	1		7.17	7.14	7.20	0.380		7.7
	2		8.93	8.90	8.96	0.411		
alpha-Chlordane	1		7.52	7.49	7.55	0.363		9.0
	2		9.24	9.21	9.27	0.397		
Endosulfan I	1		7.80	7.77	7.83	0.330		5.3
	2		9.30	9.27	9.33	0.349		
4,4'-DDE	1		7.90	7.87	7.93	0.378		8.6
	2		9.70	9.67	9.73	0.412		
Dieldrin	1		8.37	8.34	8.40	0.388		7.0
	2		9.84	9.81	9.87	0.416		
Endrin	1		8.82	8.79	8.85	0.389		7.1
	2		10.36	10.33	10.39	0.417		
4,4'-DDD	1		9.19	9.16	9.22	0.409		2.0
	2		10.73	10.70	10.76	0.418		
Endosulfan II	1		9.27	9.24	9.30	0.347		17.1
	2		10.73	10.70	10.76	0.412		
4,4'-DDT	1		9.71	9.68	9.74	0.391		4.0
	2		11.22	11.19	11.25	0.406		
Endrin aldehyde	1		10.07	10.04	10.10	0.380		5.5
	2		11.30	11.27	11.33	0.401		
Methoxychlor	1		10.66	10.63	10.69	0.377		2.2
	2		12.29	12.26	12.32	0.369		
Endosulfan sulfate	1		10.79	10.76	10.82	0.378		10.9
	2		11.74	11.71	11.77	0.422		
Endrin ketone	1		11.19	11.16	11.22	0.372		5.0
	2		12.47	12.44	12.50	0.391		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-70005/4-A

Instrument ID (1): A2HP9 Instrument ID (2): A2HP9

Date Analyzed (1): 01/06/2013 21:16 Date Analyzed (2): 01/06/2013 21:16

GC Column (1): CLP-1 ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
gamma-BHC (Lindane)	1		4.56	4.53	4.59	0.00170		3.8
	2		5.46	5.43	5.49	0.00163		
Heptachlor	1		5.18	5.15	5.22	0.00170		2.6
	2		6.28	6.25	6.32	0.00174		
Heptachlor epoxide	1		6.86	6.83	6.89	0.00203		7.7
	2		8.48	8.45	8.51	0.00188		
Endrin	1		8.82	8.79	8.85	0.00182		7.5
	2		10.34	10.31	10.37	0.00169		
Methoxychlor	1		10.66	10.63	10.69	0.00323		11.0
	2		12.28	12.25	12.31	0.00289		

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: 070-0056-0001-SOURCE | Lab Sample ID: 240-18735-3

Matrix: Water | Lab File ID: P9121811.D

Analysis Method: 8081/DOD | Date Collected: 12/12/2012 13:00

Extraction Method: 3520C | Date Extracted: 12/13/2012 11:40

Sample wt/vol: 1050(mL) | Date Analyzed: 12/18/2012 13:14

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69152 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.0095	U	0.048	0.0095	0.0091
72-55-9	4,4'-DDE	0.0095	U	0.048	0.0095	0.0092
50-29-3	4,4'-DDT	0.029	U	0.048	0.029	0.015
309-00-2	Aldrin	0.0095	U	0.048	0.0095	0.0078
319-84-6	alpha-BHC	0.0095	U	0.048	0.0095	0.0067
5103-71-9	alpha-Chlordane	0.013	U	0.048	0.013	0.013
319-85-7	beta-BHC	0.0095	U	0.048	0.0095	0.0080
319-86-8	delta-BHC	0.0095	U	0.048	0.0095	0.0083
60-57-1	Dieldrin	0.0095	U	0.048	0.0095	0.0071
959-98-8	Endosulfan I	0.012	U	0.048	0.012	0.012
33213-65-9	Endosulfan II	0.011	U	0.048	0.011	0.011
1031-07-8	Endosulfan sulfate	0.010	U	0.048	0.010	0.010
72-20-8	Endrin	0.010	U	0.048	0.010	0.010
7421-93-4	Endrin aldehyde	0.010	U	0.048	0.010	0.010
53494-70-5	Endrin ketone	0.0095	U Q	0.048	0.0095	0.0074
58-89-9	gamma-BHC (Lindane)	0.0095	U	0.048	0.0095	0.0061
5103-74-2	gamma-Chlordane	0.011	U	0.048	0.011	0.011
76-44-8	Heptachlor	0.0095	U	0.048	0.0095	0.0076
1024-57-3	Heptachlor epoxide	0.0095	U	0.048	0.0095	0.0068
72-43-5	Methoxychlor	0.030	U	0.095	0.030	0.030
8001-35-2	Toxaphene	0.48	U	1.9	0.48	0.30

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	61		30-135
877-09-8	Tetrachloro-m-xylene	74		25-140

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\P9121811.D
Lims ID: 240-18735-O-3-B
Client ID: 070-0056-0001-SOURCE WATER
Inject. Date: 18-Dec-2012 13:14:26
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0015955-011
Misc. Info.:
Operator: 093905
Instrument ID: A2HP9
Injection Vol: 1.0 ul
ALS Bottle#: 11
Lims Batch ID: 69152
Lims Sample ID: 11
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\PEST9.m
Last Update: 19-Dec-2012 12:50:05
Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK024

First Level Reviewer: vandorenc
Date: 19-Dec-2012 12:39:08

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.500	3.500	0.000	76304992	0.0294			
2	100	4.092	4.091	0.001	242825062	0.0314			
						RPD = 6.51			
12 Diallate									
1	100		4.009						
1	2		4.188						
2	100		4.664						
2	2		4.769						
24 Hexachlorobenzene									
1	100		4.012						
2	100		4.758						
5 alpha-BHC									
1	100		4.183						
2	100		4.917						
20 gamma-BHC (Lindane)									
1	100		4.559						
2	100		5.472						
7 beta-BHC									
1	100		4.691						
2	100		5.649						
11 delta-BHC									
1	100		4.904						
2	100		6.198						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									
1	100		5.072						
1	2		5.927						
1	3		7.169						
1	4		7.517						
2	100		6.001						
2	2		7.502						
2	3		8.925						
2	4		9.240						
22 Heptachlor									
1	100		5.186						
2	100		6.296						
4 Aldrin									
1	100		5.636						
2	100		7.012						
25 Isodrin									
1	100		6.304						
2	100		8.124						
23 Heptachlor epoxide									
1	100		6.865						
2	100		8.499						
21 gamma-Chlordane									
1	100		7.170						
2	100		8.926						
6 alpha-Chlordane									
1	100		7.520						
2	100		9.239						
14 Endosulfan I									
1	100		7.800						
2	100		9.298						
2 4,4'-DDE									
1	100		7.902						
2	100		9.698						
13 Dieldrin									
1	100		8.366						
2	100		9.835						
17 Endrin									
1	100		8.824						
2	100		10.357						
26 Kepone									
1	100		9.002						
2	100		10.667						
1 4,4'-DDD									
1	100		9.185						
2	100		10.728						
9 Chlorobenzilate									
1	100		9.231						
2	100		10.524						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
15 Endosulfan II									
1	100		9.274						
2	100		10.728						
30 Toxaphene									
1	100		9.505						
1	2		9.950						
1	3		10.016						
1	4		10.601						
1	5		11.167						
2	100		10.893						
2	2		11.441						
2	3		11.843						
2	4		12.071						
2	5		12.458						
3 4,4'-DDT									
1	100		9.708						
2	100		11.215						
18 Endrin aldehyde									
1	100		10.068						
2	100		11.302						
28 Mirex									
1	100		10.476						
2	100		12.377						
27 Methoxychlor									
1	100		10.659						
2	100		12.292						
16 Endosulfan sulfate									1
1	100		10.791						
2	100		11.736						
19 Endrin ketone									
1	100		11.192						
2	100		12.473						
$ 10 DCB Decachlorobiphenyl									
1	100	12.805	12.803	0.002	58540499	0.0245			
2	100	14.252	14.251	0.001	139762259	0.0244			
						RPD = 0.57			

QC Flag Legend

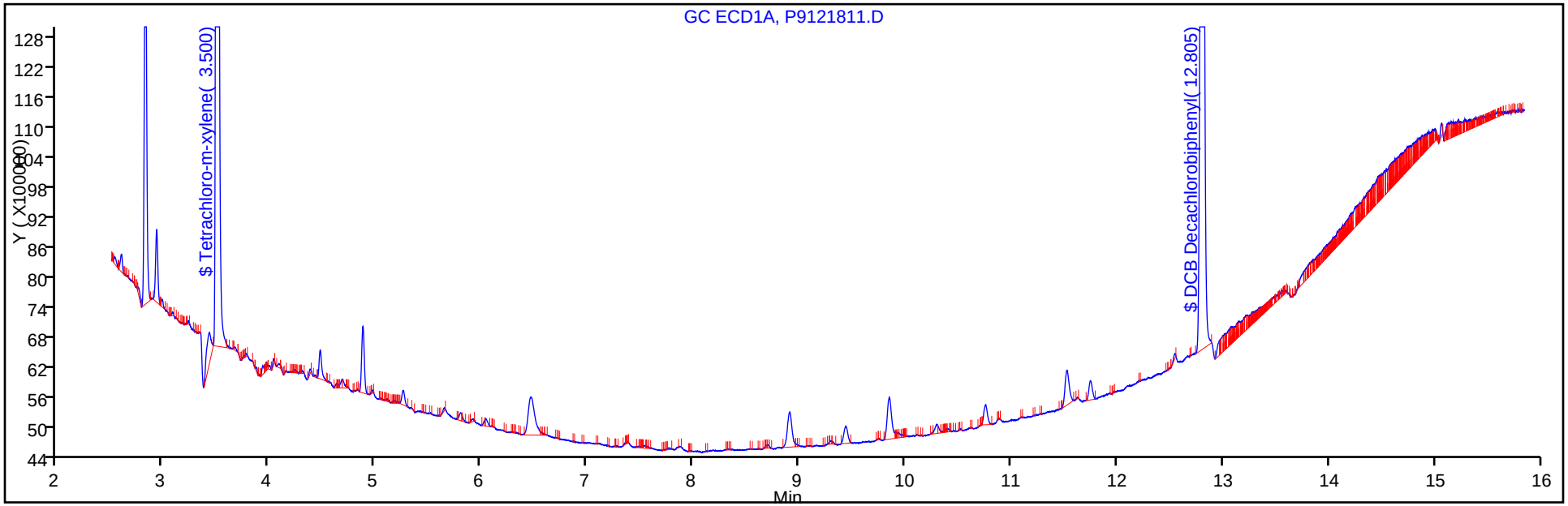
Processing Flags
1 - Missing Peaks

Report Date: 19-Dec-2012 12:50:09 Chrom Revision: 2.0 27-Nov-2012 13:14:12

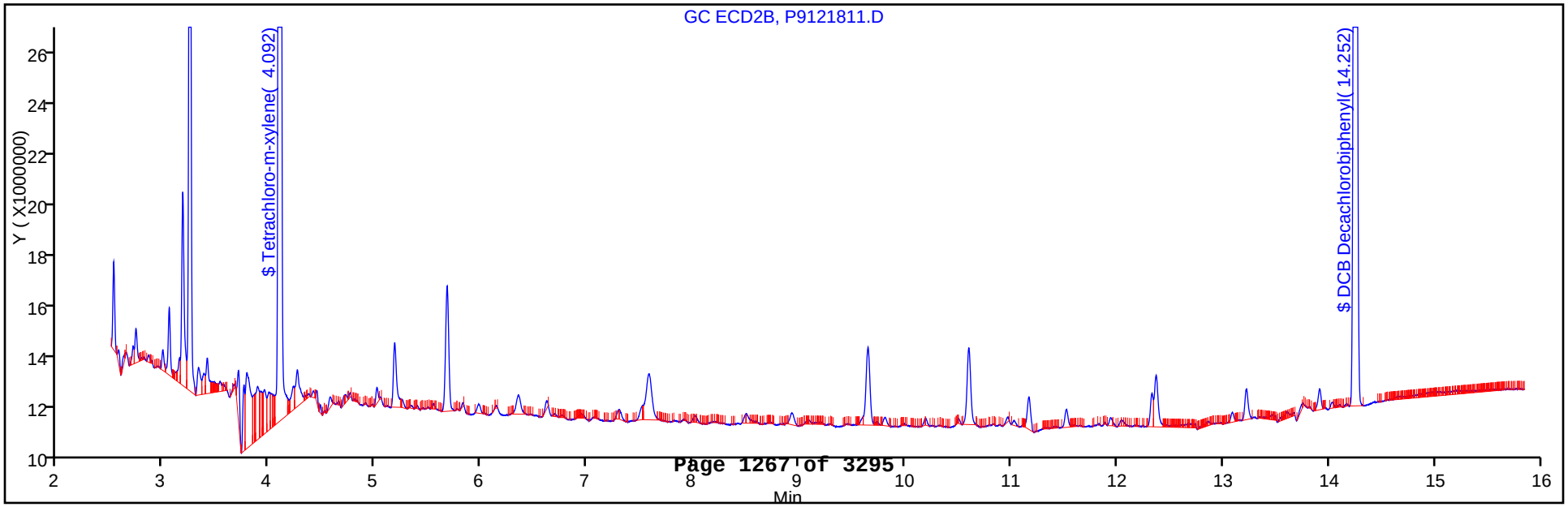
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20121218-15955.b\P9121811.D		
Injection Date:	18-Dec-2012 13:14:26	Limit Group:	GC 8081 D0D ICAL
Client ID:	070-0056-0001-SOURCE WATER	Instrument ID:	A2HP9
Lims Batch ID:	69152	Lims Sample ID:	11
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Client Sample ID: 070-0056-0001-SOURCE Lab Sample ID: 240-18735-3

Matrix: Water Lab File ID: P9121811.D

Analysis Method: 8081/DOD Date Collected: 12/12/2012 13:00

Extraction Method: 3520C Date Extracted: 12/13/2012 11:40

Sample wt/vol: 1050(mL) Date Analyzed: 12/18/2012 13:14

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 69152 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	61		30-135
877-09-8	Tetrachloro-m-xylene	79		25-140

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\P9121811.D
Lims ID: 240-18735-O-3-B
Client ID: 070-0056-0001-SOURCE WATER
Inject. Date: 18-Dec-2012 13:14:26
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0015955-011
Misc. Info.:
Operator: 093905
Instrument ID: A2HP9
Injection Vol: 1.0 ul
ALS Bottle#: 11
Lims Batch ID: 69152
Lims Sample ID: 11
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\PEST9.m
Last Update: 19-Dec-2012 12:50:05
Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK024

First Level Reviewer: vandorenc
Date: 19-Dec-2012 12:39:08

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.500	3.500	0.000	76304992	0.0294			
2	100	4.092	4.091	0.001	242825062	0.0314			
						RPD = 6.51			
12 Diallate									
1	100		4.009						
1	2		4.188						
2	100		4.664						
2	2		4.769						
24 Hexachlorobenzene									
1	100		4.012						
2	100		4.758						
5 alpha-BHC									
1	100		4.183						
2	100		4.917						
20 gamma-BHC (Lindane)									
1	100		4.559						
2	100		5.472						
7 beta-BHC									
1	100		4.691						
2	100		5.649						
11 delta-BHC									
1	100		4.904						
2	100		6.198						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									
1	100		5.072						
1	2		5.927						
1	3		7.169						
1	4		7.517						
2	100		6.001						
2	2		7.502						
2	3		8.925						
2	4		9.240						
22 Heptachlor									
1	100		5.186						
2	100		6.296						
4 Aldrin									
1	100		5.636						
2	100		7.012						
25 Isodrin									
1	100		6.304						
2	100		8.124						
23 Heptachlor epoxide									
1	100		6.865						
2	100		8.499						
21 gamma-Chlordane									
1	100		7.170						
2	100		8.926						
6 alpha-Chlordane									
1	100		7.520						
2	100		9.239						
14 Endosulfan I									
1	100		7.800						
2	100		9.298						
2 4,4'-DDE									
1	100		7.902						
2	100		9.698						
13 Dieldrin									
1	100		8.366						
2	100		9.835						
17 Endrin									
1	100		8.824						
2	100		10.357						
26 Kepone									
1	100		9.002						
2	100		10.667						
1 4,4'-DDD									
1	100		9.185						
2	100		10.728						
9 Chlorobenzilate									
1	100		9.231						
2	100		10.524						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
15 Endosulfan II									
1	100		9.274						
2	100		10.728						
30 Toxaphene									
1	100		9.505						
1	2		9.950						
1	3		10.016						
1	4		10.601						
1	5		11.167						
2	100		10.893						
2	2		11.441						
2	3		11.843						
2	4		12.071						
2	5		12.458						
3 4,4'-DDT									
1	100		9.708						
2	100		11.215						
18 Endrin aldehyde									
1	100		10.068						
2	100		11.302						
28 Mirex									
1	100		10.476						
2	100		12.377						
27 Methoxychlor									
1	100		10.659						
2	100		12.292						
16 Endosulfan sulfate									1
1	100		10.791						
2	100		11.736						
19 Endrin ketone									
1	100		11.192						
2	100		12.473						
$ 10 DCB Decachlorobiphenyl									
1	100	12.805	12.803	0.002	58540499	0.0245			
2	100	14.252	14.251	0.001	139762259	0.0244			
						RPD = 0.57			

QC Flag Legend

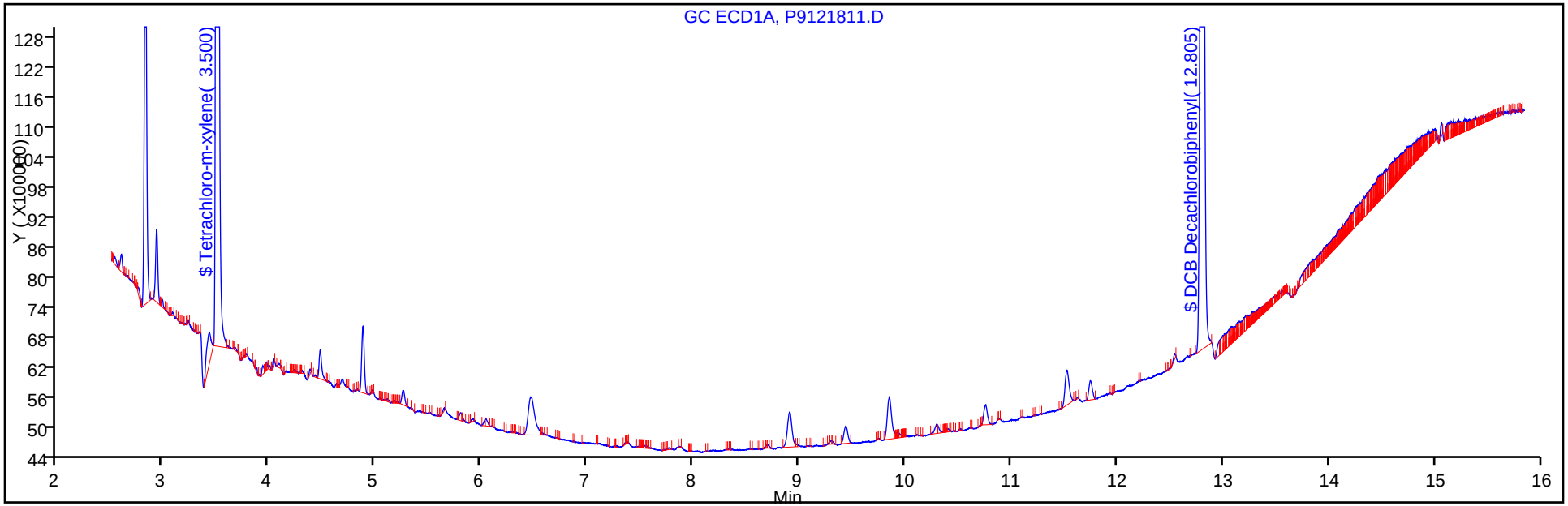
Processing Flags
1 - Missing Peaks

Report Date: 19-Dec-2012 12:50:10 Chrom Revision: 2.0 27-Nov-2012 13:14:12

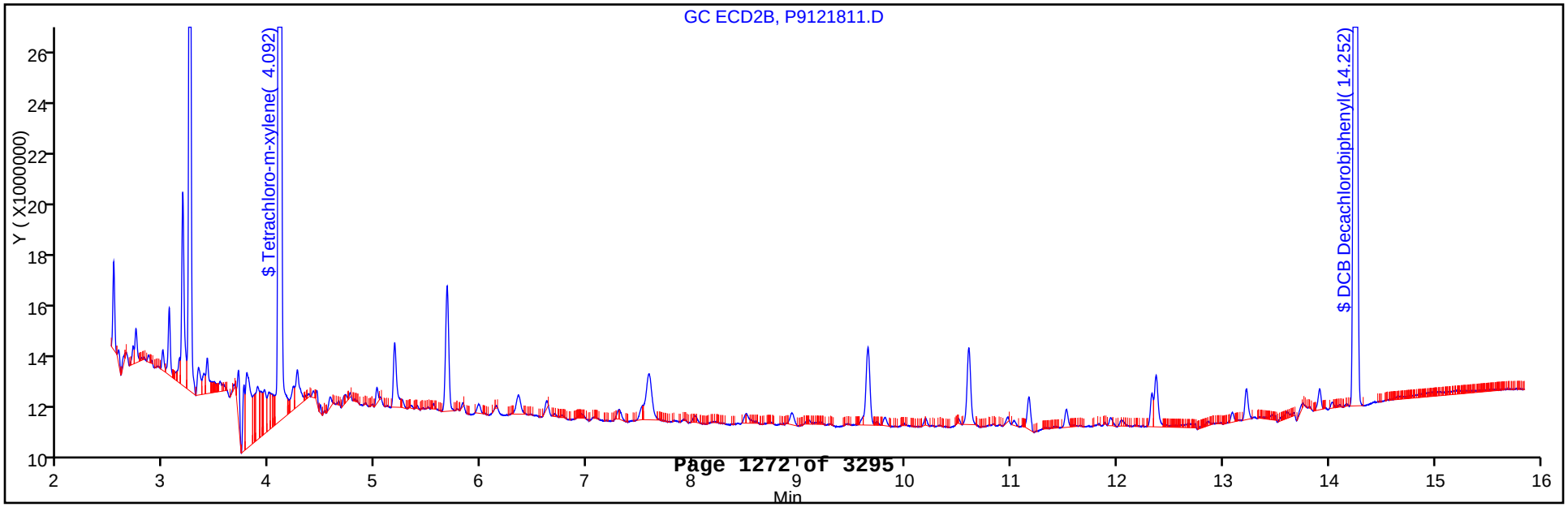
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20121218-15955.b\P9121811.D		
Injection Date:	18-Dec-2012 13:14:26	Limit Group:	GC 8081 D0D ICAL
Client ID:	070-0056-0001-SOURCE WATER	Instrument ID:	A2HP9
Lims Batch ID:	69152	Lims Sample ID:	11
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: 070-0057-0001-SOURCE | Lab Sample ID: 240-18735-4

Matrix: Water | Lab File ID: P9121812.D

Analysis Method: 8081/DOD | Date Collected: 12/12/2012 13:15

Extraction Method: 3520C | Date Extracted: 12/13/2012 11:40

Sample wt/vol: 1050(mL) | Date Analyzed: 12/18/2012 13:42

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69152 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.0095	U	0.048	0.0095	0.0091
72-55-9	4,4'-DDE	0.0095	U	0.048	0.0095	0.0092
50-29-3	4,4'-DDT	0.029	U	0.048	0.029	0.015
309-00-2	Aldrin	0.0095	U	0.048	0.0095	0.0078
319-84-6	alpha-BHC	0.0095	U	0.048	0.0095	0.0067
5103-71-9	alpha-Chlordane	0.013	U	0.048	0.013	0.013
319-85-7	beta-BHC	0.0095	U	0.048	0.0095	0.0080
319-86-8	delta-BHC	0.0095	U	0.048	0.0095	0.0083
60-57-1	Dieldrin	0.0095	U	0.048	0.0095	0.0071
959-98-8	Endosulfan I	0.012	U	0.048	0.012	0.012
33213-65-9	Endosulfan II	0.011	U	0.048	0.011	0.011
1031-07-8	Endosulfan sulfate	0.010	U	0.048	0.010	0.010
72-20-8	Endrin	0.010	U	0.048	0.010	0.010
7421-93-4	Endrin aldehyde	0.010	U	0.048	0.010	0.010
53494-70-5	Endrin ketone	0.0095	U Q	0.048	0.0095	0.0074
58-89-9	gamma-BHC (Lindane)	0.0095	U	0.048	0.0095	0.0061
5103-74-2	gamma-Chlordane	0.011	U	0.048	0.011	0.011
76-44-8	Heptachlor	0.0095	U	0.048	0.0095	0.0076
1024-57-3	Heptachlor epoxide	0.0095	U	0.048	0.0095	0.0068
72-43-5	Methoxychlor	0.030	U	0.095	0.030	0.030
8001-35-2	Toxaphene	0.48	U	1.9	0.48	0.30

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	64		30-135
877-09-8	Tetrachloro-m-xylene	79	M	25-140

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\P9121812.D
Lims ID: 240-18735-L-4-B
Client ID: 070-0057-0001-SOURCE WATER
Inject. Date: 18-Dec-2012 13:42:03
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0015955-012
Misc. Info.:
Operator: 093905
Instrument ID: A2HP9
Injection Vol: 1.0 ul
ALS Bottle#: 12
Lims Batch ID: 69152
Lims Sample ID: 12
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\PEST9.m
Last Update: 19-Dec-2012 12:50:05
Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK024

First Level Reviewer: vandorenc
Date: 19-Dec-2012 12:40:03

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									M
1	100	3.501	3.500	0.001	81485832	0.0314			M
2	100	4.091	4.091	0.000	248810006	0.0322			
						RPD = 2.38			
5 alpha-BHC									
1	100		4.183						
2	100		4.917						
20 gamma-BHC (Lindane)									
1	100		4.559						
2	100		5.472						
7 beta-BHC									
1	100		4.691						
2	100		5.649						
11 delta-BHC									
1	100		4.904						
2	100		6.198						
22 Heptachlor									
1	100		5.186						
2	100		6.296						
4 Aldrin									
1	100		5.636						
2	100		7.012						
23 Heptachlor epoxide									
1	100		6.865						
2	100		8.499						
21 gamma-Chlordane									
1	100		7.170						
2	100		8.926						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 alpha-Chlordane									
1	100		7.520						
2	100		9.239						
14 Endosulfan I									
1	100		7.800						
2	100		9.298						
2 4,4'-DDE									
1	100		7.902						
2	100		9.698						
13 Dieldrin									
1	100		8.366						
2	100		9.835						
17 Endrin									
1	100		8.824						
2	100		10.357						
1 4,4'-DDD									
1	100		9.185						
2	100		10.728						
15 Endosulfan II									
1	100		9.274						
2	100		10.728						
30 Toxaphene									
1	100		9.505						
1	2		9.950						
1	3		10.016						
1	4		10.601						
1	5		11.167						
2	100		10.893						
2	2		11.441						
2	3		11.843						
2	4		12.071						
2	5		12.458						
3 4,4'-DDT									
1	100		9.708						
2	100		11.215						
18 Endrin aldehyde									
1	100		10.068						
2	100		11.302						
27 Methoxychlor									1
1	100		10.659						
2	100		12.292						
16 Endosulfan sulfate									
1	100		10.791						
2	100		11.736						
19 Endrin ketone									
1	100		11.192						
2	100		12.473						
$ 10 DCB Decachlorobiphenyl									
1	100	12.804	12.803	0.001	61429307	0.0257			
2	100	14.251	14.251	0.000	144239428	0.0251			

RPD = 2.24

QC Flag Legend

Processing Flags
1 - Missing Peaks

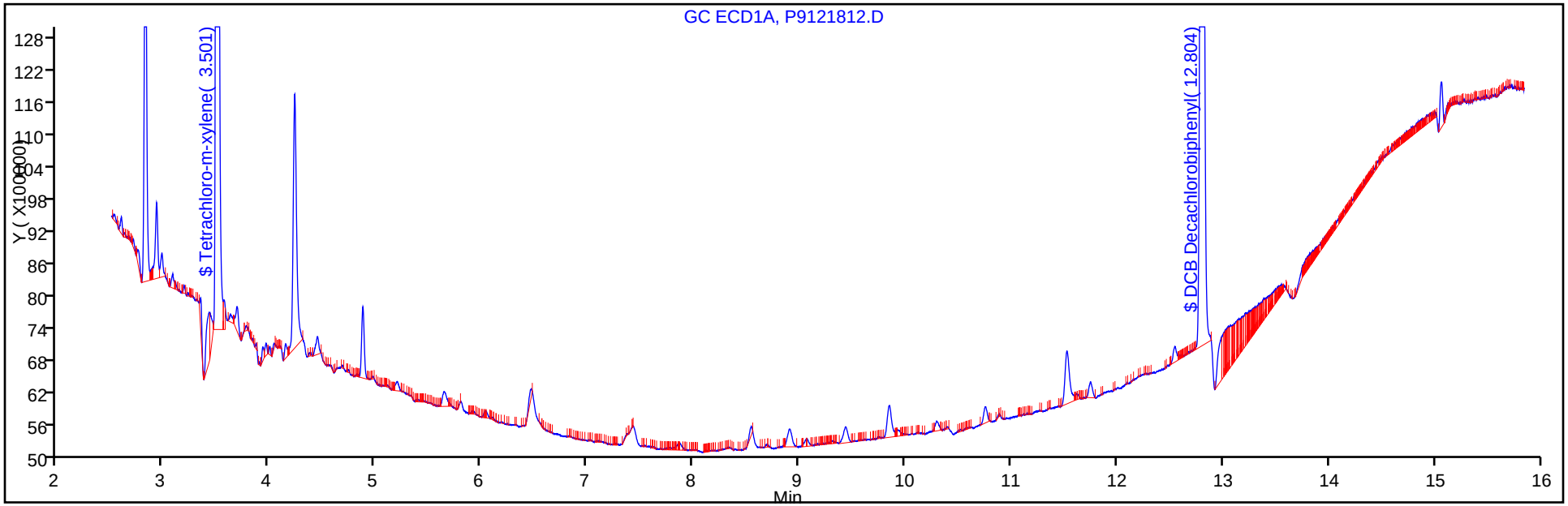
Review Flags
M - Manually Integrated

Report Date: 19-Dec-2012 12:50:11 Chrom Revision: 2.0 27-Nov-2012 13:14:12

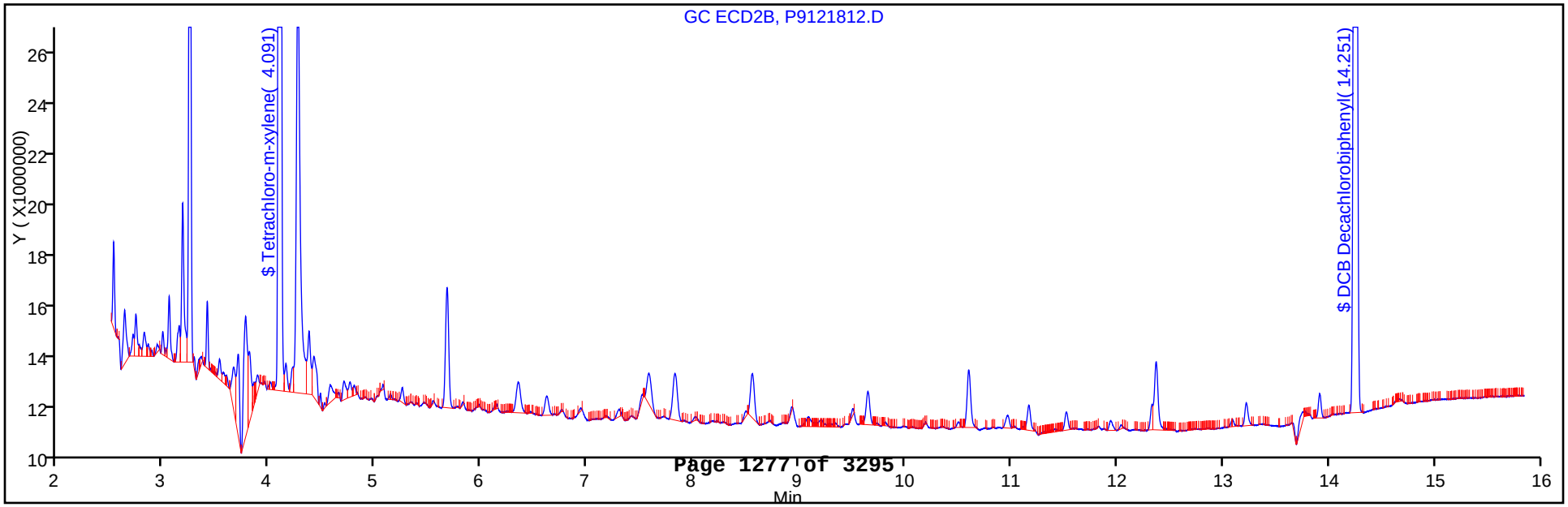
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20121218-15955.b\P9121812.D		
Injection Date:	18-Dec-2012 13:42:03	Limit Group:	GC 8081 D0D ICAL
Client ID:	070-0057-0001-SOURCE WATER	Instrument ID:	A2HP9
Lims Batch ID:	69152	Lims Sample ID:	12
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

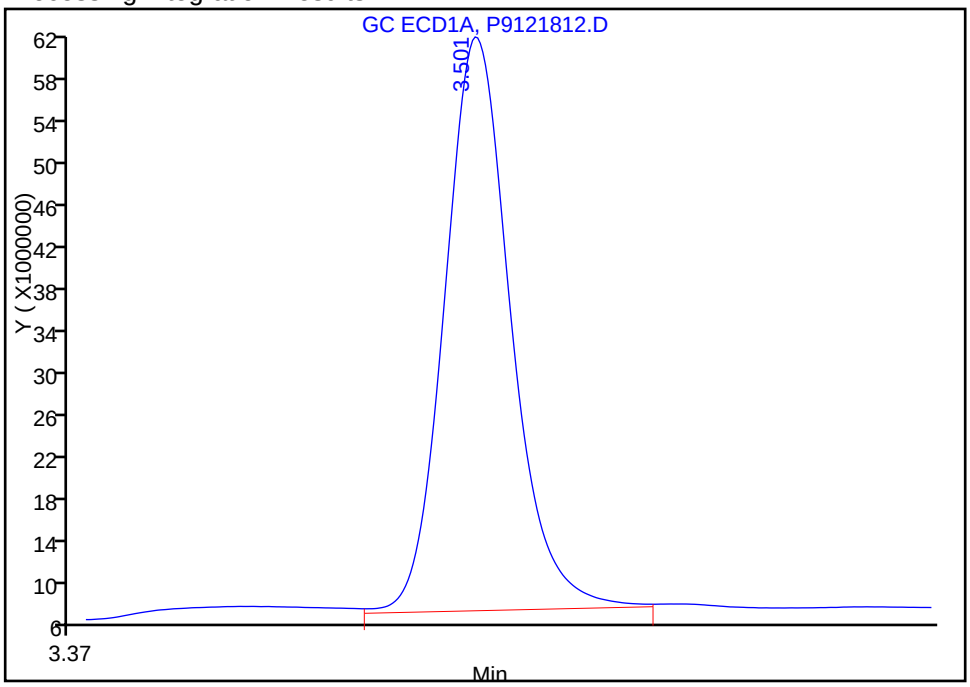
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20121218-15955.b\P9121812.D		
Injection Date:	18-Dec-2012 13:42:03	Limit Group:	GC 8081 D0D ICAL
Client ID:	070-0057-0001-SOURCE WATER	Instrument ID:	A2HP9
Lims Batch ID:	69152	Lims Sample ID:	12
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

$ 29 Tetrachloro-m-xylene, Signal: 1, Type: quant, RT: 3.50, Det: GC ECD1A

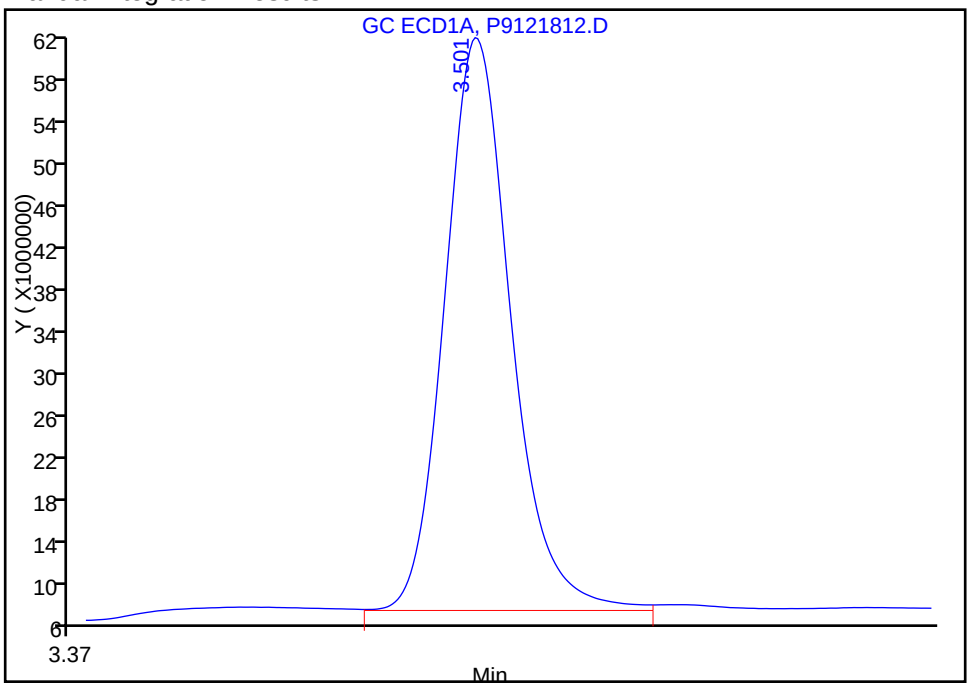
Processing Integration Results

RT: 3.50
Response: 81628453
Amount: 0.031494



Manual Integration Results

RT: 3.50
Response: 81485832
Amount: 0.031439



Reviewer: vandorenc, 19-Dec-2012 12:40:03
Audit Action: Assigned New Baseline
Audit Reason: Poor Chromatography

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Client Sample ID: 070-0057-0001-SOURCE Lab Sample ID: 240-18735-4

Matrix: Water Lab File ID: P9121812.D

Analysis Method: 8081/DOD Date Collected: 12/12/2012 13:15

Extraction Method: 3520C Date Extracted: 12/13/2012 11:40

Sample wt/vol: 1050(mL) Date Analyzed: 12/18/2012 13:42

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 69152 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	63		30-135
877-09-8	Tetrachloro-m-xylene	80		25-140

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP9\20121218-15955.b\P9121812.D		
Lims ID:	240-18735-L-4-B	Client ID:	070-0057-0001-SOURCE WATER
Inject. Date:	18-Dec-2012 13:42:03	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0015955-012		
Misc. Info.:			
Operator:	093905	Instrument ID:	A2HP9
Injection Vol:	1.0 ul	ALS Bottle#:	12
Lims Batch ID:	69152	Lims Sample ID:	12
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP9\20121218-15955.b\PEST9.m		
Last Update:	19-Dec-2012 12:50:05	Calib Date:	06-Dec-2012 18:34:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK024		
First Level Reviewer: vandorenc		Date:	19-Dec-2012 12:40:03

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									M
1	100	3.501	3.500	0.001	81485832	0.0314			M
2	100	4.091	4.091	0.000	248810006	0.0322			
						RPD = 2.38			
5 alpha-BHC									
1	100		4.183						
2	100		4.917						
20 gamma-BHC (Lindane)									
1	100		4.559						
2	100		5.472						
7 beta-BHC									
1	100		4.691						
2	100		5.649						
11 delta-BHC									
1	100		4.904						
2	100		6.198						
22 Heptachlor									
1	100		5.186						
2	100		6.296						
4 Aldrin									
1	100		5.636						
2	100		7.012						
23 Heptachlor epoxide									
1	100		6.865						
2	100		8.499						
21 gamma-Chlordane									
1	100		7.170						
2	100		8.926						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 alpha-Chlordane									
1	100		7.520						
2	100		9.239						
14 Endosulfan I									
1	100		7.800						
2	100		9.298						
2 4,4'-DDE									
1	100		7.902						
2	100		9.698						
13 Dieldrin									
1	100		8.366						
2	100		9.835						
17 Endrin									
1	100		8.824						
2	100		10.357						
1 4,4'-DDD									
1	100		9.185						
2	100		10.728						
15 Endosulfan II									
1	100		9.274						
2	100		10.728						
30 Toxaphene									
1	100		9.505						
1	2		9.950						
1	3		10.016						
1	4		10.601						
1	5		11.167						
2	100		10.893						
2	2		11.441						
2	3		11.843						
2	4		12.071						
2	5		12.458						
3 4,4'-DDT									
1	100		9.708						
2	100		11.215						
18 Endrin aldehyde									
1	100		10.068						
2	100		11.302						
27 Methoxychlor									1
1	100		10.659						
2	100		12.292						
16 Endosulfan sulfate									
1	100		10.791						
2	100		11.736						
19 Endrin ketone									
1	100		11.192						
2	100		12.473						
$ 10 DCB Decachlorobiphenyl									
1	100	12.804	12.803	0.001	61429307	0.0257			
2	100	14.251	14.251	0.000	144239428	0.0251			

RPD = 2.24

QC Flag Legend

Processing Flags
1 - Missing Peaks

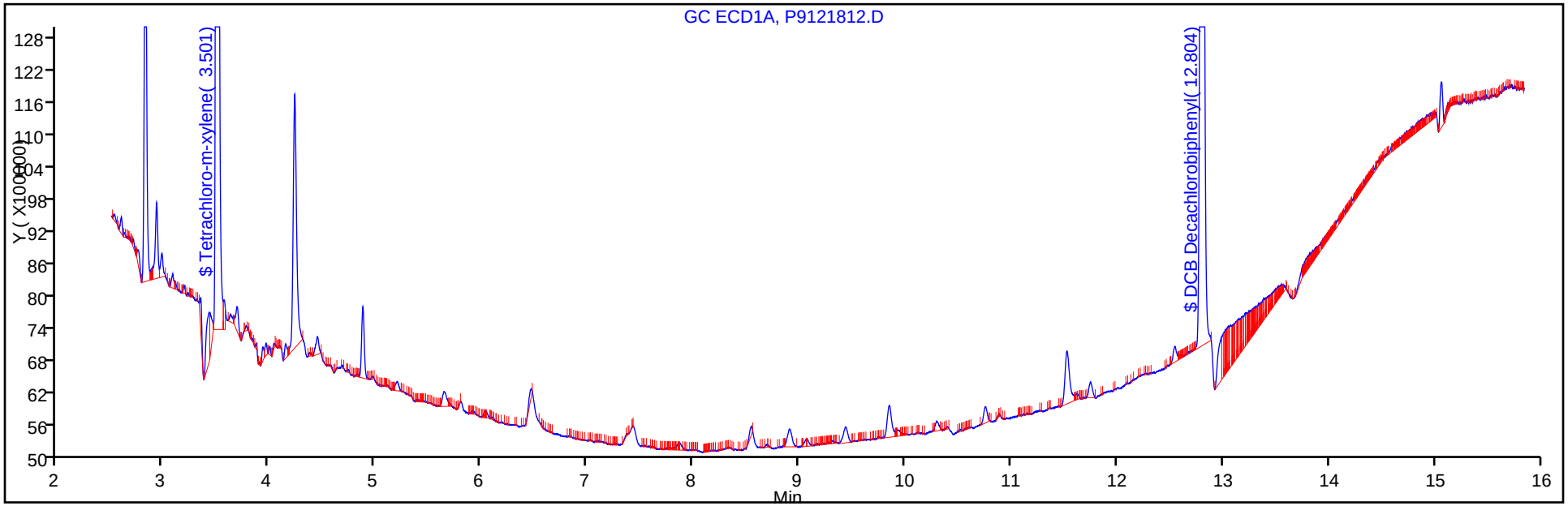
Review Flags
M - Manually Integrated

Report Date: 19-Dec-2012 12:50:11 Chrom Revision: 2.0 27-Nov-2012 13:14:12

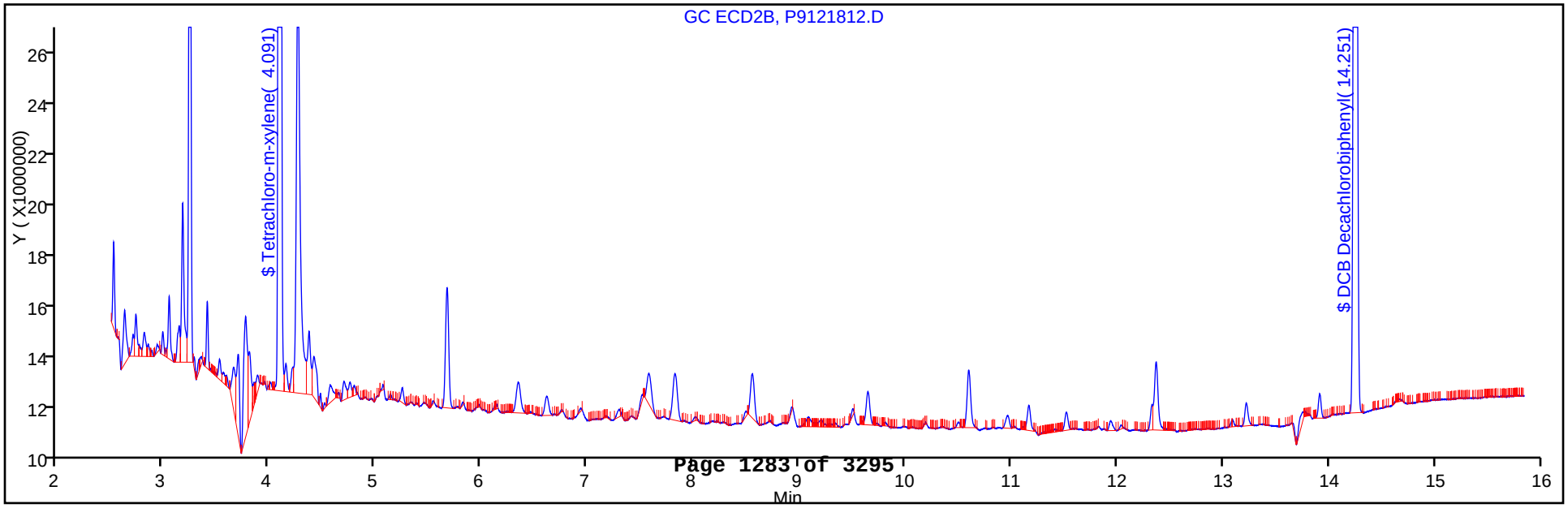
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20121218-15955.b\P9121812.D		
Injection Date:	18-Dec-2012 13:42:03	Limit Group:	GC 8081 D0D ICAL
Client ID:	070-0057-0001-SOURCE WATER	Instrument ID:	A2HP9
Lims Batch ID:	69152	Lims Sample ID:	12
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Client Sample ID: 070-0058-0001-IDW Lab Sample ID: 240-18735-5

Matrix: Solid (TCLP) Lab File ID: P9010609.D

Analysis Method: 8081/DOD Date Collected: 12/12/2012 13:30

Extraction Method: 3520C Date Extracted: 12/24/2012 10:33

Sample wt/vol: 250(mL) Date Analyzed: 01/06/2013 19:32

Con. Extract Vol.: 3(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 71174 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
57-74-9	Chlordane (technical)	0.000079	U	0.030	0.000079	0.000079
72-20-8	Endrin	0.000026	U	0.010	0.000026	0.000026
58-89-9	gamma-BHC (Lindane)	0.000024	U	0.010	0.000024	0.000015
76-44-8	Heptachlor	0.000024	U	0.010	0.000024	0.000019
1024-57-3	Heptachlor epoxide	0.000024	U	0.010	0.000024	0.000017
72-43-5	Methoxychlor	0.000077	U	0.030	0.000077	0.000077

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	81	M	44-144
877-09-8	Tetrachloro-m-xylene	75		44-127

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010609.D		
Lims ID:	240-18735-C-5-K	Client ID:	070-0058-0001-IDW
Inject. Date:	06-Jan-2013 19:32:41	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016400-009		
Misc. Info.:			
Operator:	093905	Instrument ID:	A2HP9
Injection Vol:	1.0 ul	ALS Bottle#:	9
Lims Batch ID:	71174	Lims Sample ID:	9
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP9\20130106-16400.b\PEST9.m		
Last Update:	07-Jan-2013 07:09:35	Calib Date:	22-Dec-2012 17:38:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK004		
First Level Reviewer: vandorenc		Date:	07-Jan-2013 06:35:54

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.497	3.498	-0.001	135749383	0.0499			
2	100	4.086	4.085	0.001	446678562	0.0509			
						RPD = 1.93			
20 gamma-BHC (Lindane)									
1	100		4.556						
2	100		5.461						
8 Chlordane (technical)									
1	100		5.065						
1	2		5.918						
1	3		7.159						
1	4		7.504						
2	100		5.987						
2	2		7.482						
2	3		8.909						
2	4		9.223						
22 Heptachlor									
1	100		5.181						
2	100		6.282						
23 Heptachlor epoxide									
1	100		6.856						
2	100		8.483						
17 Endrin									
1	100		8.818						
2	100		10.343						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									
1	100		9.497						
1	2		9.948						
1	3		10.011						
1	4		10.596						
1	5		11.162						
2	100		10.881						
2	2		11.428						
2	3		11.831						
2	4		12.057						
2	5		12.445						
27 Methoxychlor									
1	100		10.659						
2	100		12.283						
$ 10 DCB Decachlorobiphenyl									M
1	100	12.798	12.800	-0.002	137444553	0.0538			M
2	100	14.238	14.240	-0.002	344695519	0.0507			M
						RPD = 5.93			

QC Flag Legend

Review Flags
M - Manually Integrated

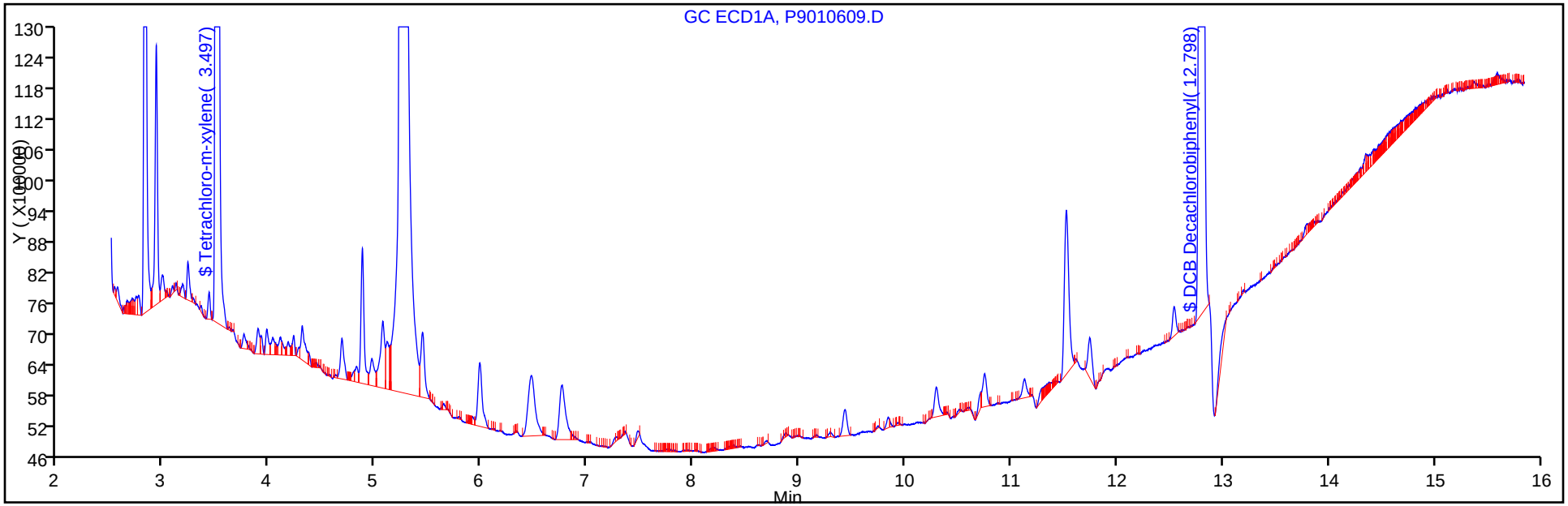
Report Date: 07-Jan-2013 07:09:40 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

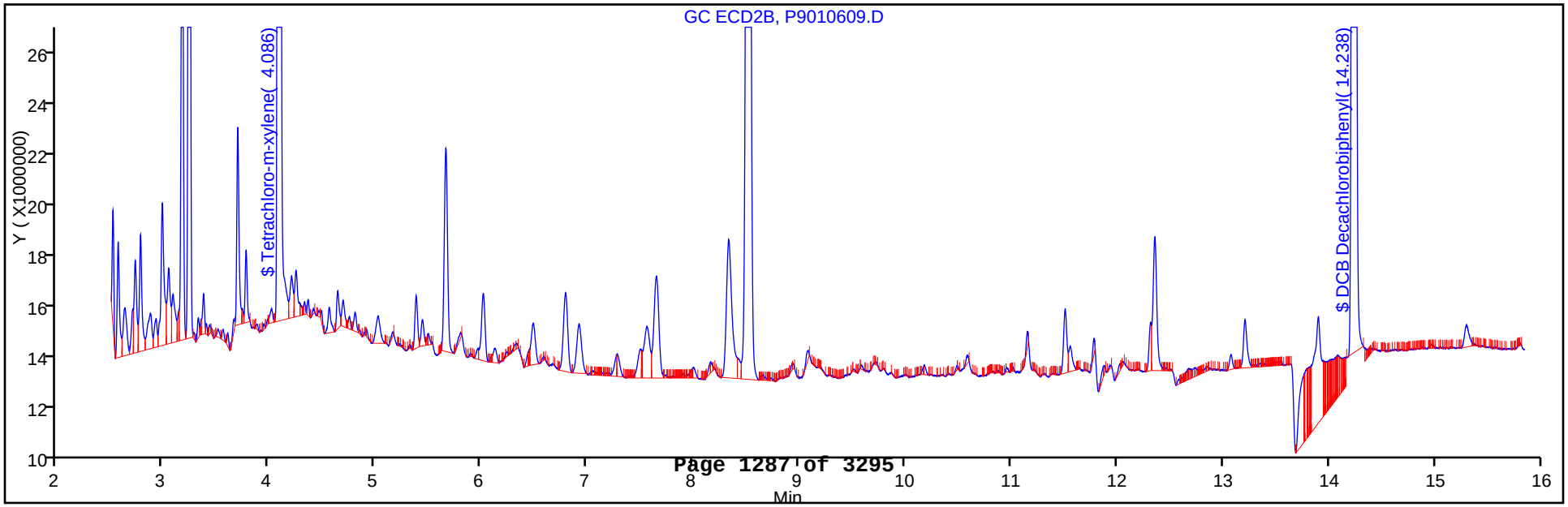
Data File: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010609.D

Injection Date:	06-Jan-2013 19:32:41	Limit Group:	GC 8081 D0D ICAL
Client ID:	070-0058-0001-IDW	Instrument ID:	A2HP9
Lims Batch ID:	71174	Lims Sample ID:	9
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

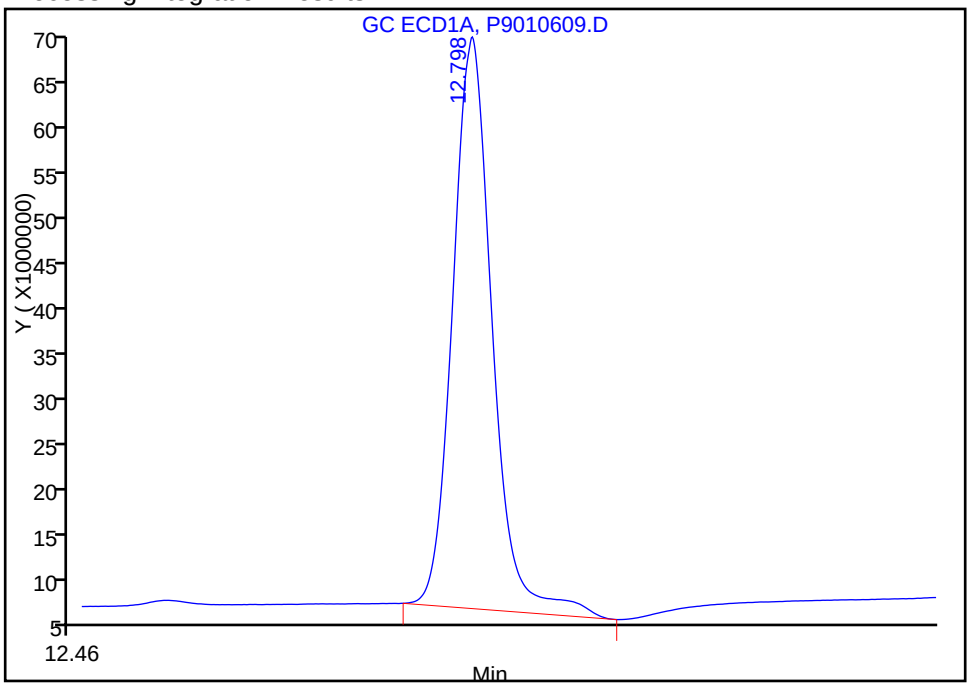
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010609.D		
Injection Date:	06-Jan-2013 19:32:41	Limit Group:	GC 8081 D0D ICAL
Client ID:	070-0058-0001-IDW	Instrument ID:	A2HP9
Lims Batch ID:	71174	Lims Sample ID:	9
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

$ 10 DCB Decachlorobiphenyl, Signal: 1, Type: quant, RT: 12.80, Det: GC ECD1A

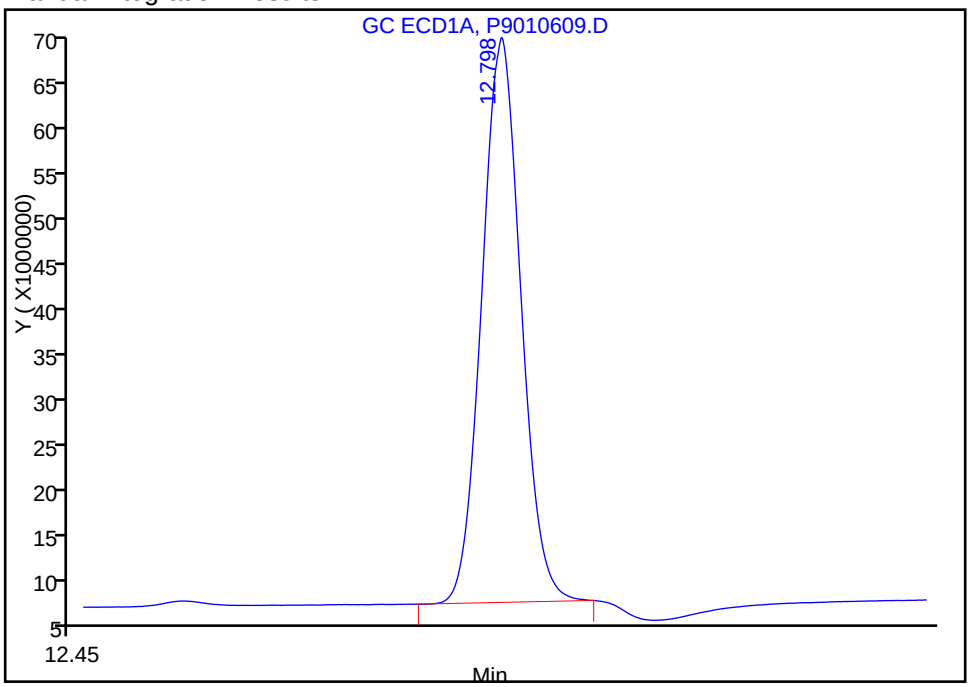
Processing Integration Results

RT: 12.80
Response: 146837787
Amount: 0.057521



Manual Integration Results

RT: 12.80
Response: 137444553
Amount: 0.053842



Reviewer: vandorenc, 07-Jan-2013 06:35:54
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Client Sample ID: 070-0058-0001-IDW Lab Sample ID: 240-18735-5

Matrix: Solid (TCLP) Lab File ID: P9010609.D

Analysis Method: 8081/DOD Date Collected: 12/12/2012 13:30

Extraction Method: 3520C Date Extracted: 12/24/2012 10:33

Sample wt/vol: 250(mL) Date Analyzed: 01/06/2013 19:32

Con. Extract Vol.: 3(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 71174 Units: mg/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	76	*M*	44-144
877-09-8	Tetrachloro-m-xylene	76		44-127

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010609.D		
Lims ID:	240-18735-C-5-K	Client ID:	070-0058-0001-IDW
Inject. Date:	06-Jan-2013 19:32:41	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016400-009		
Misc. Info.:			
Operator:	093905	Instrument ID:	A2HP9
Injection Vol:	1.0 ul	ALS Bottle#:	9
Lims Batch ID:	71174	Lims Sample ID:	9
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP9\20130106-16400.b\PEST9.m		
Last Update:	07-Jan-2013 07:09:35	Calib Date:	22-Dec-2012 17:38:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK004		
First Level Reviewer: vandorenc		Date:	07-Jan-2013 06:35:54

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.497	3.498	-0.001	135749383	0.0499			
2	100	4.086	4.085	0.001	446678562	0.0509			
						RPD = 1.93			
20 gamma-BHC (Lindane)									
1	100		4.556						
2	100		5.461						
8 Chlordane (technical)									
1	100		5.065						
1	2		5.918						
1	3		7.159						
1	4		7.504						
2	100		5.987						
2	2		7.482						
2	3		8.909						
2	4		9.223						
22 Heptachlor									
1	100		5.181						
2	100		6.282						
23 Heptachlor epoxide									
1	100		6.856						
2	100		8.483						
17 Endrin									
1	100		8.818						
2	100		10.343						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									
1	100		9.497						
1	2		9.948						
1	3		10.011						
1	4		10.596						
1	5		11.162						
2	100		10.881						
2	2		11.428						
2	3		11.831						
2	4		12.057						
2	5		12.445						
27 Methoxychlor									
1	100		10.659						
2	100		12.283						
$ 10 DCB Decachlorobiphenyl									M
1	100	12.798	12.800	-0.002	137444553	0.0538			M
2	100	14.238	14.240	-0.002	344695519	0.0507			M
						RPD = 5.93			

QC Flag Legend

Review Flags
M - Manually Integrated

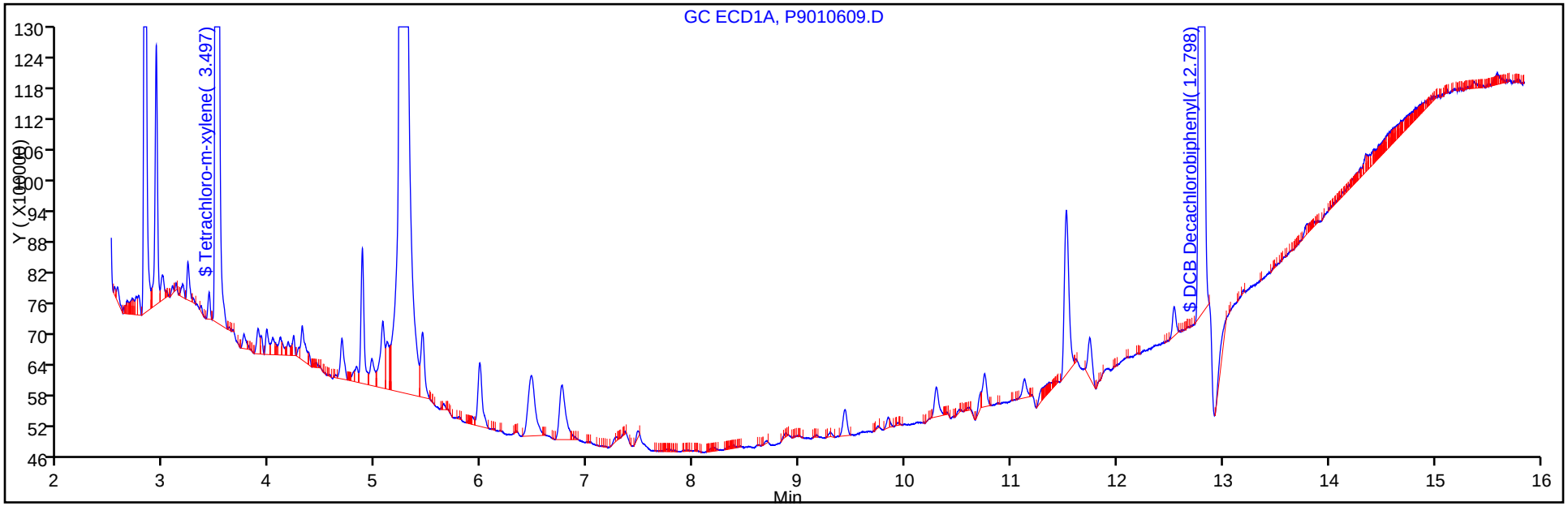
Report Date: 07-Jan-2013 07:09:40 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

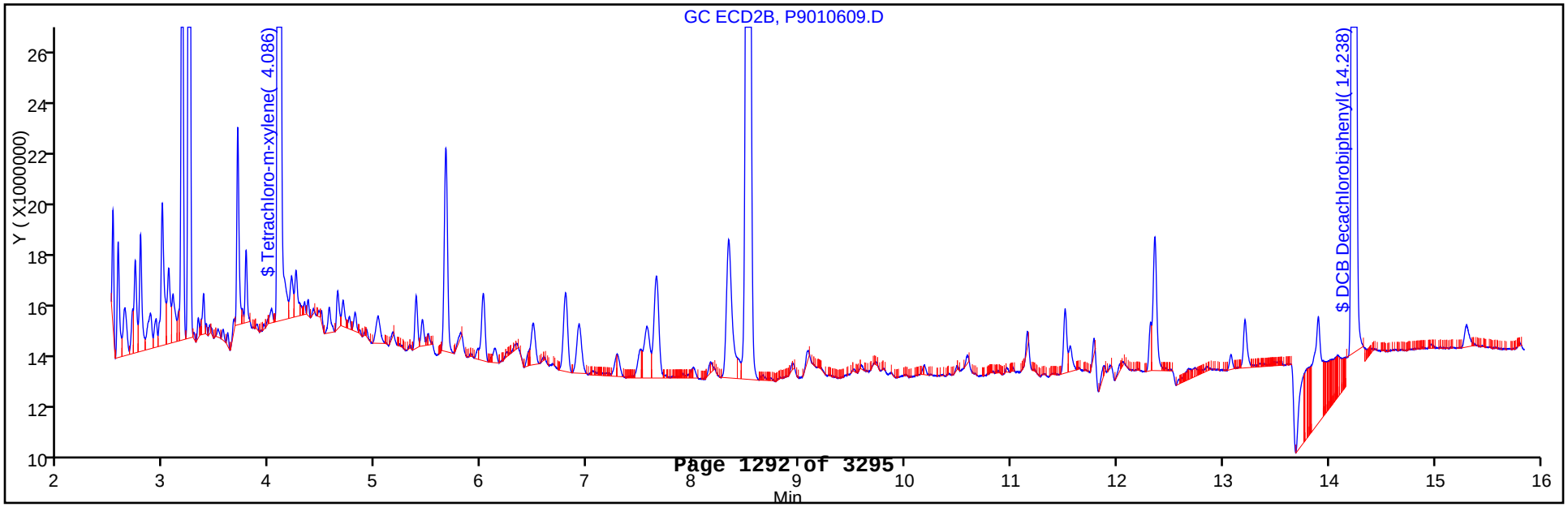
Data File: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010609.D

Injection Date:	06-Jan-2013 19:32:41	Limit Group:	GC 8081 D0D ICAL
Client ID:	070-0058-0001-IDW	Instrument ID:	A2HP9
Lims Batch ID:	71174	Lims Sample ID:	9
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

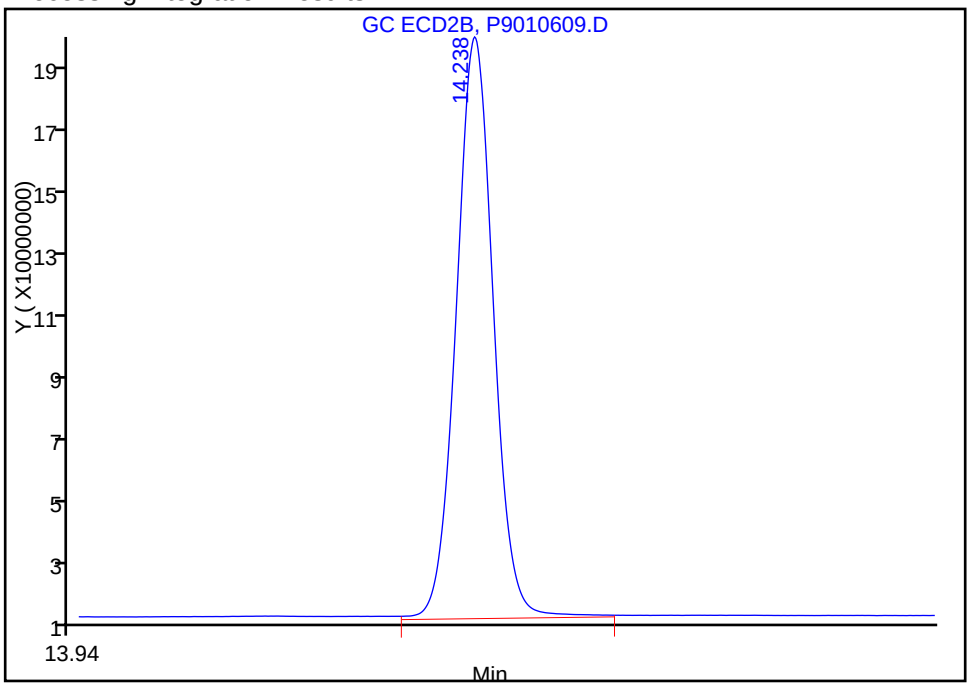
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010609.D		
Injection Date:	06-Jan-2013 19:32:41	Limit Group:	GC 8081 D0D ICAL
Client ID:	070-0058-0001-IDW	Instrument ID:	A2HP9
Lims Batch ID:	71174	Lims Sample ID:	9
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

$ 10 DCB Decachlorobiphenyl, Signal: 2, Type: quant, RT: 14.24, Det: GC ecd2b

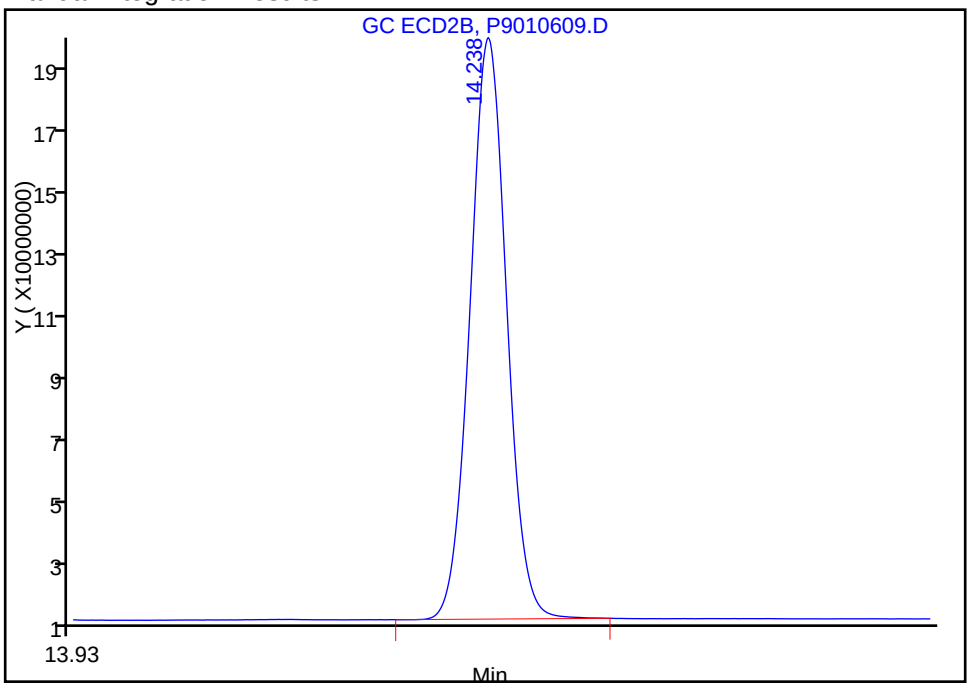
Processing Integration Results

RT: 14.24
Response: 352761799
Amount: 0.051930



Manual Integration Results

RT: 14.24
Response: 344695519
Amount: 0.050742



Reviewer: vandorenc, 07-Jan-2013 06:35:54
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: 070-0059-0001-IDW | Lab Sample ID: 240-18735-6

Matrix: Water (TCLP) | Lab File ID: P9010610.D

Analysis Method: 8081/DOD | Date Collected: 12/12/2012 13:30

Extraction Method: 3520C | Date Extracted: 12/24/2012 10:33

Sample wt/vol: 250(mL) | Date Analyzed: 01/06/2013 19:57

Con. Extract Vol.: 3(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 71174 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
57-74-9	Chlordane (technical)	0.000079	U	0.030	0.000079	0.000079
72-20-8	Endrin	0.000026	U	0.010	0.000026	0.000026
58-89-9	gamma-BHC (Lindane)	0.000024	U	0.010	0.000024	0.000015
76-44-8	Heptachlor	0.000024	U	0.010	0.000024	0.000019
1024-57-3	Heptachlor epoxide	0.000024	U	0.010	0.000024	0.000017
72-43-5	Methoxychlor	0.000077	U	0.030	0.000077	0.000077

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	13	Q	44-144
877-09-8	Tetrachloro-m-xylene	66		44-127

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010610.D		
Lims ID:	240-18735-F-6-G	Client ID:	070-0059-0001-IDW
Inject. Date:	06-Jan-2013 19:57:27	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016400-010		
Misc. Info.:			
Operator:	093905	Instrument ID:	A2HP9
Injection Vol:	1.0 ul	ALS Bottle#:	10
Lims Batch ID:	71174	Lims Sample ID:	10
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP9\20130106-16400.b\PEST9.m		
Last Update:	07-Jan-2013 07:30:31	Calib Date:	22-Dec-2012 17:38:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK004		
First Level Reviewer: vandorenc		Date:	07-Jan-2013 07:30:23

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.499	3.498	0.001	120109515	0.0442			
2	100	4.087	4.085	0.002	417993314	0.0476			
						RPD = 7.53			
24 Hexachlorobenzene									
1	100		3.967						
2	100		4.693						
12 Diallate									
1	100		4.056						
1	2		4.220						
2	100		4.655						
2	2		4.801						
5 alpha-BHC									
1	100		4.181						
2	100		4.908						
20 gamma-BHC (Lindane)									
1	100		4.556						
2	100		5.461						
7 beta-BHC									
1	100		4.688						
2	100		5.637						
11 delta-BHC									
1	100		4.901						
2	100		6.186						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									
1	100		5.065						
1	2		5.918						
1	3		7.159						
1	4		7.504						
2	100		5.987						
2	2		7.482						
2	3		8.909						
2	4		9.223						
22 Heptachlor									
1	100		5.181						
2	100		6.282						
4 Aldrin									
1	100		5.631						
2	100		6.995						
25 Isodrin									
1	100		6.217						
2	100		7.994						
23 Heptachlor epoxide									
1	100		6.856						
2	100		8.483						
21 gamma-Chlordane									
1	100		7.163						
2	100		8.911						
6 alpha-Chlordane									1
1	100		7.514						
2	100		9.224						
14 Endosulfan I									
1	100		7.791						
2	100		9.285						
2 4,4'-DDE									
1	100		7.898						
2	100		9.688						
13 Dieldrin									
1	100		8.356						
2	100		9.821						
17 Endrin									
1	100		8.818						
2	100		10.343						
26 Kepone									
1	100		8.909						
2	100		10.531						
1 4,4'-DDD									
1	100		9.188						
2	100		10.718						
15 Endosulfan II									
1	100		9.266						
2	100		10.718						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
9 Chlorobenzilate									
1	100		9.280						
2	100		10.533						
30 Toxaphene									
1	100		9.497						
1	2		9.948						
1	3		10.011						
1	4		10.596						
1	5		11.162						
2	100		10.881						
2	2		11.428						
2	3		11.831						
2	4		12.057						
2	5		12.445						
3 4,4'-DDT									
1	100		9.706						
2	100		11.204						
18 Endrin aldehyde									
1	100		10.063						
2	100		11.290						
28 Mirex									
1	100		10.476						
2	100		12.377						
27 Methoxychlor									
1	100		10.659						
2	100		12.283						
16 Endosulfan sulfate									
1	100		10.786						
2	100		11.722						
19 Endrin ketone									
1	100		11.187						
2	100		12.460						
$ 10 DCB Decachlorobiphenyl									
1	100	12.796	12.800	-0.004	22088920	0.008653			
2	100	14.238	14.240	-0.002	61525381	0.009057			
						RPD = 4.56			

QC Flag Legend

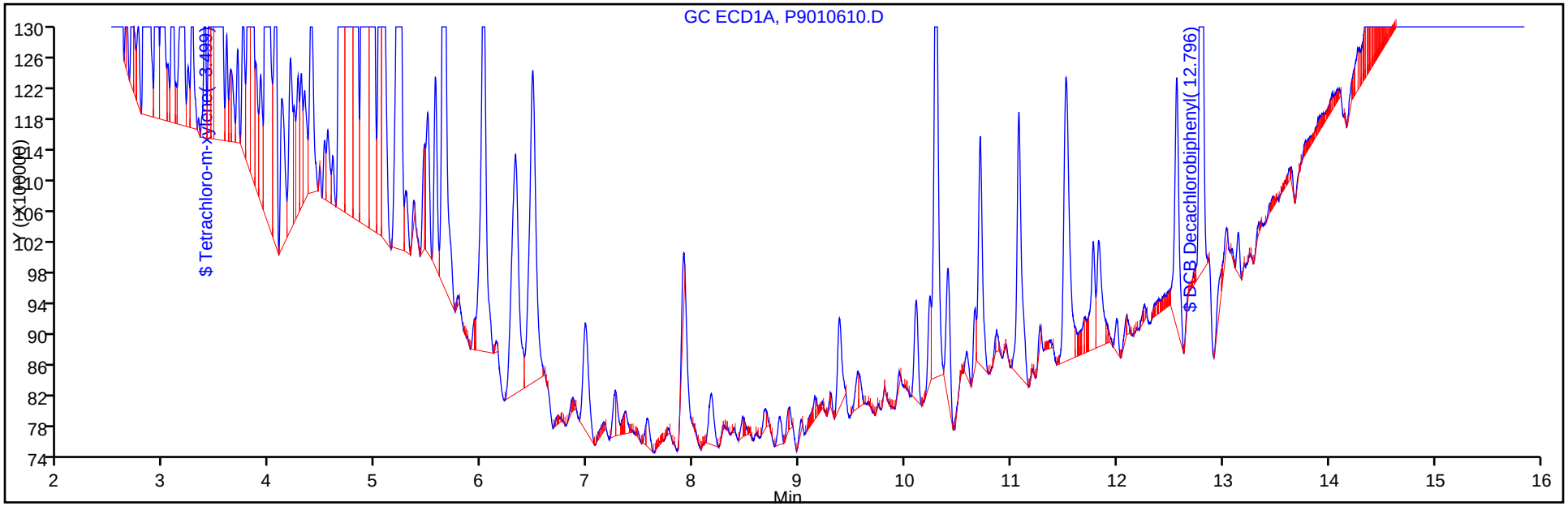
Processing Flags
1 - Missing Peaks

Report Date: 07-Jan-2013 07:30:32 Chrom Revision: 2.0 27-Nov-2012 13:14:12

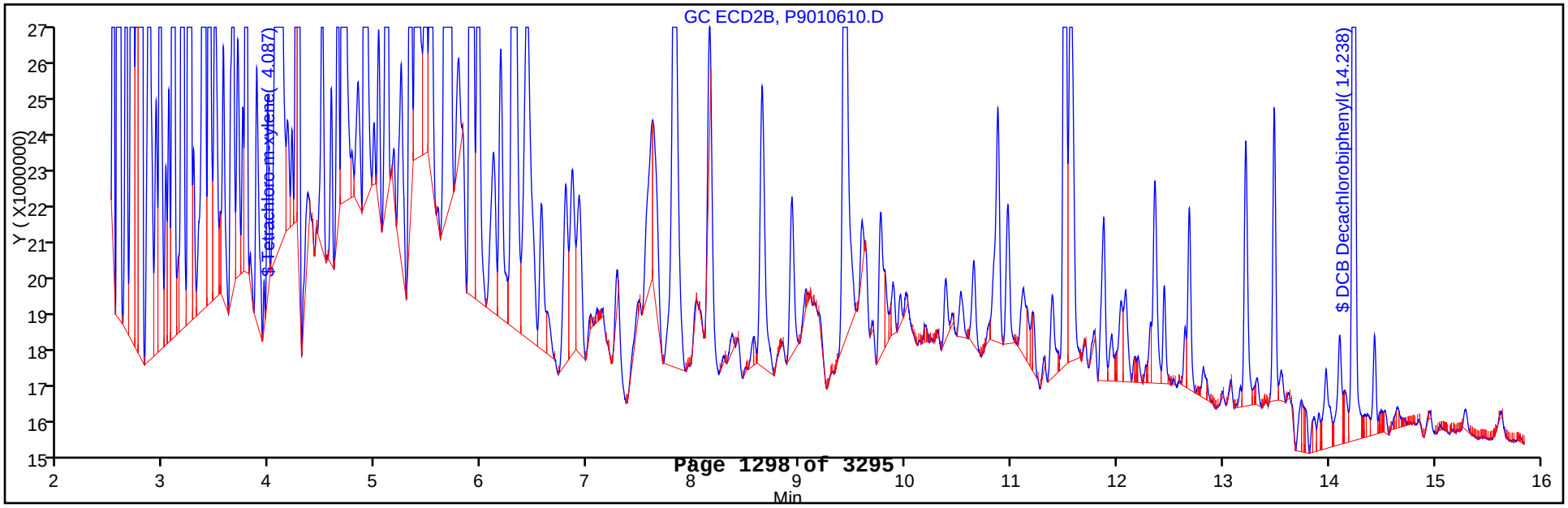
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010610.D		
Injection Date:	06-Jan-2013 19:57:27	Limit Group:	GC 8081 D0D ICAL
Client ID:	070-0059-0001-IDW	Instrument ID:	A2HP9
Lims Batch ID:	71174	Lims Sample ID:	10
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Client Sample ID: 070-0059-0001-IDW Lab Sample ID: 240-18735-6

Matrix: Water (TCLP) Lab File ID: P9010610.D

Analysis Method: 8081/DOD Date Collected: 12/12/2012 13:30

Extraction Method: 3520C Date Extracted: 12/24/2012 10:33

Sample wt/vol: 250(mL) Date Analyzed: 01/06/2013 19:57

Con. Extract Vol.: 3(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 71174 Units: mg/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	14	Q	44-144
877-09-8	Tetrachloro-m-xylene	71		44-127

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010610.D		
Lims ID:	240-18735-F-6-G	Client ID:	070-0059-0001-IDW
Inject. Date:	06-Jan-2013 19:57:27	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016400-010		
Misc. Info.:			
Operator:	093905	Instrument ID:	A2HP9
Injection Vol:	1.0 ul	ALS Bottle#:	10
Lims Batch ID:	71174	Lims Sample ID:	10
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP9\20130106-16400.b\PEST9.m		
Last Update:	07-Jan-2013 07:30:31	Calib Date:	22-Dec-2012 17:38:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK004		
First Level Reviewer: vandorenc		Date:	07-Jan-2013 07:30:23

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.499	3.498	0.001	120109515	0.0442			
2	100	4.087	4.085	0.002	417993314	0.0476			
						RPD = 7.53			
24 Hexachlorobenzene									
1	100		3.967						
2	100		4.693						
12 Diallate									
1	100		4.056						
1	2		4.220						
2	100		4.655						
2	2		4.801						
5 alpha-BHC									
1	100		4.181						
2	100		4.908						
20 gamma-BHC (Lindane)									
1	100		4.556						
2	100		5.461						
7 beta-BHC									
1	100		4.688						
2	100		5.637						
11 delta-BHC									
1	100		4.901						
2	100		6.186						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									
1	100		5.065						
1	2		5.918						
1	3		7.159						
1	4		7.504						
2	100		5.987						
2	2		7.482						
2	3		8.909						
2	4		9.223						
22 Heptachlor									
1	100		5.181						
2	100		6.282						
4 Aldrin									
1	100		5.631						
2	100		6.995						
25 Isodrin									
1	100		6.217						
2	100		7.994						
23 Heptachlor epoxide									
1	100		6.856						
2	100		8.483						
21 gamma-Chlordane									
1	100		7.163						
2	100		8.911						
6 alpha-Chlordane									1
1	100		7.514						
2	100		9.224						
14 Endosulfan I									
1	100		7.791						
2	100		9.285						
2 4,4'-DDE									
1	100		7.898						
2	100		9.688						
13 Dieldrin									
1	100		8.356						
2	100		9.821						
17 Endrin									
1	100		8.818						
2	100		10.343						
26 Kepone									
1	100		8.909						
2	100		10.531						
1 4,4'-DDD									
1	100		9.188						
2	100		10.718						
15 Endosulfan II									
1	100		9.266						
2	100		10.718						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
9 Chlorobenzilate									
1	100		9.280						
2	100		10.533						
30 Toxaphene									
1	100		9.497						
1	2		9.948						
1	3		10.011						
1	4		10.596						
1	5		11.162						
2	100		10.881						
2	2		11.428						
2	3		11.831						
2	4		12.057						
2	5		12.445						
3 4,4'-DDT									
1	100		9.706						
2	100		11.204						
18 Endrin aldehyde									
1	100		10.063						
2	100		11.290						
28 Mirex									
1	100		10.476						
2	100		12.377						
27 Methoxychlor									
1	100		10.659						
2	100		12.283						
16 Endosulfan sulfate									
1	100		10.786						
2	100		11.722						
19 Endrin ketone									
1	100		11.187						
2	100		12.460						
$ 10 DCB Decachlorobiphenyl									
1	100	12.796	12.800	-0.004	22088920	0.008653			
2	100	14.238	14.240	-0.002	61525381	0.009057			
						RPD = 4.56			

QC Flag Legend

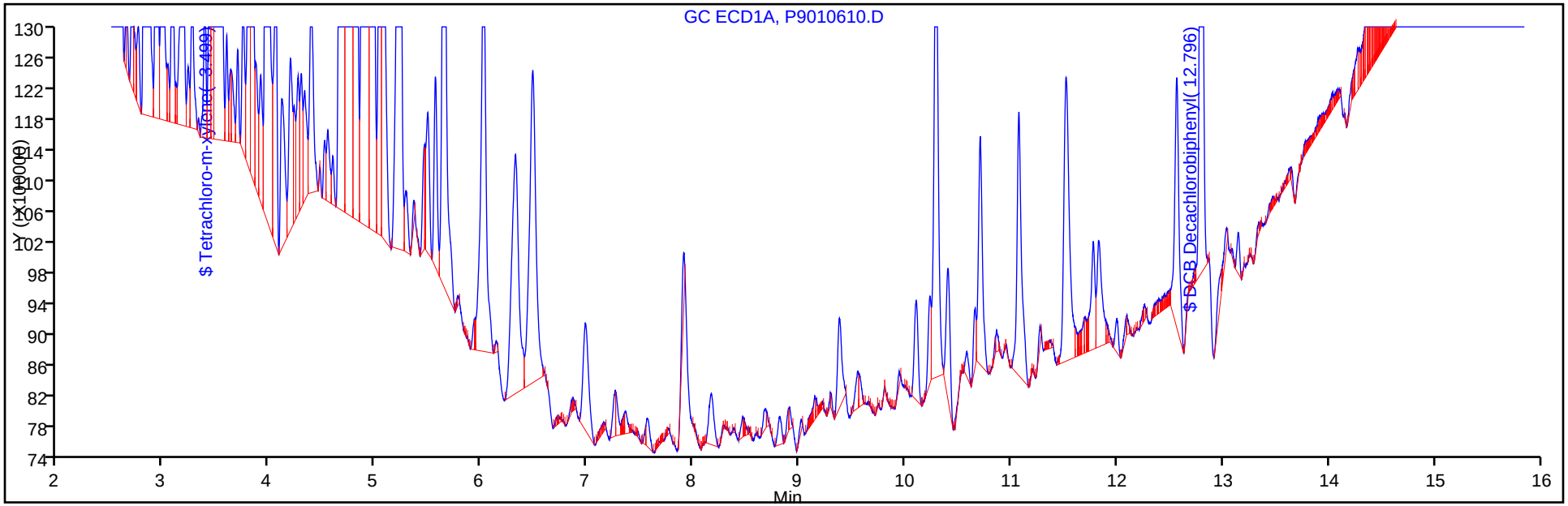
Processing Flags
1 - Missing Peaks

Report Date: 07-Jan-2013 07:30:32 Chrom Revision: 2.0 27-Nov-2012 13:14:12

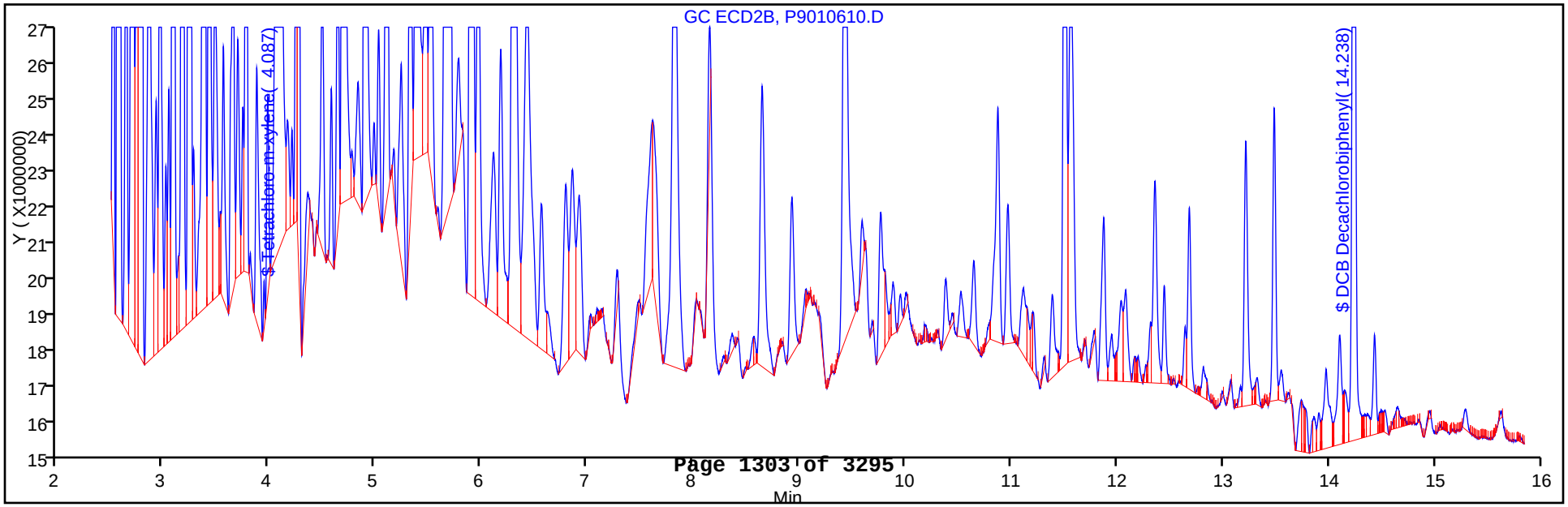
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010610.D		
Injection Date:	06-Jan-2013 19:57:27	Limit Group:	GC 8081 D0D ICAL
Client ID:	070-0059-0001-IDW	Instrument ID:	A2HP9
Lims Batch ID:	71174	Lims Sample ID:	10
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 67554

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/06/2012 10:48 Calibration End Date: 12/06/2012 13:08 Calibration ID: 12706

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-67554/5	P9120605.D
Level 2	STD 240-67554/6	P9120606.D
Level 3	STD 240-67554/7	P9120607.D
Level 4	STD 240-67554/8	P9120608.D
Level 5	STD 240-67554/9	P9120609.D
Level 6	STD 240-67554/10	P9120610.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
alpha-BHC	4.184	4.184	4.185	4.184	4.184	4.185					4.155 - 4.215	4.184
gamma-BHC (Lindane)	4.560	4.560	4.560	4.561	4.560	4.561					4.530 - 4.590	4.560
beta-BHC	4.691	4.691	4.691	4.692	4.692	4.693					4.661 - 4.721	4.692
delta-BHC	4.905	4.905	4.905	4.905	4.906	4.906					4.875 - 4.935	4.905
Heptachlor	5.186	5.186	5.187	5.188	5.187	5.188					5.152 - 5.222	5.187
Aldrin	5.639	5.639	5.639	5.638	5.638	5.639					5.609 - 5.669	5.639
Heptachlor epoxide	6.866	6.867	6.868	6.867	6.868	6.868					6.838 - 6.898	6.867
gamma-Chlordane	7.173	7.173	7.174	7.173	7.172	7.174					7.144 - 7.204	7.173
alpha-Chlordane	7.525	7.525	7.526	7.525	7.524	7.524					7.496 - 7.556	7.525
Endosulfan I	7.802	7.802	7.803	7.801	7.803	7.803					7.773 - 7.833	7.802
4,4'-DDE	7.905	7.904	7.906	7.907	7.905	7.904					7.876 - 7.936	7.905
Dieldrin	8.369	8.367	8.367	8.368	8.368	8.368					8.337 - 8.397	8.368
Endrin	8.825	8.825	8.827	8.826	8.827	8.825					8.797 - 8.857	8.826
4,4'-DDD	9.189	9.188	9.188	9.190	9.190	9.189					9.158 - 9.218	9.189
Endosulfan II	9.276	9.276	9.276	9.278	9.277	9.277					9.246 - 9.306	9.277
4,4'-DDT	9.710	9.709	9.711	9.710	9.711	9.712					9.681 - 9.741	9.711
Endrin aldehyde	10.070	10.071	10.071	10.070	10.070	10.072					10.041 - 10.101	10.071
Methoxychlor	10.660	10.659	10.661	10.661	10.661	10.661					10.631 - 10.691	10.661
Endosulfan sulfate	10.791	10.794	10.794	10.794	10.795	10.795					10.764 - 10.824	10.794
Endrin ketone	11.194	11.194	11.194	11.193	11.195	11.193					11.164 - 11.224	11.194
Tetrachloro-m-xylene	3.501	3.501	3.501	3.502	3.502	3.503					3.471 - 3.531	3.502
DCB Decachlorobiphenyl	12.805	12.804	12.803	12.806	12.804	12.805					12.773 - 12.833	12.805

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 67554

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/06/2012 10:48 Calibration End Date: 12/06/2012 13:08 Calibration ID: 12706

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-67554/5	P9120605.D
Level 2	STD 240-67554/6	P9120606.D
Level 3	STD 240-67554/7	P9120607.D
Level 4	STD 240-67554/8	P9120608.D
Level 5	STD 240-67554/9	P9120609.D
Level 6	STD 240-67554/10	P9120610.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
alpha-BHC	3586555400 3637613720	2916578200 3465599795	3365228440	3557030340	Ave		3421434316				7.8		20.0			
gamma-BHC (Lindane)	3191440600 3077244680	2450261400 2876063095	2834463560	3053146580	Ave		2913769986				9.0		20.0			
beta-BHC	1476811400 1255720400	1118301700 1175580385	1213417160	1261514420	Ave		1250224244				9.9		20.0			
delta-BHC	3193101400 3227352440	2536606900 3143443075	3029876440	3240134960	Ave		3061752536				8.8		20.0			
Heptachlor	3009020200 2744701200	2330803800 2487291040	2579119360	2779105240	Ave		2655006807				9.0		20.0			
Aldrin	3509740000 3238220780	2859458200 3101445160	3173868720	3255879720	Ave		3189768763				6.7		20.0			
Heptachlor epoxide	3009245200 2602529290	2278720400 2393061935	2543642120	2658510540	Ave		2580951581				9.8		20.0			
gamma-Chlordane	3129551200 2908627190	2408994400 2777083860	2738373440	2899482580	Ave		2810352112				8.5		20.0			
alpha-Chlordane	3292464800 2968773130	2562003300 2840169160	2857617080	2966442360	Ave		2914578305				8.1		20.0			
Endosulfan I	2882976000 2419067430	2169178000 2227474740	2386114960	2496293020	Ave		2430184025				10.0		20.0			
4,4'-DDE	3280808600 3036671440	2690352800 2911849685	2944154160	3044012660	Ave		2984641558				6.5		20.0			
Dieldrin	2827555600 2536875530	2173999500 2370901895	2479808280	2596960620	Ave		2497683571				8.8		20.0			
Endrin	2625899600 2300544390	2034352000 2115542150	2165227240	2355072040	Ave		2266106237				9.4		20.0			
4,4'-DDD	1996123600 1914192010	1549706100 1843992875	1791152240	1924390520	Ave		1836592891				8.6		20.0			
Endosulfan II	2797609800 2297728620	2106413800 2151967255	2361923680	2444173760	Ave		2359969486				11.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 67554

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/06/2012 10:48 Calibration End Date: 12/06/2012 13:08 Calibration ID: 12706

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
4,4'-DDT	2140046000 2130596840	1684867800 1994273015	1941510640	2075930440	Ave		1994537456				8.5		20.0			
Endrin aldehyde	2102280800 1808389640	1605557600 1641658925	1779459400	1860970620	Ave		1799719498				9.9		20.0			
Methoxychlor	1105380000 927598750	845511900 832084450	945061960	956203100	Ave		935306693				11.0		20.0			
Endosulfan sulfate	2504145800 2183861460	1912156400 1999407050	2167604360	2255887340	Ave		2170510402				9.5		20.0			
Endrin ketone	2638848200 2239313160	2003847800 2039941480	2224100640	2318859840	Ave		2244151853				10.0		20.0			
Tetrachloro-m-xylene	2932003200 2524693710	2461314000 2439890100	2557307040	2636055120	Ave		2591877195				7.0		20.0			
DCB Decachlorobiphenyl	2662722200 2406785450	2129942300 2301208295	2411471560	2422844620	Ave		2389162404				7.3		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 67554

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/06/2012 10:48 Calibration End Date: 12/06/2012 13:08 Calibration ID: 12706

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-67554/5	P9120605.D
Level 2	STD 240-67554/6	P9120606.D
Level 3	STD 240-67554/7	P9120607.D
Level 4	STD 240-67554/8	P9120608.D
Level 5	STD 240-67554/9	P9120609.D
Level 6	STD 240-67554/10	P9120610.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
alpha-BHC	Ave	17932777 693119959	29165782	84130711	177851517	363761372	0.00500 0.200	0.0100	0.0250	0.0500	0.100
gamma-BHC (Lindane)	Ave	15957203 575212619	24502614	70861589	152657329	307724468	0.00500 0.200	0.0100	0.0250	0.0500	0.100
beta-BHC	Ave	7384057 235116077	11183017	30335429	63075721	125572040	0.00500 0.200	0.0100	0.0250	0.0500	0.100
delta-BHC	Ave	15965507 628688615	25366069	75746911	162006748	322735244	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Heptachlor	Ave	15045101 497458208	23308038	64477984	138955262	274470120	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Aldrin	Ave	17548700 620289032	28594582	79346718	162793986	323822078	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Heptachlor epoxide	Ave	15046226 478612387	22787204	63591053	132925527	260252929	0.00500 0.200	0.0100	0.0250	0.0500	0.100
gamma-Chlordane	Ave	15647756 555416772	24089944	68459336	144974129	290862719	0.00500 0.200	0.0100	0.0250	0.0500	0.100
alpha-Chlordane	Ave	16462324 568033832	25620033	71440427	148322118	296877313	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endosulfan I	Ave	14414880 445494948	21691780	59652874	124814651	241906743	0.00500 0.200	0.0100	0.0250	0.0500	0.100
4,4'-DDE	Ave	16404043 582369937	26903528	73603854	152200633	303667144	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Dieldrin	Ave	14137778 474180379	21739995	61995207	129848031	253687553	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endrin	Ave	13129498 423108430	20343520	54130681	117753602	230054439	0.00500 0.200	0.0100	0.0250	0.0500	0.100
4,4'-DDD	Ave	9980618 368798575	15497061	44778806	96219526	191419201	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endosulfan II	Ave	13988049 430393451	21064138	59048092	122208688	229772862	0.00500 0.200	0.0100	0.0250	0.0500	0.100
4,4'-DDT	Ave	10700230 398854603	16848678	48537766	103796522	213059684	0.00500 0.200	0.0100	0.0250	0.0500	0.100

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 67554

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/06/2012 10:48 Calibration End Date: 12/06/2012 13:08 Calibration ID: 12706

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Endrin aldehyde	Ave	10511404 328331785	16055576	44486485	93048531	180838964	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Methoxychlor	Ave	5526900 166416890	8455119	23626549	47810155	92759875	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endosulfan sulfate	Ave	12520729 399881410	19121564	54190109	112794367	218386146	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endrin ketone	Ave	13194241 407988296	20038478	55602516	115942992	223931316	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Tetrachloro-m-xylene	Ave	14660016 487978020	24613140	63932676	131802756	252469371	0.00500 0.200	0.0100	0.0250	0.0500	0.100
DCB Decachlorobiphenyl	Ave	13313611 460241659	21299423	60286789	121142231	240678545	0.00500 0.200	0.0100	0.0250	0.0500	0.100

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120605.D
Lims ID: STD AB L1 Client ID:
Inject. Date: 06-Dec-2012 10:48:32 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0015581-005
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 67554 Lims Sample ID: 5
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\PEST9.m
Last Update: 07-Dec-2012 10:25:15 Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

First Level Reviewer: vandorenc Date: 07-Dec-2012 07:03:15

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.501	3.501	0.000	14660016	0.005656			
2	100	4.094	4.094	0.000	41879947	0.005419			
						RPD = 4.28			
5 alpha-BHC									
1	100	4.184	4.185	-0.001	17932777	0.005241			
2	100	4.920	4.921	-0.001	53428941	0.004947			
						RPD = 5.77			
20 gamma-BHC (Lindane)									
1	100	4.560	4.560	0.000	15957203	0.005476			
2	100	5.476	5.477	-0.001	48324901	0.005385			
						RPD = 1.69			
7 beta-BHC									
1	100	4.691	4.691	0.000	7384057	0.005906			
2	100	5.653	5.653	0.000	22763108	0.006034			
						RPD = 2.14			
11 delta-BHC									
1	100	4.905	4.905	0.000	15965507	0.005214			
2	100	6.204	6.204	0.000	49026550	0.005200			
						RPD = 0.27			
22 Heptachlor									
1	100	5.186	5.187	-0.001	15045101	0.005667			
2	100	6.303	6.303	0.000	47613888	0.005984			
						RPD = 5.45			
4 Aldrin									
1	100	5.639	5.639	0.000	17548700	0.005502			
2	100	7.019	7.021	-0.002	49036135	0.005541			
						RPD = 0.71			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.866	6.868	-0.002	15046226	0.005830			
2	100	8.506	8.506	0.000	43009905	0.005897			
						RPD = 1.14			
21 gamma-Chlordane									
1	100	7.173	7.174	-0.001	15647756	0.005568			
2	100	8.934	8.933	0.001	42682875	0.005715			
						RPD = 2.60			
6 alpha-Chlordane									
1	100	7.525	7.526	-0.001	16462324	0.005648			
2	100	9.245	9.246	-0.001	43837827	0.005798			
						RPD = 2.62			
14 Endosulfan I									
1	100	7.802	7.803	-0.001	14414880	0.005932			
2	100	9.306	9.307	-0.001	37548838	0.006062			
						RPD = 2.18			
2 4,4'-DDE									
1	100	7.905	7.906	-0.001	16404043	0.005496			
2	100	9.705	9.706	-0.001	42594758	0.005680			
						RPD = 3.28			
13 Dieldrin									
1	100	8.369	8.367	0.002	14137778	0.005660			
2	100	9.841	9.842	-0.001	39250703	0.005766			
						RPD = 1.84			
17 Endrin									
1	100	8.825	8.827	-0.002	13129498	0.005794			
2	100	10.363	10.363	0.000	36297633	0.005737			
						RPD = 0.98			
1 4,4'-DDD									
1	100	9.189	9.188	0.001	9980618	0.005434			
2	100	10.734	10.735	-0.001	55673426	0.005160			
						RPD = 5.18			
15 Endosulfan II									M
1	100	9.276	9.276	0.000	13988049	0.005927			
2	100	10.734	10.735	-0.001	60213459	0.005503			M
						RPD = 7.42			
3 4,4'-DDT									
1	100	9.710	9.711	-0.001	10700230	0.005365			
2	100	11.219	11.221	-0.002	26060441	0.005287			
						RPD = 1.46			
18 Endrin aldehyde									
1	100	10.070	10.071	-0.001	10511404	0.005841			
2	100	11.307	11.309	-0.002	27614845	0.005836			
						RPD = 0.08			
27 Methoxychlor									
1	100	10.660	10.661	-0.001	5526900	0.005909			
2	100	12.297	12.297	0.000	14481311	0.005819			
						RPD = 1.54			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.791	10.794	-0.003	12520729	0.005769			
2	100	11.740	11.741	-0.001	31922825	0.005637			
						RPD = 2.30			
19 Endrin ketone									
1	100	11.194	11.194	0.000	13194241	0.005879			
2	100	12.477	12.478	-0.001	32841521	0.005694			
						RPD = 3.21			
$ 10 DCB Decachlorobiphenyl									
1	100	12.805	12.803	0.002	13313611	0.005573			
2	100	14.255	14.256	-0.001	32331243	0.005636			
						RPD = 1.13			

QC Flag Legend

Review Flags
M - Manually Integrated

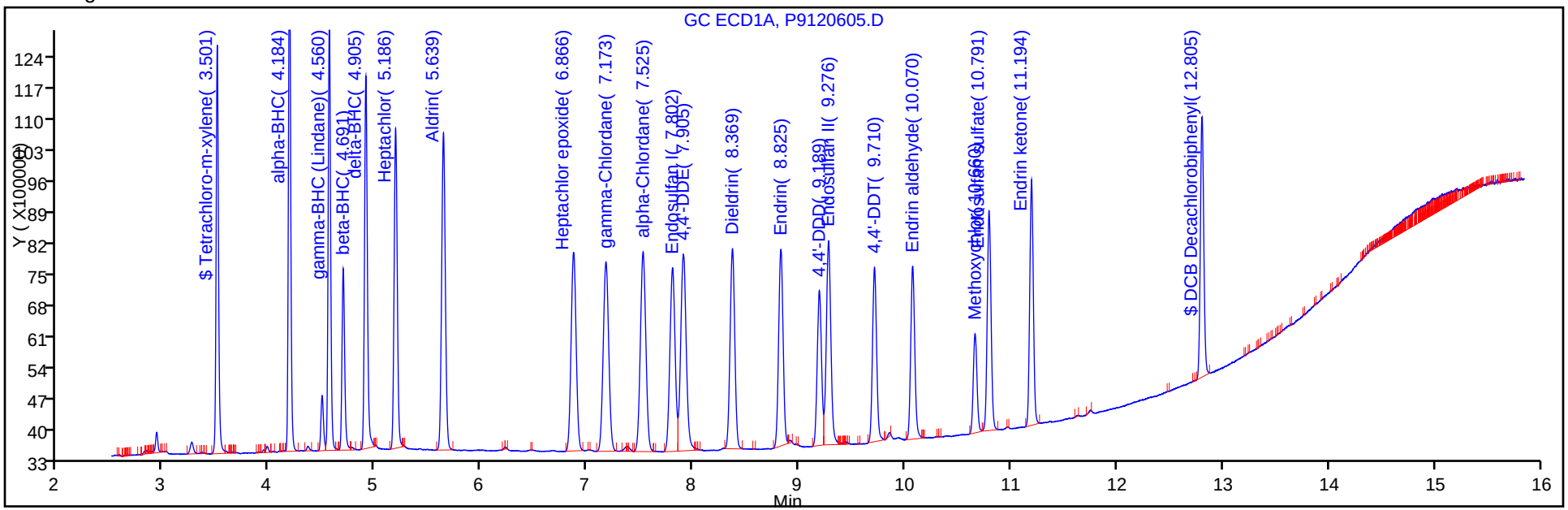
Report Date: 07-Dec-2012 10:25:16 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

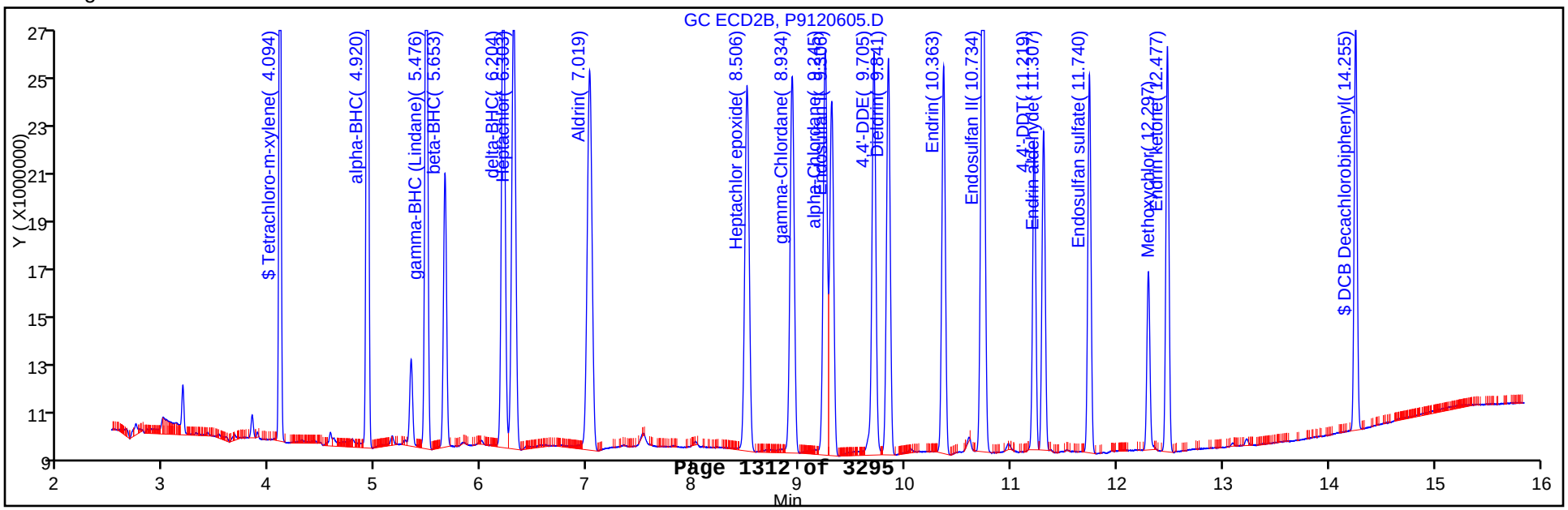
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120605.D

Injection Date:	06-Dec-2012 10:48:32	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	5
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

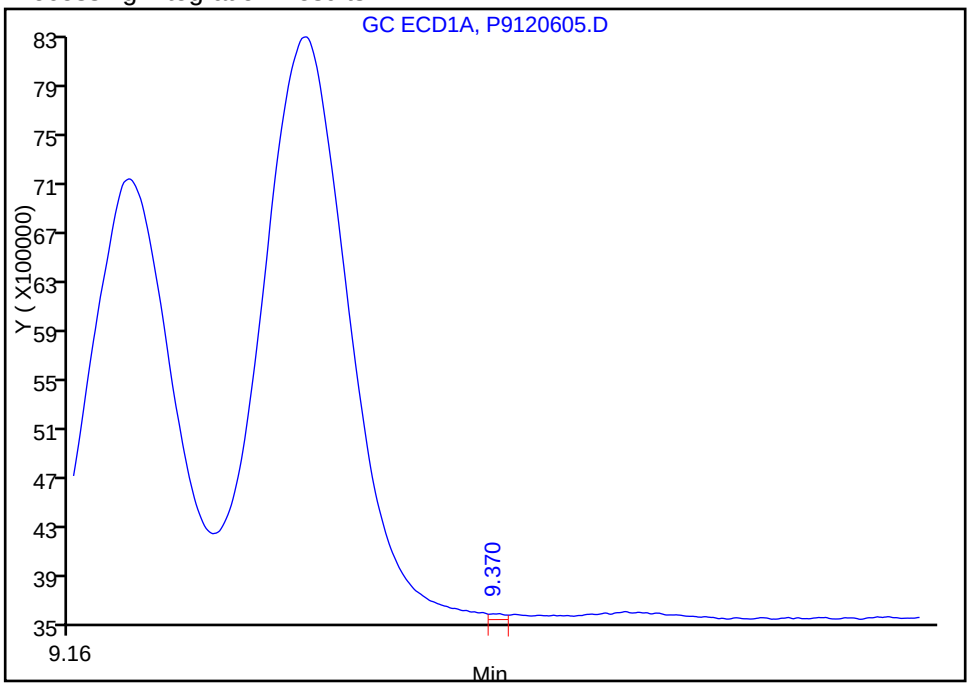
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120605.D		
Injection Date:	06-Dec-2012 10:48:32	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	5
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

15 Endosulfan II, Signal: 1, Type: quant, RT: 9.28, Det: GC ECD1A

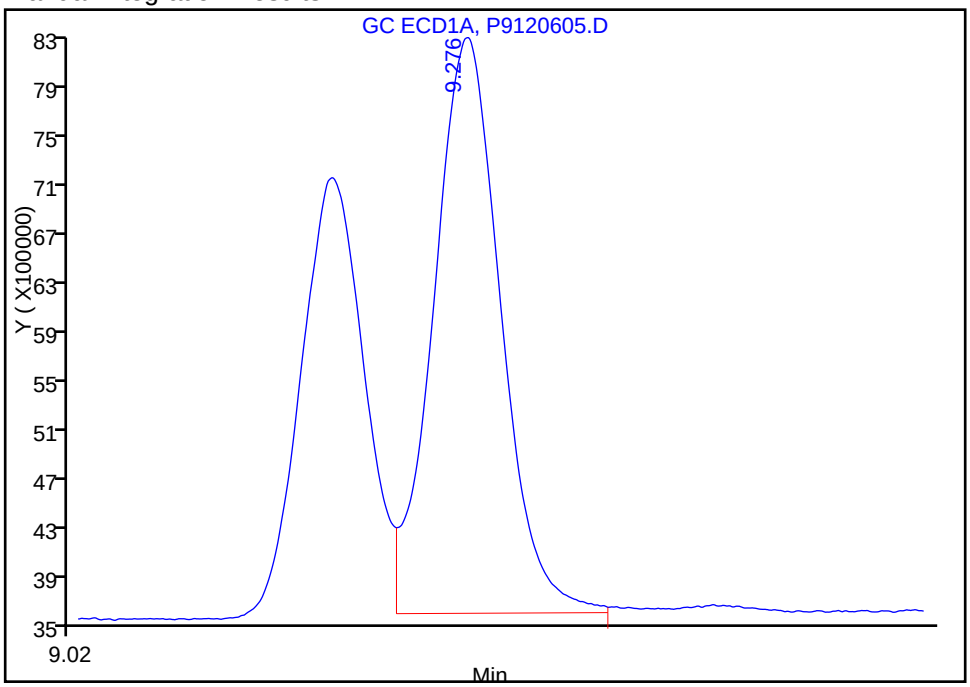
Processing Integration Results

RT: 9.37
Response: 25356
Amount: 0.005000



Manual Integration Results

RT: 9.28
Response: 13988049
Amount: 0.005927



Reviewer: vandorenc, 07-Dec-2012 07:03:15
Audit Action: Assigned Compound ID
Audit Reason:

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120606.D
Lims ID: STD AB L2 Client ID:
Inject. Date: 06-Dec-2012 11:16:36 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0015581-006
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 6
Lims Batch ID: 67554 Lims Sample ID: 6
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\PEST9.m
Last Update: 07-Dec-2012 10:25:17 Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

First Level Reviewer: vandorenc Date: 07-Dec-2012 07:19:50

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.501	3.501	0.000	24613140	0.009496			
2	100	4.094	4.094	0.000	70475093	0.009120			
						RPD = 4.05			
5 alpha-BHC									
1	100	4.184	4.185	-0.001	29165782	0.008524			
2	100	4.920	4.921	-0.001	85874340	0.007952			
						RPD = 6.95			
20 gamma-BHC (Lindane)									
1	100	4.560	4.560	0.000	24502614	0.008409			
2	100	5.476	5.477	-0.001	73244274	0.008162			
						RPD = 2.99			
7 beta-BHC									
1	100	4.691	4.691	0.000	11183017	0.008945			
2	100	5.653	5.653	0.000	34077269	0.009033			
						RPD = 0.98			
11 delta-BHC									
1	100	4.905	4.905	0.000	25366069	0.008285			
2	100	6.203	6.204	-0.001	75355327	0.007993			
						RPD = 3.58			
22 Heptachlor									
1	100	5.186	5.187	-0.001	23308038	0.008779			
2	100	6.302	6.303	-0.001	70907569	0.008911			
						RPD = 1.50			
4 Aldrin									
1	100	5.639	5.639	0.000	28594582	0.008964			
2	100	7.019	7.021	-0.002	79062736	0.008933			
						RPD = 0.35			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.867	6.868	-0.001	22787204	0.008829			
2	100	8.506	8.506	0.000	64345850	0.008822			
						RPD = 0.08			
21 gamma-Chlordane									
1	100	7.173	7.174	-0.001	24089944	0.008572			
2	100	8.931	8.933	-0.002	64683143	0.008660			
						RPD = 1.02			
6 alpha-Chlordane									
1	100	7.525	7.526	-0.001	25620033	0.008790			
2	100	9.245	9.246	-0.001	66736139	0.008827			
						RPD = 0.42			
14 Endosulfan I									
1	100	7.802	7.803	-0.001	21691780	0.008926			
2	100	9.305	9.307	-0.002	55586925	0.008975			
						RPD = 0.54			
2 4,4'-DDE									
1	100	7.904	7.906	-0.002	26903528	0.009014			
2	100	9.704	9.706	-0.002	65969120	0.008796			
						RPD = 2.44			
13 Dieldrin									
1	100	8.367	8.367	0.000	21739995	0.008704			
2	100	9.841	9.842	-0.001	58807201	0.008638			
						RPD = 0.76			
17 Endrin									
1	100	8.825	8.827	-0.002	20343520	0.008977			
2	100	10.364	10.363	0.001	54602723	0.008631			
						RPD = 3.94			
1 4,4'-DDD									
1	100	9.188	9.188	0.000	15497061	0.008438			
2	100	10.734	10.735	-0.001	92262574	0.008551			
						RPD = 1.33			
15 Endosulfan II									
1	100	9.276	9.276	0.000	21064138	0.008926			
2	100	10.734	10.735	-0.001	92262574	0.008432			
						RPD = 5.68			
3 4,4'-DDT									
1	100	9.709	9.711	-0.002	16848678	0.008447			
2	100	11.219	11.221	-0.002	40894939	0.008297			
						RPD = 1.80			
18 Endrin aldehyde									
1	100	10.071	10.071	0.000	16055576	0.008921			
2	100	11.308	11.309	-0.001	42363447	0.008953			
						RPD = 0.36			
27 Methoxychlor									
1	100	10.659	10.661	-0.002	8455119	0.009040			
2	100	12.299	12.297	0.002	22616291	0.009088			
						RPD = 0.53			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.794	10.794	0.000	19121564	0.008810			
2	100	11.741	11.741	0.000	48559323	0.008575			
						RPD = 2.70			
19 Endrin ketone									
1	100	11.194	11.194	0.000	20038478	0.008929			
2	100	12.478	12.478	0.000	50093393	0.008684			
						RPD = 2.78			
$ 10 DCB Decachlorobiphenyl									
1	100	12.804	12.803	0.001	21299423	0.008915			
2	100	14.256	14.256	0.000	50286460	0.008766			
						RPD = 1.69			

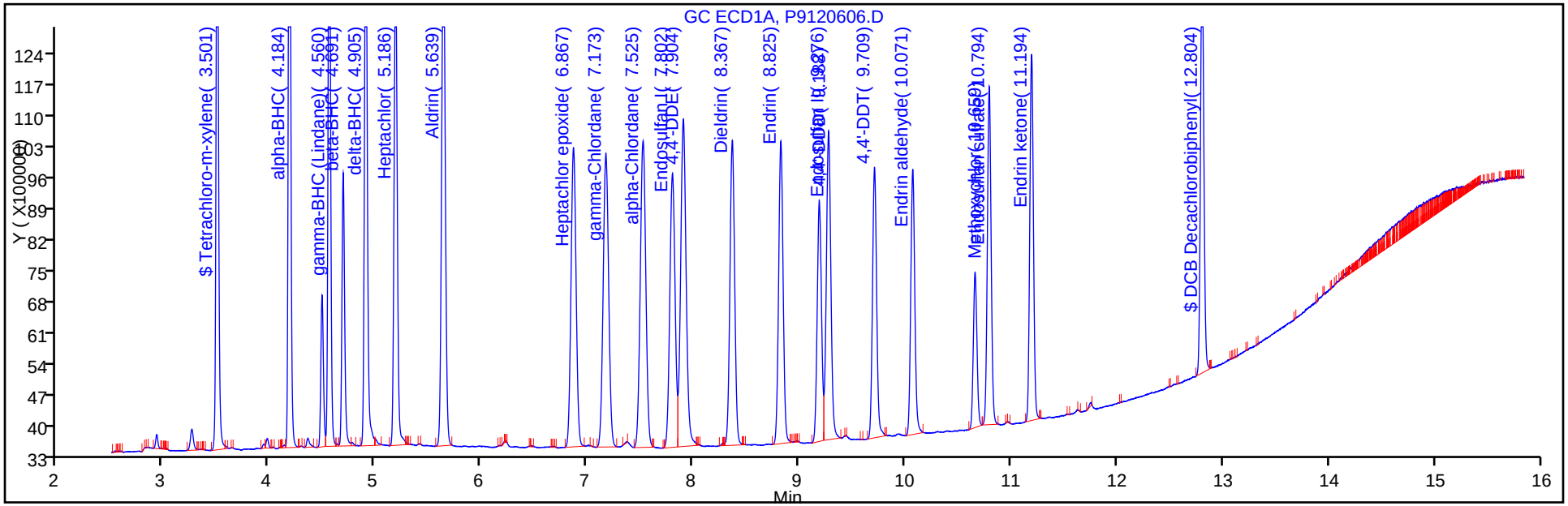
Report Date: 07-Dec-2012 10:25:18 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

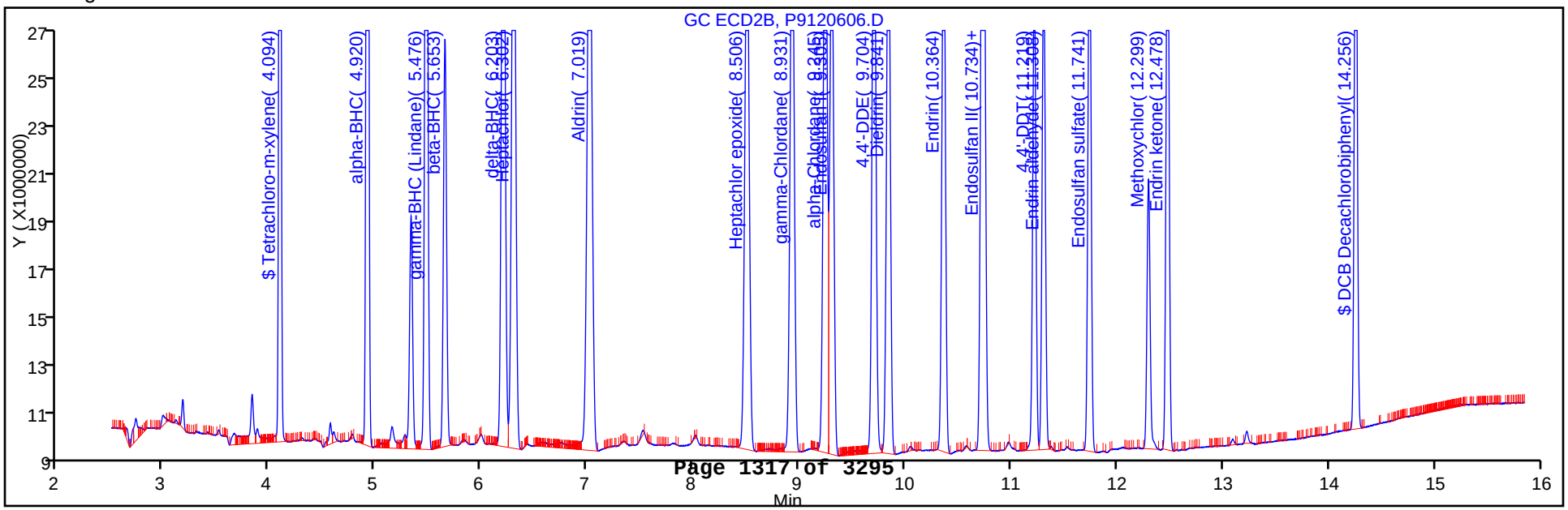
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120606.D

Injection Date:	06-Dec-2012 11:16:36	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	6
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120607.D
Lims ID: STD AB L3 Client ID:
Inject. Date: 06-Dec-2012 11:44:51 Dil. Factor: 1.0000
Sample Type: ICRT Calib Level: 3
Sample ID: 240-0015581-007
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 7
Lims Batch ID: 67554 Lims Sample ID: 7
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\PEST9.m
Last Update: 07-Dec-2012 10:25:19 Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

First Level Reviewer: vandorenc Date: 07-Dec-2012 07:26:04

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.501	3.501	0.000	63932676	0.0247			
2	100	4.094	4.094	0.000	185444155	0.0240			
						RPD = 2.75			
5 alpha-BHC									
1	100	4.185	4.185	0.000	84130711	0.0246			
2	100	4.921	4.921	0.000	250061160	0.0232			
						RPD = 6.01			
20 gamma-BHC (Lindane)									
1	100	4.560	4.560	0.000	70861589	0.0243			
2	100	5.477	5.477	0.000	207838612	0.0232			
						RPD = 4.89			
7 beta-BHC									
1	100	4.691	4.691	0.000	30335429	0.0243			
2	100	5.653	5.653	0.000	90412982	0.0240			
						RPD = 1.23			
11 delta-BHC									
1	100	4.905	4.905	0.000	75746911	0.0247			
2	100	6.204	6.204	0.000	219625560	0.0233			
						RPD = 6.01			
22 Heptachlor									
1	100	5.187	5.187	0.000	64477984	0.0243			
2	100	6.303	6.303	0.000	186430499	0.0234			
						RPD = 3.59			
4 Aldrin									
1	100	5.639	5.639	0.000	79346718	0.0249			
2	100	7.021	7.021	0.000	211654953	0.0239			
						RPD = 3.94			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.868	6.868	0.000	63591053	0.0246			
2	100	8.506	8.506	0.000	174185100	0.0239			
						RPD = 3.12			
21 gamma-Chlordane									
1	100	7.174	7.174	0.000	68459336	0.0244			
2	100	8.933	8.933	0.000	177297141	0.0237			
						RPD = 2.59			
6 alpha-Chlordane									
1	100	7.526	7.526	0.000	71440427	0.0245			
2	100	9.246	9.246	0.000	180554580	0.0239			
						RPD = 2.60			
14 Endosulfan I									
1	100	7.803	7.803	0.000	59652874	0.0245			
2	100	9.307	9.307	0.000	148002566	0.0239			
						RPD = 2.69			
2 4,4'-DDE									
1	100	7.906	7.906	0.000	73603854	0.0247			
2	100	9.706	9.706	0.000	179746847	0.0240			
						RPD = 2.85			
13 Dieldrin									
1	100	8.367	8.367	0.000	61995207	0.0248			
2	100	9.842	9.842	0.000	162706012	0.0239			
						RPD = 3.78			
17 Endrin									
1	100	8.827	8.827	0.000	54130681	0.0239			
2	100	10.363	10.363	0.000	150909002	0.0239			
						RPD = 0.14			
1 4,4'-DDD									
1	100	9.188	9.188	0.000	44778806	0.0244			
2	100	10.735	10.735	0.000	260095462	0.0241			
						RPD = 1.14			
15 Endosulfan II									
1	100	9.276	9.276	0.000	59048092	0.0250			
2	100	10.735	10.735	0.000	260095462	0.0238			
						RPD = 5.12			
3 4,4'-DDT									
1	100	9.711	9.711	0.000	48537766	0.0243			
2	100	11.221	11.221	0.000	116045447	0.0235			
						RPD = 3.31			
18 Endrin aldehyde									
1	100	10.071	10.071	0.000	44486485	0.0247			
2	100	11.309	11.309	0.000	114759530	0.0243			
						RPD = 1.90			
27 Methoxychlor									
1	100	10.661	10.661	0.000	23626549	0.0253			
2	100	12.297	12.297	0.000	61155478	0.0246			
						RPD = 2.76			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.794	10.794	0.000	54190109	0.0250			
2	100	11.741	11.741	0.000	134229880	0.0237			
						RPD = 5.19			
19 Endrin ketone									
1	100	11.194	11.194	0.000	55602516	0.0248			
2	100	12.478	12.478	0.000	138377790	0.0240			
						RPD = 3.23			
$ 10 DCB Decachlorobiphenyl									
1	100	12.803	12.803	0.000	60286789	0.0252			
2	100	14.256	14.256	0.000	137380160	0.0239			
						RPD = 5.23			

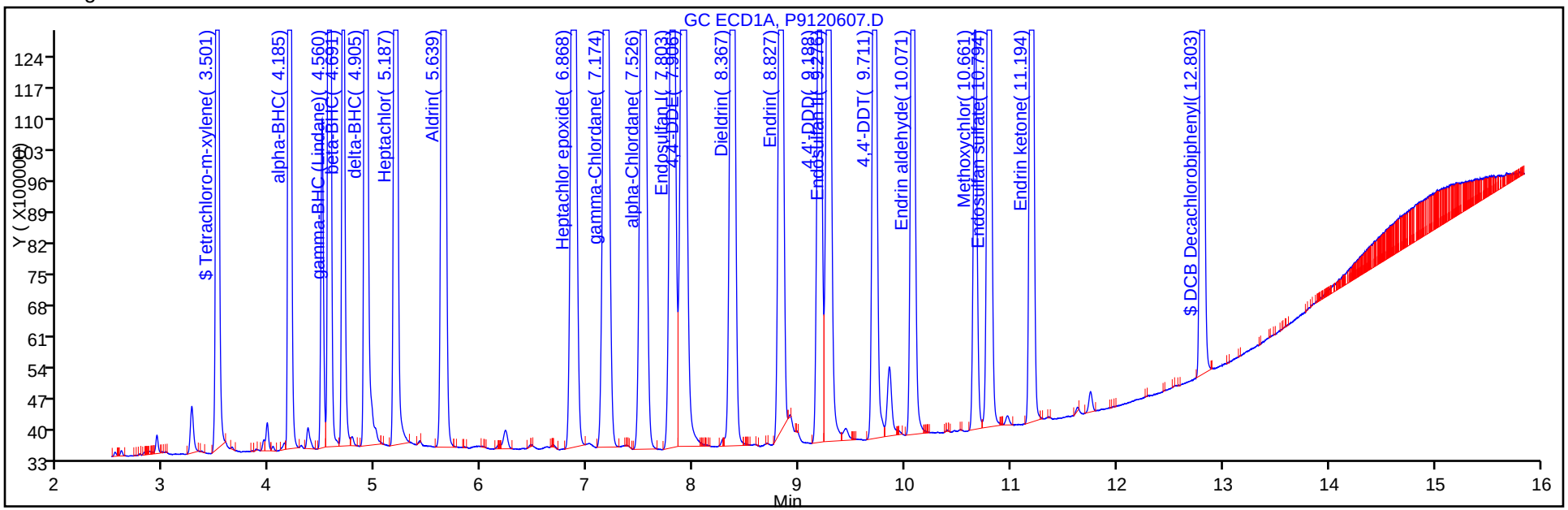
Report Date: 07-Dec-2012 10:25:20 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

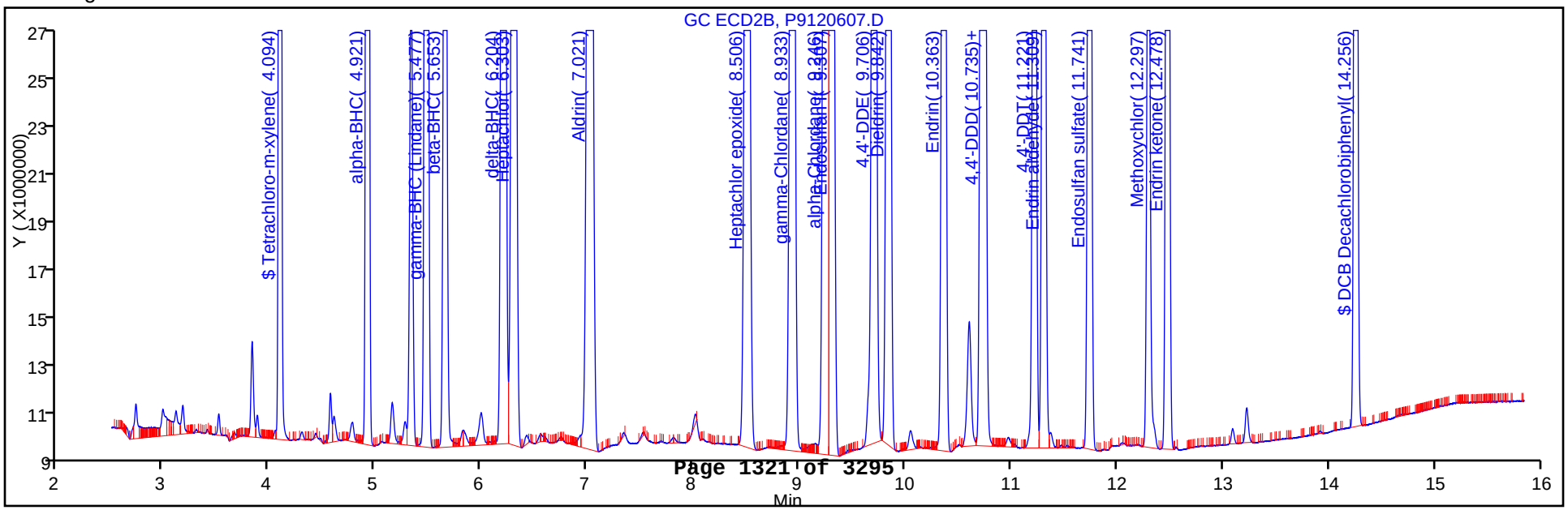
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120607.D

Injection Date:	06-Dec-2012 11:44:51	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	7
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120608.D
Lims ID: STD AB L4 Client ID:
Inject. Date: 06-Dec-2012 12:12:38 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0015581-008
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 8
Lims Batch ID: 67554 Lims Sample ID: 8
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\PEST9.m
Last Update: 07-Dec-2012 10:25:22 Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

First Level Reviewer: vandorenc Date: 07-Dec-2012 07:26:52

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.502	3.501	0.001	131802756	0.0509			
2	100	4.093	4.094	-0.001	387464841	0.0501			
						RPD = 1.41			
5 alpha-BHC									
1	100	4.184	4.185	-0.001	177851517	0.0520			
2	100	4.920	4.921	-0.001	552155267	0.0511			
						RPD = 1.66			
20 gamma-BHC (Lindane)									
1	100	4.561	4.560	0.001	152657329	0.0524			
2	100	5.476	5.477	-0.001	462340943	0.0515			
						RPD = 1.68			
7 beta-BHC									
1	100	4.692	4.691	0.001	63075721	0.0505			
2	100	5.652	5.653	-0.001	186094681	0.0493			
						RPD = 2.25			
11 delta-BHC									
1	100	4.905	4.905	0.000	162006748	0.0529			
2	100	6.203	6.204	-0.001	484762669	0.0514			
						RPD = 2.86			
22 Heptachlor									
1	100	5.188	5.187	0.001	138955262	0.0523			
2	100	6.302	6.303	-0.001	399191472	0.0502			
						RPD = 4.23			
4 Aldrin									
1	100	5.638	5.639	-0.001	162793986	0.0510			
2	100	7.019	7.021	-0.002	438753317	0.0496			
						RPD = 2.91			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.867	6.868	-0.001	132925527	0.0515			
2	100	8.506	8.506	0.000	366485047	0.0502			
						RPD = 2.47			
21 gamma-Chlordane									M
1	100	7.173	7.174	-0.001	144974129	0.0516			
2	100	8.933	8.933	0.000	372619183	0.0499			M
						RPD = 3.35			
6 alpha-Chlordane									
1	100	7.525	7.526	-0.001	148322118	0.0509			
2	100	9.245	9.246	-0.001	373127716	0.0494			
						RPD = 3.07			
14 Endosulfan I									
1	100	7.801	7.803	-0.002	124814651	0.0514			
2	100	9.307	9.307	0.000	310192672	0.0501			
						RPD = 2.52			
2 4,4'-DDE									
1	100	7.907	7.906	0.001	152200633	0.0510			
2	100	9.705	9.706	-0.001	368047018	0.0491			
						RPD = 3.84			
13 Dieldrin									
1	100	8.368	8.367	0.001	129848031	0.0520			
2	100	9.841	9.842	-0.001	345916217	0.0508			
						RPD = 2.28			
17 Endrin									
1	100	8.826	8.827	-0.001	117753602	0.0520			
2	100	10.363	10.363	0.000	322555035	0.0510			
						RPD = 1.90			
1 4,4'-DDD									
1	100	9.190	9.188	0.002	96219526	0.0524			
2	100	10.733	10.735	-0.002	566789449	0.0525			
						RPD = 0.26			
15 Endosulfan II									
1	100	9.278	9.276	0.002	122208688	0.0518			
2	100	10.733	10.735	-0.002	566789449	0.0518			
						RPD = 0.04			
3 4,4'-DDT									
1	100	9.710	9.711	-0.001	103796522	0.0520			
2	100	11.219	11.221	-0.002	254526637	0.0516			
						RPD = 0.78			
18 Endrin aldehyde									
1	100	10.070	10.071	-0.001	93048531	0.0517			
2	100	11.308	11.309	-0.001	239958508	0.0507			
						RPD = 1.93			
27 Methoxychlor									
1	100	10.661	10.661	0.000	47810155	0.0511			
2	100	12.298	12.297	0.001	126055931	0.0507			
						RPD = 0.91			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.794	10.794	0.000	112794367	0.0520			
2	100	11.741	11.741	0.000	286587649	0.0506			
						RPD = 2.65			
19 Endrin ketone									
1	100	11.193	11.194	-0.001	115942992	0.0517			
2	100	12.478	12.478	0.000	294457574	0.0510			
						RPD = 1.20			
$ 10 DCB Decachlorobiphenyl									
1	100	12.806	12.803	0.003	121142231	0.0507			
2	100	14.256	14.256	0.000	281368183	0.0490			
						RPD = 3.32			

QC Flag Legend

Review Flags
M - Manually Integrated

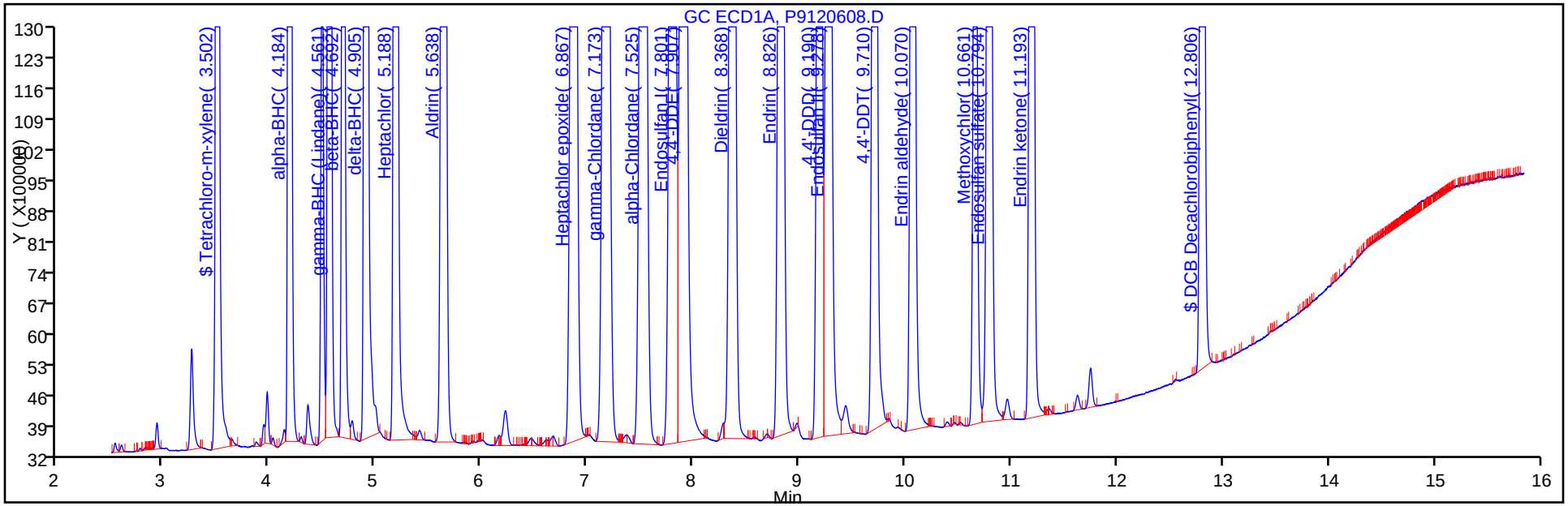
Report Date: 07-Dec-2012 10:25:23 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

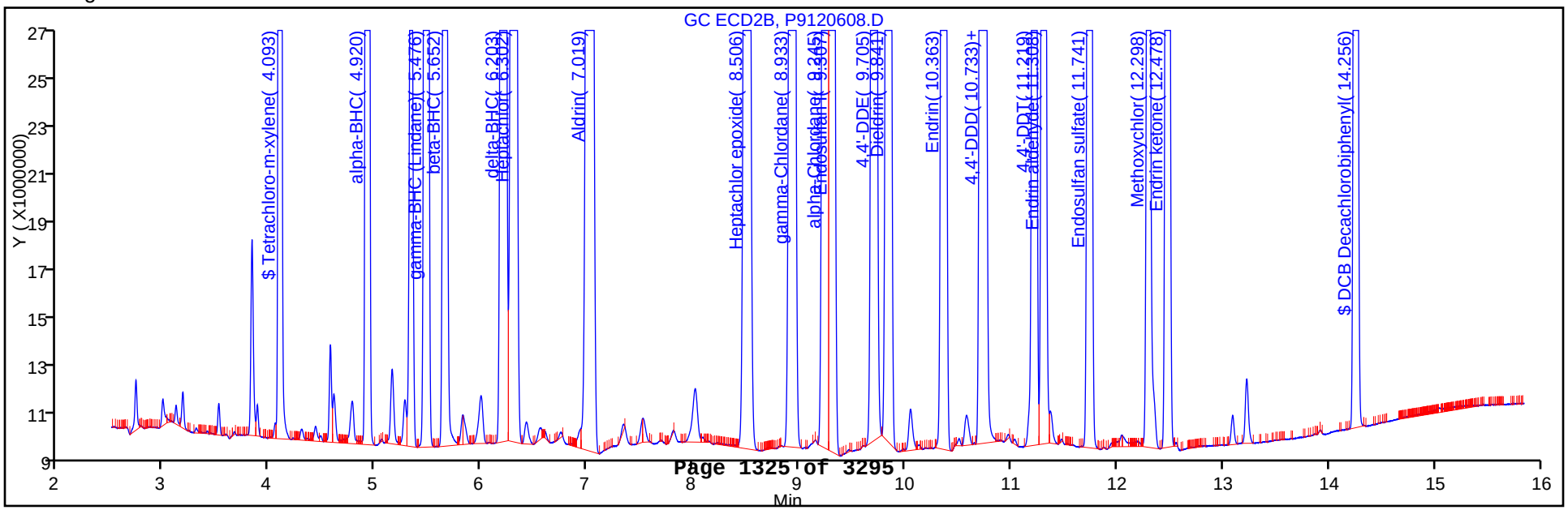
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120608.D

Injection Date:	06-Dec-2012 12:12:38	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	8
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120609.D
Lims ID: STD AB L5 Client ID:
Inject. Date: 06-Dec-2012 12:40:38 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0015581-009
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 9
Lims Batch ID: 67554 Lims Sample ID: 9
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\PEST9.m
Last Update: 07-Dec-2012 10:25:24 Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

First Level Reviewer: vandorenc Date: 07-Dec-2012 07:27:22

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.502	3.501	0.001	252469371	0.0974			
2	100	4.094	4.094	0.000	778482872	0.1007			
						RPD = 3.36			
5 alpha-BHC									
1	100	4.184	4.185	-0.001	363761372	0.1063			
2	100	4.921	4.921	0.000	1203951082	0.1115			
						RPD = 4.74			
20 gamma-BHC (Lindane)									
1	100	4.560	4.560	0.000	307724468	0.1056			
2	100	5.477	5.477	0.000	972381650	0.1084			
						RPD = 2.56			
7 beta-BHC									
1	100	4.692	4.691	0.001	125572040	0.1004			
2	100	5.654	5.653	0.001	374548030	0.0993			
						RPD = 1.16			
11 delta-BHC									
1	100	4.906	4.905	0.001	322735244	0.1054			
2	100	6.204	6.204	0.000	1030583118	0.1093			
						RPD = 3.64			
22 Heptachlor									
1	100	5.187	5.187	0.000	274470120	0.1034			
2	100	6.303	6.303	0.000	809943910	0.1018			
						RPD = 1.55			
4 Aldrin									
1	100	5.638	5.639	-0.001	323822078	0.1015			
2	100	7.022	7.021	0.001	908787749	0.1027			
						RPD = 1.14			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.868	6.868	0.000	260252929	0.1008			
2	100	8.507	8.506	0.001	738205385	0.1012			
						RPD = 0.37			
21 gamma-Chlordane									
1	100	7.172	7.174	-0.002	290862719	0.1035			
2	100	8.933	8.933	0.000	766533947	0.1026			
						RPD = 0.84			
6 alpha-Chlordane									
1	100	7.524	7.526	-0.002	296877313	0.1019			
2	100	9.247	9.246	0.001	761707887	0.1007			
						RPD = 1.10			
14 Endosulfan I									
1	100	7.803	7.803	0.000	241906743	0.0995			
2	100	9.307	9.307	0.000	616612363	0.0996			
						RPD = 0.01			
2 4,4'-DDE									
1	100	7.905	7.906	-0.001	303667144	0.1017			
2	100	9.705	9.706	-0.001	765391531	0.1021			
						RPD = 0.31			
13 Dieldrin									
1	100	8.368	8.367	0.001	253687553	0.1016			
2	100	9.842	9.842	0.000	699363556	0.1027			
						RPD = 1.14			
17 Endrin									
1	100	8.827	8.827	0.000	230054439	0.1015			
2	100	10.364	10.363	0.001	654466776	0.1034			
						RPD = 1.88			
1 4,4'-DDD									
1	100	9.190	9.188	0.002	191419201	0.1042			
2	100	10.733	10.735	-0.002	1153197812	0.1069			
						RPD = 2.51			
15 Endosulfan II									
1	100	9.277	9.276	0.001	229772862	0.0974			
2	100	10.733	10.735	-0.002	1153197812	0.1054			
						RPD = 7.93			
3 4,4'-DDT									
1	100	9.711	9.711	0.000	213059684	0.1068			
2	100	11.221	11.221	0.000	528782263	0.1073			
						RPD = 0.43			
18 Endrin aldehyde									
1	100	10.070	10.071	-0.001	180838964	0.1005			
2	100	11.308	11.309	-0.001	476312177	0.1007			
						RPD = 0.18			
27 Methoxychlor									
1	100	10.661	10.661	0.000	92759875	0.0992			
2	100	12.298	12.297	0.001	246543586	0.0991			
						RPD = 0.11			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.795	10.794	0.001	218386146	0.1006			
2	100	11.742	11.741	0.001	587148869	0.1037			
						RPD = 3.00			
19 Endrin ketone									
1	100	11.195	11.194	0.001	223931316	0.0998			
2	100	12.479	12.478	0.001	595555244	0.1032			
						RPD = 3.41			
$ 10 DCB Decachlorobiphenyl									
1	100	12.804	12.803	0.001	240678545	0.1007			
2	100	14.256	14.256	0.000	583335794	0.1017			
						RPD = 0.94			

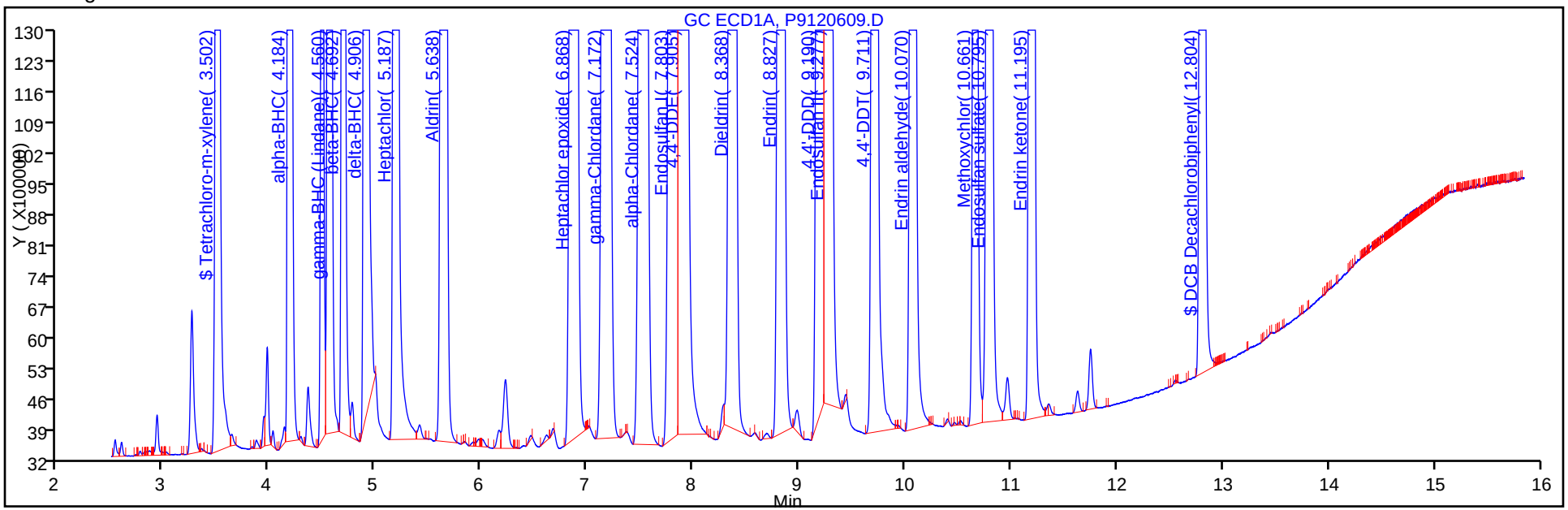
Report Date: 07-Dec-2012 10:25:25 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

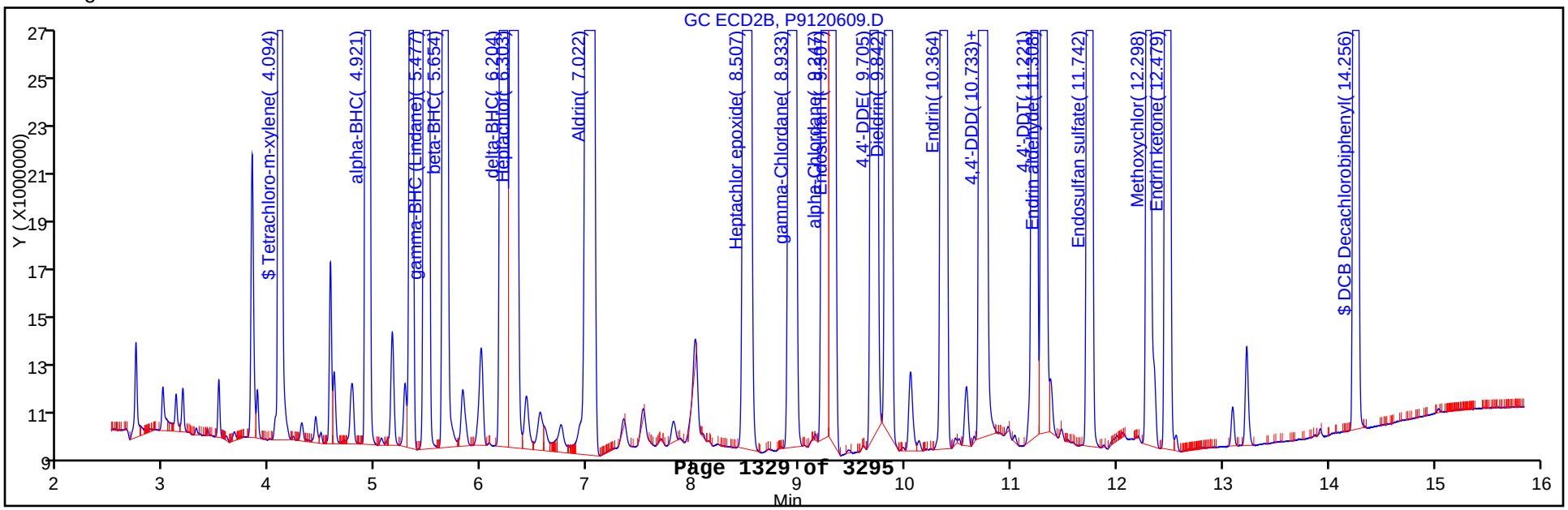
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120609.D

Injection Date:	06-Dec-2012 12:40:38	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	9
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120610.D
Lims ID: STD AB L6 Client ID:
Inject. Date: 06-Dec-2012 13:08:23 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 240-0015581-010
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 10
Lims Batch ID: 67554 Lims Sample ID: 10
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\PEST9.m
Last Update: 07-Dec-2012 10:25:26 Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

First Level Reviewer: vandorenc Date: 07-Dec-2012 07:27:52

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.503	3.501	0.002	487978020	0.1883			
2	100	4.096	4.094	0.002	1598464028	0.2068			
						RPD = 9.40			
5 alpha-BHC									
1	100	4.185	4.185	0.000	693119959	0.2026			
2	100	4.923	4.921	0.002	2487778002	0.2304			
						RPD = 12.83			
20 gamma-BHC (Lindane)									
1	100	4.561	4.560	0.001	575212619	0.1974			
2	100	5.478	5.477	0.001	1914250880	0.2133			
						RPD = 7.74			
7 beta-BHC									
1	100	4.693	4.691	0.002	235116077	0.1881			
2	100	5.654	5.653	0.001	718065091	0.1903			
						RPD = 1.21			
11 delta-BHC									
1	100	4.906	4.905	0.001	628688615	0.2053			
2	100	6.207	6.204	0.003	2087692496	0.2214			
						RPD = 7.55			
22 Heptachlor									
1	100	5.188	5.187	0.001	497458208	0.1874			
2	100	6.304	6.303	0.001	1517604652	0.1907			
						RPD = 1.78			
4 Aldrin									
1	100	5.639	5.639	0.000	620289032	0.1945			
2	100	7.022	7.021	0.001	1811910760	0.2047			
						RPD = 5.14			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.868	6.868	0.000	478612387	0.1854			
2	100	8.508	8.506	0.002	1409684486	0.1933			
						RPD = 4.13			
21 gamma-Chlordane									
1	100	7.174	7.174	0.000	555416772	0.1976			
2	100	8.934	8.933	0.001	1519945472	0.2035			
						RPD = 2.93			
6 alpha-Chlordane									
1	100	7.524	7.526	-0.002	568033832	0.1949			
2	100	9.246	9.246	0.000	1524053700	0.2016			
						RPD = 3.37			
14 Endosulfan I									
1	100	7.803	7.803	0.000	445494948	0.1833			
2	100	9.307	9.307	0.000	1160872124	0.1874			
						RPD = 2.22			
2 4,4'-DDE									
1	100	7.904	7.906	-0.002	582369937	0.1951			
2	100	9.706	9.706	0.000	1535411103	0.2047			
						RPD = 4.81			
13 Dieldrin									
1	100	8.368	8.367	0.001	474180379	0.1898			
2	100	9.842	9.842	0.000	1338874831	0.1967			
						RPD = 3.53			
17 Endrin									
1	100	8.825	8.827	-0.002	423108430	0.1867			
2	100	10.363	10.363	0.000	1241583414	0.1962			
						RPD = 4.98			
1 4,4'-DDD									
1	100	9.189	9.188	0.001	368798575	0.2008			
2	100	10.733	10.735	-0.002	2221481176	0.2059			
						RPD = 2.50			
15 Endosulfan II									
1	100	9.277	9.276	0.001	430393451	0.1824			
2	100	10.733	10.735	-0.002	2221481176	0.2030			
						RPD = 10.72			
3 4,4'-DDT									
1	100	9.712	9.711	0.001	398854603	0.2000			
2	100	11.221	11.221	0.000	1050500547	0.2131			
						RPD = 6.37			
18 Endrin aldehyde									
1	100	10.072	10.071	0.001	328331785	0.1824			
2	100	11.307	11.309	-0.002	895699396	0.1893			
						RPD = 3.69			
27 Methoxychlor									
1	100	10.661	10.661	0.000	166416890	0.1779			
2	100	12.297	12.297	0.000	468220707	0.1881			
						RPD = 5.58			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.795	10.794	0.001	399881410	0.1842			
2	100	11.741	11.741	0.000	1152872286	0.2036			
						RPD = 9.98			
19 Endrin ketone									
1	100	11.193	11.194	-0.001	407988296	0.1818			
2	100	12.479	12.478	0.001	1130366463	0.1960			
						RPD = 7.50			
$ 10 DCB Decachlorobiphenyl									
1	100	12.805	12.803	0.002	460241659	0.1926			
2	100	14.256	14.256	0.000	1193888763	0.2081			
						RPD = 7.72			

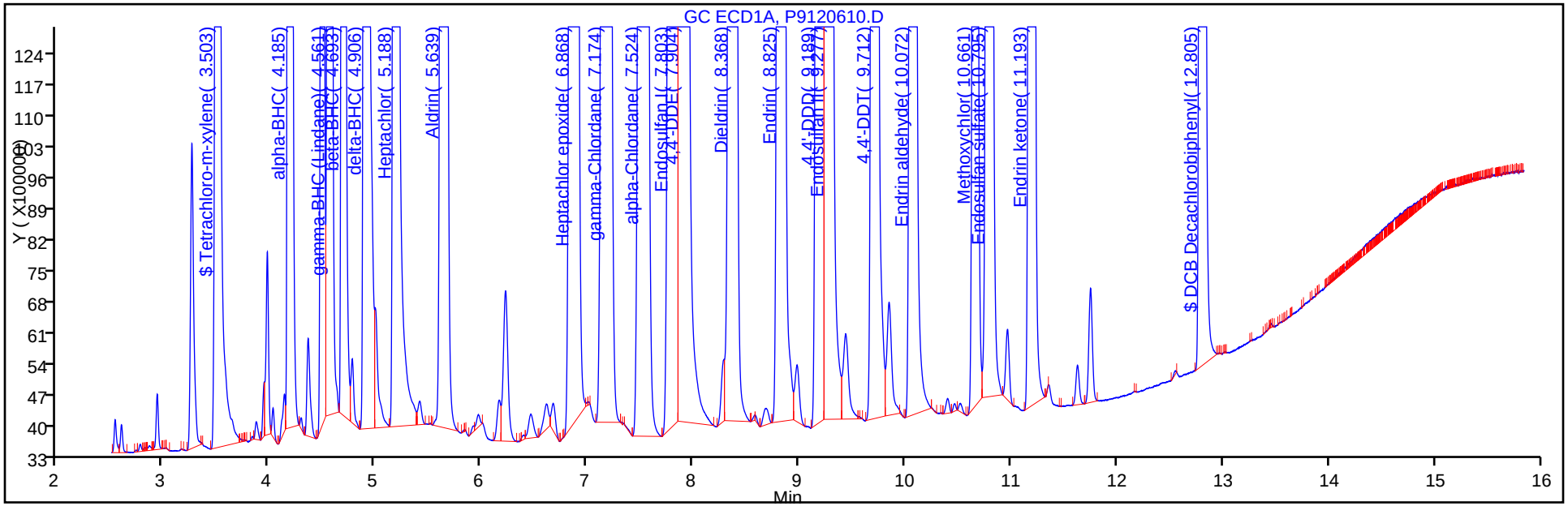
Report Date: 07-Dec-2012 10:25:27 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

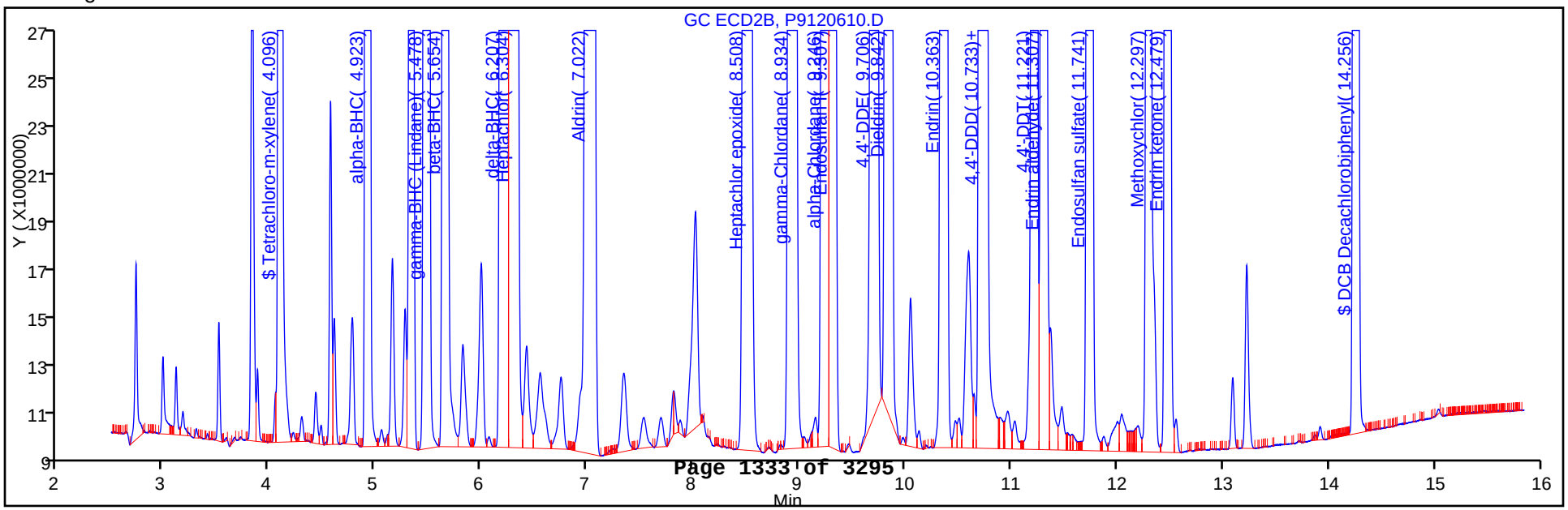
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120610.D

Injection Date:	06-Dec-2012 13:08:23	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	10
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 67554

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/06/2012 10:48 Calibration End Date: 12/06/2012 13:08 Calibration ID: 12707

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-67554/5	P9120605.D
Level 2	STD 240-67554/6	P9120606.D
Level 3	STD 240-67554/7	P9120607.D
Level 4	STD 240-67554/8	P9120608.D
Level 5	STD 240-67554/9	P9120609.D
Level 6	STD 240-67554/10	P9120610.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
alpha-BHC	4.920	4.920	4.921	4.920	4.921	4.923					4.891 - 4.951	4.921
gamma-BHC (Lindane)	5.476	5.476	5.477	5.476	5.477	5.478					5.447 - 5.507	5.477
beta-BHC	5.653	5.653	5.653	5.652	5.654	5.654					5.623 - 5.683	5.653
delta-BHC	6.204	6.203	6.204	6.203	6.204	6.207					6.174 - 6.234	6.204
Heptachlor	6.303	6.302	6.303	6.302	6.303	6.304					6.268 - 6.338	6.303
Aldrin	7.019	7.019	7.021	7.019	7.022	7.022					6.991 - 7.051	7.020
Heptachlor epoxide	8.506	8.506	8.506	8.506	8.507	8.508					8.476 - 8.536	8.507
gamma-Chlordane	8.934	8.931	8.933	8.933	8.933	8.934					8.903 - 8.963	8.933
alpha-Chlordane	9.245	9.245	9.246	9.245	9.247	9.246					9.216 - 9.276	9.246
Endosulfan I	9.306	9.305	9.307	9.307	9.307	9.307					9.277 - 9.337	9.307
4,4'-DDE	9.705	9.704	9.706	9.705	9.705	9.706					9.676 - 9.736	9.705
Dieldrin	9.841	9.841	9.842	9.841	9.842	9.842					9.812 - 9.872	9.842
Endrin	10.363	10.364	10.363	10.363	10.364	10.363					10.333 - 10.393	10.363
4,4'-DDD	10.734	10.734	10.735	10.733	10.733	10.733					10.705 - 10.765	10.734
Endosulfan II	10.734	10.734	10.735	10.733	10.733	10.733					10.705 - 10.765	10.734
4,4'-DDT	11.219	11.219	11.221	11.219	11.221	11.221					11.191 - 11.251	11.220
Endrin aldehyde	11.307	11.308	11.309	11.308	11.308	11.307					11.279 - 11.339	11.308
Endosulfan sulfate	11.740	11.741	11.741	11.741	11.742	11.741					11.711 - 11.771	11.741
Methoxychlor	12.297	12.299	12.297	12.298	12.298	12.297					12.267 - 12.327	12.298
Endrin ketone	12.477	12.478	12.478	12.478	12.479	12.479					12.448 - 12.508	12.478
Tetrachloro-m-xylene	4.094	4.094	4.094	4.093	4.094	4.096					4.064 - 4.124	4.094
DCB Decachlorobiphenyl	14.255	14.256	14.256	14.256	14.256	14.256					14.226 - 14.286	14.256

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 67554

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/06/2012 10:48 Calibration End Date: 12/06/2012 13:08 Calibration ID: 12707

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-67554/5	P9120605.D
Level 2	STD 240-67554/6	P9120606.D
Level 3	STD 240-67554/7	P9120607.D
Level 4	STD 240-67554/8	P9120608.D
Level 5	STD 240-67554/9	P9120609.D
Level 6	STD 240-67554/10	P9120610.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
alpha-BHC	1068578820 12039510820	8587434000 1243889001 0	10002446400	11043105340	Ave		1.07995 E+010				13.0		20.0			
gamma-BHC (Lindane)	9664980200 9723816500	7324427400 9571254400	8313544480	9246818860	Ave		8974140307				11.0		20.0			
beta-BHC	4552621600 3745480300	3407726900 3590325455	3616519280	3721893620	Ave		3772427859				11.0		20.0			
delta-BHC	9805310000 10305831180	7535532700 1043846248 0	8785022400	9695253380	Ave		9427568690				12.0		20.0			
Heptachlor	9522777600 8099439100	7090756900 7588023260	7457219960	7983829440	Ave		7957007710				11.0		20.0			
Aldrin	9807227000 9087877490	7906273600 9059553800	8466198120	8775066340	Ave		8850366058				7.3		20.0			
Heptachlor epoxide	8601981000 7382053850	6434585000 7048422430	6967404000	7329700940	Ave		7294024537				9.9		20.0			
gamma-Chlordane	8536575000 7665339470	6468314300 7599727360	7091885640	7452383660	Ave		7469037572				9.2		20.0			
alpha-Chlordane	8767565400 7617078870	6673613900 7620268500	7222183200	7462554320	Ave		7560544032				9.1		20.0			
Endosulfan I	7509767600 6166123630	5558692500 5804360620	5920102640	6203853440	Ave		6193816738				11.0		20.0			
4,4'-DDE	8518951600 7653915310	6596912000 7677055515	7189873880	7360940360	Ave		7499608111				8.5		20.0			
Dieldrin	7850140600 6993635560	5880720100 6694374155	6508240480	6918324340	Ave		6807572539				9.5		20.0			
Endrin	7259526600 6544667760	5460272300 6207917070	6036360080	6451100700	Ave		6326640752				9.4		20.0			
4,4'-DDD	1113468520 11531978120	9226257400 1110740588 0	10403818480	11335788980	Ave		1.079 E+010				7.9		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 67554

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/06/2012 10:48 Calibration End Date: 12/06/2012 13:08 Calibration ID: 12707

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Endosulfan II	1204269180 1153197812 0	9226257400 1110740588 0	1040381848 0	1133578898 0	Ave		1.09413 E+010				9.1		20.0			
4,4'-DDT	5212088200 5287822630	4089493900 5252502735	4641817880	5090532740	Ave		4929043014				9.6		20.0			
Endrin aldehyde	5522969000 4763121770	4236344700 4478496980	4590381200	4799170160	Ave		4731747302				9.3		20.0			
Endosulfan sulfate	6384565000 5871488690	4855932300 5764361430	5369195200	5731752980	Ave		5662882600				9.1		20.0			
Methoxychlor	2896262200 2465435860	2261629100 2341103535	2446219120	2521118620	Ave		2488628073				8.9		20.0			
Endrin ketone	6568304200 5955552440	5009339300 5651832315	5535111600	5889151480	Ave		5768215223				9.0		20.0			
Tetrachloro-m-xylene	8375989400 7784828720	7047509300 7992320140	7417766200	7749296820	Ave		7727951763				5.9		20.0			
DCB Decachlorobiphenyl	6466248600 5833357940	5028646000 5969443815	5495206400	5627363660	Ave		5736711069				8.4		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 67554

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/06/2012 10:48 Calibration End Date: 12/06/2012 13:08 Calibration ID: 12707

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-67554/5	P9120605.D
Level 2	STD 240-67554/6	P9120606.D
Level 3	STD 240-67554/7	P9120607.D
Level 4	STD 240-67554/8	P9120608.D
Level 5	STD 240-67554/9	P9120609.D
Level 6	STD 240-67554/10	P9120610.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
alpha-BHC	Ave	53428941 2487778002	85874340	250061160	552155267	1203951082	0.00500 0.200	0.0100	0.0250	0.0500	0.100
gamma-BHC (Lindane)	Ave	48324901 1914250880	73244274	207838612	462340943	972381650	0.00500 0.200	0.0100	0.0250	0.0500	0.100
beta-BHC	Ave	22763108 718065091	34077269	90412982	186094681	374548030	0.00500 0.200	0.0100	0.0250	0.0500	0.100
delta-BHC	Ave	49026550 2087692496	75355327	219625560	484762669	1030583118	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Heptachlor	Ave	47613888 1517604652	70907569	186430499	399191472	809943910	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Aldrin	Ave	49036135 1811910760	79062736	211654953	438753317	908787749	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Heptachlor epoxide	Ave	43009905 1409684486	64345850	174185100	366485047	738205385	0.00500 0.200	0.0100	0.0250	0.0500	0.100
gamma-Chlordane	Ave	42682875 1519945472	64683143	177297141	372619183	766533947	0.00500 0.200	0.0100	0.0250	0.0500	0.100
alpha-Chlordane	Ave	43837827 1524053700	66736139	180554580	373127716	761707887	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endosulfan I	Ave	37548838 1160872124	55586925	148002566	310192672	616612363	0.00500 0.200	0.0100	0.0250	0.0500	0.100
4,4'-DDE	Ave	42594758 1535411103	65969120	179746847	368047018	765391531	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Dieldrin	Ave	39250703 1338874831	58807201	162706012	345916217	699363556	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endrin	Ave	36297633 1241583414	54602723	150909002	322555035	654466776	0.00500 0.200	0.0100	0.0250	0.0500	0.100
4,4'-DDD	Ave	55673426 2221481176	92262574	260095462	566789449	1153197812	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endosulfan II	Ave	60213459 2221481176	92262574	260095462	566789449	1153197812	0.00500 0.200	0.0100	0.0250	0.0500	0.100
4,4'-DDT	Ave	26060441 1050500547	40894939	116045447	254526637	528782263	0.00500 0.200	0.0100	0.0250	0.0500	0.100

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 67554

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/06/2012 10:48 Calibration End Date: 12/06/2012 13:08 Calibration ID: 12707

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Endrin aldehyde	Ave	27614845 895699396	42363447	114759530	239958508	476312177	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endosulfan sulfate	Ave	31922825 1152872286	48559323	134229880	286587649	587148869	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Methoxychlor	Ave	14481311 468220707	22616291	61155478	126055931	246543586	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endrin ketone	Ave	32841521 1130366463	50093393	138377790	294457574	595555244	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Tetrachloro-m-xylene	Ave	41879947 1598464028	70475093	185444155	387464841	778482872	0.00500 0.200	0.0100	0.0250	0.0500	0.100
DCB Decachlorobiphenyl	Ave	32331243 1193888763	50286460	137380160	281368183	583335794	0.00500 0.200	0.0100	0.0250	0.0500	0.100

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120605.D
Lims ID: STD AB L1 Client ID:
Inject. Date: 06-Dec-2012 10:48:32 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0015581-005
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 67554 Lims Sample ID: 5
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\PEST9.m
Last Update: 07-Dec-2012 10:25:15 Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

First Level Reviewer: vandorenc Date: 07-Dec-2012 07:03:15

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.501	3.501	0.000	14660016	0.005656			
2	100	4.094	4.094	0.000	41879947	0.005419			
						RPD = 4.28			
5 alpha-BHC									
1	100	4.184	4.185	-0.001	17932777	0.005241			
2	100	4.920	4.921	-0.001	53428941	0.004947			
						RPD = 5.77			
20 gamma-BHC (Lindane)									
1	100	4.560	4.560	0.000	15957203	0.005476			
2	100	5.476	5.477	-0.001	48324901	0.005385			
						RPD = 1.69			
7 beta-BHC									
1	100	4.691	4.691	0.000	7384057	0.005906			
2	100	5.653	5.653	0.000	22763108	0.006034			
						RPD = 2.14			
11 delta-BHC									
1	100	4.905	4.905	0.000	15965507	0.005214			
2	100	6.204	6.204	0.000	49026550	0.005200			
						RPD = 0.27			
22 Heptachlor									
1	100	5.186	5.187	-0.001	15045101	0.005667			
2	100	6.303	6.303	0.000	47613888	0.005984			
						RPD = 5.45			
4 Aldrin									
1	100	5.639	5.639	0.000	17548700	0.005502			
2	100	7.019	7.021	-0.002	49036135	0.005541			
						RPD = 0.71			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.866	6.868	-0.002	15046226	0.005830			
2	100	8.506	8.506	0.000	43009905	0.005897			
						RPD = 1.14			
21 gamma-Chlordane									
1	100	7.173	7.174	-0.001	15647756	0.005568			
2	100	8.934	8.933	0.001	42682875	0.005715			
						RPD = 2.60			
6 alpha-Chlordane									
1	100	7.525	7.526	-0.001	16462324	0.005648			
2	100	9.245	9.246	-0.001	43837827	0.005798			
						RPD = 2.62			
14 Endosulfan I									
1	100	7.802	7.803	-0.001	14414880	0.005932			
2	100	9.306	9.307	-0.001	37548838	0.006062			
						RPD = 2.18			
2 4,4'-DDE									
1	100	7.905	7.906	-0.001	16404043	0.005496			
2	100	9.705	9.706	-0.001	42594758	0.005680			
						RPD = 3.28			
13 Dieldrin									
1	100	8.369	8.367	0.002	14137778	0.005660			
2	100	9.841	9.842	-0.001	39250703	0.005766			
						RPD = 1.84			
17 Endrin									
1	100	8.825	8.827	-0.002	13129498	0.005794			
2	100	10.363	10.363	0.000	36297633	0.005737			
						RPD = 0.98			
1 4,4'-DDD									
1	100	9.189	9.188	0.001	9980618	0.005434			
2	100	10.734	10.735	-0.001	55673426	0.005160			
						RPD = 5.18			
15 Endosulfan II									M
1	100	9.276	9.276	0.000	13988049	0.005927			
2	100	10.734	10.735	-0.001	60213459	0.005503			M
						RPD = 7.42			
3 4,4'-DDT									
1	100	9.710	9.711	-0.001	10700230	0.005365			
2	100	11.219	11.221	-0.002	26060441	0.005287			
						RPD = 1.46			
18 Endrin aldehyde									
1	100	10.070	10.071	-0.001	10511404	0.005841			
2	100	11.307	11.309	-0.002	27614845	0.005836			
						RPD = 0.08			
27 Methoxychlor									
1	100	10.660	10.661	-0.001	5526900	0.005909			
2	100	12.297	12.297	0.000	14481311	0.005819			
						RPD = 1.54			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.791	10.794	-0.003	12520729	0.005769			
2	100	11.740	11.741	-0.001	31922825	0.005637			
						RPD = 2.30			
19 Endrin ketone									
1	100	11.194	11.194	0.000	13194241	0.005879			
2	100	12.477	12.478	-0.001	32841521	0.005694			
						RPD = 3.21			
$ 10 DCB Decachlorobiphenyl									
1	100	12.805	12.803	0.002	13313611	0.005573			
2	100	14.255	14.256	-0.001	32331243	0.005636			
						RPD = 1.13			

QC Flag Legend

Review Flags
M - Manually Integrated

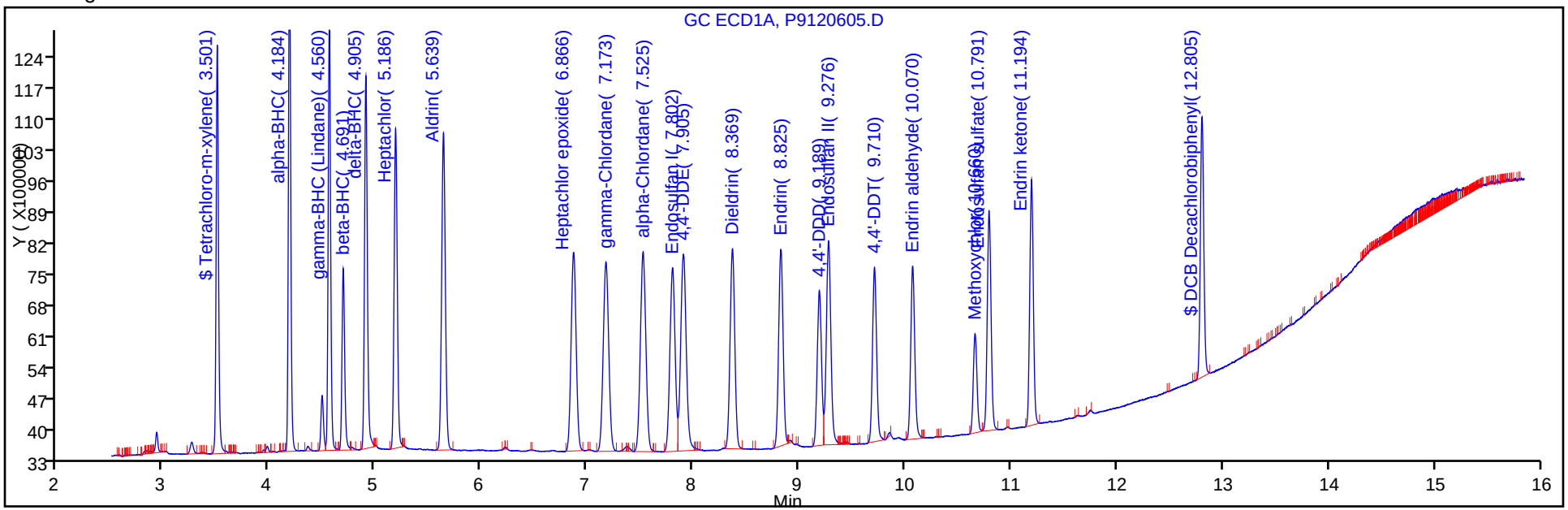
Report Date: 07-Dec-2012 10:25:16 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

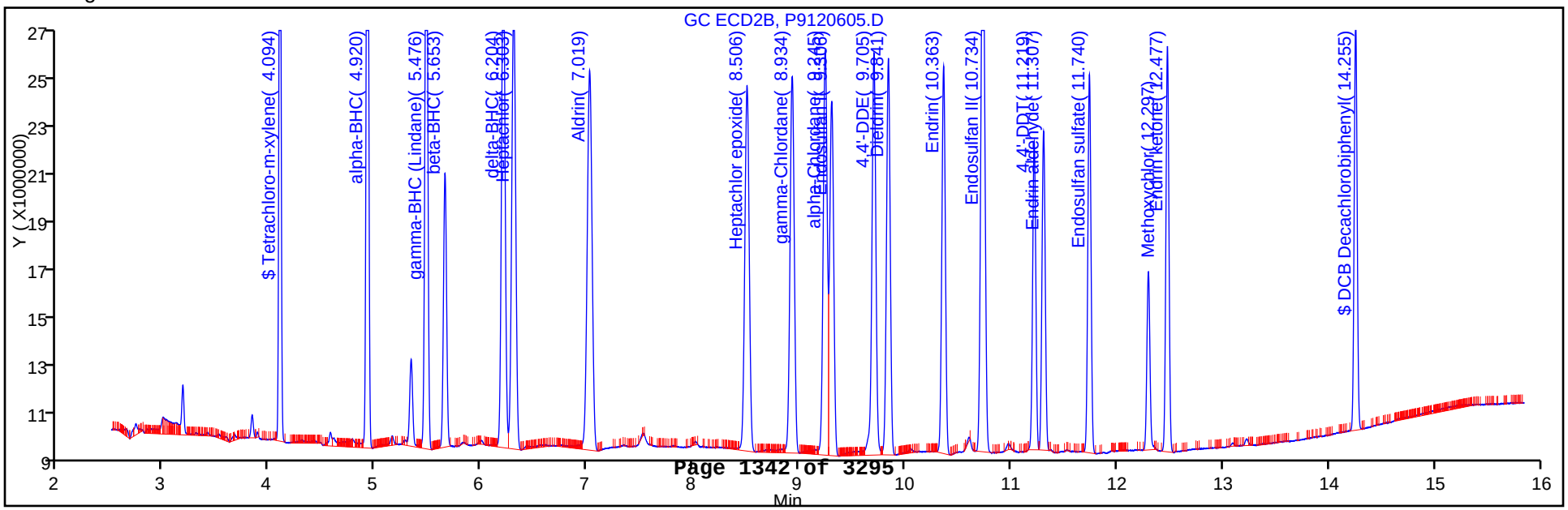
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120605.D

Injection Date:	06-Dec-2012 10:48:32	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	5
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

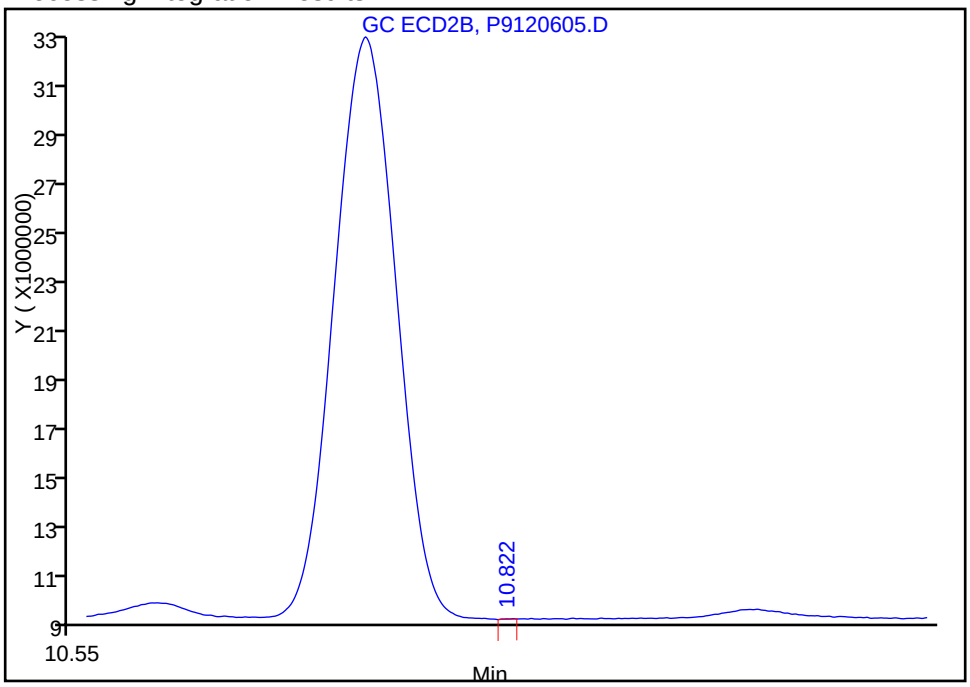
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120605.D		
Injection Date:	06-Dec-2012 10:48:32	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	5
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

15 Endosulfan II, Signal: 2, Type: quant, RT: 10.73, Det: GC ecd2b

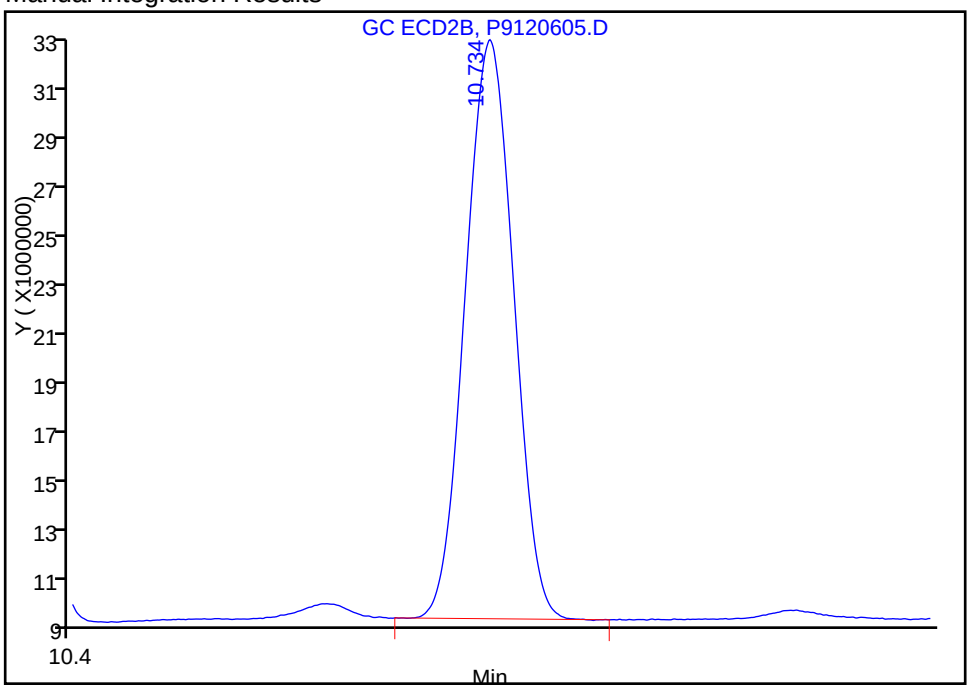
Processing Integration Results

RT: 10.82
Response: 9330
Amount: 0.005000



Manual Integration Results

RT: 10.73
Response: 60213459
Amount: 0.005503



Reviewer: vandorenc, 07-Dec-2012 07:08:58
Audit Action: Manually Integrated
Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120606.D
Lims ID: STD AB L2 Client ID:
Inject. Date: 06-Dec-2012 11:16:36 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0015581-006
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 6
Lims Batch ID: 67554 Lims Sample ID: 6
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\PEST9.m
Last Update: 07-Dec-2012 10:25:17 Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

First Level Reviewer: vandorenc Date: 07-Dec-2012 07:19:50

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.501	3.501	0.000	24613140	0.009496			
2	100	4.094	4.094	0.000	70475093	0.009120			
						RPD = 4.05			
5 alpha-BHC									
1	100	4.184	4.185	-0.001	29165782	0.008524			
2	100	4.920	4.921	-0.001	85874340	0.007952			
						RPD = 6.95			
20 gamma-BHC (Lindane)									
1	100	4.560	4.560	0.000	24502614	0.008409			
2	100	5.476	5.477	-0.001	73244274	0.008162			
						RPD = 2.99			
7 beta-BHC									
1	100	4.691	4.691	0.000	11183017	0.008945			
2	100	5.653	5.653	0.000	34077269	0.009033			
						RPD = 0.98			
11 delta-BHC									
1	100	4.905	4.905	0.000	25366069	0.008285			
2	100	6.203	6.204	-0.001	75355327	0.007993			
						RPD = 3.58			
22 Heptachlor									
1	100	5.186	5.187	-0.001	23308038	0.008779			
2	100	6.302	6.303	-0.001	70907569	0.008911			
						RPD = 1.50			
4 Aldrin									
1	100	5.639	5.639	0.000	28594582	0.008964			
2	100	7.019	7.021	-0.002	79062736	0.008933			
						RPD = 0.35			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.867	6.868	-0.001	22787204	0.008829			
2	100	8.506	8.506	0.000	64345850	0.008822			
						RPD = 0.08			
21 gamma-Chlordane									
1	100	7.173	7.174	-0.001	24089944	0.008572			
2	100	8.931	8.933	-0.002	64683143	0.008660			
						RPD = 1.02			
6 alpha-Chlordane									
1	100	7.525	7.526	-0.001	25620033	0.008790			
2	100	9.245	9.246	-0.001	66736139	0.008827			
						RPD = 0.42			
14 Endosulfan I									
1	100	7.802	7.803	-0.001	21691780	0.008926			
2	100	9.305	9.307	-0.002	55586925	0.008975			
						RPD = 0.54			
2 4,4'-DDE									
1	100	7.904	7.906	-0.002	26903528	0.009014			
2	100	9.704	9.706	-0.002	65969120	0.008796			
						RPD = 2.44			
13 Dieldrin									
1	100	8.367	8.367	0.000	21739995	0.008704			
2	100	9.841	9.842	-0.001	58807201	0.008638			
						RPD = 0.76			
17 Endrin									
1	100	8.825	8.827	-0.002	20343520	0.008977			
2	100	10.364	10.363	0.001	54602723	0.008631			
						RPD = 3.94			
1 4,4'-DDD									
1	100	9.188	9.188	0.000	15497061	0.008438			
2	100	10.734	10.735	-0.001	92262574	0.008551			
						RPD = 1.33			
15 Endosulfan II									
1	100	9.276	9.276	0.000	21064138	0.008926			
2	100	10.734	10.735	-0.001	92262574	0.008432			
						RPD = 5.68			
3 4,4'-DDT									
1	100	9.709	9.711	-0.002	16848678	0.008447			
2	100	11.219	11.221	-0.002	40894939	0.008297			
						RPD = 1.80			
18 Endrin aldehyde									
1	100	10.071	10.071	0.000	16055576	0.008921			
2	100	11.308	11.309	-0.001	42363447	0.008953			
						RPD = 0.36			
27 Methoxychlor									
1	100	10.659	10.661	-0.002	8455119	0.009040			
2	100	12.299	12.297	0.002	22616291	0.009088			
						RPD = 0.53			

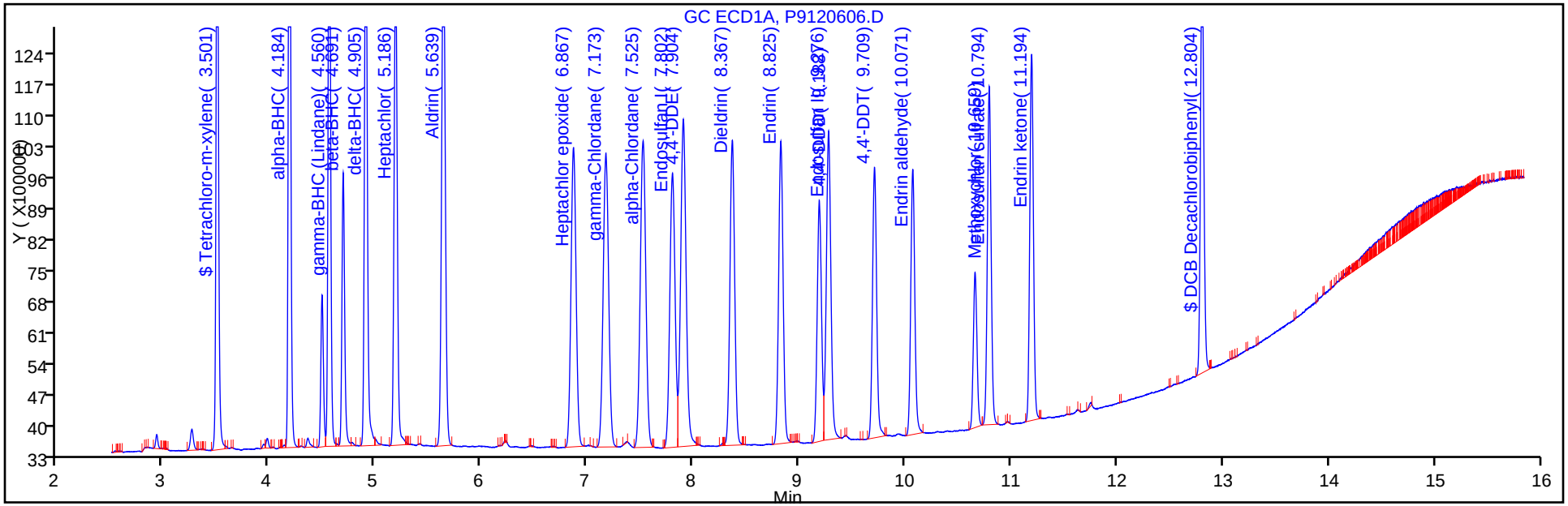
Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.794	10.794	0.000	19121564	0.008810			
2	100	11.741	11.741	0.000	48559323	0.008575			
						RPD = 2.70			
19 Endrin ketone									
1	100	11.194	11.194	0.000	20038478	0.008929			
2	100	12.478	12.478	0.000	50093393	0.008684			
						RPD = 2.78			
$ 10 DCB Decachlorobiphenyl									
1	100	12.804	12.803	0.001	21299423	0.008915			
2	100	14.256	14.256	0.000	50286460	0.008766			
						RPD = 1.69			

Report Date: 07-Dec-2012 10:25:18 Chrom Revision: 2.0 27-Nov-2012 13:14:12

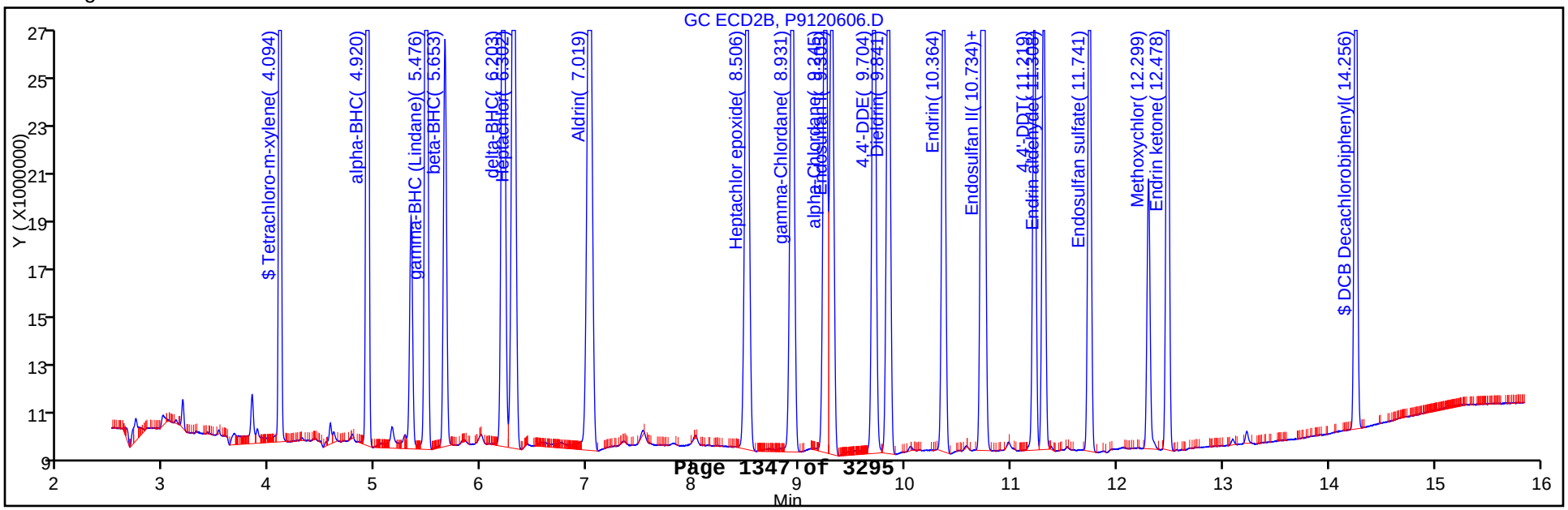
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120606.D		
Injection Date:	06-Dec-2012 11:16:36	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	6
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120607.D
Lims ID: STD AB L3 Client ID:
Inject. Date: 06-Dec-2012 11:44:51 Dil. Factor: 1.0000
Sample Type: ICRT Calib Level: 3
Sample ID: 240-0015581-007
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 7
Lims Batch ID: 67554 Lims Sample ID: 7
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\PEST9.m
Last Update: 07-Dec-2012 10:25:19 Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

First Level Reviewer: vandorenc Date: 07-Dec-2012 07:26:04

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.501	3.501	0.000	63932676	0.0247			
2	100	4.094	4.094	0.000	185444155	0.0240			
						RPD = 2.75			
5 alpha-BHC									
1	100	4.185	4.185	0.000	84130711	0.0246			
2	100	4.921	4.921	0.000	250061160	0.0232			
						RPD = 6.01			
20 gamma-BHC (Lindane)									
1	100	4.560	4.560	0.000	70861589	0.0243			
2	100	5.477	5.477	0.000	207838612	0.0232			
						RPD = 4.89			
7 beta-BHC									
1	100	4.691	4.691	0.000	30335429	0.0243			
2	100	5.653	5.653	0.000	90412982	0.0240			
						RPD = 1.23			
11 delta-BHC									
1	100	4.905	4.905	0.000	75746911	0.0247			
2	100	6.204	6.204	0.000	219625560	0.0233			
						RPD = 6.01			
22 Heptachlor									
1	100	5.187	5.187	0.000	64477984	0.0243			
2	100	6.303	6.303	0.000	186430499	0.0234			
						RPD = 3.59			
4 Aldrin									
1	100	5.639	5.639	0.000	79346718	0.0249			
2	100	7.021	7.021	0.000	211654953	0.0239			
						RPD = 3.94			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.868	6.868	0.000	63591053	0.0246			
2	100	8.506	8.506	0.000	174185100	0.0239			
						RPD = 3.12			
21 gamma-Chlordane									
1	100	7.174	7.174	0.000	68459336	0.0244			
2	100	8.933	8.933	0.000	177297141	0.0237			
						RPD = 2.59			
6 alpha-Chlordane									
1	100	7.526	7.526	0.000	71440427	0.0245			
2	100	9.246	9.246	0.000	180554580	0.0239			
						RPD = 2.60			
14 Endosulfan I									
1	100	7.803	7.803	0.000	59652874	0.0245			
2	100	9.307	9.307	0.000	148002566	0.0239			
						RPD = 2.69			
2 4,4'-DDE									
1	100	7.906	7.906	0.000	73603854	0.0247			
2	100	9.706	9.706	0.000	179746847	0.0240			
						RPD = 2.85			
13 Dieldrin									
1	100	8.367	8.367	0.000	61995207	0.0248			
2	100	9.842	9.842	0.000	162706012	0.0239			
						RPD = 3.78			
17 Endrin									
1	100	8.827	8.827	0.000	54130681	0.0239			
2	100	10.363	10.363	0.000	150909002	0.0239			
						RPD = 0.14			
1 4,4'-DDD									
1	100	9.188	9.188	0.000	44778806	0.0244			
2	100	10.735	10.735	0.000	260095462	0.0241			
						RPD = 1.14			
15 Endosulfan II									
1	100	9.276	9.276	0.000	59048092	0.0250			
2	100	10.735	10.735	0.000	260095462	0.0238			
						RPD = 5.12			
3 4,4'-DDT									
1	100	9.711	9.711	0.000	48537766	0.0243			
2	100	11.221	11.221	0.000	116045447	0.0235			
						RPD = 3.31			
18 Endrin aldehyde									
1	100	10.071	10.071	0.000	44486485	0.0247			
2	100	11.309	11.309	0.000	114759530	0.0243			
						RPD = 1.90			
27 Methoxychlor									
1	100	10.661	10.661	0.000	23626549	0.0253			
2	100	12.297	12.297	0.000	61155478	0.0246			
						RPD = 2.76			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.794	10.794	0.000	54190109	0.0250			
2	100	11.741	11.741	0.000	134229880	0.0237			
						RPD = 5.19			
19 Endrin ketone									
1	100	11.194	11.194	0.000	55602516	0.0248			
2	100	12.478	12.478	0.000	138377790	0.0240			
						RPD = 3.23			
$ 10 DCB Decachlorobiphenyl									
1	100	12.803	12.803	0.000	60286789	0.0252			
2	100	14.256	14.256	0.000	137380160	0.0239			
						RPD = 5.23			

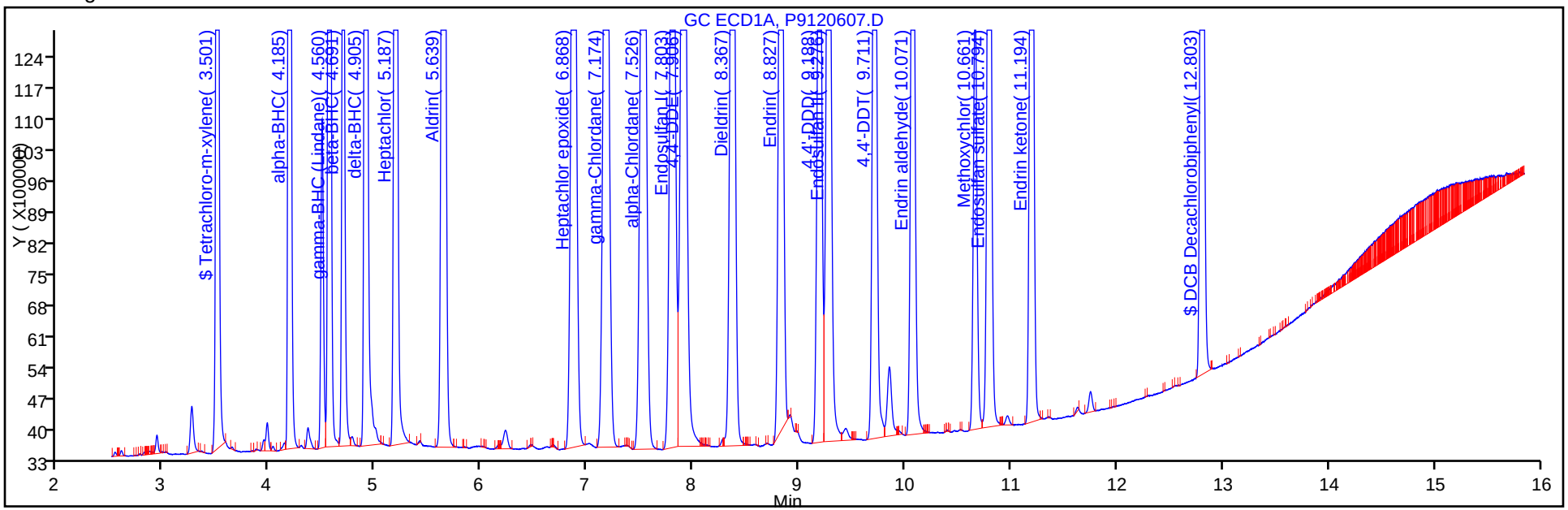
Report Date: 07-Dec-2012 10:25:21 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

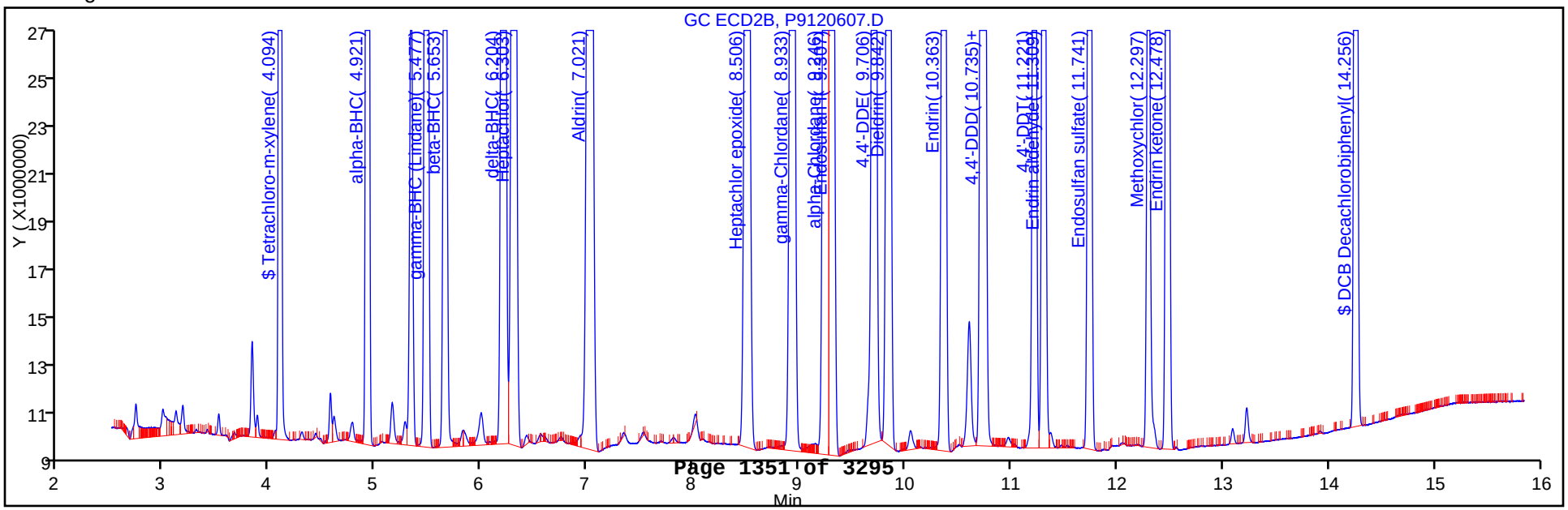
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120607.D

Injection Date:	06-Dec-2012 11:44:51	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	7
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120608.D
Lims ID: STD AB L4 Client ID:
Inject. Date: 06-Dec-2012 12:12:38 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0015581-008
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 8
Lims Batch ID: 67554 Lims Sample ID: 8
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\PEST9.m
Last Update: 07-Dec-2012 10:25:22 Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

First Level Reviewer: vandorenc Date: 07-Dec-2012 07:26:52

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.502	3.501	0.001	131802756	0.0509			
2	100	4.093	4.094	-0.001	387464841	0.0501			
						RPD = 1.41			
5 alpha-BHC									
1	100	4.184	4.185	-0.001	177851517	0.0520			
2	100	4.920	4.921	-0.001	552155267	0.0511			
						RPD = 1.66			
20 gamma-BHC (Lindane)									
1	100	4.561	4.560	0.001	152657329	0.0524			
2	100	5.476	5.477	-0.001	462340943	0.0515			
						RPD = 1.68			
7 beta-BHC									
1	100	4.692	4.691	0.001	63075721	0.0505			
2	100	5.652	5.653	-0.001	186094681	0.0493			
						RPD = 2.25			
11 delta-BHC									
1	100	4.905	4.905	0.000	162006748	0.0529			
2	100	6.203	6.204	-0.001	484762669	0.0514			
						RPD = 2.86			
22 Heptachlor									
1	100	5.188	5.187	0.001	138955262	0.0523			
2	100	6.302	6.303	-0.001	399191472	0.0502			
						RPD = 4.23			
4 Aldrin									
1	100	5.638	5.639	-0.001	162793986	0.0510			
2	100	7.019	7.021	-0.002	438753317	0.0496			
						RPD = 2.91			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.867	6.868	-0.001	132925527	0.0515			
2	100	8.506	8.506	0.000	366485047	0.0502			
						RPD = 2.47			
21 gamma-Chlordane									M
1	100	7.173	7.174	-0.001	144974129	0.0516			
2	100	8.933	8.933	0.000	372619183	0.0499			M
						RPD = 3.35			
6 alpha-Chlordane									
1	100	7.525	7.526	-0.001	148322118	0.0509			
2	100	9.245	9.246	-0.001	373127716	0.0494			
						RPD = 3.07			
14 Endosulfan I									
1	100	7.801	7.803	-0.002	124814651	0.0514			
2	100	9.307	9.307	0.000	310192672	0.0501			
						RPD = 2.52			
2 4,4'-DDE									
1	100	7.907	7.906	0.001	152200633	0.0510			
2	100	9.705	9.706	-0.001	368047018	0.0491			
						RPD = 3.84			
13 Dieldrin									
1	100	8.368	8.367	0.001	129848031	0.0520			
2	100	9.841	9.842	-0.001	345916217	0.0508			
						RPD = 2.28			
17 Endrin									
1	100	8.826	8.827	-0.001	117753602	0.0520			
2	100	10.363	10.363	0.000	322555035	0.0510			
						RPD = 1.90			
1 4,4'-DDD									
1	100	9.190	9.188	0.002	96219526	0.0524			
2	100	10.733	10.735	-0.002	566789449	0.0525			
						RPD = 0.26			
15 Endosulfan II									
1	100	9.278	9.276	0.002	122208688	0.0518			
2	100	10.733	10.735	-0.002	566789449	0.0518			
						RPD = 0.04			
3 4,4'-DDT									
1	100	9.710	9.711	-0.001	103796522	0.0520			
2	100	11.219	11.221	-0.002	254526637	0.0516			
						RPD = 0.78			
18 Endrin aldehyde									
1	100	10.070	10.071	-0.001	93048531	0.0517			
2	100	11.308	11.309	-0.001	239958508	0.0507			
						RPD = 1.93			
27 Methoxychlor									
1	100	10.661	10.661	0.000	47810155	0.0511			
2	100	12.298	12.297	0.001	126055931	0.0507			
						RPD = 0.91			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.794	10.794	0.000	112794367	0.0520			
2	100	11.741	11.741	0.000	286587649	0.0506			
						RPD = 2.65			
19 Endrin ketone									
1	100	11.193	11.194	-0.001	115942992	0.0517			
2	100	12.478	12.478	0.000	294457574	0.0510			
						RPD = 1.20			
$ 10 DCB Decachlorobiphenyl									
1	100	12.806	12.803	0.003	121142231	0.0507			
2	100	14.256	14.256	0.000	281368183	0.0490			
						RPD = 3.32			

QC Flag Legend

Review Flags
M - Manually Integrated

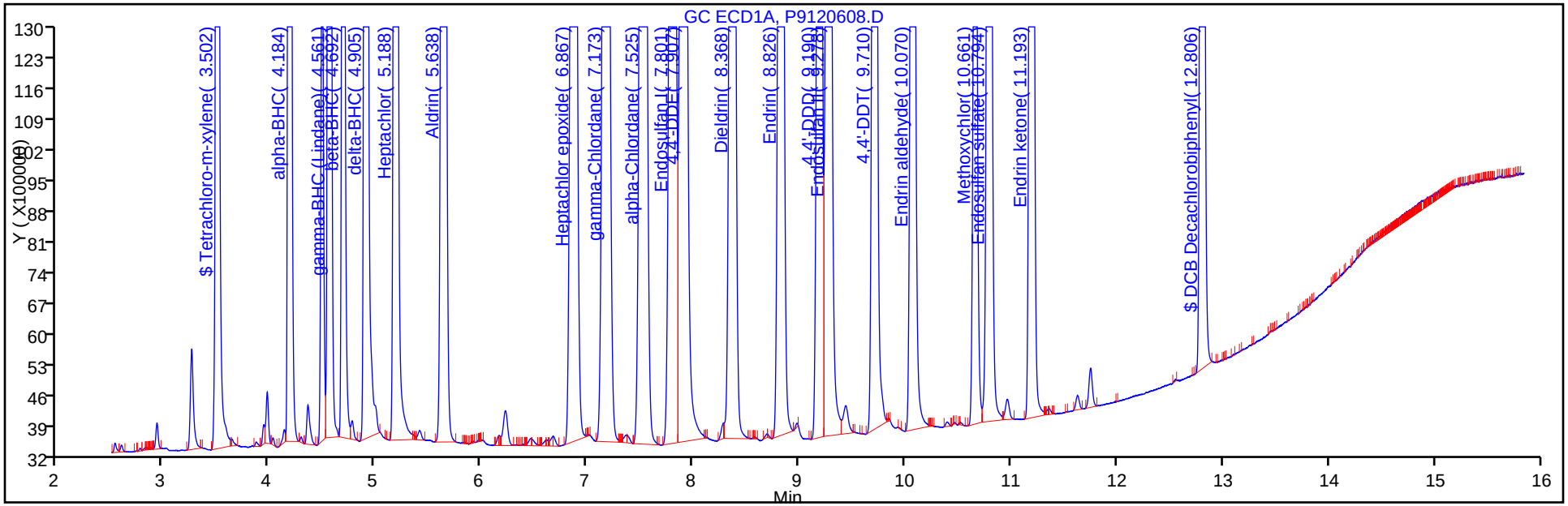
Report Date: 07-Dec-2012 10:25:23 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

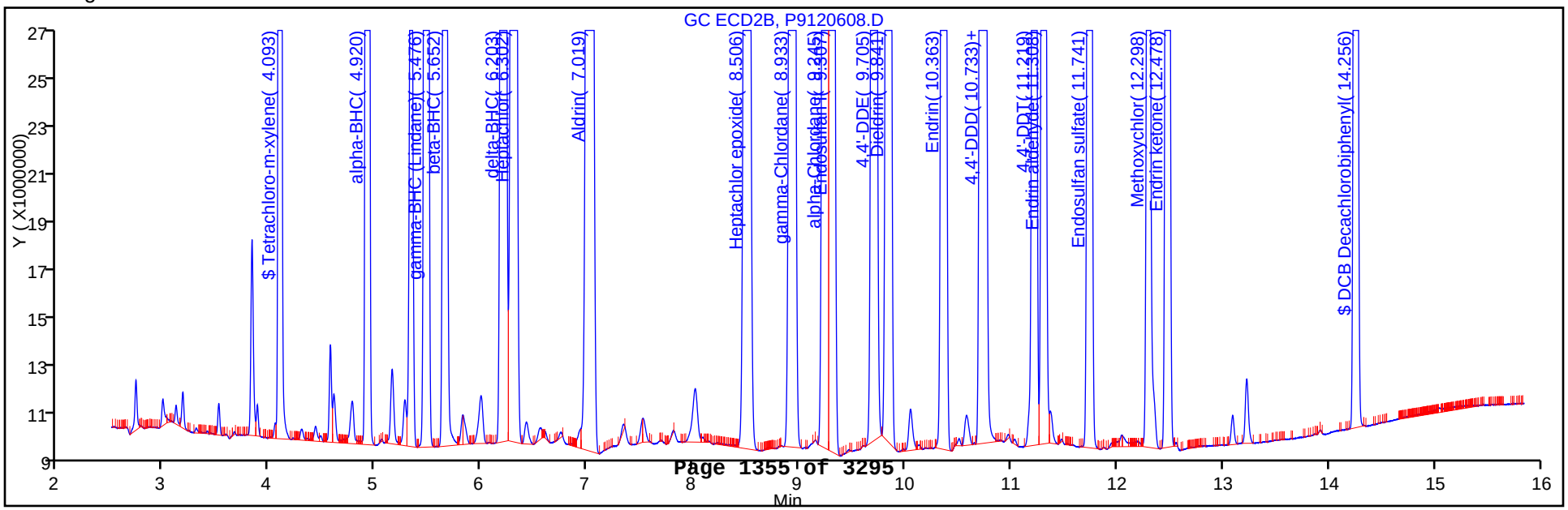
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120608.D

Injection Date:	06-Dec-2012 12:12:38	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	8
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

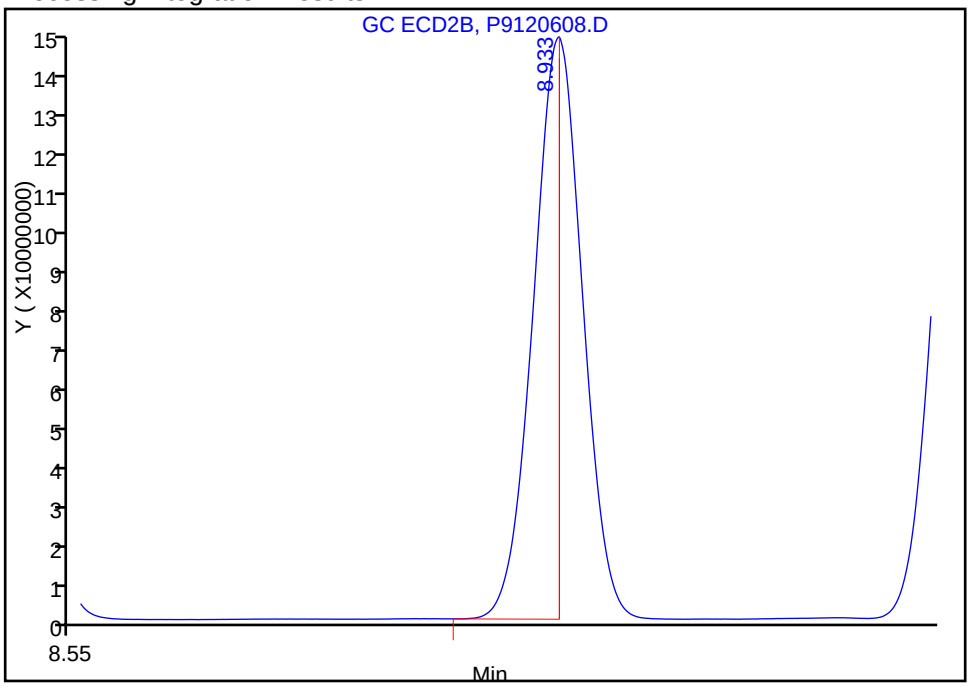
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120608.D		
Injection Date:	06-Dec-2012 12:12:38	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	8
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

21 gamma-Chlordane, Signal: 2, Type: quant, RT: 8.93, Det: GC ecd2b

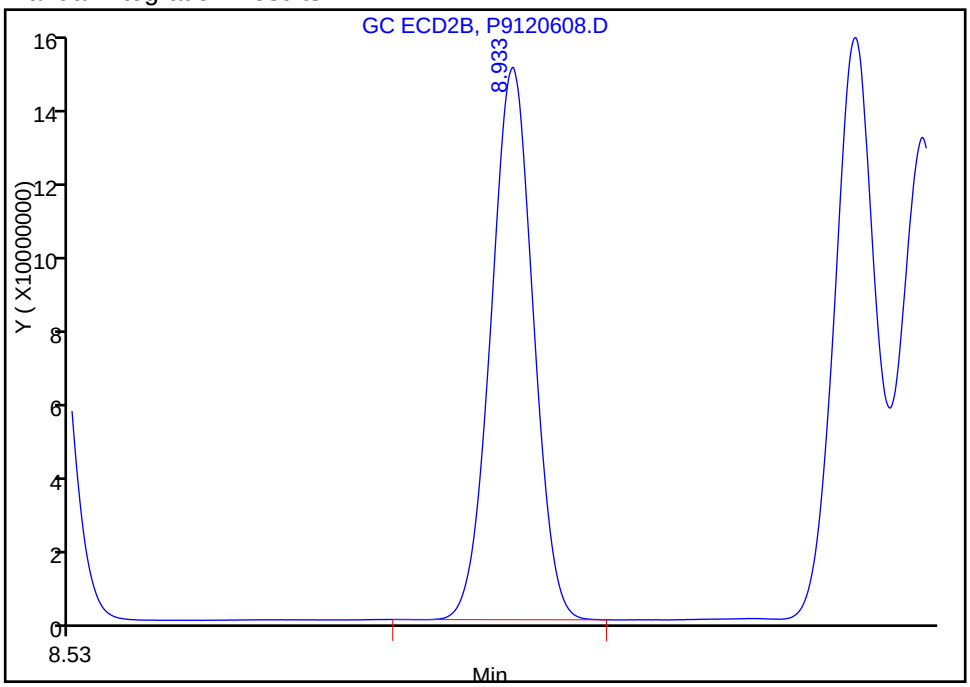
Processing Integration Results

RT: 8.93
Response: 193411327
Amount: 0.029796



Manual Integration Results

RT: 8.93
Response: 372619183
Amount: 0.049889



Reviewer: vandorenc, 07-Dec-2012 07:26:52
Audit Action: Manually Integrated
Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120609.D		
Lims ID:	STD AB L5	Client ID:	
Inject. Date:	06-Dec-2012 12:40:38	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	240-0015581-009		
Misc. Info.:			
Operator:	093905	Instrument ID:	A2HP9
Injection Vol:	1.0 ul	ALS Bottle#:	9
Lims Batch ID:	67554	Lims Sample ID:	9
Sublist:	chrom-PEST9*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP9\20121206-15581.b\PEST9.m		
Last Update:	07-Dec-2012 10:25:24	Calib Date:	06-Dec-2012 18:34:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		
First Level Reviewer: vandorenc		Date:	07-Dec-2012 07:27:22

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.502	3.501	0.001	252469371	0.0974			
2	100	4.094	4.094	0.000	778482872	0.1007			
						RPD = 3.36			
5 alpha-BHC									
1	100	4.184	4.185	-0.001	363761372	0.1063			
2	100	4.921	4.921	0.000	1203951082	0.1115			
						RPD = 4.74			
20 gamma-BHC (Lindane)									
1	100	4.560	4.560	0.000	307724468	0.1056			
2	100	5.477	5.477	0.000	972381650	0.1084			
						RPD = 2.56			
7 beta-BHC									
1	100	4.692	4.691	0.001	125572040	0.1004			
2	100	5.654	5.653	0.001	374548030	0.0993			
						RPD = 1.16			
11 delta-BHC									
1	100	4.906	4.905	0.001	322735244	0.1054			
2	100	6.204	6.204	0.000	1030583118	0.1093			
						RPD = 3.64			
22 Heptachlor									
1	100	5.187	5.187	0.000	274470120	0.1034			
2	100	6.303	6.303	0.000	809943910	0.1018			
						RPD = 1.55			
4 Aldrin									
1	100	5.638	5.639	-0.001	323822078	0.1015			
2	100	7.022	7.021	0.001	908787749	0.1027			
						RPD = 1.14			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.868	6.868	0.000	260252929	0.1008			
2	100	8.507	8.506	0.001	738205385	0.1012			
						RPD = 0.37			
21 gamma-Chlordane									
1	100	7.172	7.174	-0.002	290862719	0.1035			
2	100	8.933	8.933	0.000	766533947	0.1026			
						RPD = 0.84			
6 alpha-Chlordane									
1	100	7.524	7.526	-0.002	296877313	0.1019			
2	100	9.247	9.246	0.001	761707887	0.1007			
						RPD = 1.10			
14 Endosulfan I									
1	100	7.803	7.803	0.000	241906743	0.0995			
2	100	9.307	9.307	0.000	616612363	0.0996			
						RPD = 0.01			
2 4,4'-DDE									
1	100	7.905	7.906	-0.001	303667144	0.1017			
2	100	9.705	9.706	-0.001	765391531	0.1021			
						RPD = 0.31			
13 Dieldrin									
1	100	8.368	8.367	0.001	253687553	0.1016			
2	100	9.842	9.842	0.000	699363556	0.1027			
						RPD = 1.14			
17 Endrin									
1	100	8.827	8.827	0.000	230054439	0.1015			
2	100	10.364	10.363	0.001	654466776	0.1034			
						RPD = 1.88			
1 4,4'-DDD									
1	100	9.190	9.188	0.002	191419201	0.1042			
2	100	10.733	10.735	-0.002	1153197812	0.1069			
						RPD = 2.51			
15 Endosulfan II									
1	100	9.277	9.276	0.001	229772862	0.0974			
2	100	10.733	10.735	-0.002	1153197812	0.1054			
						RPD = 7.93			
3 4,4'-DDT									
1	100	9.711	9.711	0.000	213059684	0.1068			
2	100	11.221	11.221	0.000	528782263	0.1073			
						RPD = 0.43			
18 Endrin aldehyde									
1	100	10.070	10.071	-0.001	180838964	0.1005			
2	100	11.308	11.309	-0.001	476312177	0.1007			
						RPD = 0.18			
27 Methoxychlor									
1	100	10.661	10.661	0.000	92759875	0.0992			
2	100	12.298	12.297	0.001	246543586	0.0991			
						RPD = 0.11			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.795	10.794	0.001	218386146	0.1006			
2	100	11.742	11.741	0.001	587148869	0.1037			
						RPD = 3.00			
19 Endrin ketone									
1	100	11.195	11.194	0.001	223931316	0.0998			
2	100	12.479	12.478	0.001	595555244	0.1032			
						RPD = 3.41			
$ 10 DCB Decachlorobiphenyl									
1	100	12.804	12.803	0.001	240678545	0.1007			
2	100	14.256	14.256	0.000	583335794	0.1017			
						RPD = 0.94			

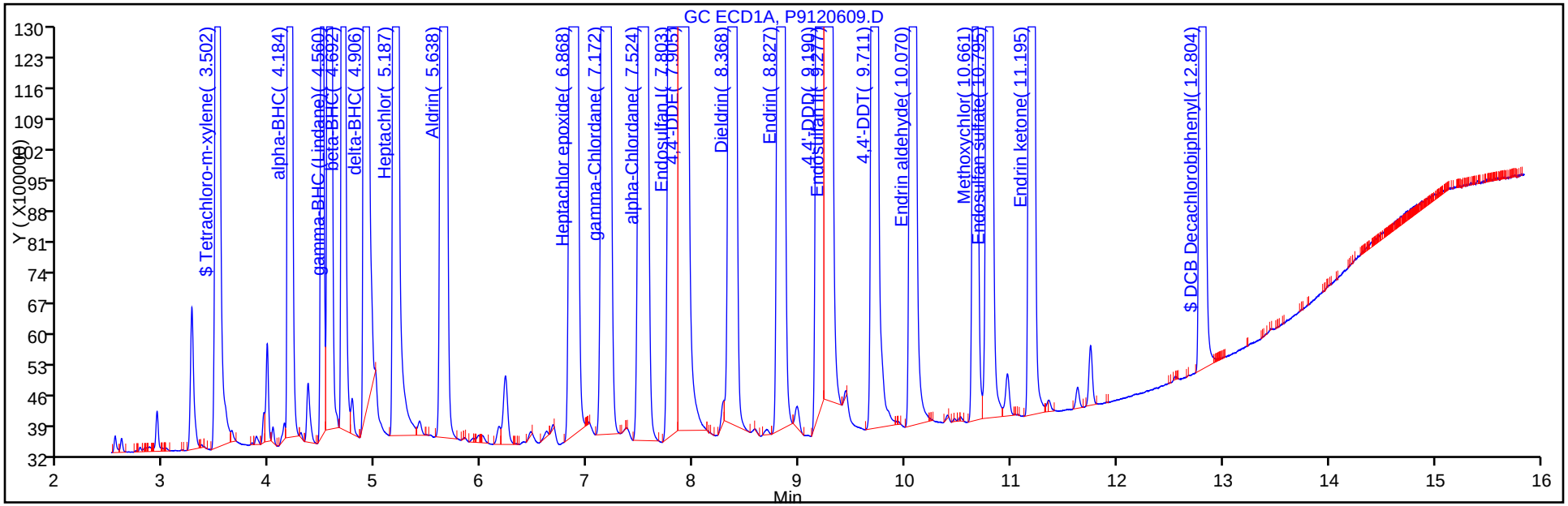
Report Date: 07-Dec-2012 10:25:25 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

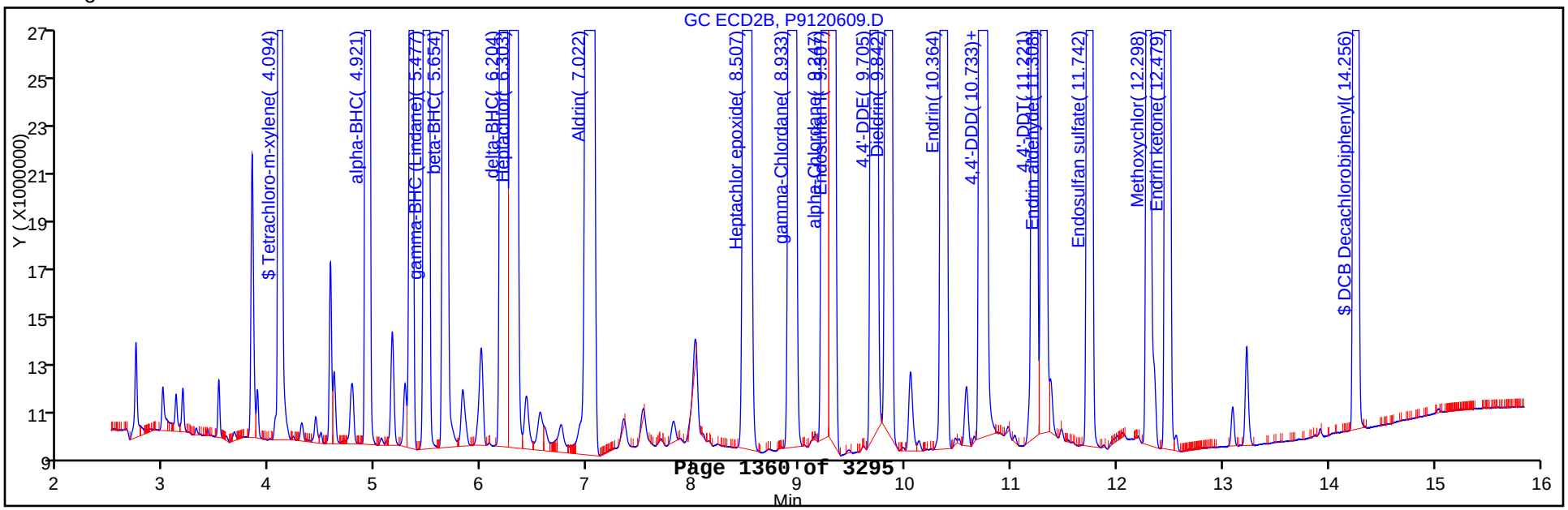
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120609.D

Injection Date:	06-Dec-2012 12:40:38	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	9
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120610.D
Lims ID: STD AB L6 Client ID:
Inject. Date: 06-Dec-2012 13:08:23 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 240-0015581-010
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 10
Lims Batch ID: 67554 Lims Sample ID: 10
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\PEST9.m
Last Update: 07-Dec-2012 10:25:26 Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

First Level Reviewer: vandorenc Date: 07-Dec-2012 07:27:52

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.503	3.501	0.002	487978020	0.1883			
2	100	4.096	4.094	0.002	1598464028	0.2068			
						RPD = 9.40			
5 alpha-BHC									
1	100	4.185	4.185	0.000	693119959	0.2026			
2	100	4.923	4.921	0.002	2487778002	0.2304			
						RPD = 12.83			
20 gamma-BHC (Lindane)									
1	100	4.561	4.560	0.001	575212619	0.1974			
2	100	5.478	5.477	0.001	1914250880	0.2133			
						RPD = 7.74			
7 beta-BHC									
1	100	4.693	4.691	0.002	235116077	0.1881			
2	100	5.654	5.653	0.001	718065091	0.1903			
						RPD = 1.21			
11 delta-BHC									
1	100	4.906	4.905	0.001	628688615	0.2053			
2	100	6.207	6.204	0.003	2087692496	0.2214			
						RPD = 7.55			
22 Heptachlor									
1	100	5.188	5.187	0.001	497458208	0.1874			
2	100	6.304	6.303	0.001	1517604652	0.1907			
						RPD = 1.78			
4 Aldrin									
1	100	5.639	5.639	0.000	620289032	0.1945			
2	100	7.022	7.021	0.001	1811910760	0.2047			
						RPD = 5.14			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.868	6.868	0.000	478612387	0.1854			
2	100	8.508	8.506	0.002	1409684486	0.1933			
						RPD = 4.13			
21 gamma-Chlordane									
1	100	7.174	7.174	0.000	555416772	0.1976			
2	100	8.934	8.933	0.001	1519945472	0.2035			
						RPD = 2.93			
6 alpha-Chlordane									
1	100	7.524	7.526	-0.002	568033832	0.1949			
2	100	9.246	9.246	0.000	1524053700	0.2016			
						RPD = 3.37			
14 Endosulfan I									
1	100	7.803	7.803	0.000	445494948	0.1833			
2	100	9.307	9.307	0.000	1160872124	0.1874			
						RPD = 2.22			
2 4,4'-DDE									
1	100	7.904	7.906	-0.002	582369937	0.1951			
2	100	9.706	9.706	0.000	1535411103	0.2047			
						RPD = 4.81			
13 Dieldrin									
1	100	8.368	8.367	0.001	474180379	0.1898			
2	100	9.842	9.842	0.000	1338874831	0.1967			
						RPD = 3.53			
17 Endrin									
1	100	8.825	8.827	-0.002	423108430	0.1867			
2	100	10.363	10.363	0.000	1241583414	0.1962			
						RPD = 4.98			
1 4,4'-DDD									
1	100	9.189	9.188	0.001	368798575	0.2008			
2	100	10.733	10.735	-0.002	2221481176	0.2059			
						RPD = 2.50			
15 Endosulfan II									
1	100	9.277	9.276	0.001	430393451	0.1824			
2	100	10.733	10.735	-0.002	2221481176	0.2030			
						RPD = 10.72			
3 4,4'-DDT									
1	100	9.712	9.711	0.001	398854603	0.2000			
2	100	11.221	11.221	0.000	1050500547	0.2131			
						RPD = 6.37			
18 Endrin aldehyde									
1	100	10.072	10.071	0.001	328331785	0.1824			
2	100	11.307	11.309	-0.002	895699396	0.1893			
						RPD = 3.69			
27 Methoxychlor									
1	100	10.661	10.661	0.000	166416890	0.1779			
2	100	12.297	12.297	0.000	468220707	0.1881			
						RPD = 5.58			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.795	10.794	0.001	399881410	0.1842			
2	100	11.741	11.741	0.000	1152872286	0.2036			
						RPD = 9.98			
19 Endrin ketone									
1	100	11.193	11.194	-0.001	407988296	0.1818			
2	100	12.479	12.478	0.001	1130366463	0.1960			
						RPD = 7.50			
$ 10 DCB Decachlorobiphenyl									
1	100	12.805	12.803	0.002	460241659	0.1926			
2	100	14.256	14.256	0.000	1193888763	0.2081			
						RPD = 7.72			

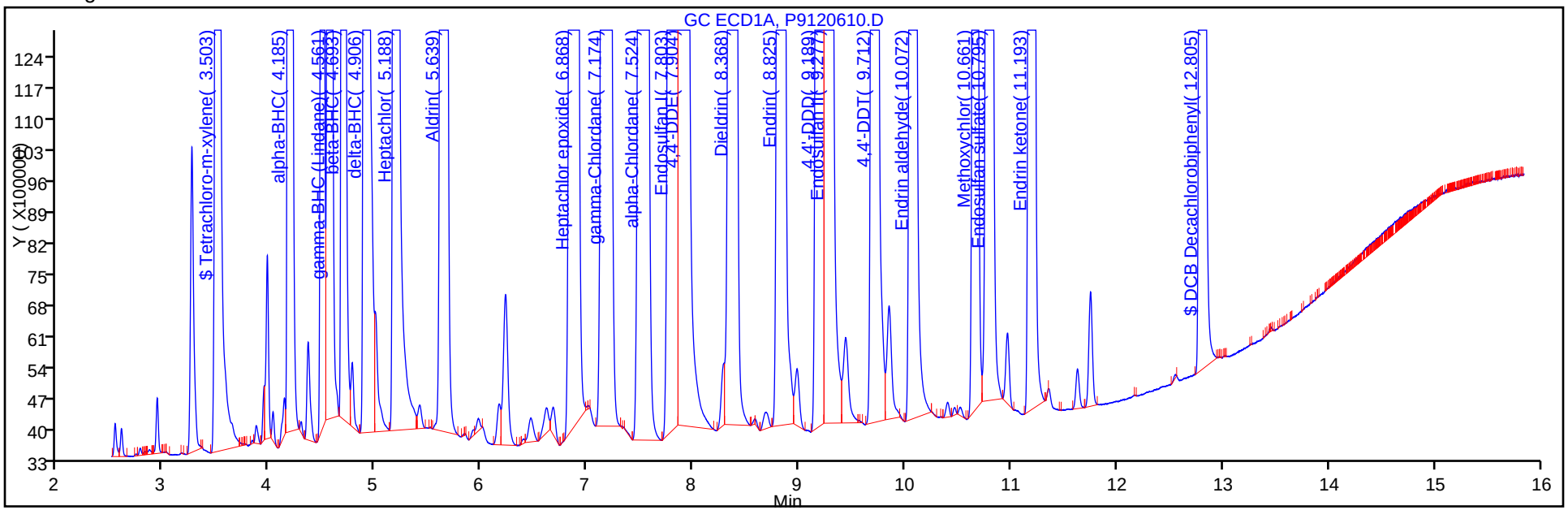
Report Date: 07-Dec-2012 10:25:27 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

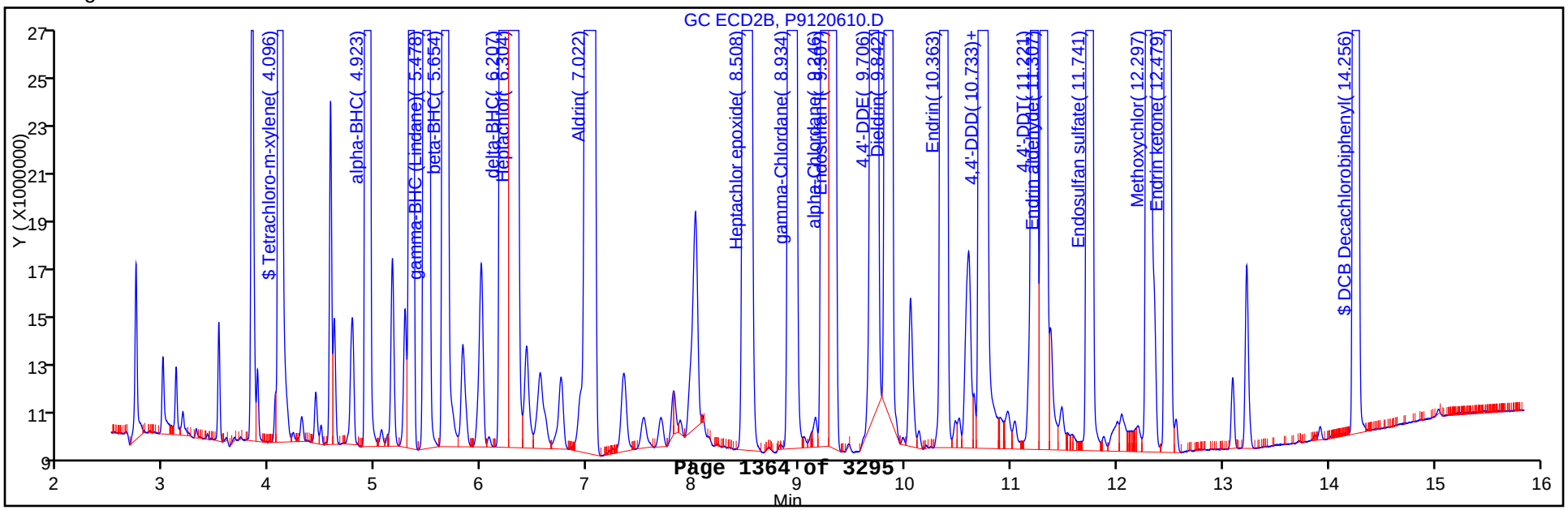
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120610.D

Injection Date:	06-Dec-2012 13:08:23	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	10
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 67554

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/06/2012 13:58 Calibration End Date: 12/06/2012 15:48 Calibration ID: 12712

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-67554/12	P9120612.D
Level 2	STD 240-67554/13	P9120613.D
Level 3	STD 240-67554/14	P9120614.D
Level 4	STD 240-67554/15	P9120615.D
Level 5	STD 240-67554/16	P9120616.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
Toxaphene Peak 1	9.505	9.506	9.508	9.508	9.507						9.478 - 9.538	9.507
Toxaphene Peak 2	9.952	9.952	9.951	9.956	9.954						9.921 - 9.981	9.953
Toxaphene Peak 3	10.019	10.021	10.021	10.020	10.021						9.991 - 10.051	10.020
Toxaphene Peak 4	10.604	10.603	10.605	10.604	10.603						10.575 - 10.635	10.604
Toxaphene Peak 5	11.168	11.169	11.170	11.170	11.170						11.140 - 11.200	11.169

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 67554

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/06/2012 13:58 Calibration End Date: 12/06/2012 15:48 Calibration ID: 12712

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-67554/12	P9120612.D
Level 2	STD 240-67554/13	P9120613.D
Level 3	STD 240-67554/14	P9120614.D
Level 4	STD 240-67554/15	P9120615.D
Level 5	STD 240-67554/16	P9120616.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
Toxaphene Peak 1	71391445 64152866	76548370	62258278	70612991	Ave		68992789.9				8.4		20.0			
Toxaphene Peak 2	92110295 80018780	88244200	78150246	88824662	Ave		85469636.5				7.1		20.0			
Toxaphene Peak 3	77020950 71076954	74981218	68653392	77095048	Ave		73765512.4				5.1		20.0			
Toxaphene Peak 4	105166900 93304506	106895652	85217063	103134712	Ave		98743766.5				9.3		20.0			
Toxaphene Peak 5	65495270 63137898	70525146	52584471	66386458	Ave		63625848.6				11.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 67554

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/06/2012 13:58 Calibration End Date: 12/06/2012 15:48 Calibration ID: 12712

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-67554/12	P9120612.D
Level 2	STD 240-67554/13	P9120613.D
Level 3	STD 240-67554/14	P9120614.D
Level 4	STD 240-67554/15	P9120615.D
Level 5	STD 240-67554/16	P9120616.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Toxaphene Peak 1	Ave	14278289	38274185	62258278	141225982	320764328	0.200	0.500	1.00	2.00	5.00
Toxaphene Peak 2	Ave	18422059	44122100	78150246	177649323	400093900	0.200	0.500	1.00	2.00	5.00
Toxaphene Peak 3	Ave	15404190	37490609	68653392	154190096	355384770	0.200	0.500	1.00	2.00	5.00
Toxaphene Peak 4	Ave	21033380	53447826	85217063	206269423	466522531	0.200	0.500	1.00	2.00	5.00
Toxaphene Peak 5	Ave	13099054	35262573	52584471	132772916	315689490	0.200	0.500	1.00	2.00	5.00

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120612.D		
Lims ID:	STD TOX 1	Client ID:	
Inject. Date:	06-Dec-2012 13:58:34	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	240-0015581-012		
Misc. Info.:			
Operator:	093905	Instrument ID:	A2HP9
Injection Vol:	1.0 ul	ALS Bottle#:	12
Lims Batch ID:	67554	Lims Sample ID:	12
Sublist:	chrom-PEST9*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP9\20121206-15581.b\PEST9.m		
Last Update:	07-Dec-2012 10:25:30	Calib Date:	06-Dec-2012 18:34:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		

First Level Reviewer: vandorenc Date: 07-Dec-2012 07:38:30

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.505	9.508	-0.003	14278289	0.2070		100.0	M
1	2	9.952	9.951	0.001	18422059	0.2155	105.5- 145.5	129.0	M
1	3	10.019	10.021	-0.002	15404190	0.2088	90.3- 130.3	107.9	M
1	4	10.604	10.605	-0.001	21033380	0.2130	116.9- 156.9	147.3	M
1	5	11.168	11.170	-0.002	13099054	0.2059	64.5- 104.5	91.7	M
			Average of Peak Amounts =			0.2100			
2	100	10.897	10.898	-0.001	58494491	0.2203		100.0	M
2	2	11.446	11.448	-0.002	36218341	0.2182	43.7- 83.7	61.9	M
2	3	11.848	11.848	0.000	37476403	0.2185	45.7- 85.7	64.1	M
2	4	12.076	12.077	-0.001	54834322	0.2135	80.2- 120.2	93.7	M
2	5	12.462	12.464	-0.002	25821970	0.2112	28.1- 68.1	44.1	M
			Average of Peak Amounts =			0.2164			
						RPD = 2.96			

QC Flag Legend

Review Flags
M - Manually Integrated

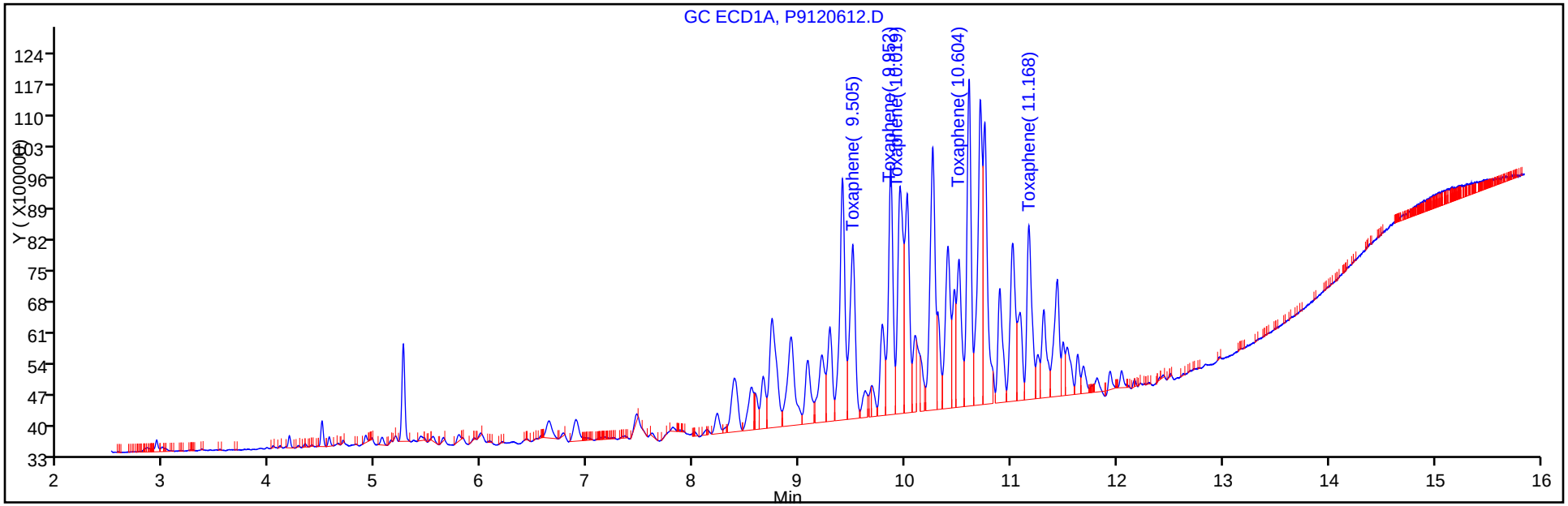
Report Date: 07-Dec-2012 10:25:32 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

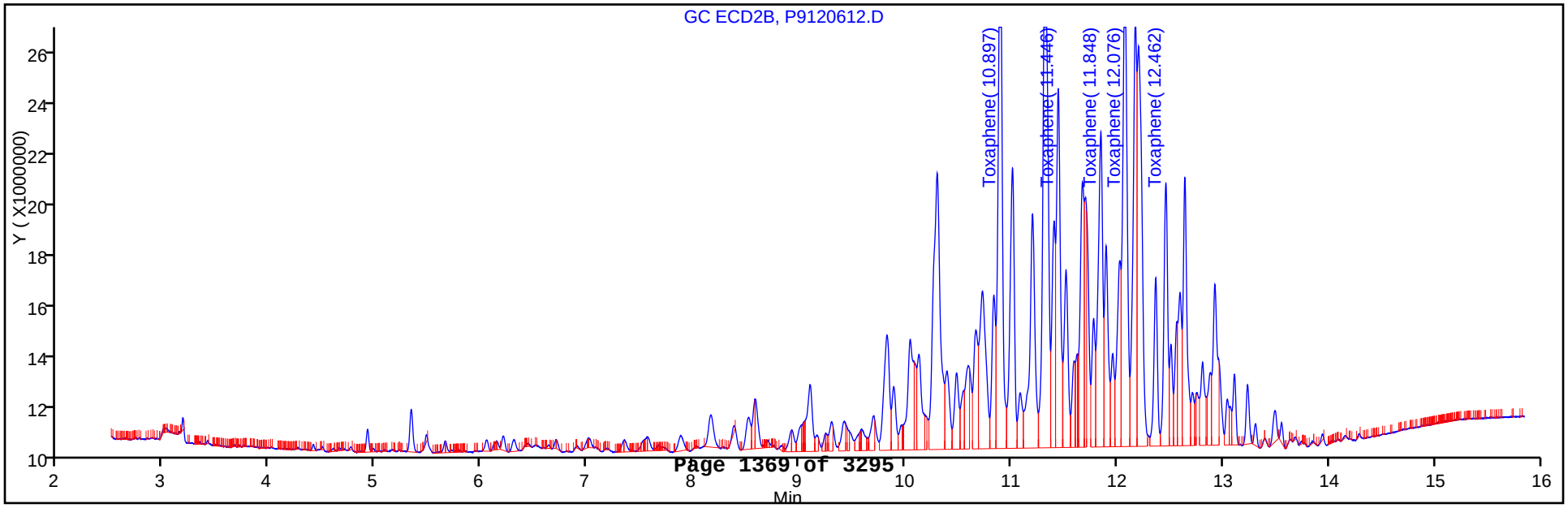
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120612.D

Injection Date:	06-Dec-2012 13:58:34	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	12
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



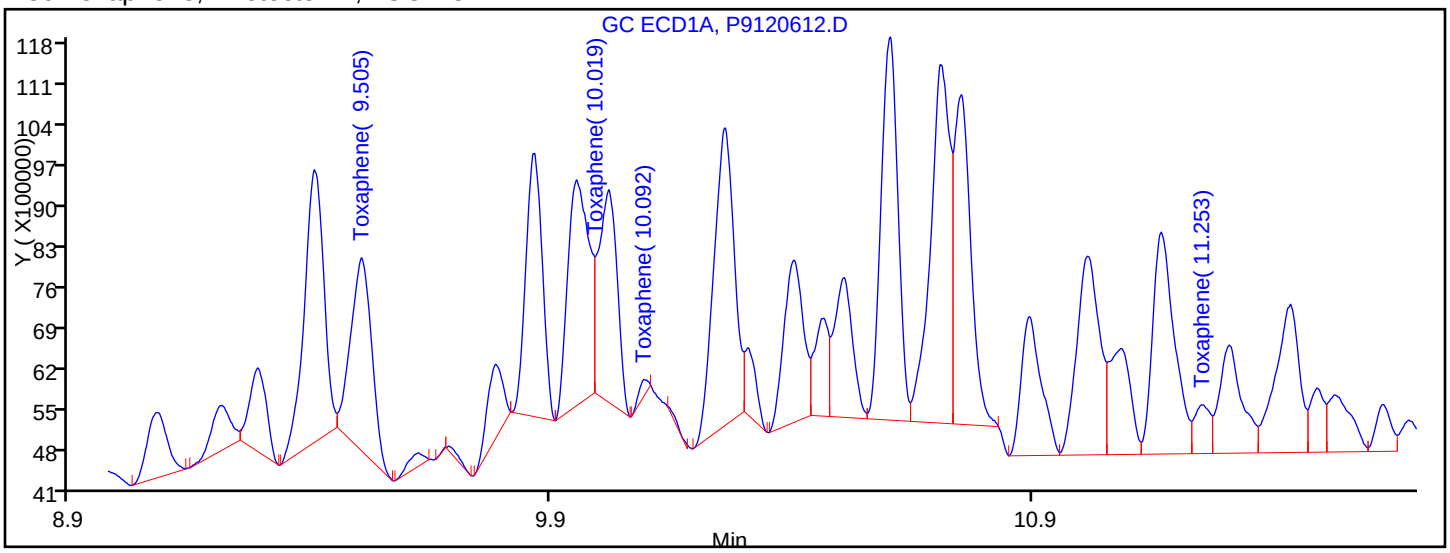
Report Date: 07-Dec-2012 10:25:32 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120612.D

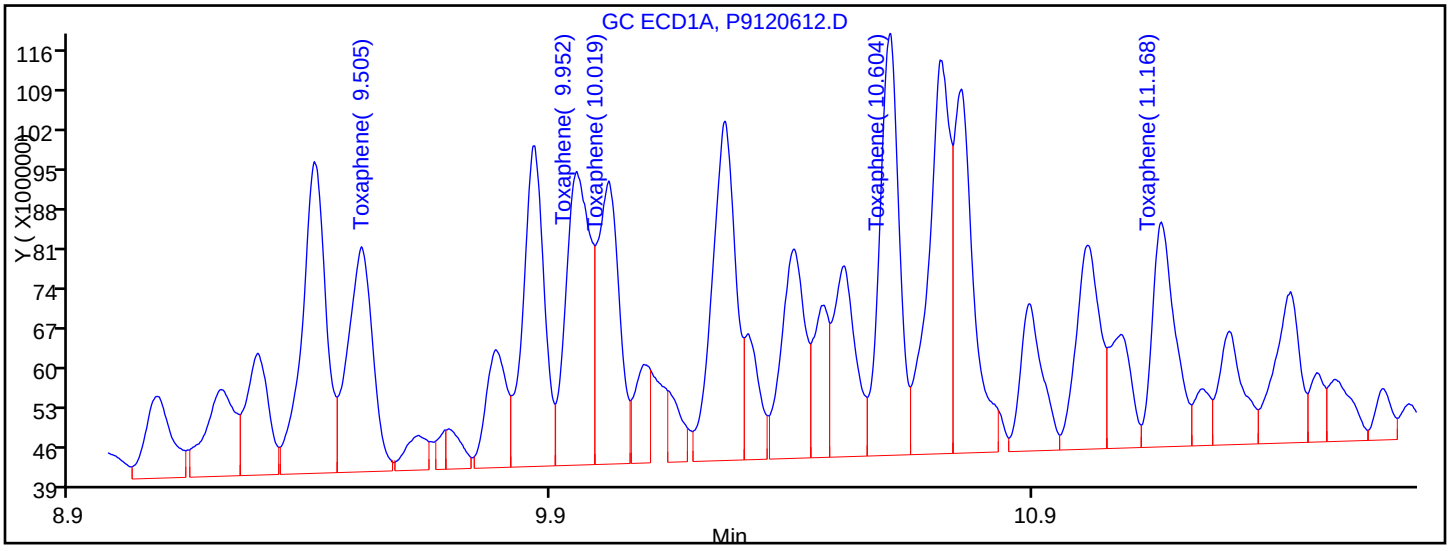
Injection Date:	06-Dec-2012 13:58:34	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	12
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 9.505	Response = 9989553	M
RT = 10.019	Response = 9580955	M
RT = 10.092	Response = 377422	M
RT = 0.000	Response = 0	M
RT = 11.253	Response = 1887183	M



Manual Integration Results

RT = 9.505	Response = 14278289	M
RT = 9.952	Response = 18422059	M
RT = 10.019	Response = 15404190	M
RT = 10.604	Response = 21033380	M
RT = 11.168	Response = 13099054	M

Reviewer: vandorenc, 07-Dec-2012 07:38:30

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120613.D
Lims ID: STD TOX2 Client ID:
Inject. Date: 06-Dec-2012 14:24:05 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0015581-013
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 13
Lims Batch ID: 67554 Lims Sample ID: 13
Sublist: chrom-PEST9*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\PEST9.m
Last Update: 07-Dec-2012 10:25:33 Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

First Level Reviewer: vandorenc Date: 07-Dec-2012 07:41:12

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									
1	100	9.506	9.508	-0.002	38274185	0.5548		100.0	M
1	2	9.952	9.951	0.001	44122100	0.5162	105.5- 145.5	115.3	M
1	3	10.021	10.021	0.000	37490609	0.5082	90.3- 130.3	98.0	M
1	4	10.603	10.605	-0.002	53447826	0.5413	116.9- 156.9	139.6	M
1	5	11.169	11.170	-0.001	35262573	0.5542	64.5- 104.5	92.1	M
			Average of Peak Amounts =			0.5349			
2	100	10.899	10.898	0.001	123675963	0.4658		100.0	
2	2	11.447	11.448	-0.001	75183809	0.4530	43.7- 83.7	60.8	A
2	3	11.848	11.848	0.000	72454678	0.4225	45.7- 85.7	58.6	A
2	4	12.076	12.077	-0.001	108399435	0.4221	80.2- 120.2	87.6	A
2	5	12.464	12.464	0.000	44890815	0.3672	28.1- 68.1	36.3	A
			Average of Peak Amounts =			0.4261			
						RPD = 22.65			

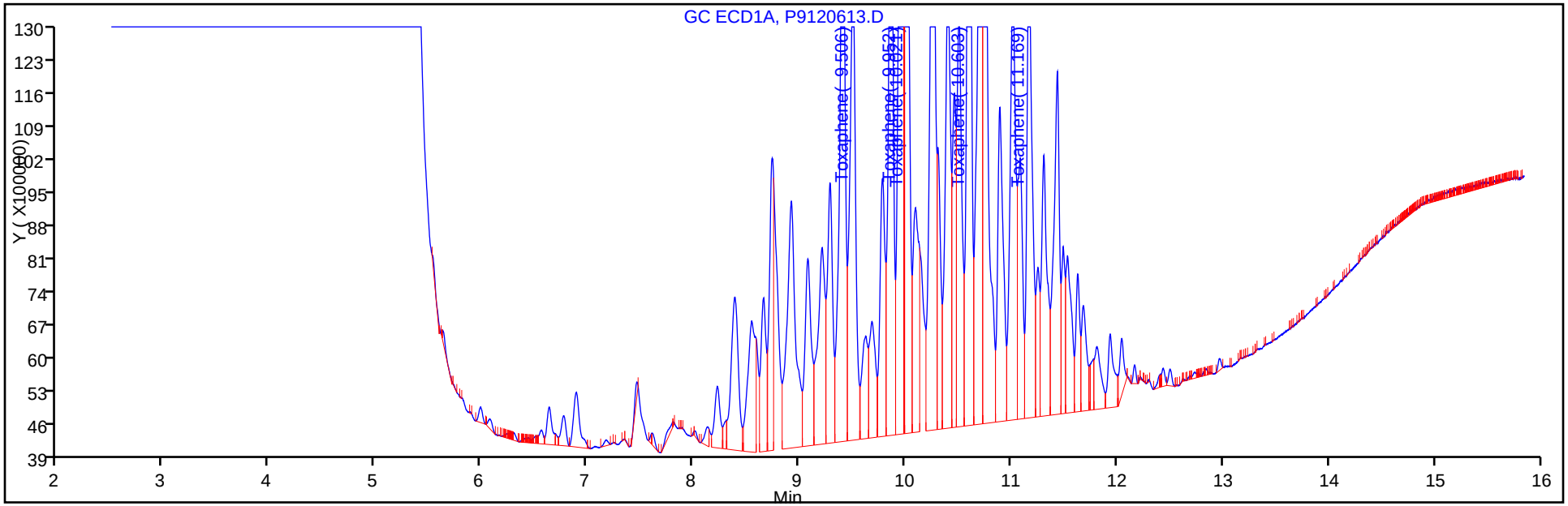
Report Date: 07-Dec-2012 10:25:34 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

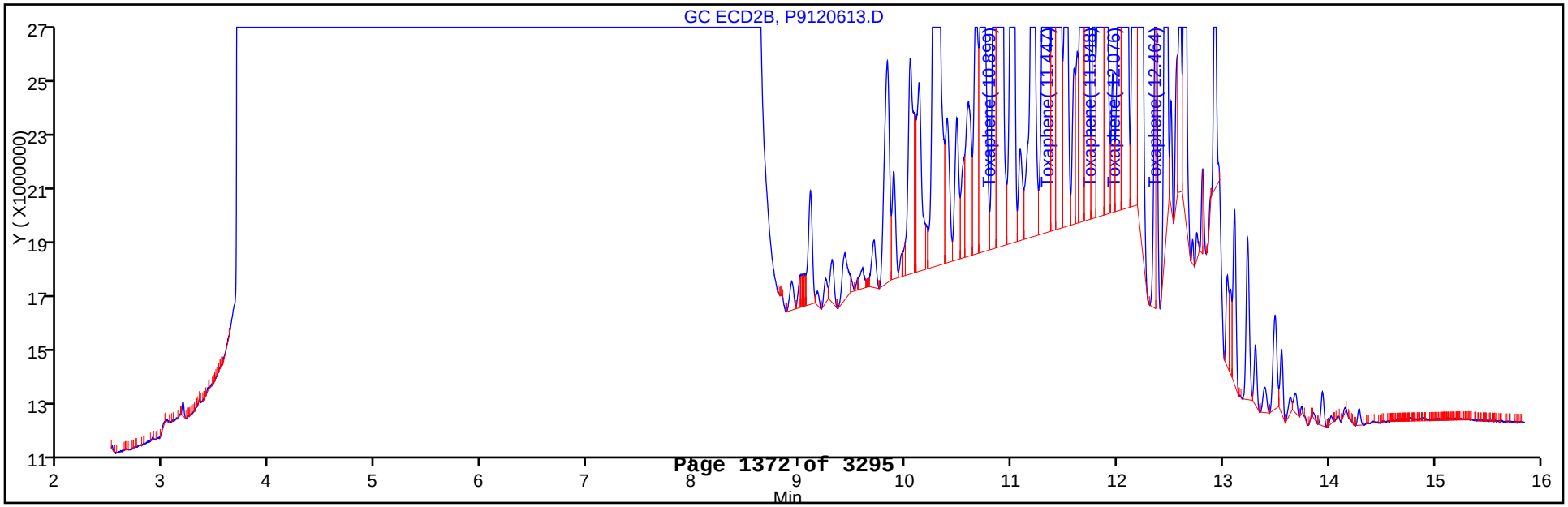
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120613.D

Injection Date:	06-Dec-2012 14:24:05	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	13
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120614.D
Lims ID: STD TOX3 Client ID:
Inject. Date: 06-Dec-2012 14:52:12 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0015581-014
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 14
Lims Batch ID: 67554 Lims Sample ID: 14
Sublist: chrom-PEST9*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\PEST9.m
Last Update: 07-Dec-2012 10:25:35 Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

First Level Reviewer: vandorenc Date: 07-Dec-2012 07:45:50

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									
1	100	9.508	9.508	0.000	62258278	0.9024		100.0	M
1	2	9.951	9.951	0.000	78150246	0.9144	105.5- 145.5	125.5	M
1	3	10.021	10.021	0.000	68653392	0.9307	90.3- 130.3	110.3	M
1	4	10.605	10.605	0.000	85217063	0.8630	116.9- 156.9	136.9	A
1	5	11.170	11.170	0.000	52584471	0.8265	64.5- 104.5	84.5	A
			Average of Peak Amounts =			0.8874			
2	100	10.898	10.898	0.000	269496535	1.02		100.0	
2	2	11.448	11.448	0.000	171680539	1.03	43.7- 83.7	63.7	A
2	3	11.848	11.848	0.000	176931653	1.03	45.7- 85.7	65.7	A
2	4	12.077	12.077	0.000	270000292	1.05	80.2- 120.2	100.2	A
2	5	12.464	12.464	0.000	129671979	1.06	28.1- 68.1	48.1	A
			Average of Peak Amounts =			1.04			
						RPD = 15.71			

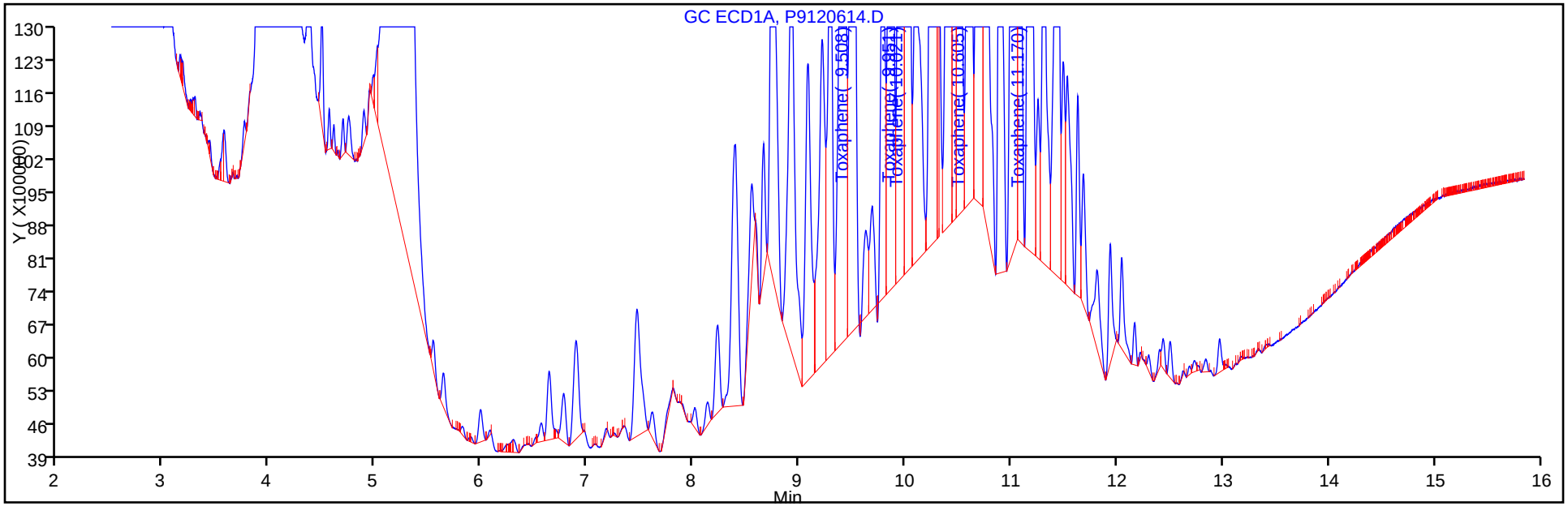
Report Date: 07-Dec-2012 10:25:36 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

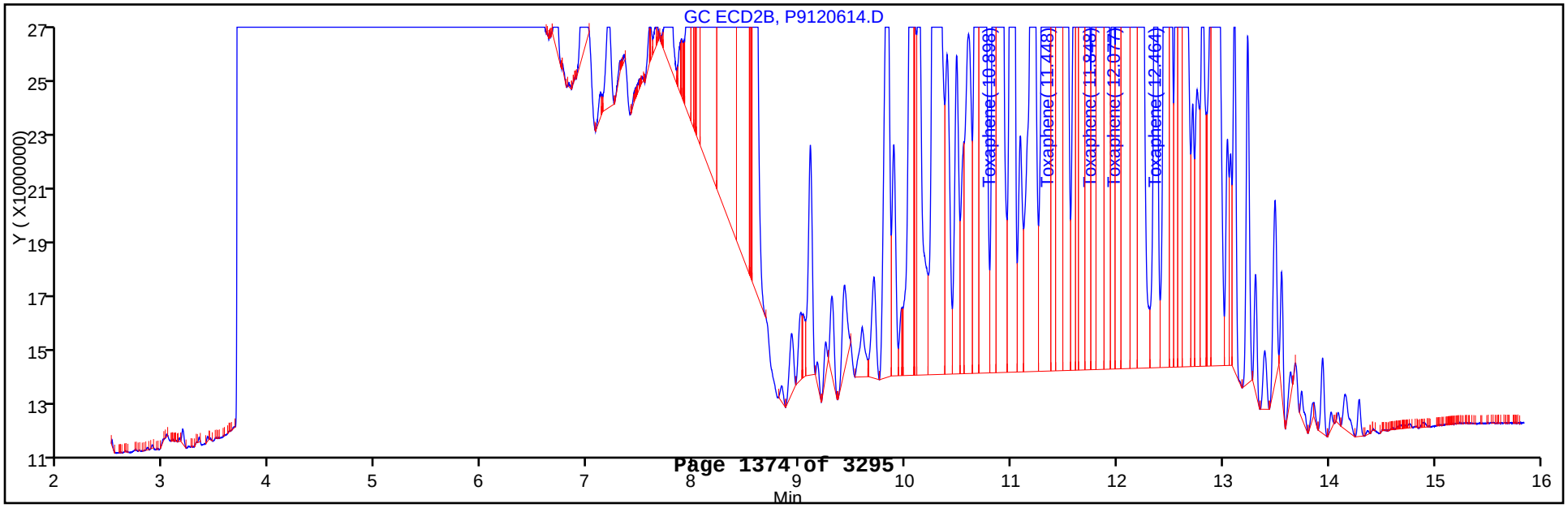
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120614.D

Injection Date:	06-Dec-2012 14:52:12	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	14
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120615.D
Lims ID: STD TOX4 Client ID:
Inject. Date: 06-Dec-2012 15:20:19 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0015581-015
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 15
Lims Batch ID: 67554 Lims Sample ID: 15
Sublist: chrom-PEST9*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\PEST9.m
Last Update: 07-Dec-2012 10:25:37 Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

First Level Reviewer: vandorenc Date: 07-Dec-2012 07:46:32

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.508	9.508	0.000	141225982	2.05		100.0	
1	2	9.956	9.951	0.005	177649323	2.08	105.5- 145.5	125.8	
1	3	10.020	10.021	-0.001	154190096	2.09	90.3- 130.3	109.2	
1	4	10.604	10.605	-0.001	206269423	2.09	116.9- 156.9	146.1	
1	5	11.170	11.170	0.000	132772916	2.09	64.5- 104.5	94.0	
			Average of Peak Amounts =			2.08			
2	100	10.898	10.898	0.000	551056414	2.08		100.0	M
2	2	11.446	11.448	-0.002	343302433	2.07	43.7- 83.7	62.3	M
2	3	11.848	11.848	0.000	367855848	2.15	45.7- 85.7	66.8	M
2	4	12.077	12.077	0.000	547075527	2.13	80.2- 120.2	99.3	M
2	5	12.462	12.464	-0.002	277675164	2.27	28.1- 68.1	50.4	M
			Average of Peak Amounts =			2.14			
						RPD = 2.84			

QC Flag Legend

Review Flags
M - Manually Integrated

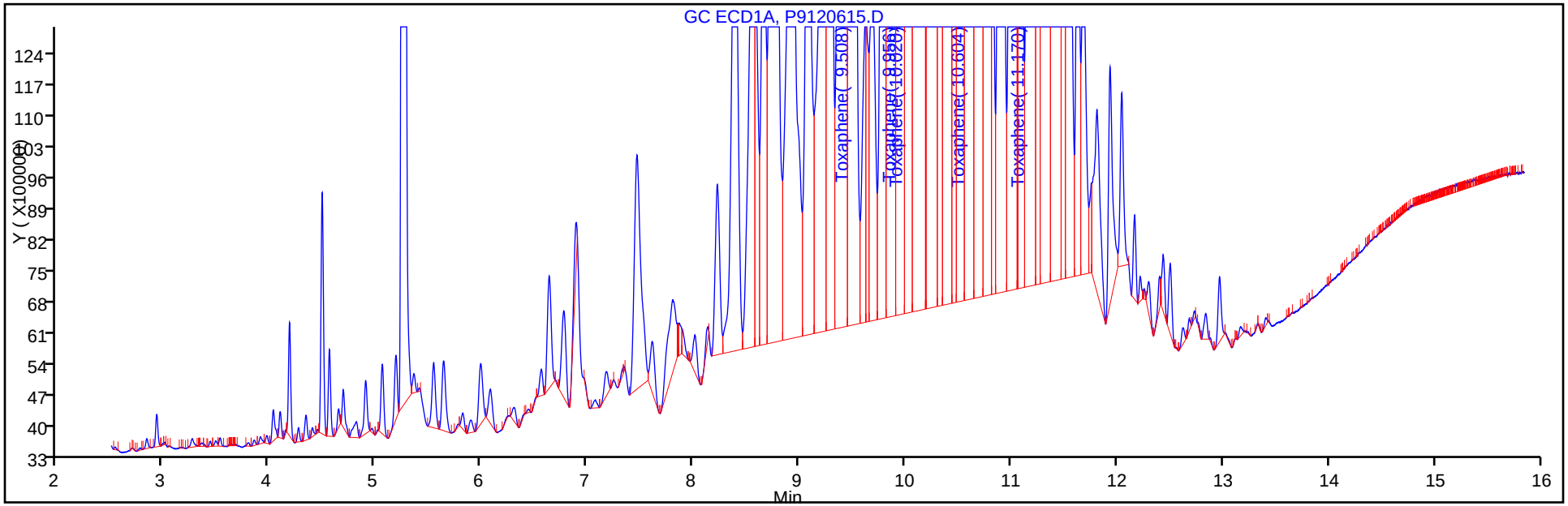
Report Date: 07-Dec-2012 10:25:39 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

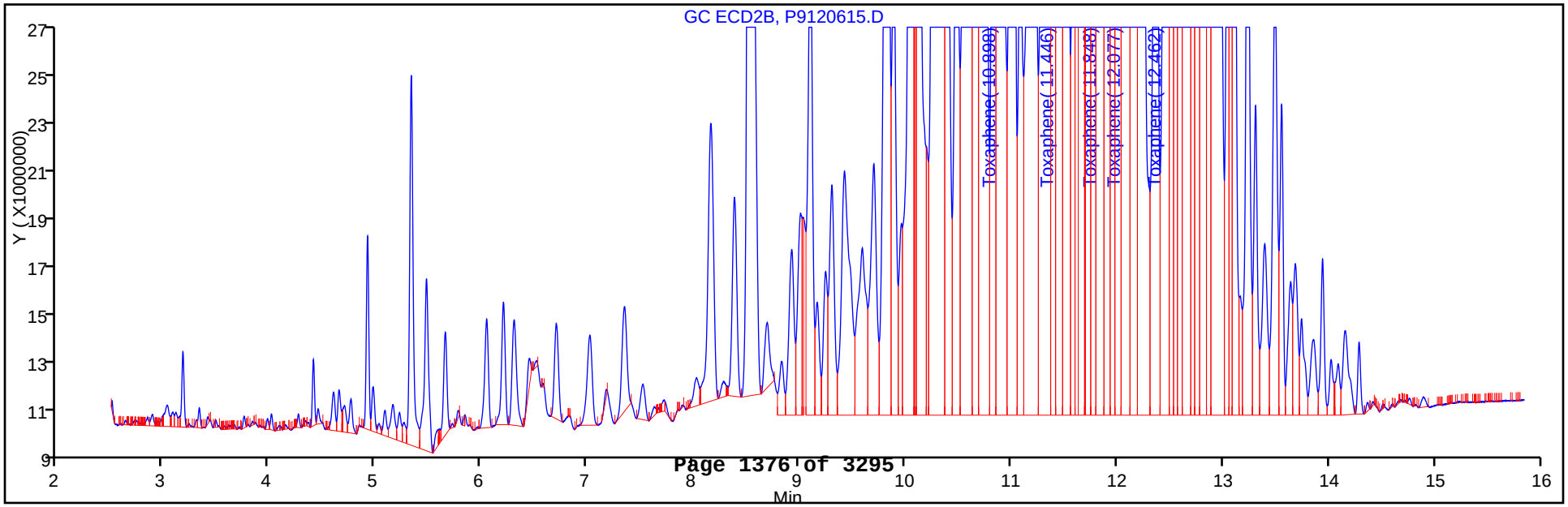
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120615.D

Injection Date:	06-Dec-2012 15:20:19	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	15
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120616.D		
Lims ID:	STD TOX5	Client ID:	
Inject. Date:	06-Dec-2012 15:48:28	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	240-0015581-016		
Misc. Info.:			
Operator:	093905	Instrument ID:	A2HP9
Injection Vol:	1.0 ul	ALS Bottle#:	16
Lims Batch ID:	67554	Lims Sample ID:	16
Sublist:	chrom-PEST9*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP9\20121206-15581.b\PEST9.m		
Last Update:	07-Dec-2012 10:25:40	Calib Date:	06-Dec-2012 18:34:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		

First Level Reviewer: vandorenc Date: 07-Dec-2012 07:47:19

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									
1	100	9.507	9.508	-0.001	320764328	4.65		100.0	
1	2	9.954	9.951	0.003	400093900	4.68	105.5- 145.5	124.7	
1	3	10.021	10.021	0.000	355384770	4.82	90.3- 130.3	110.8	
1	4	10.603	10.605	-0.002	466522531	4.72	116.9- 156.9	145.4	
1	5	11.170	11.170	0.000	315689490	4.96	64.5- 104.5	98.4	
			Average of Peak Amounts =			4.77			
2	100	10.899	10.898	0.001	1212888260	4.57		100.0	
2	2	11.447	11.448	-0.001	775615828	4.67	43.7- 83.7	63.9	A
2	3	11.849	11.848	0.001	821441819	4.79	45.7- 85.7	67.7	
2	4	12.075	12.077	-0.002	1247357220	4.86	80.2- 120.2	102.8	
2	5	12.463	12.464	-0.001	619488835	5.07	28.1- 68.1	51.1	
			Average of Peak Amounts =			4.79			
						RPD = 0.51			

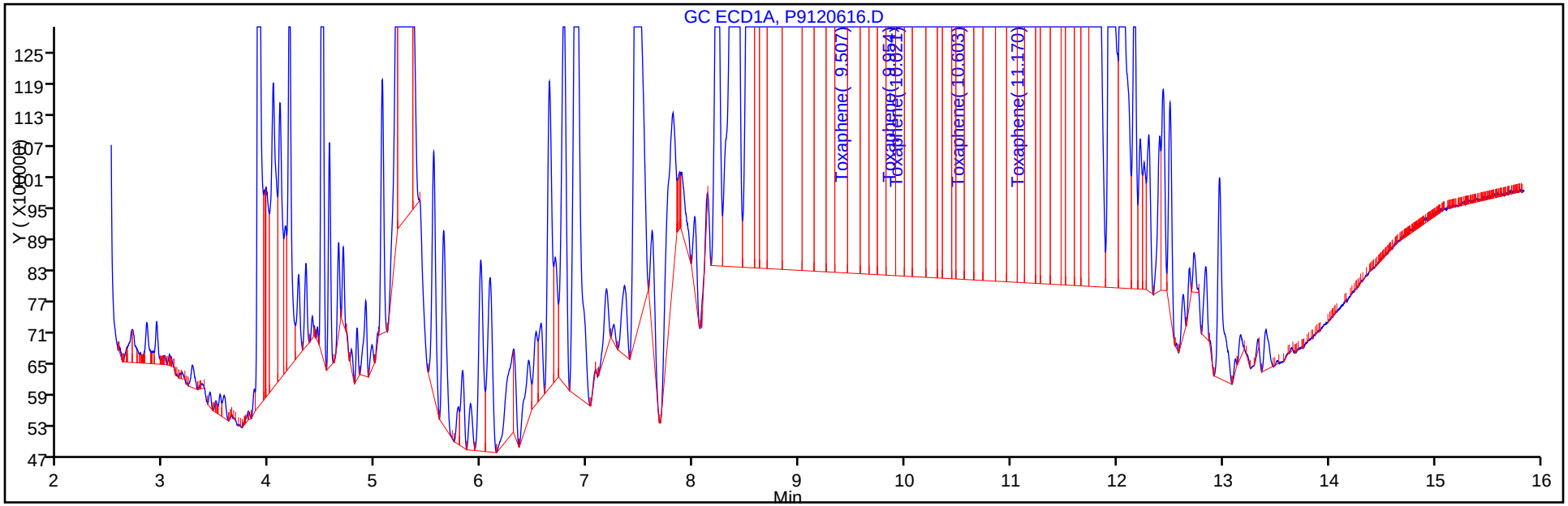
Report Date: 07-Dec-2012 10:25:41 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

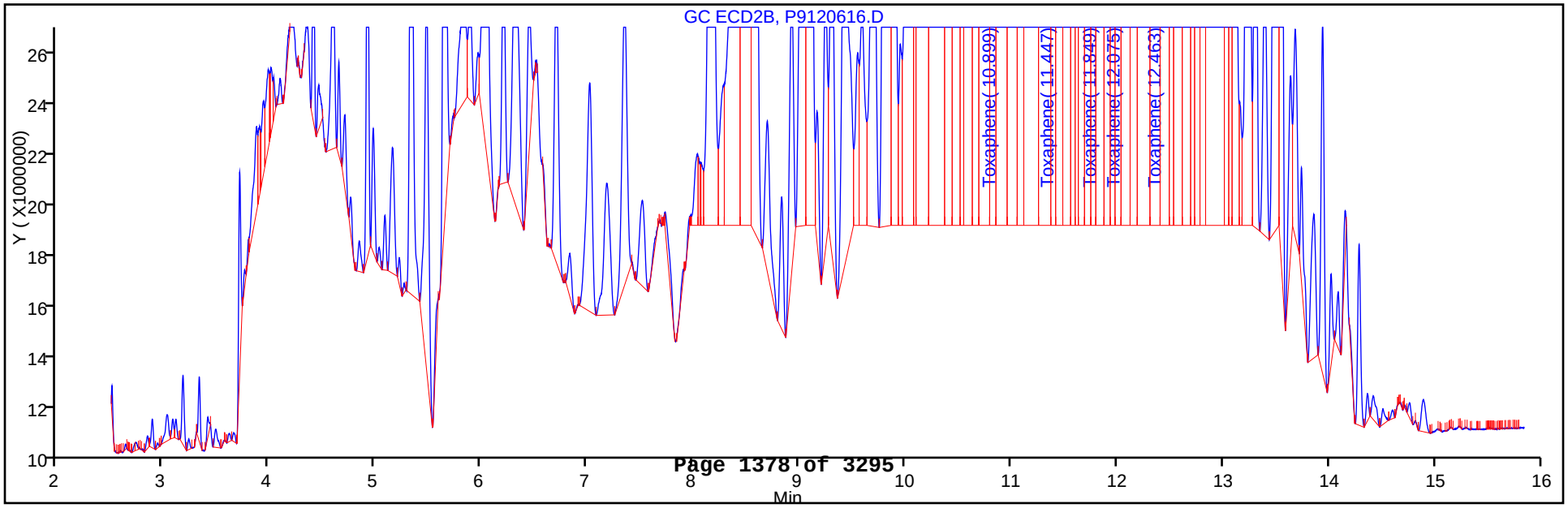
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120616.D

Injection Date:	06-Dec-2012 15:48:28	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	16
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 67554

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/06/2012 13:58 Calibration End Date: 12/06/2012 15:48 Calibration ID: 12713

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-67554/12	P9120612.D
Level 2	STD 240-67554/13	P9120613.D
Level 3	STD 240-67554/14	P9120614.D
Level 4	STD 240-67554/15	P9120615.D
Level 5	STD 240-67554/16	P9120616.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
Toxaphene Peak 1	10.897	10.899	10.898	10.898	10.899						10.868 - 10.928	10.898
Toxaphene Peak 2	11.446	11.447	11.448	11.446	11.447						11.418 - 11.478	11.447
Toxaphene Peak 3	11.848	11.848	11.848	11.848	11.849						11.818 - 11.878	11.848
Toxaphene Peak 4	12.076	12.076	12.077	12.077	12.075						12.047 - 12.107	12.076
Toxaphene Peak 5	12.462	12.464	12.464	12.462	12.463						12.434 - 12.494	12.463

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 67554

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/06/2012 13:58 Calibration End Date: 12/06/2012 15:48 Calibration ID: 12713

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-67554/12	P9120612.D
Level 2	STD 240-67554/13	P9120613.D
Level 3	STD 240-67554/14	P9120614.D
Level 4	STD 240-67554/15	P9120615.D
Level 5	STD 240-67554/16	P9120616.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
Toxaphene Peak 1	292472455 242577652	247351926	269496535	275528207	Ave		265485355				7.8		20.0			
Toxaphene Peak 2	181091705 155123166	150367618	171680539	171651217	Ave		165982849				7.7		20.0			
Toxaphene Peak 3	187382015 164288364	144909356	176931653	183927924	Ave		171487862				10.0		20.0			
Toxaphene Peak 4	274171610 249471444	216798870	270000292	273537764	Ave		256795996				9.6		20.0			
Toxaphene Peak 5	129109850 123897767	89781630	129671979	138837582	Ave		122259762				15.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 67554

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/06/2012 13:58 Calibration End Date: 12/06/2012 15:48 Calibration ID: 12713

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-67554/12	P9120612.D
Level 2	STD 240-67554/13	P9120613.D
Level 3	STD 240-67554/14	P9120614.D
Level 4	STD 240-67554/15	P9120615.D
Level 5	STD 240-67554/16	P9120616.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Toxaphene Peak 1	Ave	58494491	123675963	269496535	551056414	1212888260	0.200	0.500	1.00	2.00	5.00
Toxaphene Peak 2	Ave	36218341	75183809	171680539	343302433	775615828	0.200	0.500	1.00	2.00	5.00
Toxaphene Peak 3	Ave	37476403	72454678	176931653	367855848	821441819	0.200	0.500	1.00	2.00	5.00
Toxaphene Peak 4	Ave	54834322	108399435	270000292	547075527	1247357220	0.200	0.500	1.00	2.00	5.00
Toxaphene Peak 5	Ave	25821970	44890815	129671979	277675164	619488835	0.200	0.500	1.00	2.00	5.00

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120612.D
Lims ID: STD TOX 1 Client ID:
Inject. Date: 06-Dec-2012 13:58:34 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0015581-012
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 12
Lims Batch ID: 67554 Lims Sample ID: 12
Sublist: chrom-PEST9*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\PEST9.m
Last Update: 07-Dec-2012 10:25:30 Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

First Level Reviewer: vandorenc Date: 07-Dec-2012 07:38:30

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.505	9.508	-0.003	14278289	0.2070		100.0	M
1	2	9.952	9.951	0.001	18422059	0.2155	105.5- 145.5	129.0	M
1	3	10.019	10.021	-0.002	15404190	0.2088	90.3- 130.3	107.9	M
1	4	10.604	10.605	-0.001	21033380	0.2130	116.9- 156.9	147.3	M
1	5	11.168	11.170	-0.002	13099054	0.2059	64.5- 104.5	91.7	M
			Average of Peak Amounts =			0.2100			
2	100	10.897	10.898	-0.001	58494491	0.2203		100.0	M
2	2	11.446	11.448	-0.002	36218341	0.2182	43.7- 83.7	61.9	M
2	3	11.848	11.848	0.000	37476403	0.2185	45.7- 85.7	64.1	M
2	4	12.076	12.077	-0.001	54834322	0.2135	80.2- 120.2	93.7	M
2	5	12.462	12.464	-0.002	25821970	0.2112	28.1- 68.1	44.1	M
			Average of Peak Amounts =			0.2164			
						RPD = 2.96			

QC Flag Legend

Review Flags
M - Manually Integrated

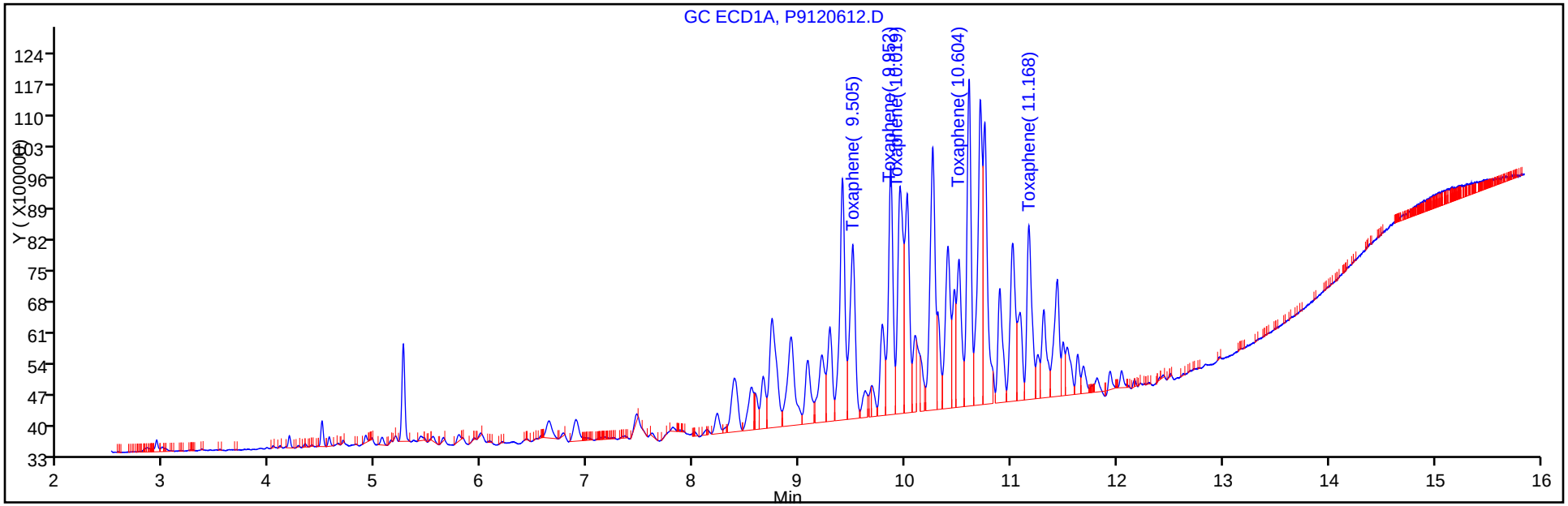
Report Date: 07-Dec-2012 10:25:32 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

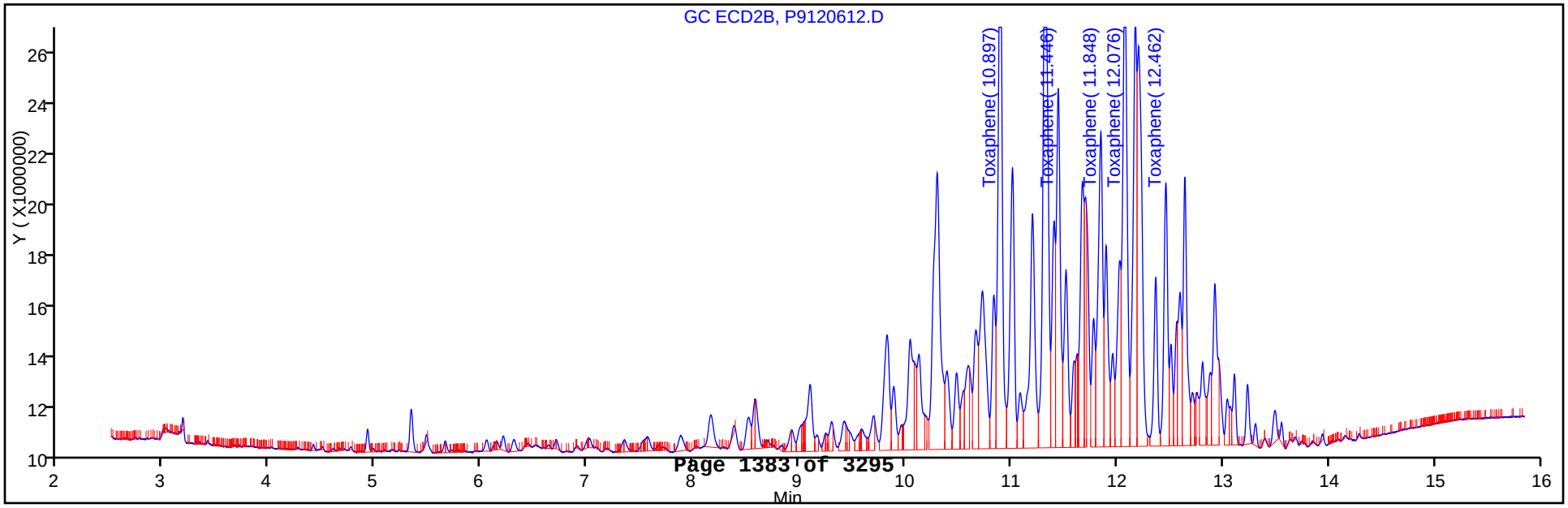
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120612.D

Injection Date:	06-Dec-2012 13:58:34	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	12
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



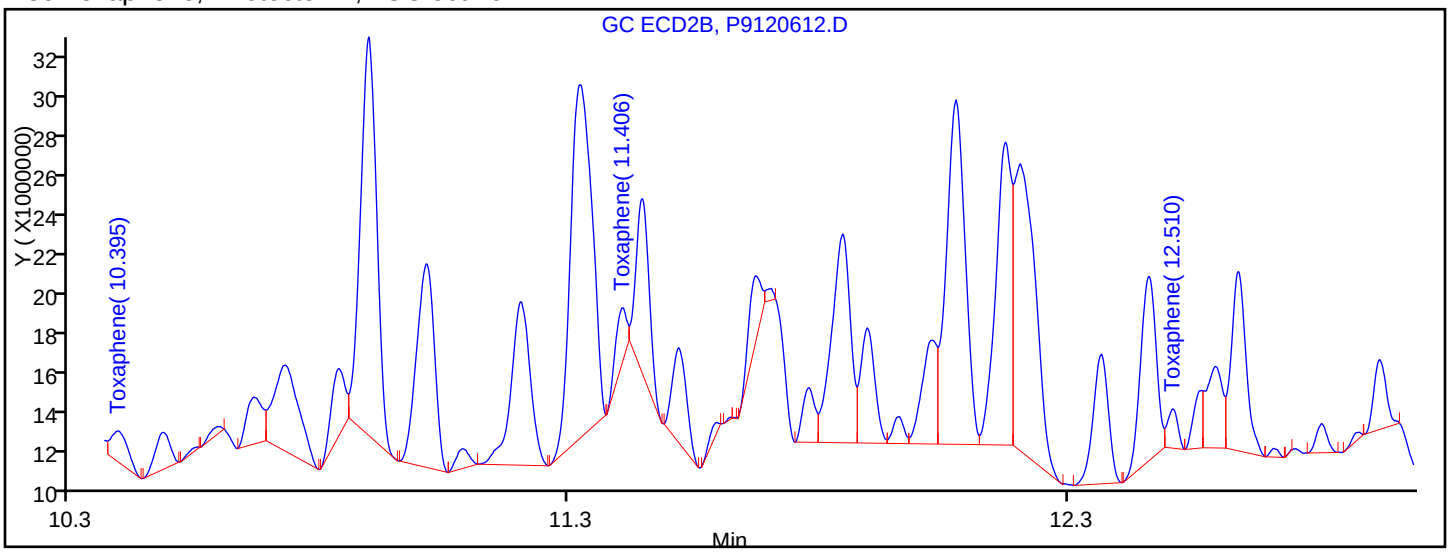
Report Date: 07-Dec-2012 10:25:32 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120612.D

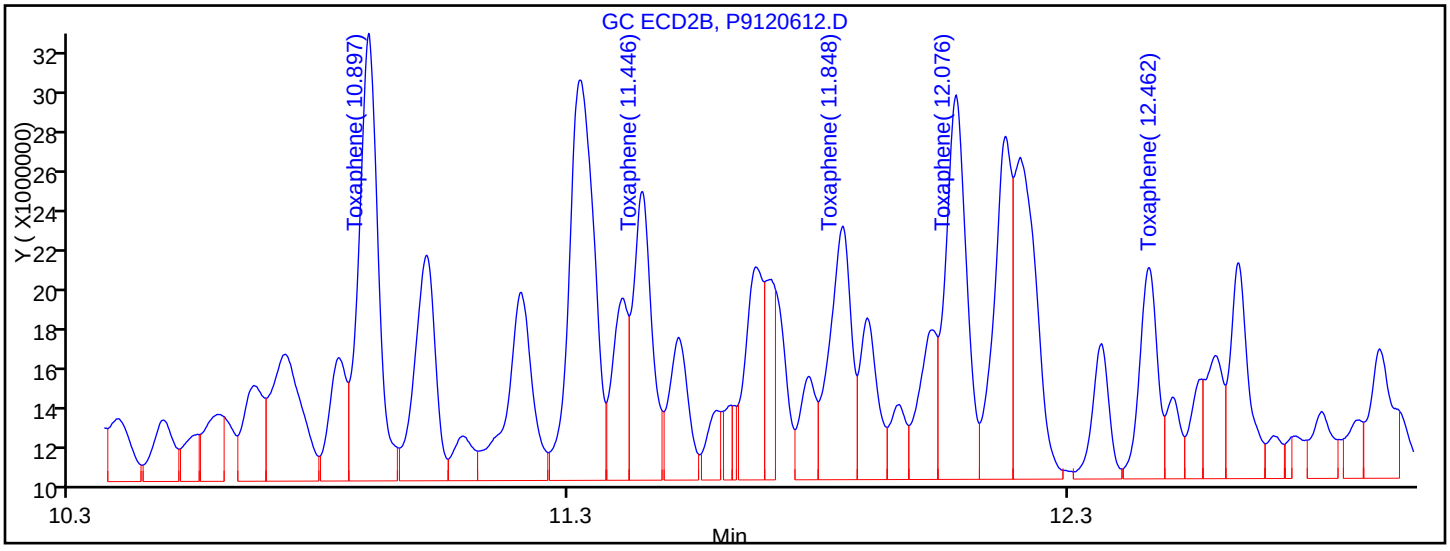
Injection Date:	06-Dec-2012 13:58:34	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	12
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 2, GC ecd2b



Processing Integration Results

RT = 10.395	Response = 3466883	M
RT = 11.406	Response = 4179367	M
RT = 0.000	Response = 0	M
RT = 0.000	Response = 0	M
RT = 12.510	Response = 2689233	M



Manual Integration Results

RT = 10.897	Response = 58494491	M
RT = 11.446	Response = 36218341	M
RT = 11.848	Response = 37476403	M
RT = 12.076	Response = 54834322	M
RT = 12.462	Response = 25821970	M

Reviewer: vandorenc, 07-Dec-2012 07:38:30

Audit Action: Manually Integrated/Assigned Compound ID

Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120613.D
Lims ID: STD TOX2 Client ID:
Inject. Date: 06-Dec-2012 14:24:05 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0015581-013
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 13
Lims Batch ID: 67554 Lims Sample ID: 13
Sublist: chrom-PEST9*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\PEST9.m
Last Update: 07-Dec-2012 10:25:33 Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

First Level Reviewer: vandorenc Date: 07-Dec-2012 07:41:12

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									
1	100	9.506	9.508	-0.002	38274185	0.5548		100.0	M
1	2	9.952	9.951	0.001	44122100	0.5162	105.5- 145.5	115.3	M
1	3	10.021	10.021	0.000	37490609	0.5082	90.3- 130.3	98.0	M
1	4	10.603	10.605	-0.002	53447826	0.5413	116.9- 156.9	139.6	M
1	5	11.169	11.170	-0.001	35262573	0.5542	64.5- 104.5	92.1	M
			Average of Peak Amounts =			0.5349			
2	100	10.899	10.898	0.001	123675963	0.4658		100.0	
2	2	11.447	11.448	-0.001	75183809	0.4530	43.7- 83.7	60.8	A
2	3	11.848	11.848	0.000	72454678	0.4225	45.7- 85.7	58.6	A
2	4	12.076	12.077	-0.001	108399435	0.4221	80.2- 120.2	87.6	A
2	5	12.464	12.464	0.000	44890815	0.3672	28.1- 68.1	36.3	A
			Average of Peak Amounts =			0.4261			
						RPD = 22.65			

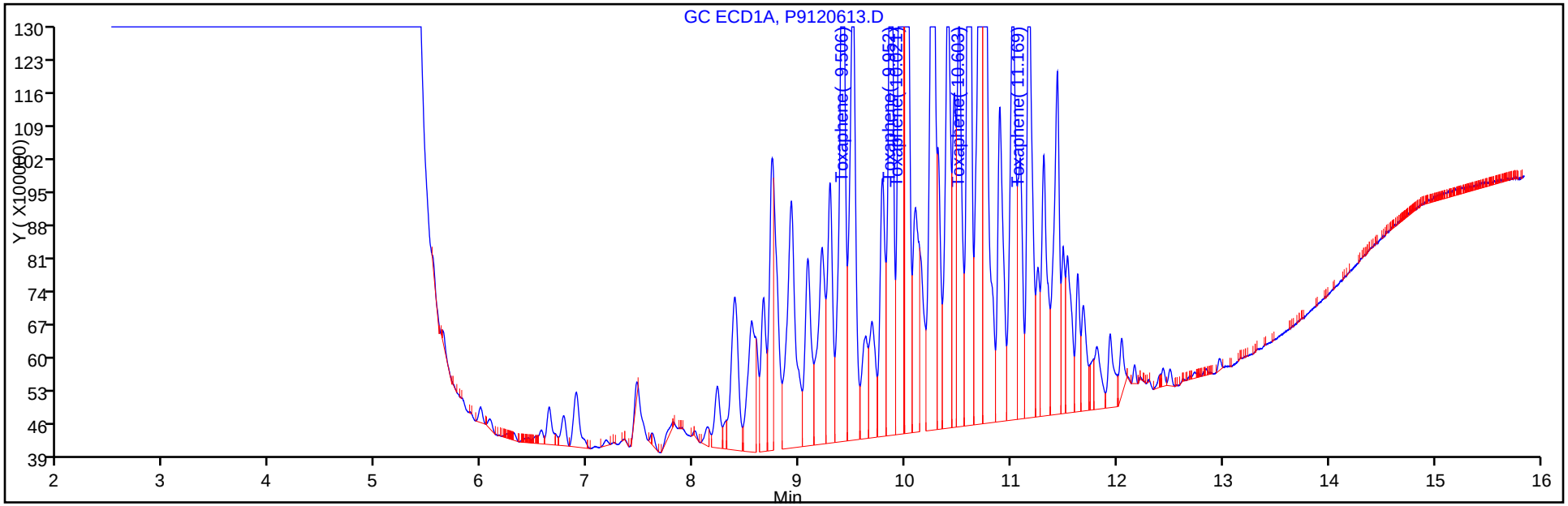
Report Date: 07-Dec-2012 10:25:35 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

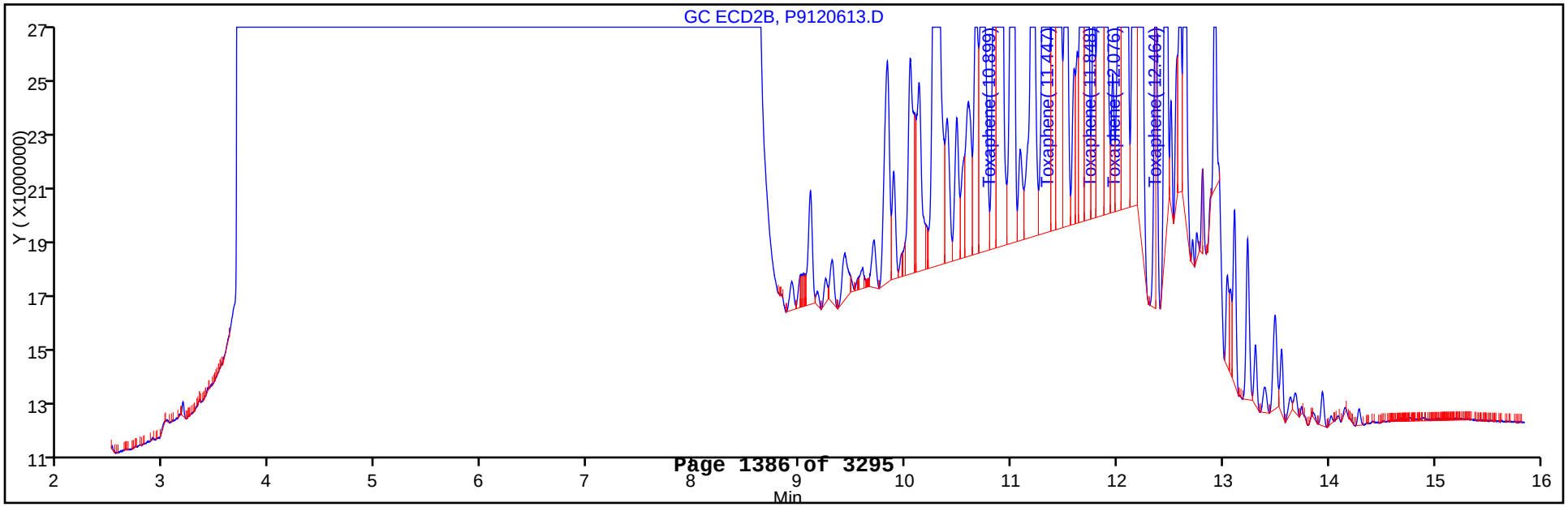
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120613.D

Injection Date:	06-Dec-2012 14:24:05	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	13
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120614.D
Lims ID: STD TOX3 Client ID:
Inject. Date: 06-Dec-2012 14:52:12 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0015581-014
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 14
Lims Batch ID: 67554 Lims Sample ID: 14
Sublist: chrom-PEST9*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\PEST9.m
Last Update: 07-Dec-2012 10:25:35 Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

First Level Reviewer: vandorenc Date: 07-Dec-2012 07:45:50

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									
1	100	9.508	9.508	0.000	62258278	0.9024		100.0	M
1	2	9.951	9.951	0.000	78150246	0.9144	105.5- 145.5	125.5	M
1	3	10.021	10.021	0.000	68653392	0.9307	90.3- 130.3	110.3	M
1	4	10.605	10.605	0.000	85217063	0.8630	116.9- 156.9	136.9	A
1	5	11.170	11.170	0.000	52584471	0.8265	64.5- 104.5	84.5	A
			Average of Peak Amounts =			0.8874			
2	100	10.898	10.898	0.000	269496535	1.02		100.0	
2	2	11.448	11.448	0.000	171680539	1.03	43.7- 83.7	63.7	A
2	3	11.848	11.848	0.000	176931653	1.03	45.7- 85.7	65.7	A
2	4	12.077	12.077	0.000	270000292	1.05	80.2- 120.2	100.2	A
2	5	12.464	12.464	0.000	129671979	1.06	28.1- 68.1	48.1	A
			Average of Peak Amounts =			1.04			
						RPD = 15.71			

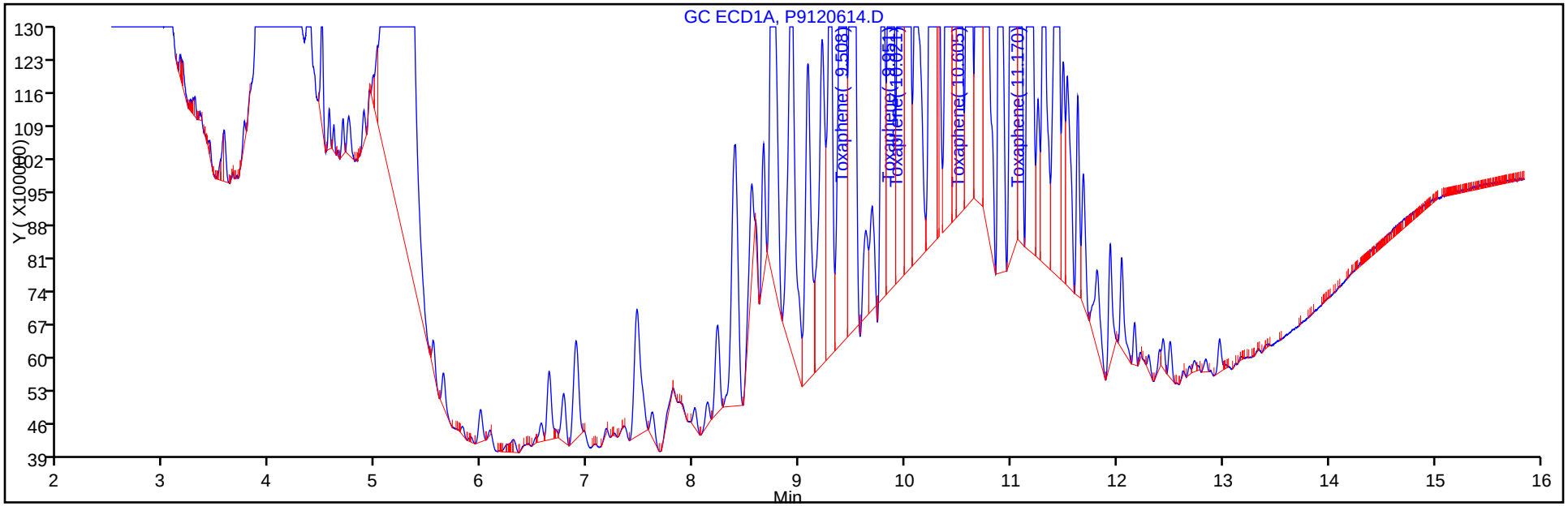
Report Date: 07-Dec-2012 10:25:37 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

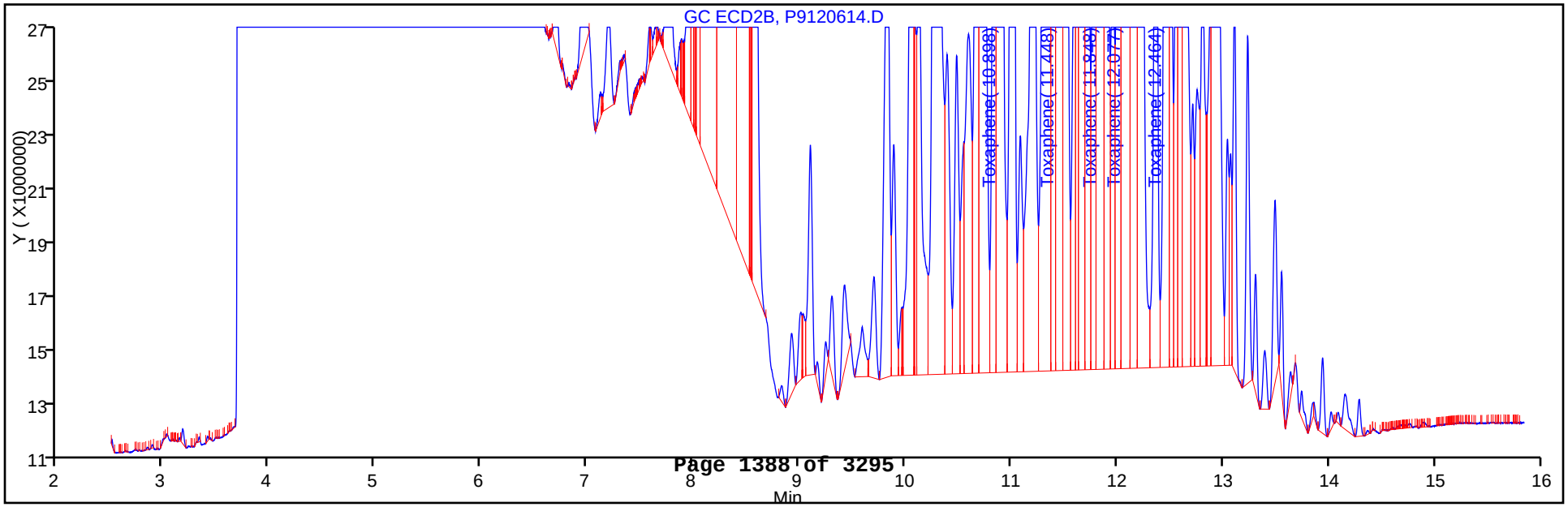
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120614.D

Injection Date:	06-Dec-2012 14:52:12	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	14
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120615.D		
Lims ID:	STD TOX4	Client ID:	
Inject. Date:	06-Dec-2012 15:20:19	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	240-0015581-015		
Misc. Info.:			
Operator:	093905	Instrument ID:	A2HP9
Injection Vol:	1.0 ul	ALS Bottle#:	15
Lims Batch ID:	67554	Lims Sample ID:	15
Sublist:	chrom-PEST9*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP9\20121206-15581.b\PEST9.m		
Last Update:	07-Dec-2012 10:25:37	Calib Date:	06-Dec-2012 18:34:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		

First Level Reviewer: vandorenc Date: 07-Dec-2012 07:46:32

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.508	9.508	0.000	141225982	2.05		100.0	
1	2	9.956	9.951	0.005	177649323	2.08	105.5- 145.5	125.8	
1	3	10.020	10.021	-0.001	154190096	2.09	90.3- 130.3	109.2	
1	4	10.604	10.605	-0.001	206269423	2.09	116.9- 156.9	146.1	
1	5	11.170	11.170	0.000	132772916	2.09	64.5- 104.5	94.0	
			Average of Peak Amounts =			2.08			
2	100	10.898	10.898	0.000	551056414	2.08		100.0	M
2	2	11.446	11.448	-0.002	343302433	2.07	43.7- 83.7	62.3	M
2	3	11.848	11.848	0.000	367855848	2.15	45.7- 85.7	66.8	M
2	4	12.077	12.077	0.000	547075527	2.13	80.2- 120.2	99.3	M
2	5	12.462	12.464	-0.002	277675164	2.27	28.1- 68.1	50.4	M
			Average of Peak Amounts =			2.14			
						RPD = 2.84			

QC Flag Legend

Review Flags
M - Manually Integrated

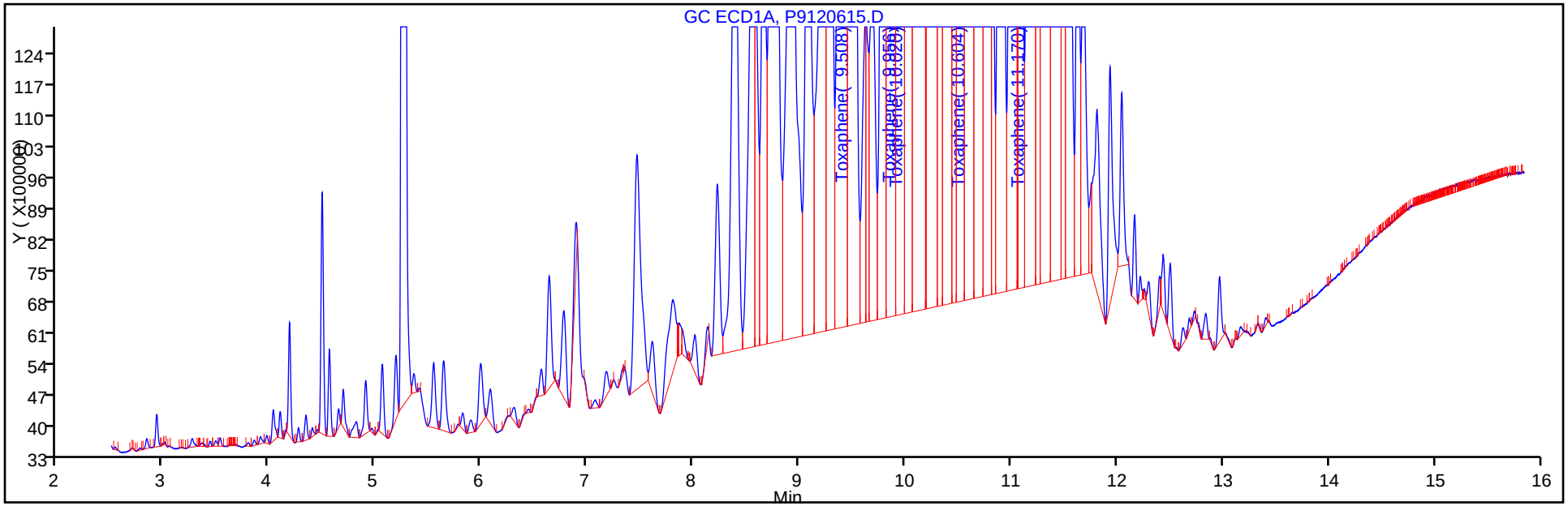
Report Date: 07-Dec-2012 10:25:39 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

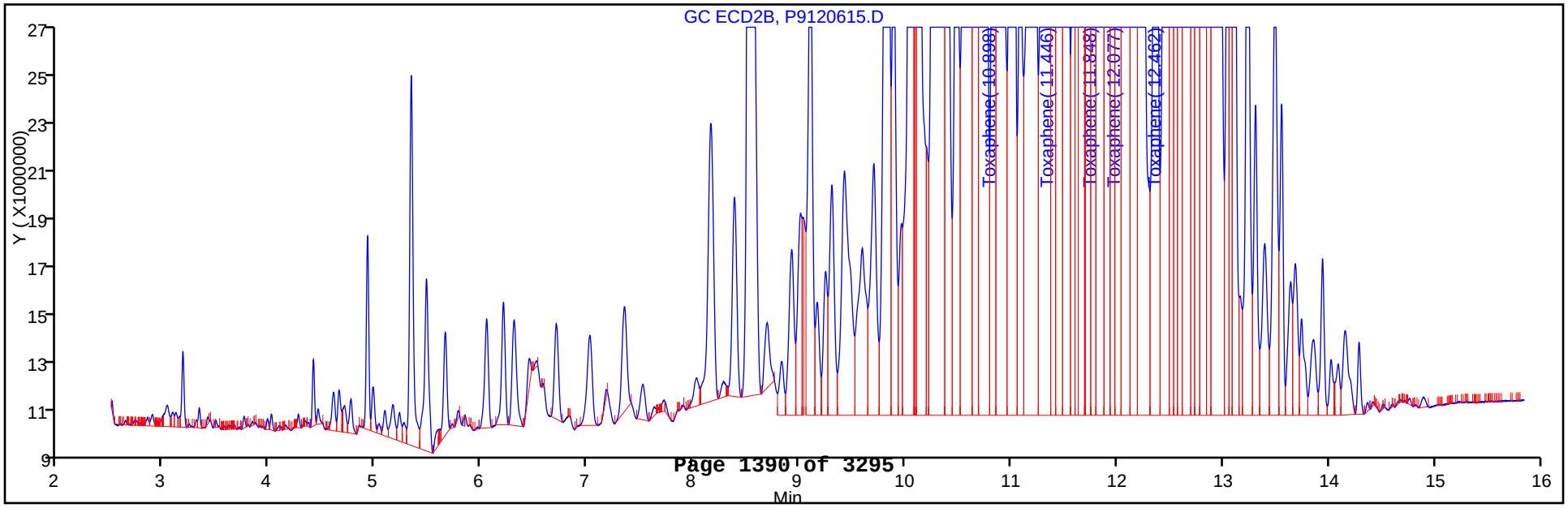
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120615.D

Injection Date:	06-Dec-2012 15:20:19	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	15
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



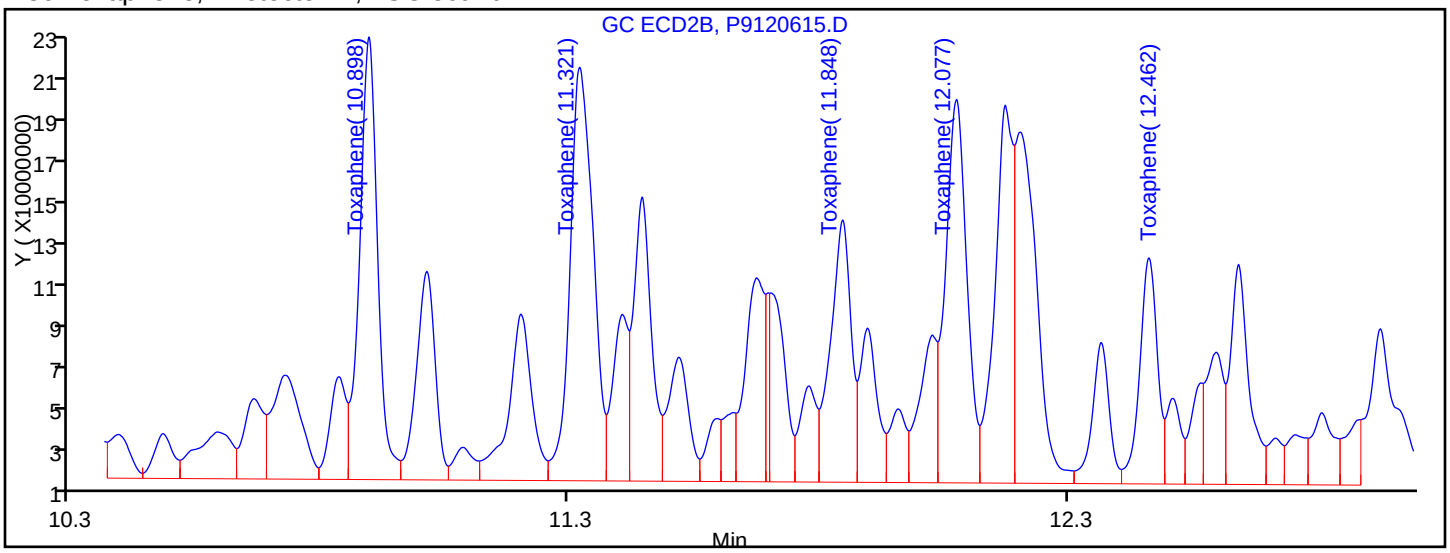
Report Date: 07-Dec-2012 10:25:39 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120615.D

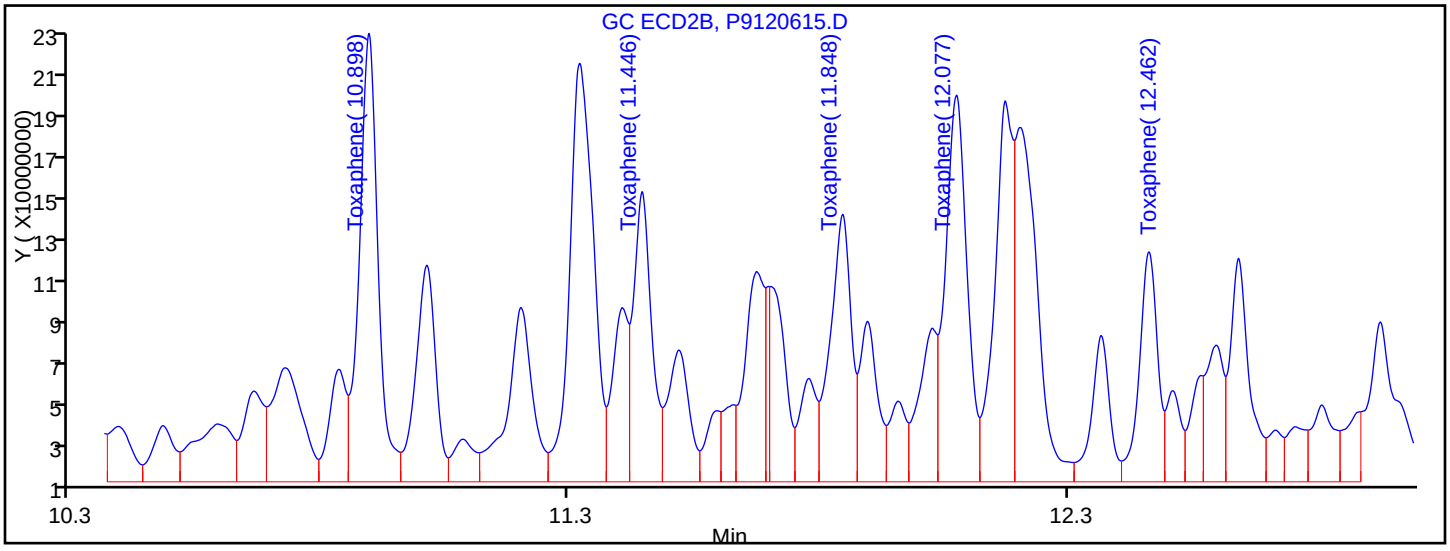
Injection Date:	06-Dec-2012 15:20:19	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	15
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 2, GC ecd2b



Processing Integration Results

RT = 10.898	Response = 519328326	M
RT = 11.321	Response = 623613676	M
RT = 11.848	Response = 350232487	M
RT = 12.077	Response = 529312213	M
RT = 12.462	Response = 261874423	M



Manual Integration Results

RT = 10.898	Response = 551056414	M
RT = 11.446	Response = 343302433	M
RT = 11.848	Response = 367855848	M
RT = 12.077	Response = 547075527	M
RT = 12.462	Response = 277675164	M

Reviewer: vandorenc, 07-Dec-2012 07:46:32

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120616.D		
Lims ID:	STD TOX5	Client ID:	
Inject. Date:	06-Dec-2012 15:48:28	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	240-0015581-016		
Misc. Info.:			
Operator:	093905	Instrument ID:	A2HP9
Injection Vol:	1.0 ul	ALS Bottle#:	16
Lims Batch ID:	67554	Lims Sample ID:	16
Sublist:	chrom-PEST9*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP9\20121206-15581.b\PEST9.m		
Last Update:	07-Dec-2012 10:25:40	Calib Date:	06-Dec-2012 18:34:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		

First Level Reviewer: vandorenc Date: 07-Dec-2012 07:47:19

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									
1	100	9.507	9.508	-0.001	320764328	4.65		100.0	
1	2	9.954	9.951	0.003	400093900	4.68	105.5- 145.5	124.7	
1	3	10.021	10.021	0.000	355384770	4.82	90.3- 130.3	110.8	
1	4	10.603	10.605	-0.002	466522531	4.72	116.9- 156.9	145.4	
1	5	11.170	11.170	0.000	315689490	4.96	64.5- 104.5	98.4	
			Average of Peak Amounts =			4.77			
2	100	10.899	10.898	0.001	1212888260	4.57		100.0	
2	2	11.447	11.448	-0.001	775615828	4.67	43.7- 83.7	63.9	A
2	3	11.849	11.848	0.001	821441819	4.79	45.7- 85.7	67.7	
2	4	12.075	12.077	-0.002	1247357220	4.86	80.2- 120.2	102.8	
2	5	12.463	12.464	-0.001	619488835	5.07	28.1- 68.1	51.1	
			Average of Peak Amounts =			4.79			
						RPD = 0.51			

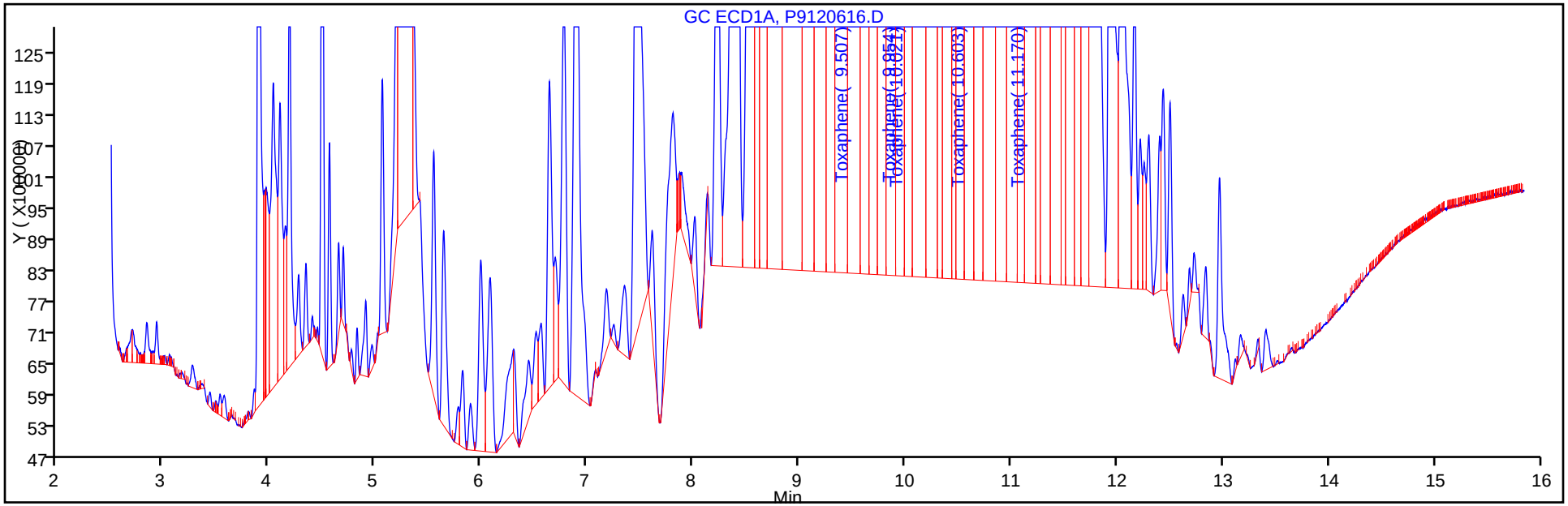
Report Date: 07-Dec-2012 10:25:41 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

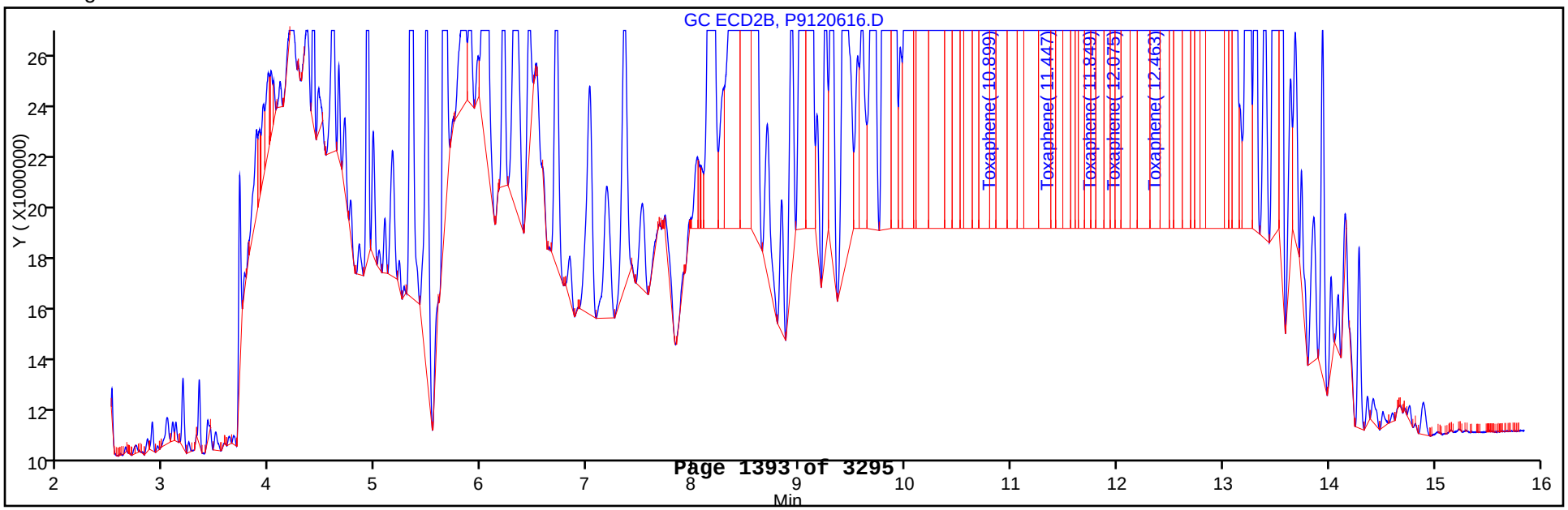
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120616.D

Injection Date:	06-Dec-2012 15:48:28	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	16
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 67554

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/06/2012 16:43 Calibration End Date: 12/06/2012 18:34 Calibration ID: 12718

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-67554/18	P9120618.D
Level 2	STD 240-67554/19	P9120619.D
Level 3	STD 240-67554/20	P9120620.D
Level 4	STD 240-67554/21	P9120621.D
Level 5	STD 240-67554/22	P9120622.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
Chlordane (technical) Peak 1	5.075	5.075	5.078	5.076	5.072						5.048 - 5.108	5.075
Chlordane (technical) Peak 2	5.930	5.931	5.928	5.928	5.927						5.898 - 5.958	5.929
Chlordane (technical) Peak 3	7.175	7.177	7.172	7.173	7.170						7.142 - 7.202	7.173
Chlordane (technical) Peak 4	7.521	7.522	7.519	7.520	7.519						7.489 - 7.549	7.520

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 67554

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/06/2012 16:43 Calibration End Date: 12/06/2012 18:34 Calibration ID: 12718

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-67554/18	P9120618.D
Level 2	STD 240-67554/19	P9120619.D
Level 3	STD 240-67554/20	P9120620.D
Level 4	STD 240-67554/21	P9120621.D
Level 5	STD 240-67554/22	P9120622.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
Chlordane (technical) Peak 1	131027350 135392242	132606100	123547550	123305540	Ave		129175756				4.2		20.0			
Chlordane (technical) Peak 2	120796000 113074340	118456500	109160270	126481245	Ave		117593671				5.7		20.0			
Chlordane (technical) Peak 3	364138950 374350140	374879560	382284740	436218125	Ave		386374303				7.4		20.0			
Chlordane (technical) Peak 4	543231200 586370868	597561880	600158360	688575665	Ave		603179595				8.8		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 67554

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/06/2012 16:43 Calibration End Date: 12/06/2012 18:34 Calibration ID: 12718

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-67554/18	P9120618.D
Level 2	STD 240-67554/19	P9120619.D
Level 3	STD 240-67554/20	P9120620.D
Level 4	STD 240-67554/21	P9120621.D
Level 5	STD 240-67554/22	P9120622.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Chlordane (technical) Peak 1	Ave	2620547	6630305	12354755	24661108	67696121	0.0200	0.0500	0.100	0.200	0.500
Chlordane (technical) Peak 2	Ave	2415920	5922825	10916027	25296249	56537170	0.0200	0.0500	0.100	0.200	0.500
Chlordane (technical) Peak 3	Ave	7282779	18743978	38228474	87243625	187175070	0.0200	0.0500	0.100	0.200	0.500
Chlordane (technical) Peak 4	Ave	10864624	29878094	60015836	137715133	293185434	0.0200	0.0500	0.100	0.200	0.500

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120618.D		
Lims ID:	STD TC1	Client ID:	
Inject. Date:	06-Dec-2012 16:43:58	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	240-0015581-018		
Misc. Info.:			
Operator:	093905	Instrument ID:	A2HP9
Injection Vol:	1.0 ul	ALS Bottle#:	18
Lims Batch ID:	67554	Lims Sample ID:	18
Sublist:	chrom-PEST9*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP9\20121206-15581.b\PEST9.m		
Last Update:	07-Dec-2012 10:25:48	Calib Date:	06-Dec-2012 18:34:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		

First Level Reviewer: vandorenc Date: 07-Dec-2012 08:24:00

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									
1	100	5.075	5.078	-0.003	2620547	0.0203		100.0	
1	2	5.930	5.928	0.002	2415920	0.0205	68.4- 108.4	92.2	A
1	3	7.175	7.172	0.003	7282779	0.0188	289.4- 329.4	277.9	A
1	4	7.521	7.519	0.002	10864624	0.0180	465.8- 505.8	414.6	A
			Average of Peak Amounts =			0.0194			
2	100	6.008	6.010	-0.002	8461964	0.0172		100.0	
2	2	7.515	7.508	0.007	8160875	0.0268	8.4- 48.4	96.4	A
2	3	8.933	8.931	0.002	18810423	0.0208	101.3- 141.3	222.3	A
2	4	9.245	9.244	0.001	18119447	0.0224	72.8- 112.8	214.1	A
			Average of Peak Amounts =			0.0218			
						RPD = 11.50			

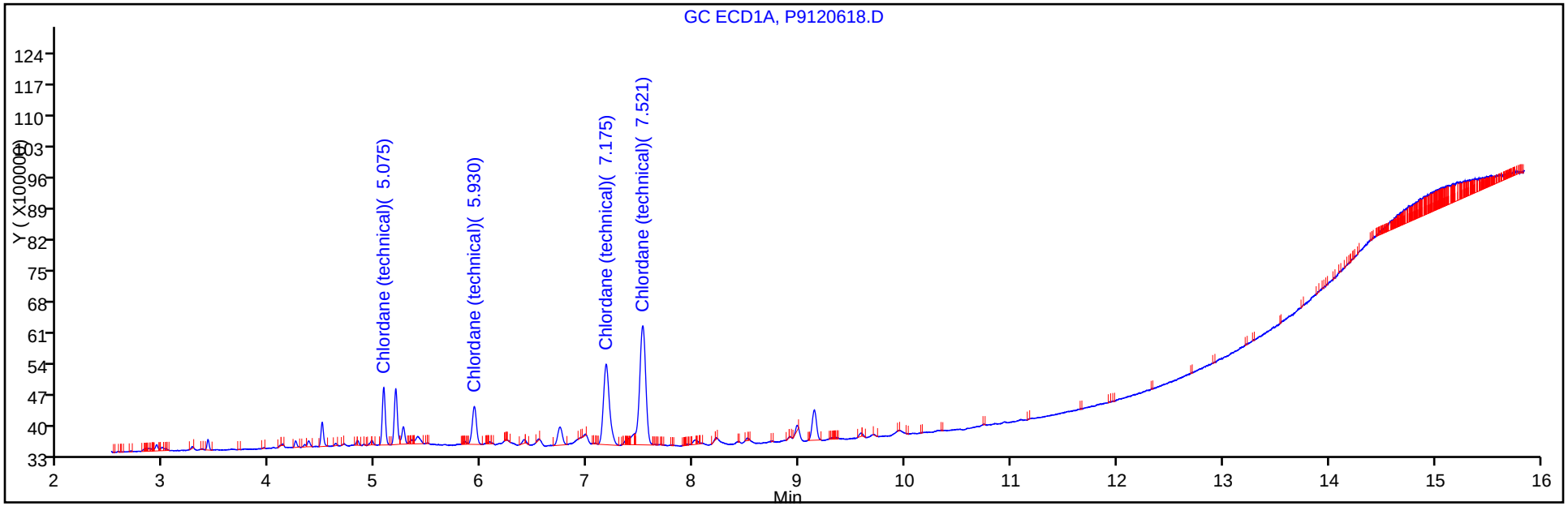
Report Date: 07-Dec-2012 10:25:50 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

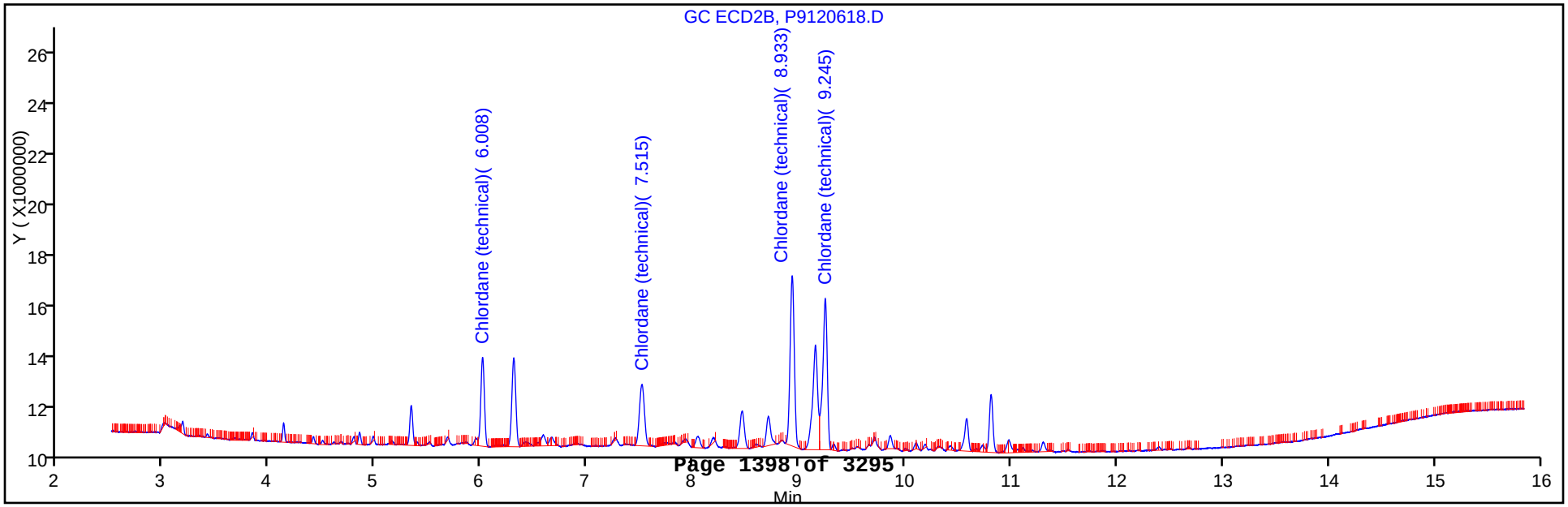
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120618.D

Injection Date:	06-Dec-2012 16:43:58	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	18
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120619.D
Lims ID: STD TC2 Client ID:
Inject. Date: 06-Dec-2012 17:11:57 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0015581-019
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 19
Lims Batch ID: 67554 Lims Sample ID: 19
Sublist: chrom-PEST9*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\PEST9.m
Last Update: 07-Dec-2012 10:25:51 Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

First Level Reviewer: vandorenc Date: 07-Dec-2012 08:24:45

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									
1	100	5.075	5.078	-0.003	6630305	0.0513		100.0	
1	2	5.931	5.928	0.003	5922825	0.0504	68.4- 108.4	89.3	A
1	3	7.177	7.172	0.005	18743978	0.0485	289.4- 329.4	282.7	A
1	4	7.522	7.519	0.003	29878094	0.0495	465.8- 505.8	450.6	A
			Average of Peak Amounts =			0.0499			
2	100	6.009	6.010	-0.001	20987460	0.0426		100.0	
2	2	7.513	7.508	0.005	18336806	0.0603	8.4- 48.4	87.4	A
2	3	8.933	8.931	0.002	46290549	0.0512	101.3- 141.3	220.6	A
2	4	9.246	9.244	0.002	42625294	0.0526	72.8- 112.8	203.1	A
			Average of Peak Amounts =			0.0517			
						RPD = 3.42			

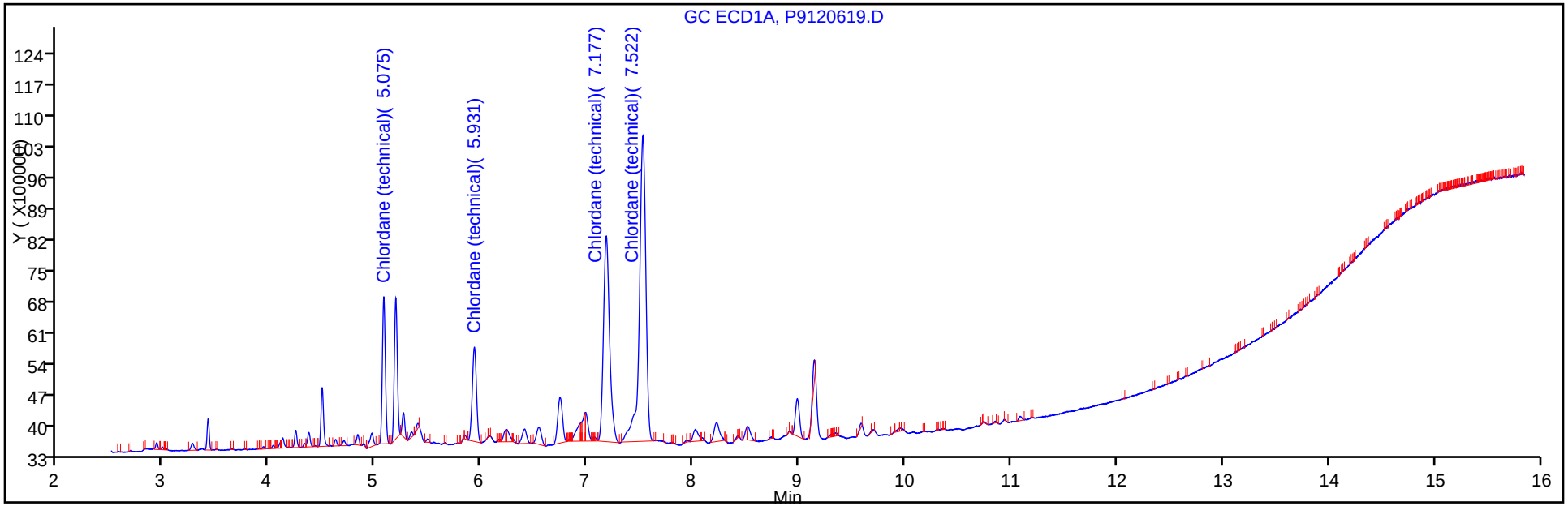
Report Date: 07-Dec-2012 10:25:52 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

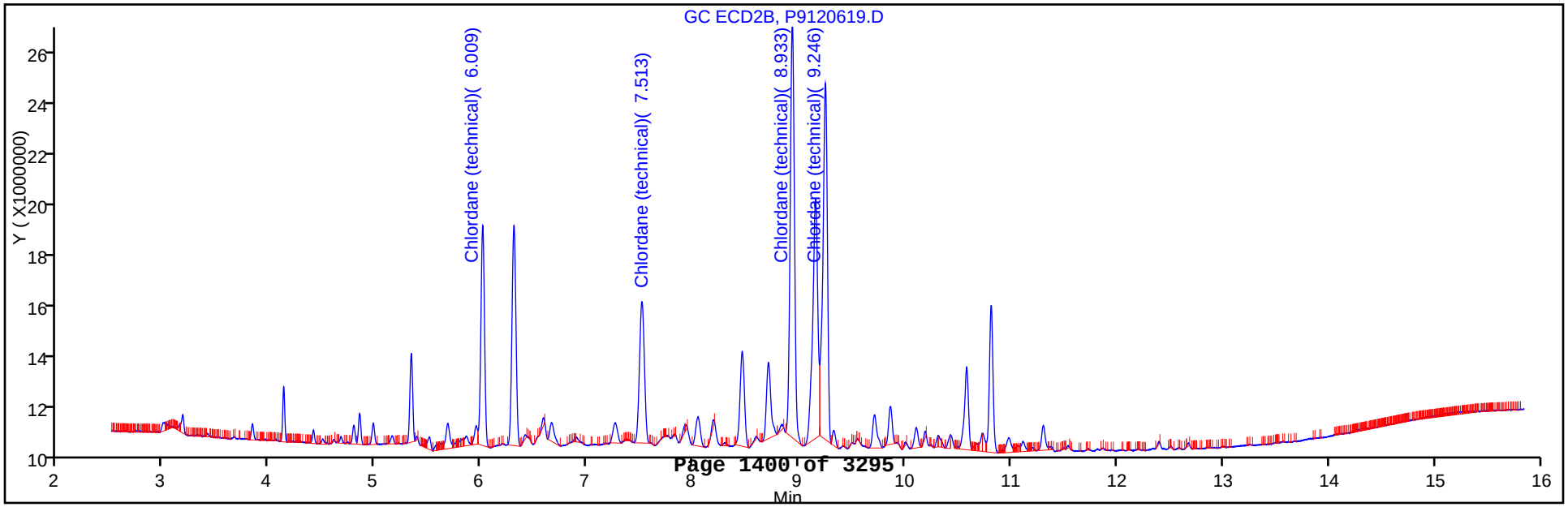
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120619.D

Injection Date:	06-Dec-2012 17:11:57	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	19
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120620.D
Lims ID: STD TC3 Client ID:
Inject. Date: 06-Dec-2012 17:39:59 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0015581-020
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 20
Lims Batch ID: 67554 Lims Sample ID: 20
Sublist: chrom-PEST9*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\PEST9.m
Last Update: 07-Dec-2012 10:25:53 Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

First Level Reviewer: vandorenc Date: 07-Dec-2012 08:34:01

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									M
1	100	5.078	5.078	0.000	12354755	0.0956		100.0	M
1	2	5.928	5.928	0.000	10916027	0.0928	68.4- 108.4	88.4	A
1	3	7.172	7.172	0.000	38228474	0.0989	289.4- 329.4	309.4	A
1	4	7.519	7.519	0.000	60015836	0.0995	465.8- 505.8	485.8	A
			Average of Peak Amounts =			0.0967			
2	100	6.010	6.010	0.000	67976568	0.1380		100.0	M
2	2	7.508	7.508	0.000	19289472	0.0634	8.4- 48.4	28.4	M
2	3	8.931	8.931	0.000	82431171	0.0912	101.3- 141.3	121.3	A
2	4	9.244	9.244	0.000	63109391	0.0779	72.8- 112.8	92.8	A
			Average of Peak Amounts =			0.0926			
						RPD = 4.34			

QC Flag Legend

Review Flags
M - Manually Integrated

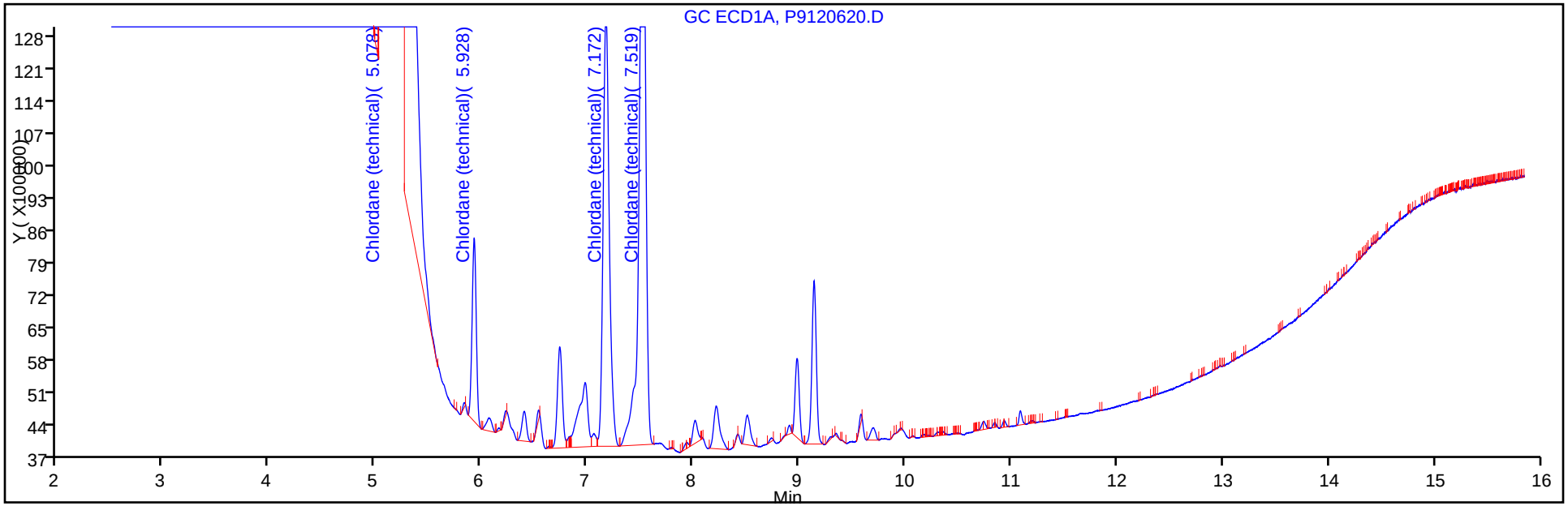
Report Date: 07-Dec-2012 10:25:55 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

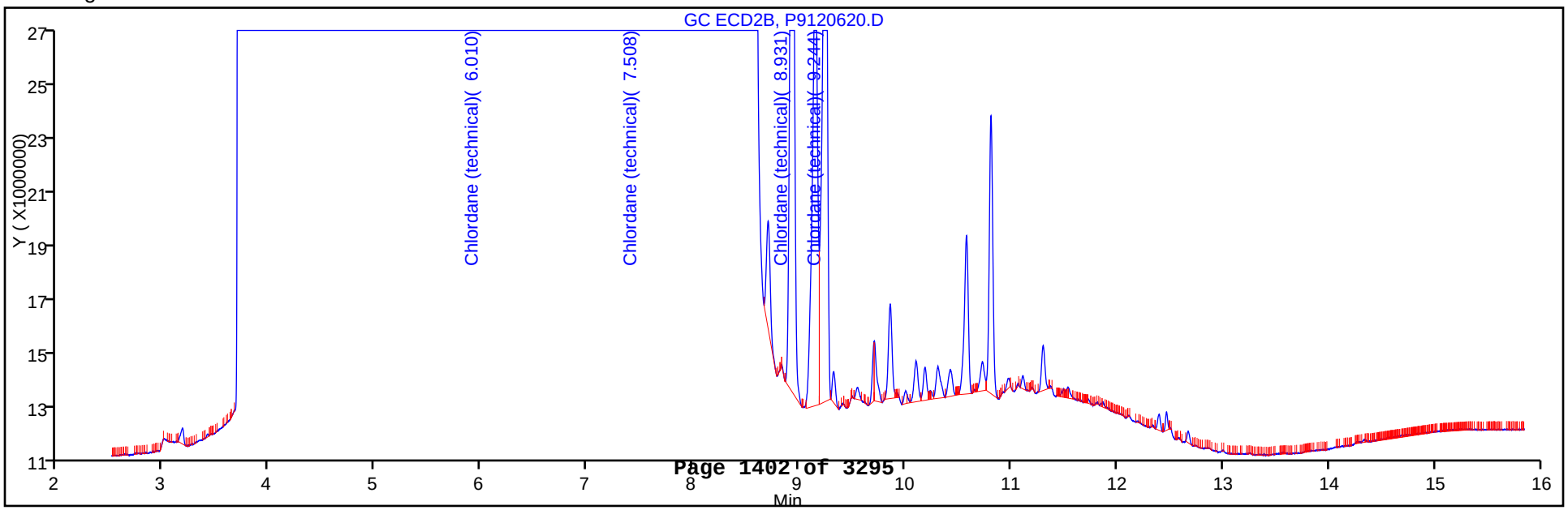
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120620.D

Injection Date:	06-Dec-2012 17:39:59	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	20
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



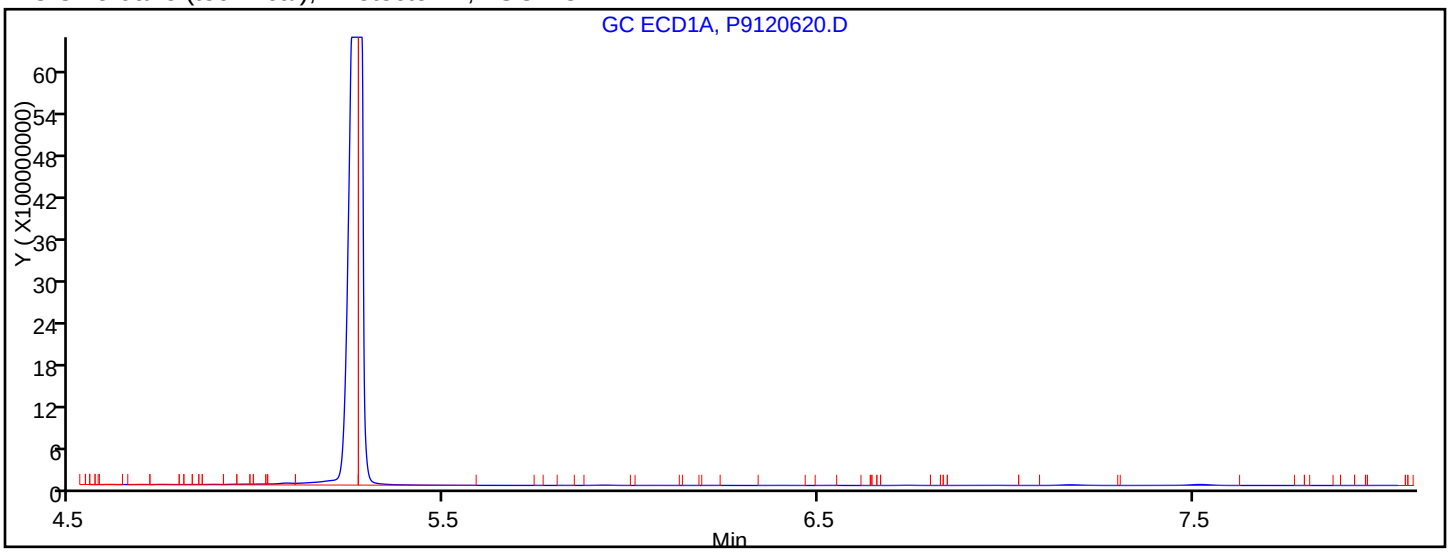
Report Date: 07-Dec-2012 10:25:55 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

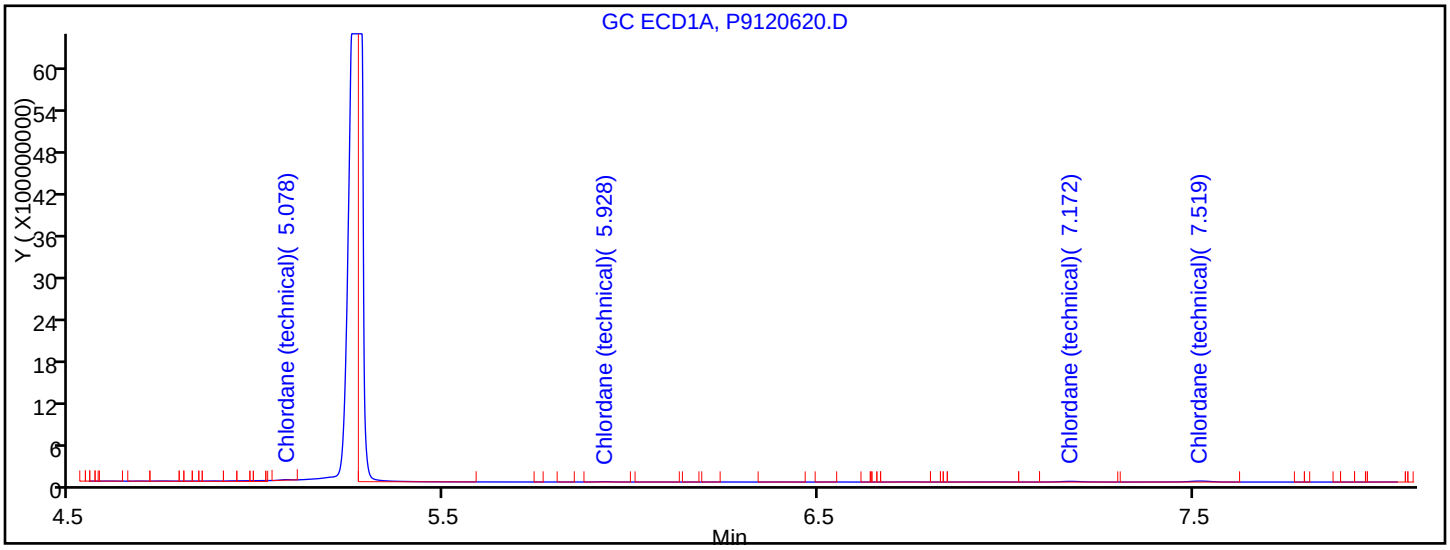
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120620.D

Injection Date:	06-Dec-2012 17:39:59	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	20
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

8 Chlordane (technical), Detector: 1, GC ECD1A



Processing Integration Results



Manual Integration Results

RT = 5.078	Response = 12354755	M
RT = 5.928	Response = 10916027	M
RT = 7.172	Response = 38228474	M
RT = 7.519	Response = 60015836	M

Reviewer: vandorenc, 07-Dec-2012 08:34:01

Audit Action: Assigned Compound ID

Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120621.D		
Lims ID:	STD TC4	Client ID:	
Inject. Date:	06-Dec-2012 18:08:05	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	240-0015581-021		
Misc. Info.:			
Operator:	093905	Instrument ID:	A2HP9
Injection Vol:	1.0 ul	ALS Bottle#:	21
Lims Batch ID:	67554	Lims Sample ID:	21
Sublist:	chrom-PEST9*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP9\20121206-15581.b\PEST9.m		
Last Update:	07-Dec-2012 10:25:56	Calib Date:	06-Dec-2012 18:34:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		

First Level Reviewer: vandorenc Date: 07-Dec-2012 08:34:49

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									M
1	100	5.076	5.078	-0.002	24661108	0.1909		100.0	M
1	2	5.928	5.928	0.000	25296249	0.2151	68.4- 108.4	102.6	
1	3	7.173	7.172	0.001	87243625	0.2258	289.4- 329.4	353.8	
1	4	7.520	7.519	0.001	137715133	0.2283	465.8- 505.8	558.4	
			Average of Peak Amounts =			0.2150			
2	100	6.005	6.010	-0.005	113930937	0.2312		100.0	M
2	2	7.510	7.508	0.002	51084990	0.1679	8.4- 48.4	44.8	M
2	3	8.932	8.931	0.001	180750725	0.2000	101.3- 141.3	158.6	
2	4	9.245	9.244	0.001	167872530	0.2071	72.8- 112.8	147.3	
			Average of Peak Amounts =			0.2016			
						RPD = 6.46			

QC Flag Legend

Review Flags
M - Manually Integrated

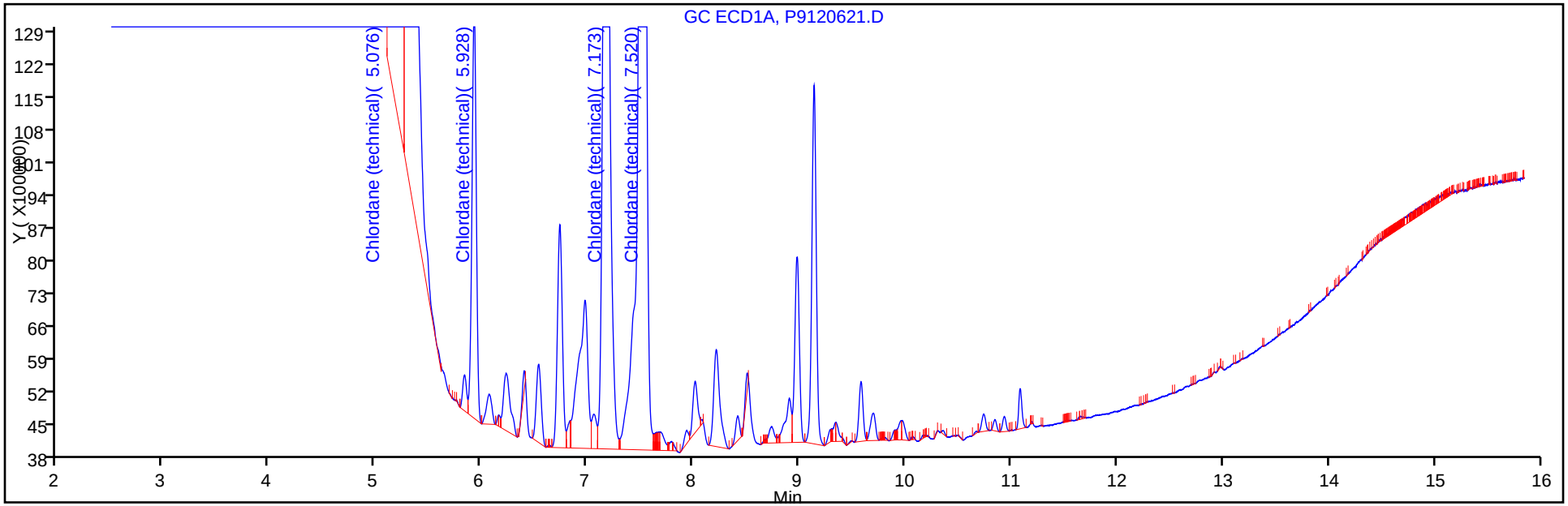
Report Date: 07-Dec-2012 10:25:58 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

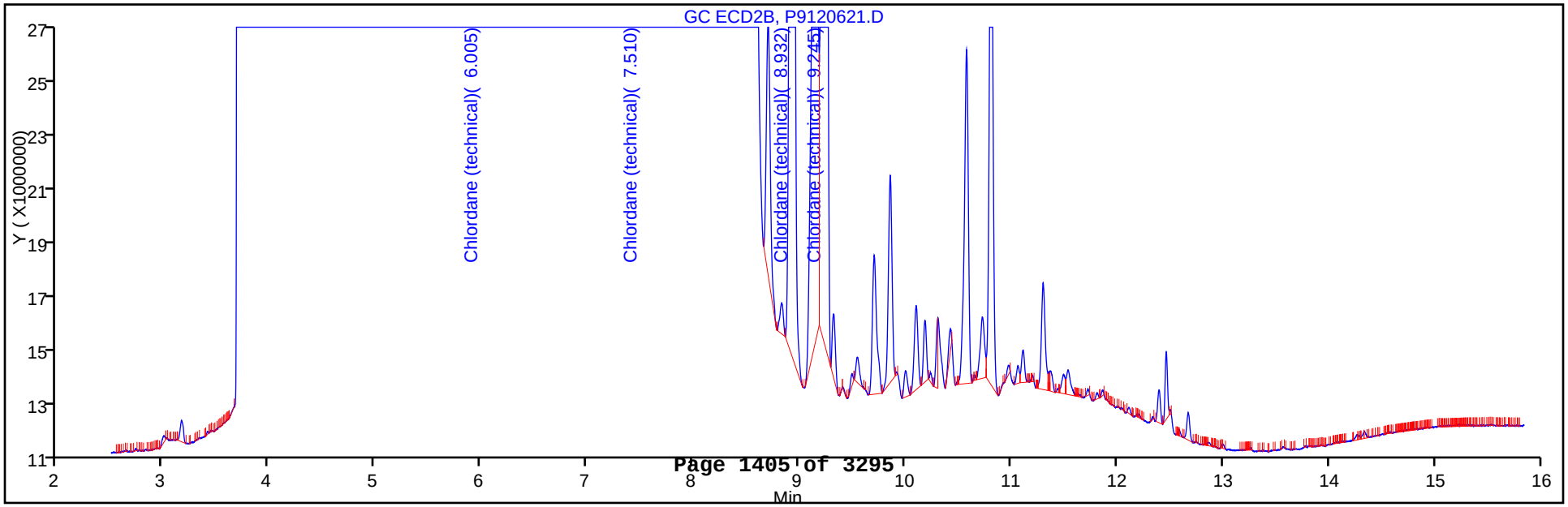
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120621.D

Injection Date:	06-Dec-2012 18:08:05	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	21
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



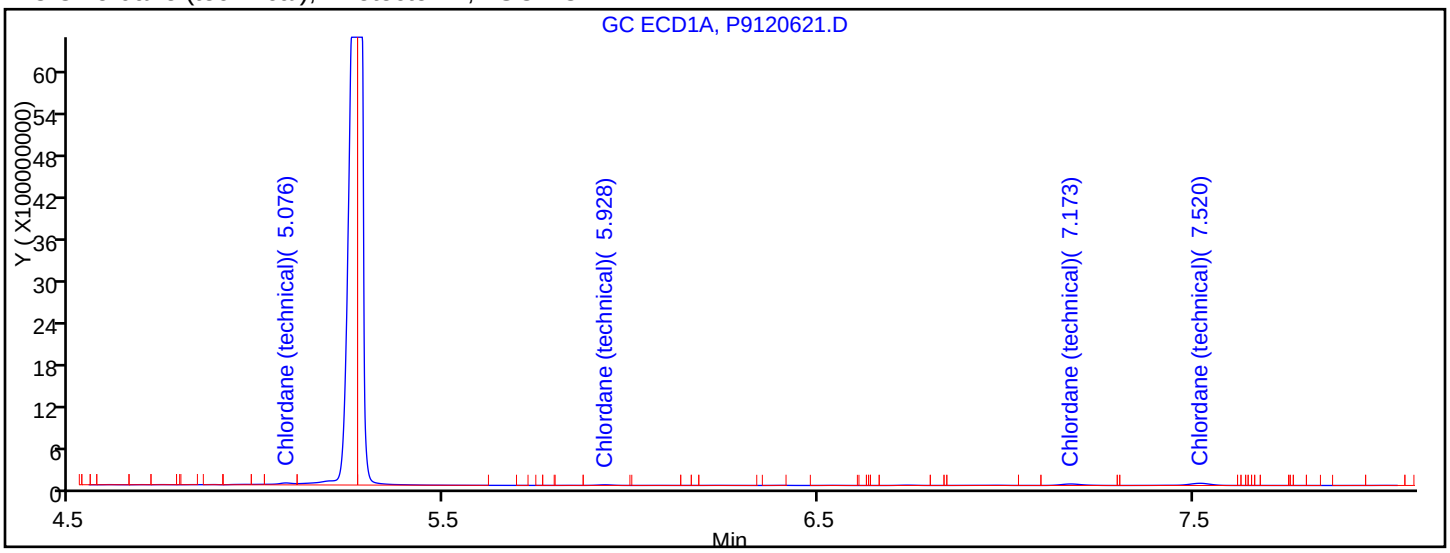
Report Date: 07-Dec-2012 10:25:58 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120621.D

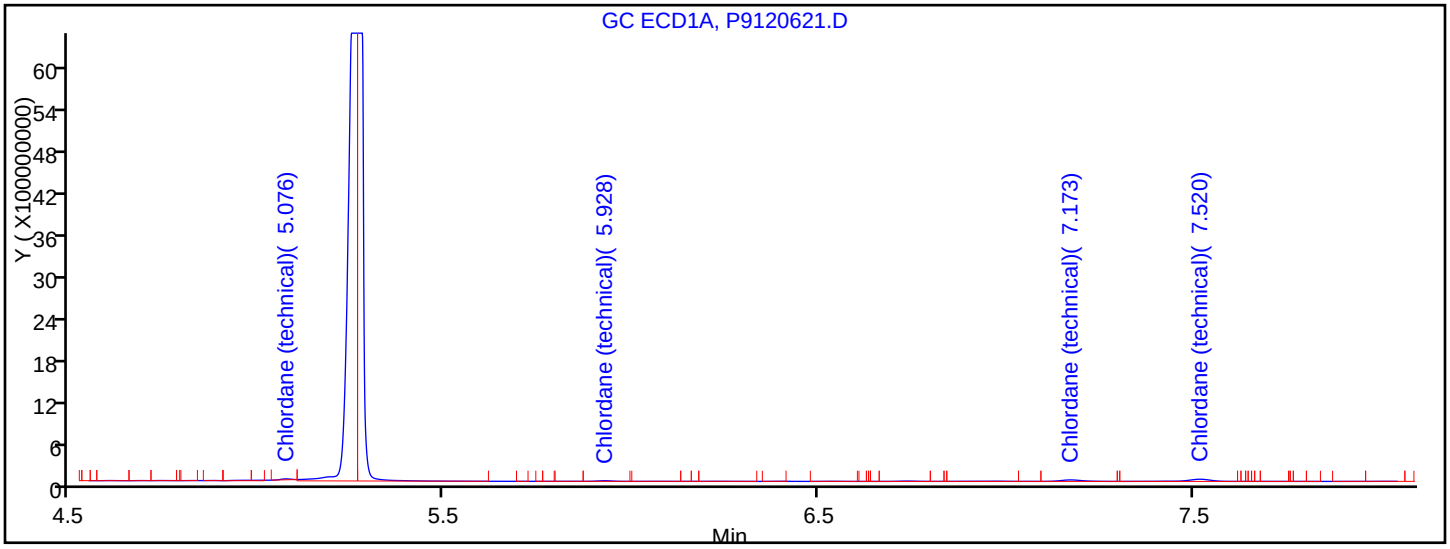
Injection Date:	06-Dec-2012 18:08:05	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	21
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

8 Chlordane (technical), Detector: 1, GC ECD1A



Processing Integration Results

RT = 5.076 Response = 89368665 M
RT = 5.928 Response = 25296249
RT = 7.173 Response = 87243625
RT = 7.520 Response = 137715133



Manual Integration Results

RT = 5.076 Response = 24661108 M
RT = 5.928 Response = 25296249
RT = 7.173 Response = 87243625
RT = 7.520 Response = 137715133

Reviewer: vandorenc, 07-Dec-2012 08:34:49
Audit Action: Manually Integrated
Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D		
Lims ID:	STD TC5	Client ID:	
Inject. Date:	06-Dec-2012 18:34:08	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	240-0015581-022		
Misc. Info.:			
Operator:	093905	Instrument ID:	A2HP9
Injection Vol:	1.0 ul	ALS Bottle#:	22
Lims Batch ID:	67554	Lims Sample ID:	22
Sublist:	chrom-PEST9*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP9\20121206-15581.b\PEST9.m		
Last Update:	07-Dec-2012 10:25:59	Calib Date:	06-Dec-2012 18:34:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		

First Level Reviewer: vandorenc Date: 07-Dec-2012 08:35:22

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									M
1	100	5.072	5.078	-0.006	67696121	0.5241		100.0	
1	2	5.927	5.928	-0.001	56537170	0.4808	68.4- 108.4	83.5	M
1	3	7.170	7.172	-0.002	187175070	0.4844	289.4- 329.4	276.5	
1	4	7.519	7.519	0.000	293185434	0.4861	465.8- 505.8	433.1	
			Average of Peak Amounts =			0.4938			
2	100	6.007	6.010	-0.003	185629716	0.3768		100.0	
2	2	7.509	7.508	0.001	148907701	0.4895	8.4- 48.4	80.2	M
2	3	8.932	8.931	0.001	461978780	0.5112	101.3- 141.3	248.9	
2	4	9.244	9.244	0.000	411638680	0.5079	72.8- 112.8	221.8	
			Average of Peak Amounts =			0.4714			
						RPD = 4.66			

QC Flag Legend

Review Flags
M - Manually Integrated

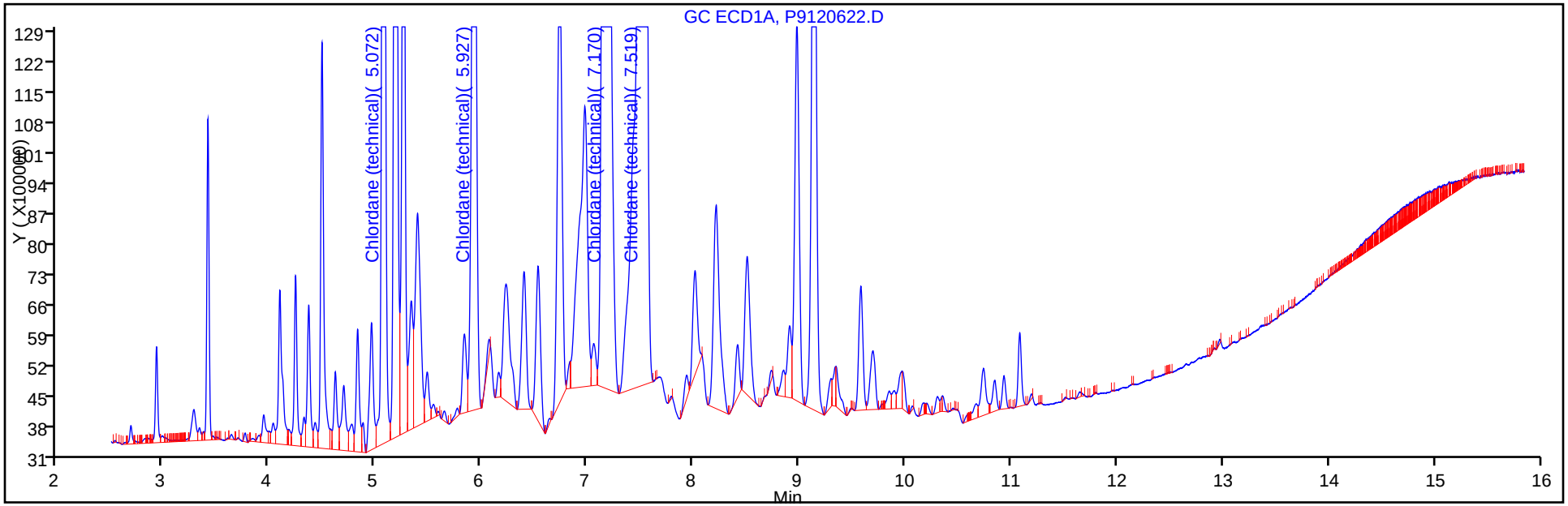
Report Date: 07-Dec-2012 10:26:01 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

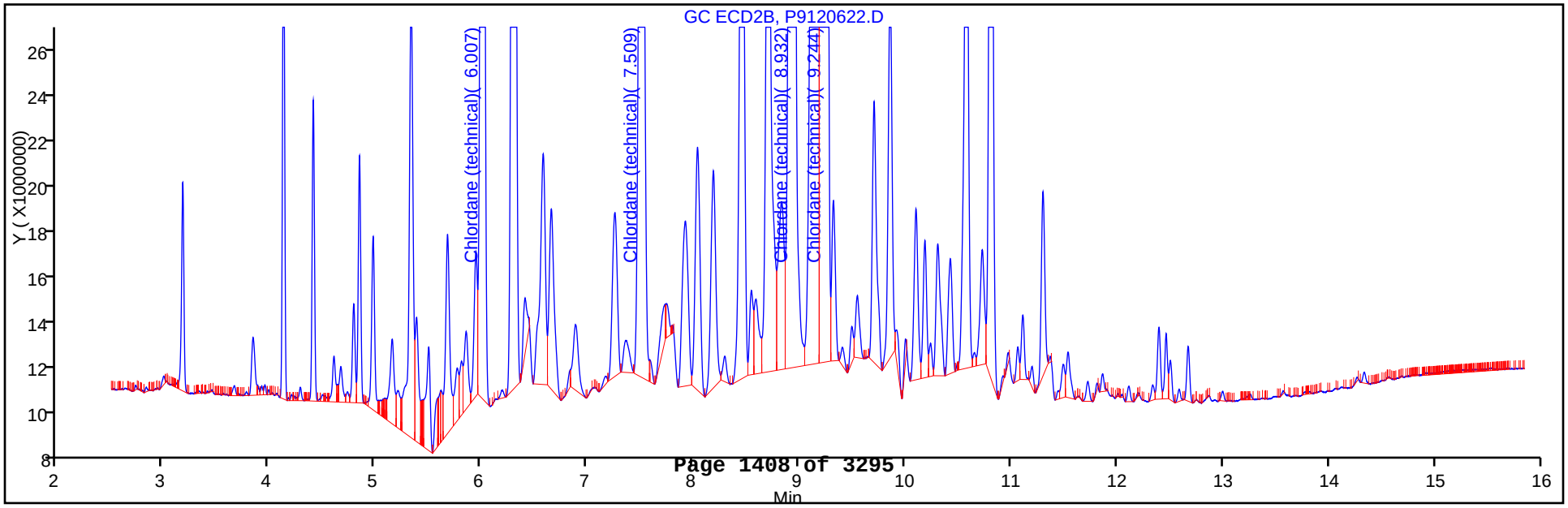
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D

Injection Date:	06-Dec-2012 18:34:08	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	22
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



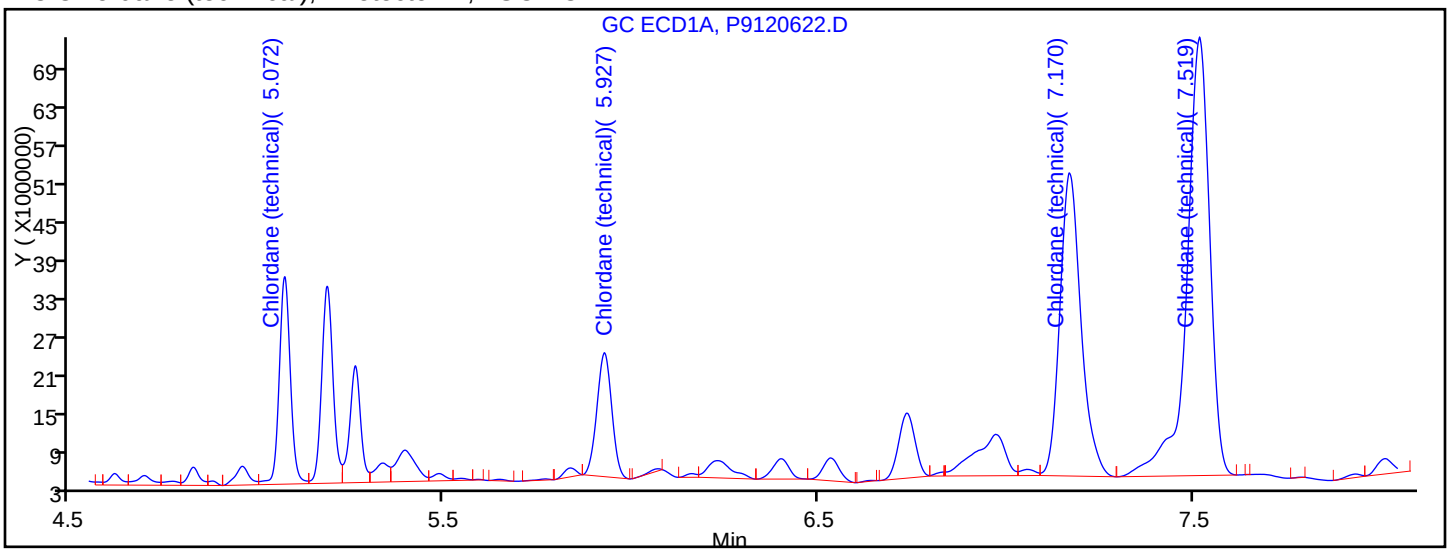
Report Date: 07-Dec-2012 10:26:01 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D

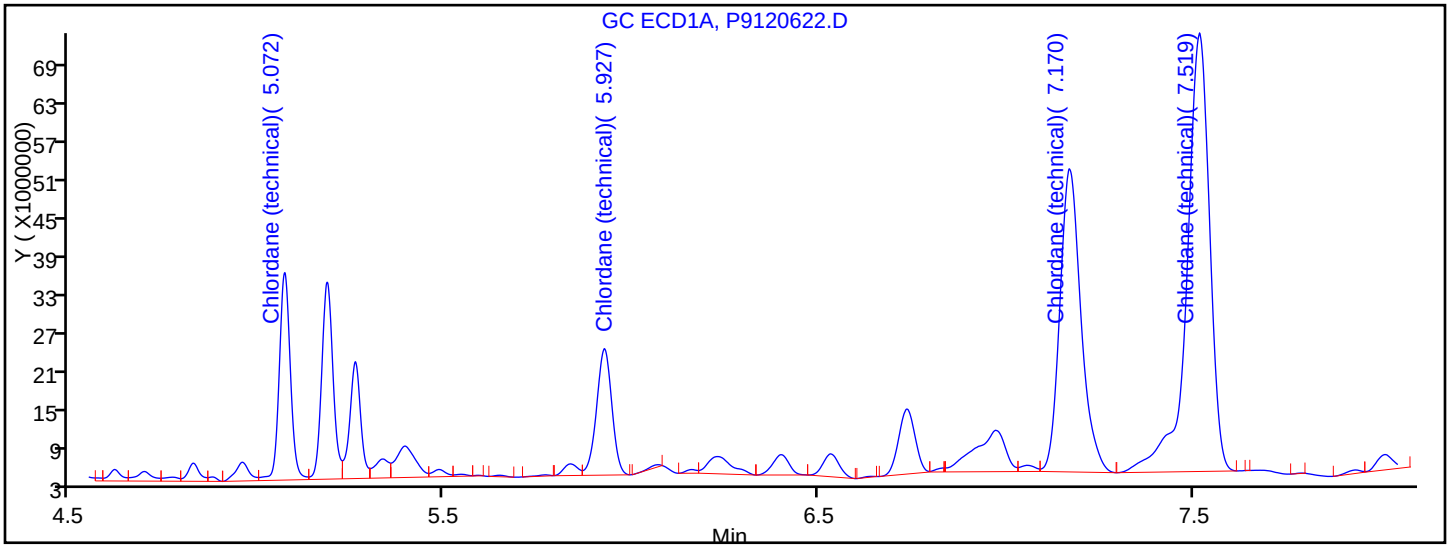
Injection Date:	06-Dec-2012 18:34:08	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	22
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

8 Chlordane (technical), Detector: 1, GC ECD1A



Processing Integration Results

RT = 5.072	Response = 67696121	
RT = 5.927	Response = 53693345	M
RT = 7.170	Response = 187175070	
RT = 7.519	Response = 293185434	



Manual Integration Results

RT = 5.072	Response = 67696121	
RT = 5.927	Response = 56537170	M
RT = 7.170	Response = 187175070	
RT = 7.519	Response = 293185434	

Reviewer: vandorenc, 07-Dec-2012 08:42:58

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 67554

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/06/2012 16:43 Calibration End Date: 12/06/2012 18:34 Calibration ID: 12719

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-67554/18	P9120618.D
Level 2	STD 240-67554/19	P9120619.D
Level 3	STD 240-67554/20	P9120620.D
Level 4	STD 240-67554/21	P9120621.D
Level 5	STD 240-67554/22	P9120622.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
Chlordane (technical) Peak 1	6.008	6.009	6.010	6.005	6.007						5.980 - 6.040	6.008
Chlordane (technical) Peak 2	7.515	7.513	7.508	7.510	7.509						7.478 - 7.538	7.511
Chlordane (technical) Peak 3	8.933	8.933	8.931	8.932	8.932						8.901 - 8.961	8.932
Chlordane (technical) Peak 4	9.245	9.246	9.244	9.245	9.244						9.214 - 9.274	9.245

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 67554

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/06/2012 16:43 Calibration End Date: 12/06/2012 18:34 Calibration ID: 12719

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-67554/18	P9120618.D
Level 2	STD 240-67554/19	P9120619.D
Level 3	STD 240-67554/20	P9120620.D
Level 4	STD 240-67554/21	P9120621.D
Level 5	STD 240-67554/22	P9120622.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
Chlordane (technical) Peak 1	423098200 371259432	419749200	679765680	569654685	Ave		492705439				26.0	*	20.0			
Chlordane (technical) Peak 2	408043750 297815402	366736120	192894720	255424950	Ave		304182988				28.0	*	20.0			
Chlordane (technical) Peak 3	940521150 923957560	925810980	824311710	903753625	Ave		903671005				5.1		20.0			
Chlordane (technical) Peak 4	905972350 823277360	852505880	631093910	839362650	Ave		810442430				13.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 67554

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/06/2012 16:43 Calibration End Date: 12/06/2012 18:34 Calibration ID: 12719

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-67554/18	P9120618.D
Level 2	STD 240-67554/19	P9120619.D
Level 3	STD 240-67554/20	P9120620.D
Level 4	STD 240-67554/21	P9120621.D
Level 5	STD 240-67554/22	P9120622.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Chlordane (technical) Peak 1	Ave	8461964	20987460	67976568	113930937	185629716	0.0200	0.0500	0.100	0.200	0.500
Chlordane (technical) Peak 2	Ave	8160875	18336806	19289472	51084990	148907701	0.0200	0.0500	0.100	0.200	0.500
Chlordane (technical) Peak 3	Ave	18810423	46290549	82431171	180750725	461978780	0.0200	0.0500	0.100	0.200	0.500
Chlordane (technical) Peak 4	Ave	18119447	42625294	63109391	167872530	411638680	0.0200	0.0500	0.100	0.200	0.500

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120618.D
Lims ID: STD TC1 Client ID:
Inject. Date: 06-Dec-2012 16:43:58 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0015581-018
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 18
Lims Batch ID: 67554 Lims Sample ID: 18
Sublist: chrom-PEST9*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\PEST9.m
Last Update: 07-Dec-2012 10:25:48 Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

First Level Reviewer: vandorenc Date: 07-Dec-2012 08:24:00

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									
1	100	5.075	5.078	-0.003	2620547	0.0203		100.0	
1	2	5.930	5.928	0.002	2415920	0.0205	68.4- 108.4	92.2	A
1	3	7.175	7.172	0.003	7282779	0.0188	289.4- 329.4	277.9	A
1	4	7.521	7.519	0.002	10864624	0.0180	465.8- 505.8	414.6	A
			Average of Peak Amounts =			0.0194			
2	100	6.008	6.010	-0.002	8461964	0.0172		100.0	
2	2	7.515	7.508	0.007	8160875	0.0268	8.4- 48.4	96.4	A
2	3	8.933	8.931	0.002	18810423	0.0208	101.3- 141.3	222.3	A
2	4	9.245	9.244	0.001	18119447	0.0224	72.8- 112.8	214.1	A
			Average of Peak Amounts =			0.0218			
						RPD = 11.50			

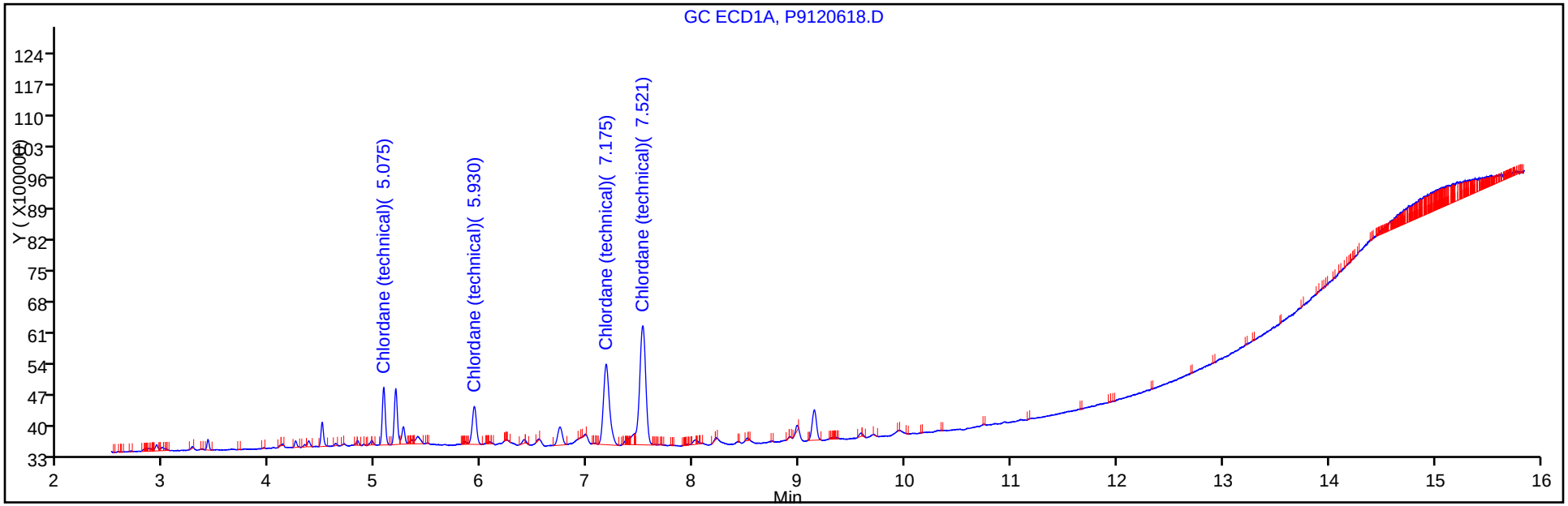
Report Date: 07-Dec-2012 10:25:50 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

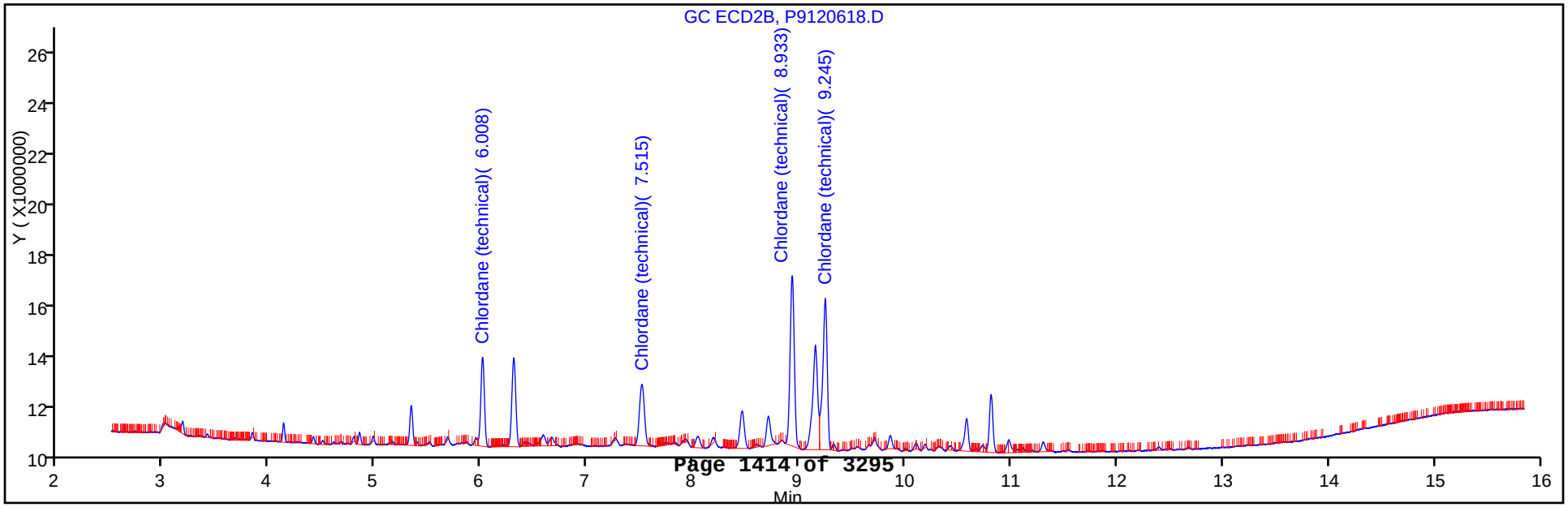
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120618.D

Injection Date:	06-Dec-2012 16:43:58	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	18
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120619.D
Lims ID: STD TC2 Client ID:
Inject. Date: 06-Dec-2012 17:11:57 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0015581-019
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 19
Lims Batch ID: 67554 Lims Sample ID: 19
Sublist: chrom-PEST9*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\PEST9.m
Last Update: 07-Dec-2012 10:25:51 Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

First Level Reviewer: vandorenc Date: 07-Dec-2012 08:24:45

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									
1	100	5.075	5.078	-0.003	6630305	0.0513		100.0	
1	2	5.931	5.928	0.003	5922825	0.0504	68.4- 108.4	89.3	A
1	3	7.177	7.172	0.005	18743978	0.0485	289.4- 329.4	282.7	A
1	4	7.522	7.519	0.003	29878094	0.0495	465.8- 505.8	450.6	A
			Average of Peak Amounts =			0.0499			
2	100	6.009	6.010	-0.001	20987460	0.0426		100.0	
2	2	7.513	7.508	0.005	18336806	0.0603	8.4- 48.4	87.4	A
2	3	8.933	8.931	0.002	46290549	0.0512	101.3- 141.3	220.6	A
2	4	9.246	9.244	0.002	42625294	0.0526	72.8- 112.8	203.1	A
			Average of Peak Amounts =			0.0517			
						RPD = 3.42			

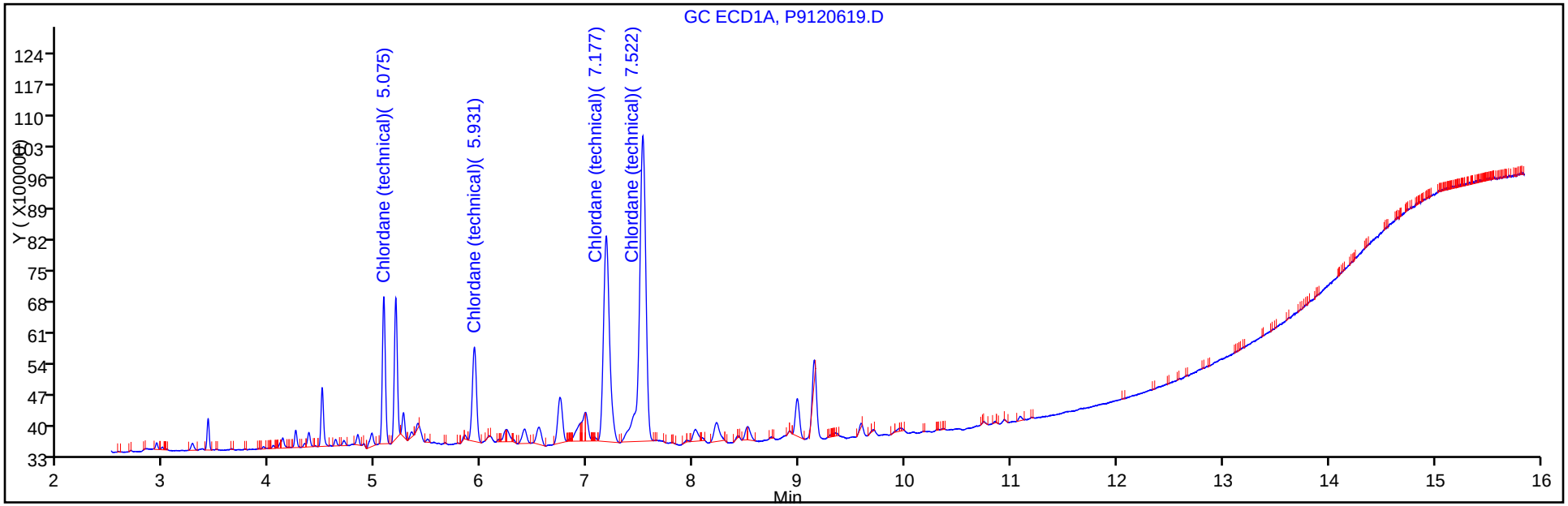
Report Date: 07-Dec-2012 10:25:53 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

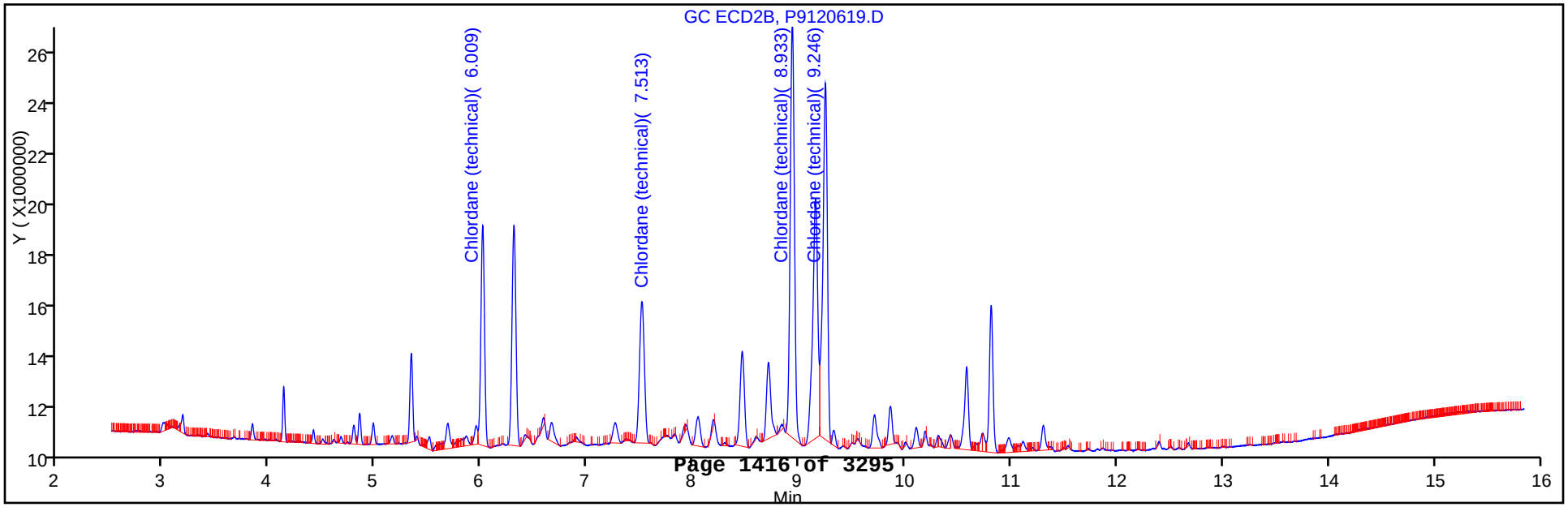
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120619.D

Injection Date:	06-Dec-2012 17:11:57	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	19
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120620.D		
Lims ID:	STD TC3	Client ID:	
Inject. Date:	06-Dec-2012 17:39:59	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	240-0015581-020		
Misc. Info.:			
Operator:	093905	Instrument ID:	A2HP9
Injection Vol:	1.0 ul	ALS Bottle#:	20
Lims Batch ID:	67554	Lims Sample ID:	20
Sublist:	chrom-PEST9*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP9\20121206-15581.b\PEST9.m		
Last Update:	07-Dec-2012 10:25:53	Calib Date:	06-Dec-2012 18:34:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		

First Level Reviewer: vandorenc Date: 07-Dec-2012 08:34:01

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									M
1	100	5.078	5.078	0.000	12354755	0.0956		100.0	M
1	2	5.928	5.928	0.000	10916027	0.0928	68.4- 108.4	88.4	A
1	3	7.172	7.172	0.000	38228474	0.0989	289.4- 329.4	309.4	A
1	4	7.519	7.519	0.000	60015836	0.0995	465.8- 505.8	485.8	A
			Average of Peak Amounts =			0.0967			
2	100	6.010	6.010	0.000	67976568	0.1380		100.0	M
2	2	7.508	7.508	0.000	19289472	0.0634	8.4- 48.4	28.4	M
2	3	8.931	8.931	0.000	82431171	0.0912	101.3- 141.3	121.3	A
2	4	9.244	9.244	0.000	63109391	0.0779	72.8- 112.8	92.8	A
			Average of Peak Amounts =			0.0926			
						RPD = 4.34			

QC Flag Legend

Review Flags
M - Manually Integrated

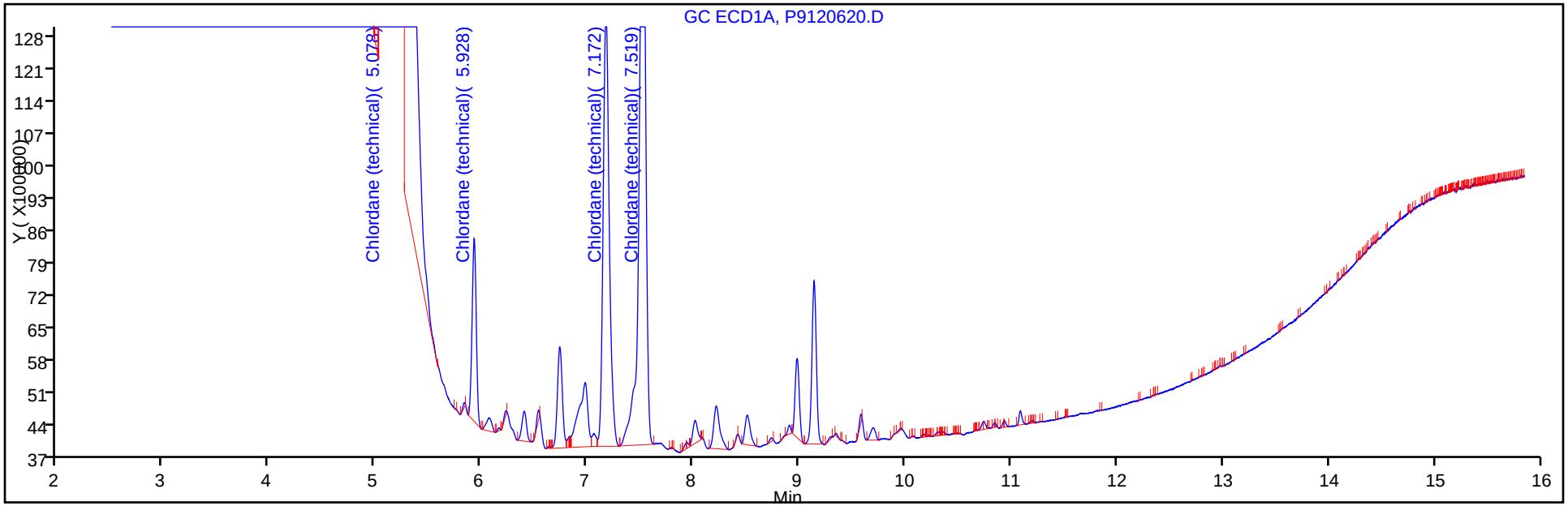
Report Date: 07-Dec-2012 10:25:55 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

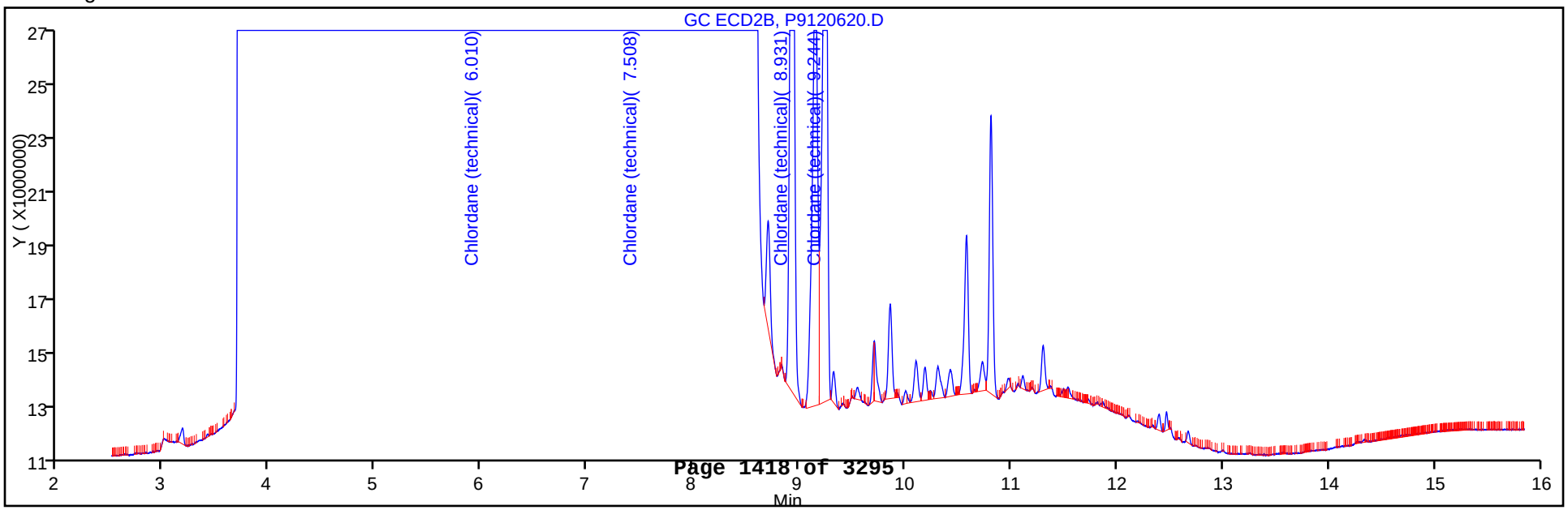
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120620.D

Injection Date:	06-Dec-2012 17:39:59	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	20
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



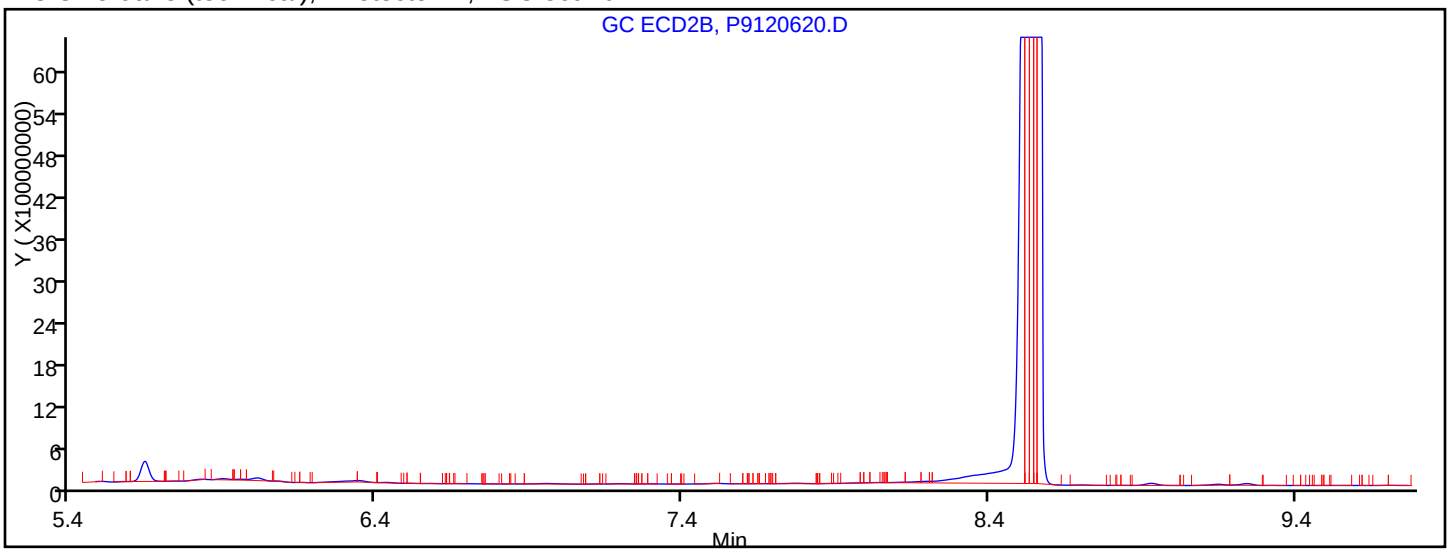
Report Date: 07-Dec-2012 10:25:55 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

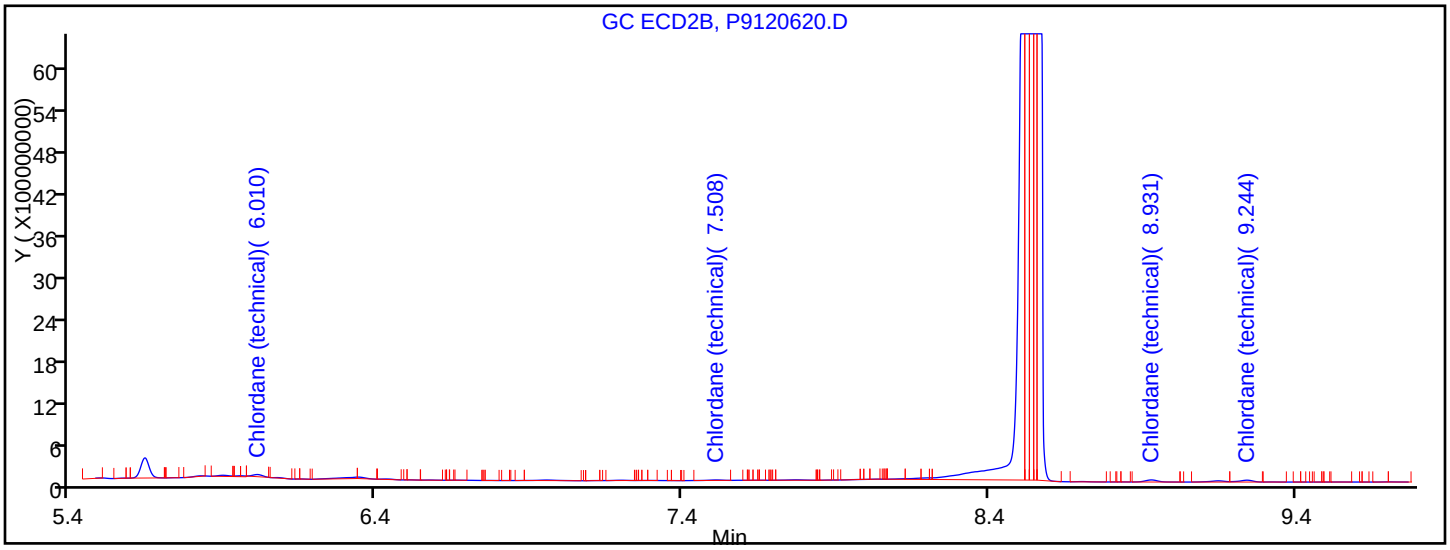
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120620.D

Injection Date:	06-Dec-2012 17:39:59	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	20
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

8 Chlordane (technical), Detector: 2, GC ecd2b



Processing Integration Results



Manual Integration Results

RT = 6.010	Response = 67976568	M
RT = 7.508	Response = 19289472	M
RT = 8.931	Response = 82431171	M
RT = 9.244	Response = 63109391	M

Reviewer: vandorenc, 07-Dec-2012 08:34:01

Audit Action: Assigned Compound ID

Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120621.D		
Lims ID:	STD TC4	Client ID:	
Inject. Date:	06-Dec-2012 18:08:05	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	240-0015581-021		
Misc. Info.:			
Operator:	093905	Instrument ID:	A2HP9
Injection Vol:	1.0 ul	ALS Bottle#:	21
Lims Batch ID:	67554	Lims Sample ID:	21
Sublist:	chrom-PEST9*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP9\20121206-15581.b\PEST9.m		
Last Update:	07-Dec-2012 10:25:56	Calib Date:	06-Dec-2012 18:34:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		

First Level Reviewer: vandorenc Date: 07-Dec-2012 08:34:49

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									M
1	100	5.076	5.078	-0.002	24661108	0.1909		100.0	M
1	2	5.928	5.928	0.000	25296249	0.2151	68.4- 108.4	102.6	
1	3	7.173	7.172	0.001	87243625	0.2258	289.4- 329.4	353.8	
1	4	7.520	7.519	0.001	137715133	0.2283	465.8- 505.8	558.4	
			Average of Peak Amounts =			0.2150			
2	100	6.005	6.010	-0.005	113930937	0.2312		100.0	M
2	2	7.510	7.508	0.002	51084990	0.1679	8.4- 48.4	44.8	M
2	3	8.932	8.931	0.001	180750725	0.2000	101.3- 141.3	158.6	
2	4	9.245	9.244	0.001	167872530	0.2071	72.8- 112.8	147.3	
			Average of Peak Amounts =			0.2016			
						RPD = 6.46			

QC Flag Legend

Review Flags
M - Manually Integrated

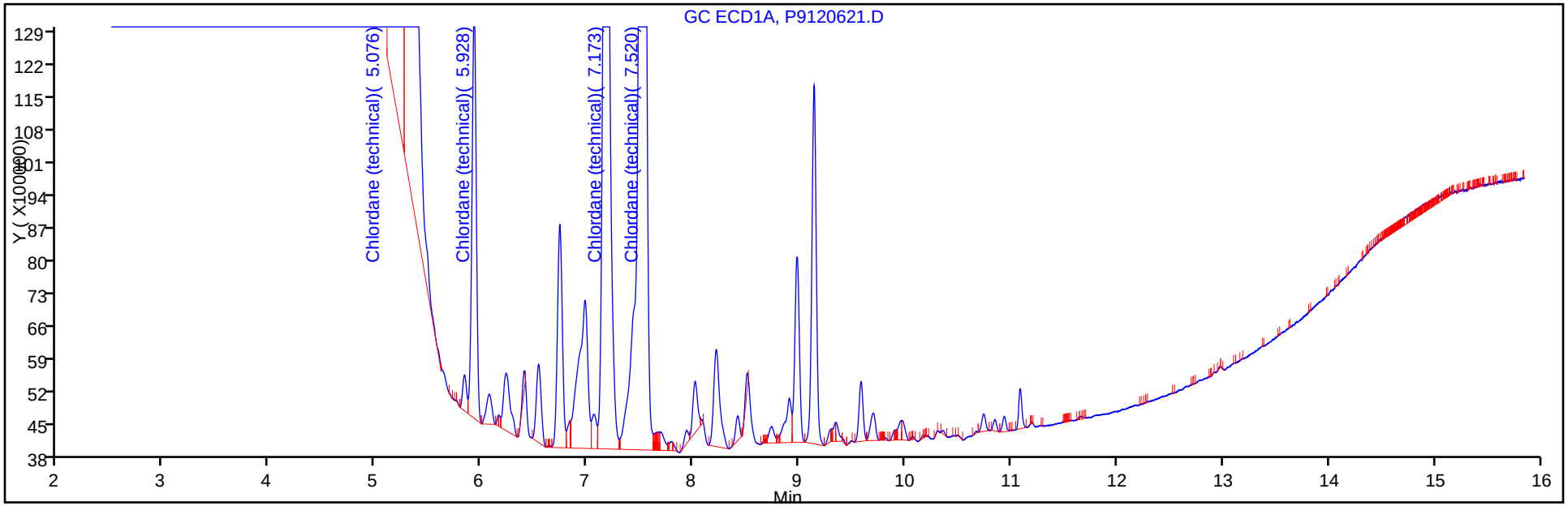
Report Date: 07-Dec-2012 10:25:58 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

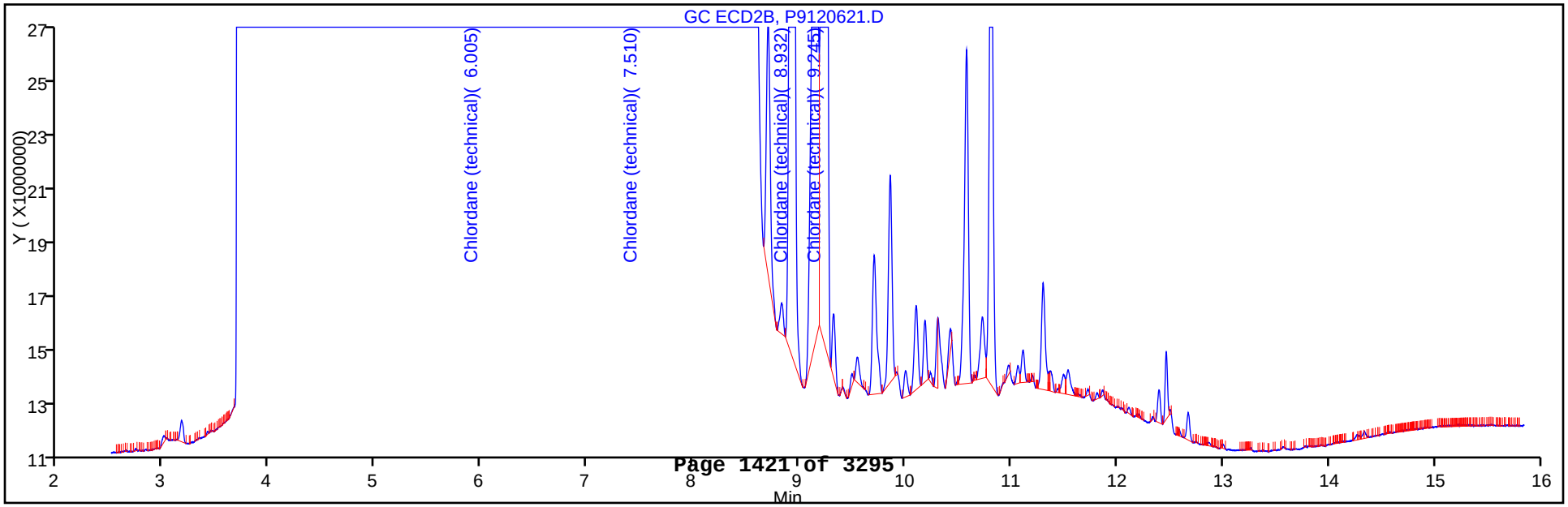
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120621.D

Injection Date:	06-Dec-2012 18:08:05	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	21
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



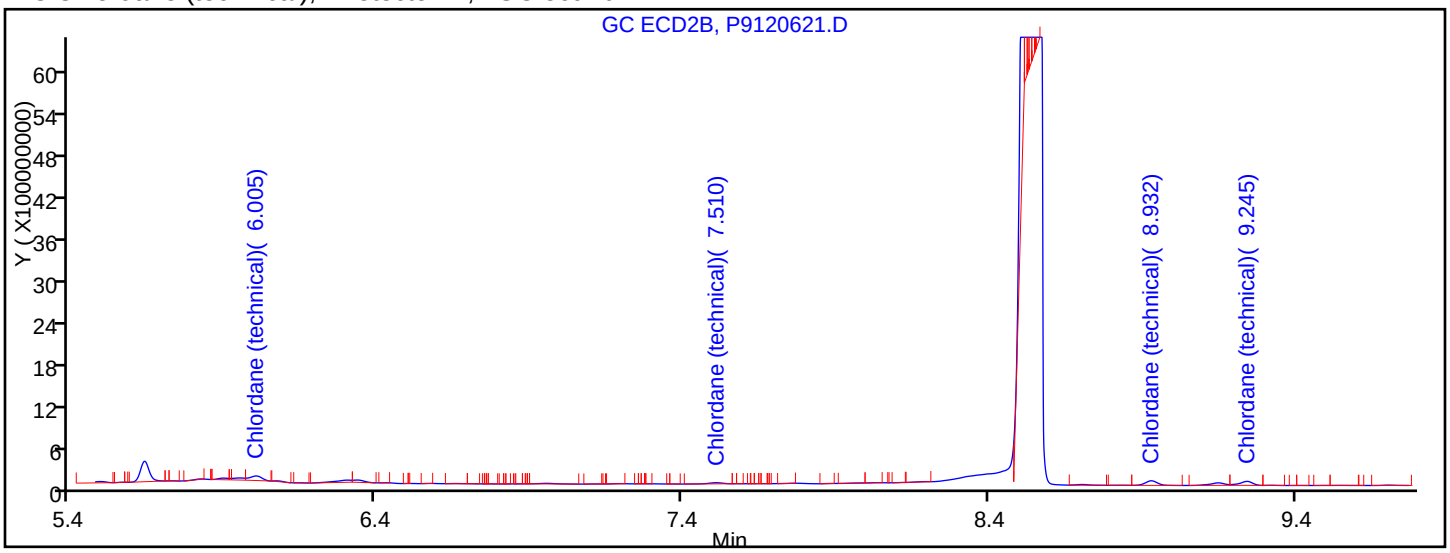
Report Date: 07-Dec-2012 10:25:58 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120621.D

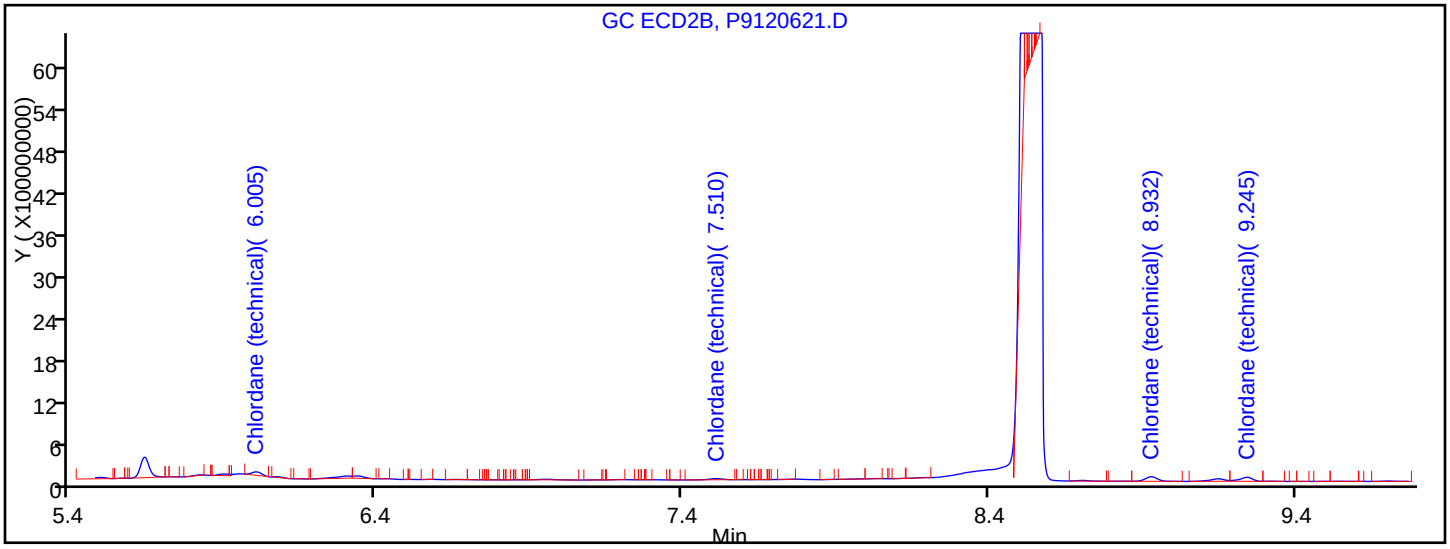
Injection Date:	06-Dec-2012 18:08:05	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	21
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

8 Chlordane (technical), Detector: 2, GC ecd2b



Processing Integration Results

RT = 6.005	Response = 181146312	M
RT = 7.510	Response = 51794835	M
RT = 8.932	Response = 180750725	
RT = 9.245	Response = 167872530	



Manual Integration Results

RT = 6.005	Response = 113930937	M
RT = 7.510	Response = 51084990	M
RT = 8.932	Response = 180750725	
RT = 9.245	Response = 167872530	

Reviewer: vandorenc, 07-Dec-2012 08:37:52

Audit Action: Manually Integrated

Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D		
Lims ID:	STD TC5	Client ID:	
Inject. Date:	06-Dec-2012 18:34:08	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	240-0015581-022		
Misc. Info.:			
Operator:	093905	Instrument ID:	A2HP9
Injection Vol:	1.0 ul	ALS Bottle#:	22
Lims Batch ID:	67554	Lims Sample ID:	22
Sublist:	chrom-PEST9*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP9\20121206-15581.b\PEST9.m		
Last Update:	07-Dec-2012 10:25:59	Calib Date:	06-Dec-2012 18:34:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		

First Level Reviewer: vandorenc Date: 07-Dec-2012 08:35:22

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									M
1	100	5.072	5.078	-0.006	67696121	0.5241		100.0	
1	2	5.927	5.928	-0.001	56537170	0.4808	68.4- 108.4	83.5	M
1	3	7.170	7.172	-0.002	187175070	0.4844	289.4- 329.4	276.5	
1	4	7.519	7.519	0.000	293185434	0.4861	465.8- 505.8	433.1	
			Average of Peak Amounts =			0.4938			
2	100	6.007	6.010	-0.003	185629716	0.3768		100.0	
2	2	7.509	7.508	0.001	148907701	0.4895	8.4- 48.4	80.2	M
2	3	8.932	8.931	0.001	461978780	0.5112	101.3- 141.3	248.9	
2	4	9.244	9.244	0.000	411638680	0.5079	72.8- 112.8	221.8	
			Average of Peak Amounts =			0.4714			
						RPD = 4.66			

QC Flag Legend

Review Flags
M - Manually Integrated

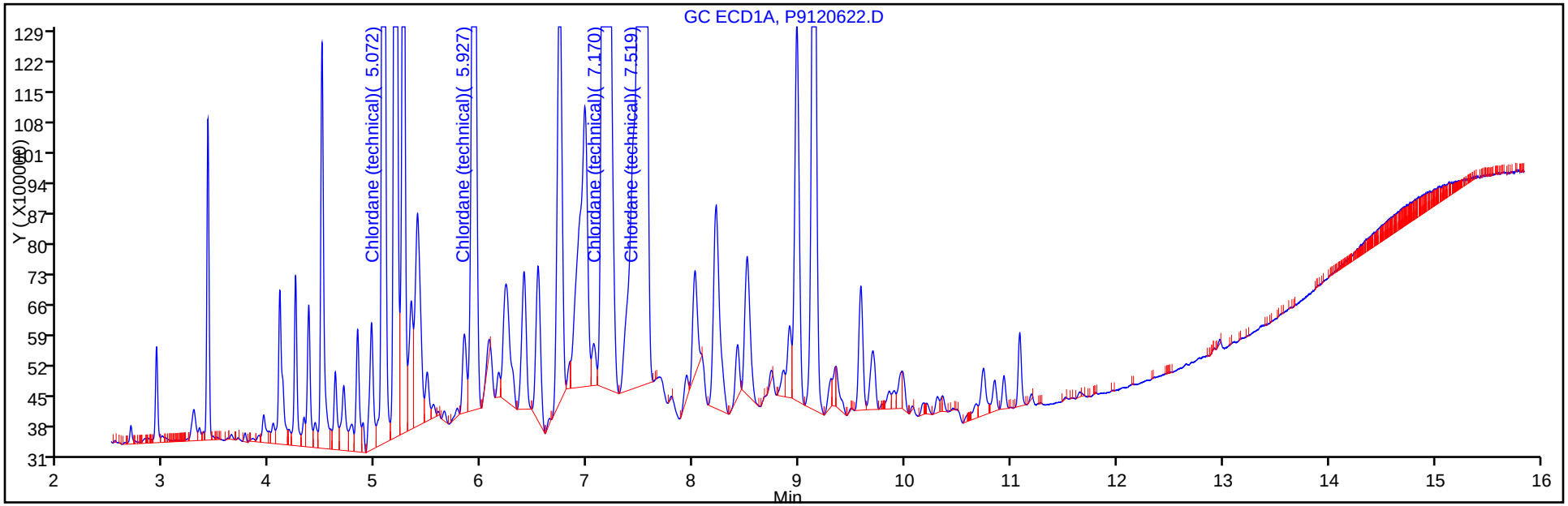
Report Date: 07-Dec-2012 10:26:01 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

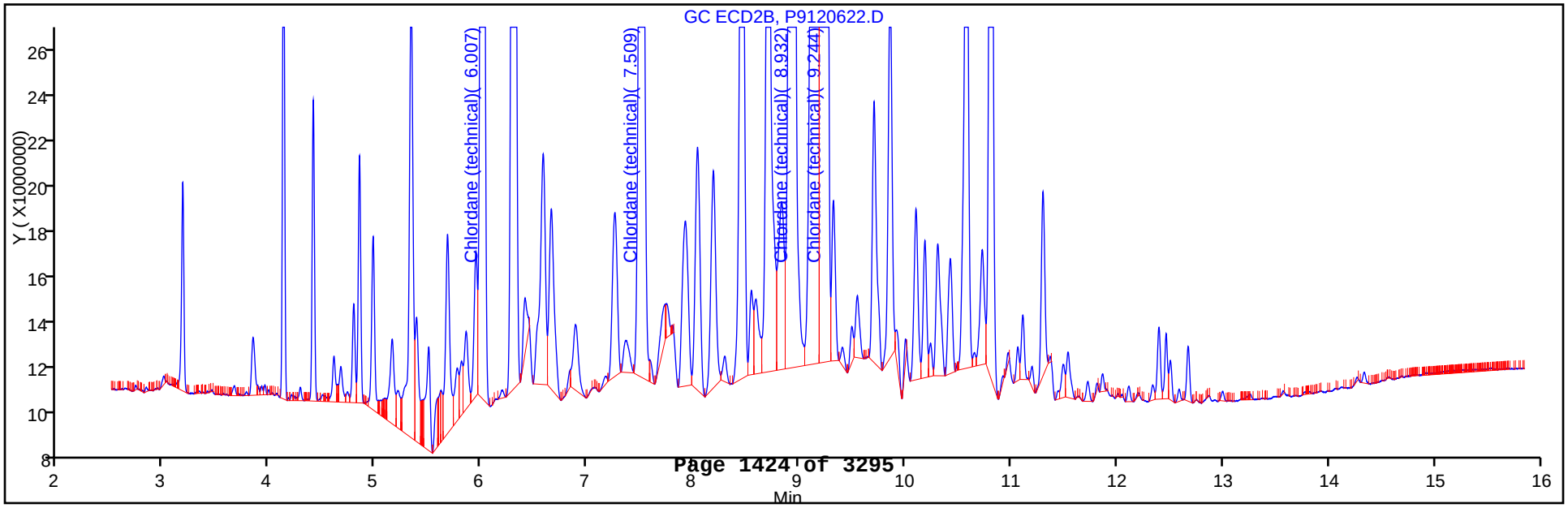
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D

Injection Date:	06-Dec-2012 18:34:08	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	22
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



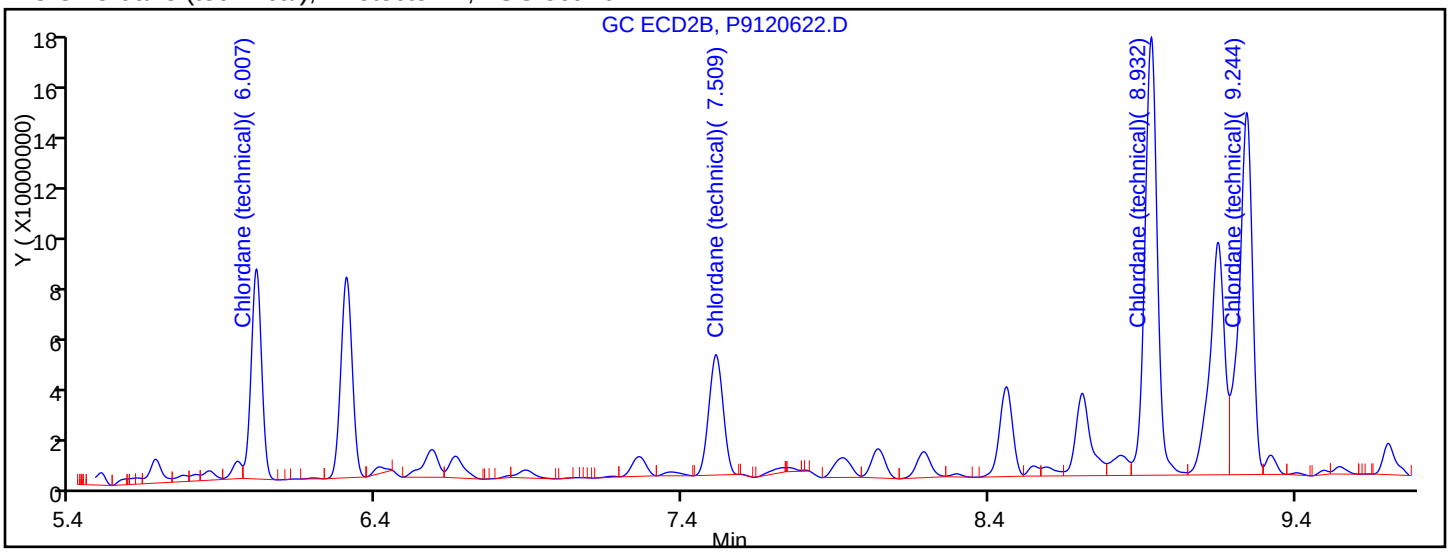
Report Date: 07-Dec-2012 10:26:01 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D

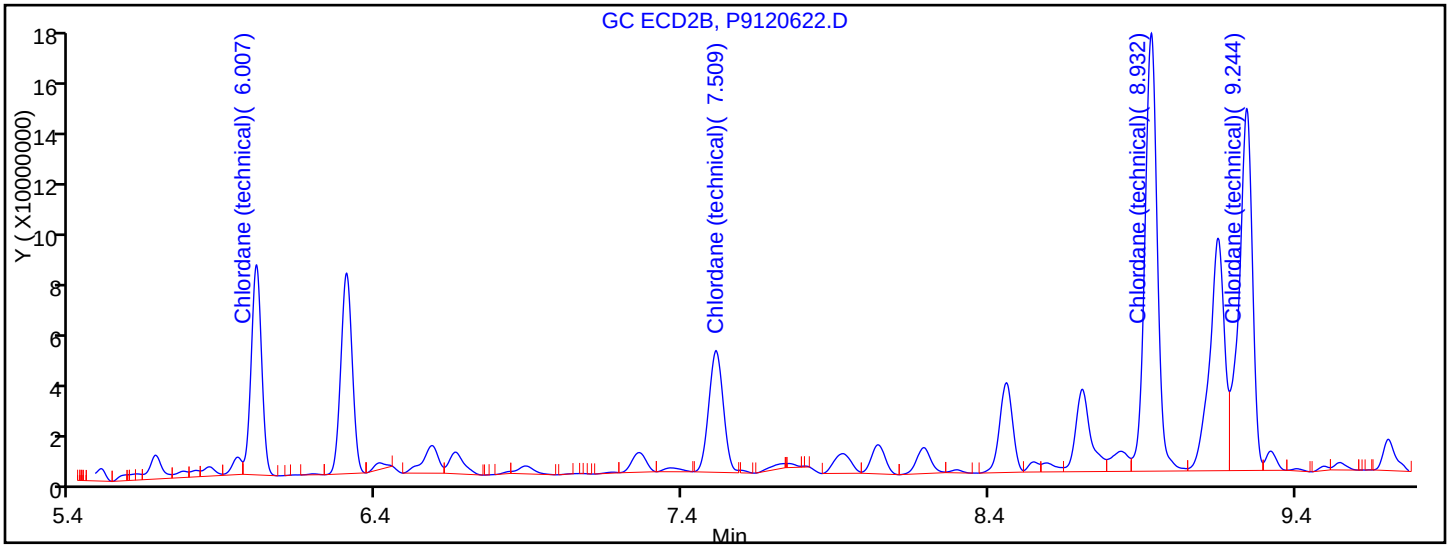
Injection Date:	06-Dec-2012 18:34:08	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	22
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

8 Chlordane (technical), Detector: 2, GC ecd2b



Processing Integration Results

RT = 6.007	Response = 185629716	
RT = 7.509	Response = 144537652	M
RT = 8.932	Response = 461978780	
RT = 9.244	Response = 411638680	



Manual Integration Results

RT = 6.007	Response = 185629716	
RT = 7.509	Response = 148907701	M
RT = 8.932	Response = 461978780	
RT = 9.244	Response = 411638680	

Reviewer: vandorenc, 07-Dec-2012 08:42:58

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 69893

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/22/2012 13:11 Calibration End Date: 12/22/2012 15:13 Calibration ID: 13014

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-69893/5	P9122205.D
Level 2	STD 240-69893/6	P9122206.D
Level 3	STD 240-69893/7	P9122207.D
Level 4	STD 240-69893/8	P9122208.D
Level 5	STD 240-69893/9	P9122209.D
Level 6	STD 240-69893/10	P9122210.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
alpha-BHC	4.182	4.181	4.182	4.181	4.180	4.181					4.152 - 4.212	4.181
gamma-BHC (Lindane)	4.559	4.556	4.557	4.557	4.557	4.556					4.527 - 4.587	4.557
beta-BHC	4.691	4.688	4.689	4.690	4.688	4.688					4.659 - 4.719	4.689
delta-BHC	4.905	4.902	4.902	4.903	4.901	4.901					4.872 - 4.932	4.902
Heptachlor	5.185	5.182	5.183	5.183	5.182	5.182					5.148 - 5.218	5.183
Aldrin	5.636	5.633	5.633	5.633	5.633	5.633					5.603 - 5.663	5.634
Heptachlor epoxide	6.864	6.859	6.860	6.860	6.859	6.859					6.830 - 6.890	6.860
gamma-Chlordane	7.168	7.164	7.166	7.167	7.164	7.166					7.136 - 7.196	7.166
alpha-Chlordane	7.519	7.515	7.516	7.516	7.513	7.516					7.486 - 7.546	7.516
Endosulfan I	7.797	7.793	7.794	7.795	7.793	7.793					7.764 - 7.824	7.794
4,4'-DDE	7.902	7.899	7.899	7.896	7.896	7.896					7.869 - 7.929	7.898
Dieldrin	8.362	8.360	8.361	8.361	8.358	8.359					8.331 - 8.391	8.360
Endrin	8.820	8.819	8.818	8.819	8.818	8.817					8.788 - 8.848	8.819
4,4'-DDD	9.191	9.185	9.185	9.184	9.183	9.182					9.155 - 9.215	9.185
Endosulfan II	9.273	9.269	9.269	9.270	9.271	9.267					9.239 - 9.299	9.270
4,4'-DDT	9.709	9.705	9.706	9.708	9.704	9.706					9.676 - 9.736	9.706
Endrin aldehyde	10.068	10.065	10.065	10.067	10.065	10.065					10.035 - 10.095	10.066
Methoxychlor	10.664	10.660	10.659	10.659	10.658	10.656					10.629 - 10.689	10.659
Endosulfan sulfate	10.791	10.788	10.789	10.790	10.788	10.789					10.759 - 10.819	10.789
Endrin ketone	11.191	11.189	11.188	11.190	11.189	11.188					11.158 - 11.218	11.189
Tetrachloro-m-xylene	3.501	3.499	3.499	3.499	3.498	3.498					3.469 - 3.529	3.499
DCB Decachlorobiphenyl	12.802	12.801	12.802	12.800	12.800	12.801					12.772 - 12.832	12.801

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 69893

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/22/2012 13:11 Calibration End Date: 12/22/2012 15:13 Calibration ID: 13014

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-69893/5	P9122205.D
Level 2	STD 240-69893/6	P9122206.D
Level 3	STD 240-69893/7	P9122207.D
Level 4	STD 240-69893/8	P9122208.D
Level 5	STD 240-69893/9	P9122209.D
Level 6	STD 240-69893/10	P9122210.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
alpha-BHC	3839716800 3818223650	3488684600 3840708835	3889024240	3982567560	Ave		3809820948				4.4		20.0			
gamma-BHC (Lindane)	3167027200 3087702660	2906343800 3181155535	3152465480	3198675960	Ave		3115561773				3.5		20.0			
beta-BHC	1486772600 1304205040	1307439700 1302221135	1352056160	1388087740	Ave		1356797063				5.3		20.0			
delta-BHC	3267766600 3442311240	3056045600 3435925600	3447441720	3605977520	Ave		3375911380				5.6		20.0			
Heptachlor	2867950200 2594526660	2724477100 2679002455	2796003520	2800988080	Ave		2743824669				3.6		20.0			
Aldrin	3899331600 3428876710	3378049900 3316308855	3634443160	3676625960	Ave		3555606031				6.2		20.0			
Heptachlor epoxide	2933378400 2567079080	2691231200 2601234880	2810001800	2724722040	Ave		2721274567				5.0		20.0			
gamma-Chlordane	3202120000 2975626770	2925314900 3062176015	3118688520	3095260680	Ave		3063197814				3.3		20.0			
alpha-Chlordane	3372705000 3048408380	3018639300 3106475915	3219372280	3182119100	Ave		3157953329				4.1		20.0			
Endosulfan I	2762502400 2413296620	2560137800 2444678325	2612908120	2558460400	Ave		2558663944				4.9		20.0			
4,4'-DDE	3558192200 3214665890	3110168000 3217641270	3323697960	3414697700	Ave		3306510503				4.9		20.0			
Dieldrin	2744709200 2581746380	2571566800 2615849000	2712655600	2703083340	Ave		2654935053				2.8		20.0			
Endrin	2605385400 2325550560	2448739900 2342236045	2503108920	2437704040	Ave		2443787478				4.3		20.0			
4,4'-DDD	1872060600 1888553900	1781206100 2004334645	1899783440	1895578400	Ave		1890252848				3.8		20.0			
Endosulfan II	2718501400 2381659030	2555348600 2398456965	2590656640	2514943420	Ave		2526594343				5.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 69893

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/22/2012 13:11 Calibration End Date: 12/22/2012 15:13 Calibration ID: 13014

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
4,4'-DDT	1757725600 1910777280	1725412100 2081806860	1905567000	1881273480	Ave		1877093720				6.8		20.0			
Endrin aldehyde	1930485000 1735564280	1848720700 1788379030	1900758000	1828234980	Ave		1838690332				3.9		20.0			
Methoxychlor	913632800 852580720	834322200 883590800	904641360	878509800	Ave		877879613				3.4		20.0			
Endosulfan sulfate	2330950600 2175085460	2160498100 2207148440	2297923880	2258796620	Ave		2238400517				3.1		20.0			
Endrin ketone	2518409200 2198987720	2344056900 2284246215	2401398640	2300994620	Ave		2341348883				4.7		20.0			
Tetrachloro-m-xylene	2975390400 2629432940	2632778800 2497974465	2788366280	2789259320	Ave		2718867034				6.1		20.0			
DCB Decachlorobiphenyl	2760238400 2420313980	2508622700 2506290295	2566090760	2554947140	Ave		2552750546				4.5		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 69893

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/22/2012 13:11 Calibration End Date: 12/22/2012 15:13 Calibration ID: 13014

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-69893/5	P9122205.D
Level 2	STD 240-69893/6	P9122206.D
Level 3	STD 240-69893/7	P9122207.D
Level 4	STD 240-69893/8	P9122208.D
Level 5	STD 240-69893/9	P9122209.D
Level 6	STD 240-69893/10	P9122210.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
alpha-BHC	Ave	19198584 768141767	34886846	97225606	199128378	381822365	0.00500 0.200	0.0100	0.0250	0.0500	0.100
gamma-BHC (Lindane)	Ave	15835136 636231107	29063438	78811637	159933798	308770266	0.00500 0.200	0.0100	0.0250	0.0500	0.100
beta-BHC	Ave	7433863 260444227	13074397	33801404	69404387	130420504	0.00500 0.200	0.0100	0.0250	0.0500	0.100
delta-BHC	Ave	16338833 687185120	30560456	86186043	180298876	344231124	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Heptachlor	Ave	14339751 535800491	27244771	69900088	140049404	259452666	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Aldrin	Ave	19496658 663261771	33780499	90861079	183831298	342887671	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Heptachlor epoxide	Ave	14666892 520246976	26912312	70250045	136236102	256707908	0.00500 0.200	0.0100	0.0250	0.0500	0.100
gamma-Chlordane	Ave	16010600 612435203	29253149	77967213	154763034	297562677	0.00500 0.200	0.0100	0.0250	0.0500	0.100
alpha-Chlordane	Ave	16863525 621295183	30186393	80484307	159105955	304840838	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endosulfan I	Ave	13812512 488935665	25601378	65322703	127923020	241329662	0.00500 0.200	0.0100	0.0250	0.0500	0.100
4,4'-DDE	Ave	17790961 643528254	31101680	83092449	170734885	321466589	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Dieldrin	Ave	13723546 523169800	25715668	67816390	135154167	258174638	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endrin	Ave	13026927 468447209	24487399	62577723	121885202	232555056	0.00500 0.200	0.0100	0.0250	0.0500	0.100
4,4'-DDD	Ave	9360303 400866929	17812061	47494586	94778920	188855390	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endosulfan II	Ave	13592507 479691393	25553486	64766416	125747171	238165903	0.00500 0.200	0.0100	0.0250	0.0500	0.100
4,4'-DDT	Ave	8788628 416361372	17254121	47639175	94063674	191077728	0.00500 0.200	0.0100	0.0250	0.0500	0.100

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 69893

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/22/2012 13:11 Calibration End Date: 12/22/2012 15:13 Calibration ID: 13014

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Endrin aldehyde	Ave	9652425 357675806	18487207	47518950	91411749	173556428	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Methoxychlor	Ave	4568164 176718160	8343222	22616034	43925490	85258072	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endosulfan sulfate	Ave	11654753 441429688	21604981	57448097	112939831	217508546	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endrin ketone	Ave	12592046 456849243	23440569	60034966	115049731	219898772	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Tetrachloro-m-xylene	Ave	14876952 499594893	26327788	69709157	139462966	262943294	0.00500 0.200	0.0100	0.0250	0.0500	0.100
DCB Decachlorobiphenyl	Ave	13801192 501258059	25086227	64152269	127747357	242031398	0.00500 0.200	0.0100	0.0250	0.0500	0.100

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122205.D
Lims ID: STD AB L1 Client ID:
Inject. Date: 22-Dec-2012 13:11:51 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0016122-005
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 69893 Lims Sample ID: 5
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\PEST9.m
Last Update: 31-Dec-2012 10:57:42 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK027

First Level Reviewer: vandorenc Date: 31-Dec-2012 10:43:55

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.501	3.499	0.002	14876952	0.005472			
2	100	4.089	4.089	0.000	45380358	0.005171			
						RPD = 5.65			
5 alpha-BHC									
1	100	4.182	4.182	0.000	19198584	0.005039			
2	100	4.913	4.913	0.000	59493681	0.004515			
						RPD = 10.98			
20 gamma-BHC (Lindane)									
1	100	4.559	4.557	0.002	15835136	0.005083			
2	100	5.469	5.467	0.002	49879707	0.004782			
						RPD = 6.10			
7 beta-BHC									
1	100	4.691	4.689	0.002	7433863	0.005479			
2	100	5.645	5.643	0.002	23846980	0.005466			
						RPD = 0.23			
11 delta-BHC									
1	100	4.905	4.902	0.003	16338833	0.004840			
2	100	6.192	6.192	0.000	49410144	0.004552			
						RPD = 6.13			
22 Heptachlor									
1	100	5.185	5.183	0.002	14339751	0.005226			
2	100	6.290	6.289	0.001	46687197	0.005303			
						RPD = 1.45			
4 Aldrin									
1	100	5.636	5.633	0.003	19496658	0.005483			
2	100	7.006	7.005	0.001	56146408	0.005280			
						RPD = 3.77			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.864	6.860	0.004	14666892	0.005390			
2	100	8.492	8.492	0.000	44116721	0.005287			
						RPD = 1.92			
21 gamma-Chlordane									
1	100	7.168	7.166	0.002	16010600	0.005227			
2	100	8.920	8.919	0.001	46868464	0.005248			
						RPD = 0.40			
6 alpha-Chlordane									
1	100	7.519	7.516	0.003	16863525	0.005340			
2	100	9.233	9.232	0.001	47466433	0.005364			
						RPD = 0.45			
14 Endosulfan I									
1	100	7.797	7.794	0.003	13812512	0.005398			
2	100	9.293	9.294	-0.001	38111528	0.005343			
						RPD = 1.03			
2 4,4'-DDE									
1	100	7.902	7.899	0.003	17790961	0.005381			
2	100	9.695	9.694	0.001	45113319	0.005218			
						RPD = 3.06			
13 Dieldrin									
1	100	8.362	8.361	0.001	13723546	0.005169			
2	100	9.830	9.829	0.001	40887928	0.005156			
						RPD = 0.26			
17 Endrin									
1	100	8.820	8.818	0.002	13026927	0.005331			
2	100	10.353	10.351	0.002	36002396	0.005111			
						RPD = 4.21			
1 4,4'-DDD									
1	100	9.191	9.185	0.006	9360303	0.004952			
2	100	10.726	10.724	0.002	61449978	0.004961			
						RPD = 0.18			
15 Endosulfan II									
1	100	9.273	9.269	0.004	13592507	0.005380			
2	100	10.726	10.724	0.002	61449978	0.004961			
						RPD = 8.10			
3 4,4'-DDT									
1	100	9.709	9.706	0.003	8788628	0.004682			
2	100	11.210	11.209	0.001	21588831	0.004627			
						RPD = 1.18			
18 Endrin aldehyde									
1	100	10.068	10.065	0.003	9652425	0.005250			
2	100	11.297	11.297	0.000	27719699	0.005278			
						RPD = 0.54			
27 Methoxychlor									M
1	100	10.664	10.659	0.005	4568164	0.005204			M
2	100	12.291	12.288	0.003	11707426	0.005067			
						RPD = 2.65			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									M
1	100	10.791	10.789	0.002	11654753	0.005207			M
2	100	11.731	11.730	0.001	31049046	0.004886			
						RPD = 6.35			
19 Endrin ketone									
1	100	11.191	11.188	0.003	12592046	0.005378			
2	100	12.468	12.467	0.001	31911339	0.005103			
						RPD = 5.25			
$ 10 DCB Decachlorobiphenyl									
1	100	12.802	12.802	0.000	13801192	0.005406			
2	100	14.246	14.247	-0.001	35638927	0.005246			
						RPD = 3.00			

QC Flag Legend

Review Flags
M - Manually Integrated

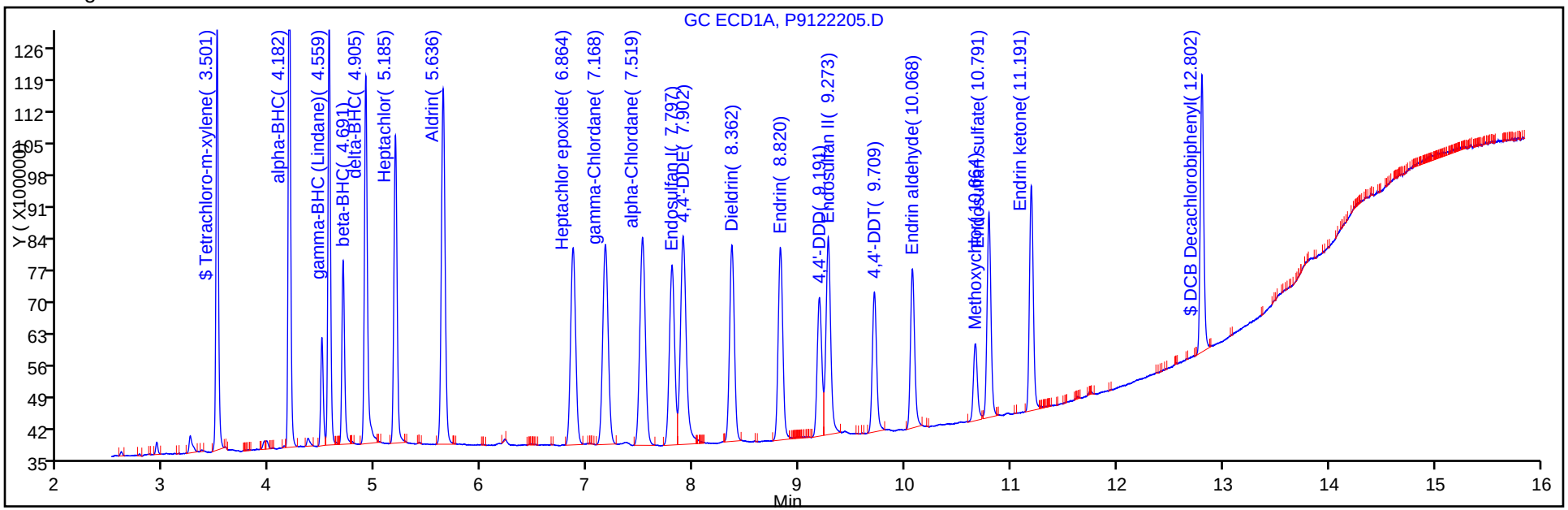
Report Date: 31-Dec-2012 10:57:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

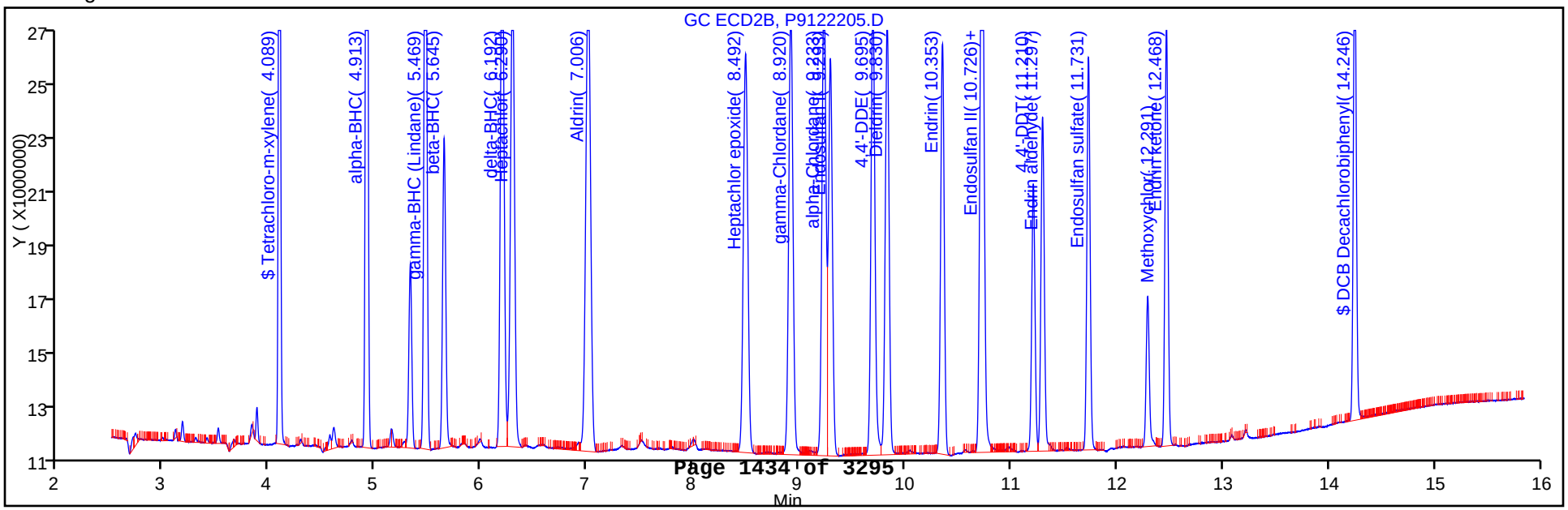
Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122205.D

Injection Date:	22-Dec-2012 13:11:51	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	5
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

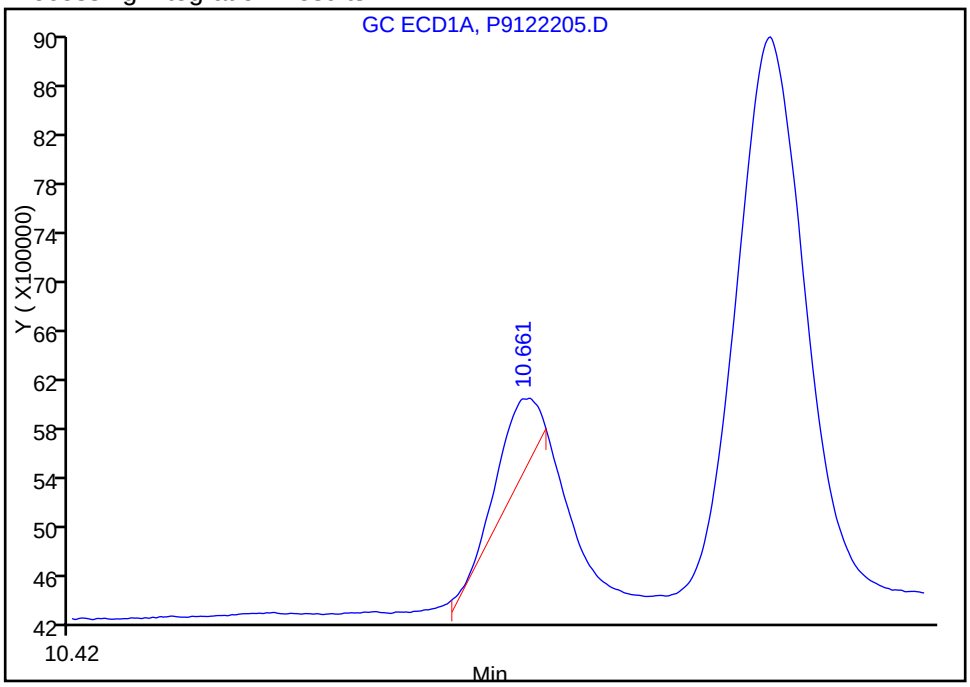
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122205.D		
Injection Date:	22-Dec-2012 13:11:51	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	5
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

27 Methoxychlor, Signal: 1, Type: quant, RT: 10.66, Det: GC ECD1A

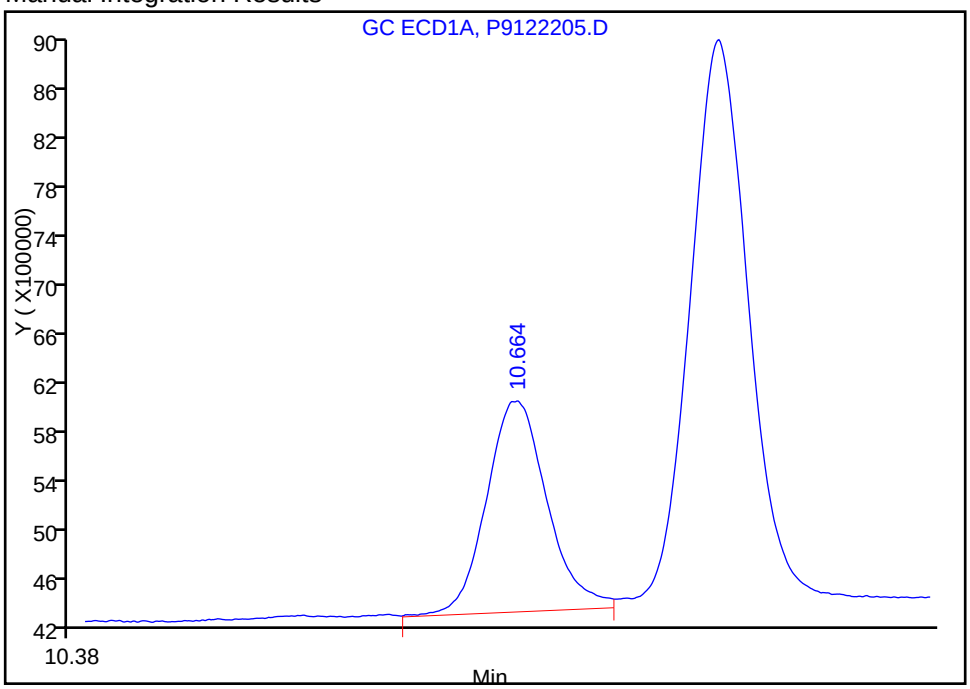
Processing Integration Results

RT: 10.66
Response: 904009
Amount: 0.001196



Manual Integration Results

RT: 10.66
Response: 4568164
Amount: 0.005204



Reviewer: vandorenc, 31-Dec-2012 10:43:55
Audit Action: Assigned New Baseline
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

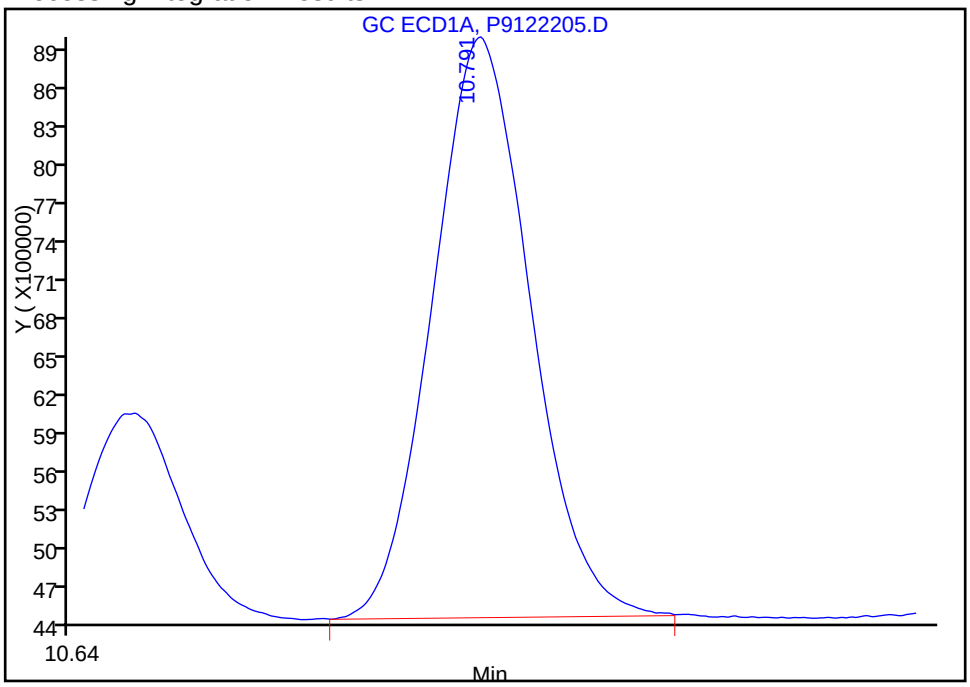
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122205.D		
Injection Date:	22-Dec-2012 13:11:51	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	5
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

16 Endosulfan sulfate, Signal: 1, Type: quant, RT: 10.79, Det: GC ECD1A

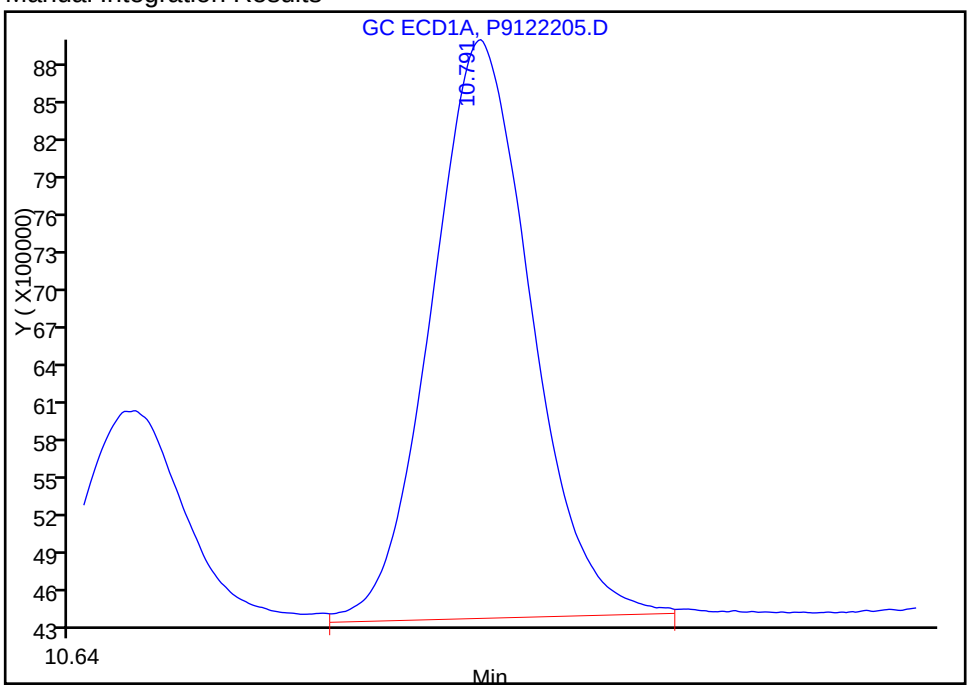
Processing Integration Results

RT: 10.79
Response: 11312240
Amount: 0.005080



Manual Integration Results

RT: 10.79
Response: 11654753
Amount: 0.005207



Reviewer: vandorenc, 31-Dec-2012 10:43:55
Audit Action: Assigned New Baseline
Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122206.D
Lims ID: STD AB L2 Client ID:
Inject. Date: 22-Dec-2012 13:36:04 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0016122-006
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 6
Lims Batch ID: 69893 Lims Sample ID: 6
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\PEST9.m
Last Update: 31-Dec-2012 10:57:45 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK027

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.499	3.499	0.000	26327788	0.009683			
2	100	4.089	4.089	0.000	79131320	0.009017			
						RPD = 7.12			
5 alpha-BHC									
1	100	4.181	4.182	-0.001	34886846	0.009157			
2	100	4.913	4.913	0.000	108117927	0.008205			
						RPD = 10.97			
20 gamma-BHC (Lindane)									
1	100	4.556	4.557	-0.001	29063438	0.009328			
2	100	5.468	5.467	0.001	91237834	0.008747			
						RPD = 6.43			
7 beta-BHC									
1	100	4.688	4.689	-0.001	13074397	0.009636			
2	100	5.644	5.643	0.001	41558513	0.009526			
						RPD = 1.15			
11 delta-BHC									
1	100	4.902	4.902	0.000	30560456	0.009053			
2	100	6.193	6.192	0.001	91941241	0.008470			
						RPD = 6.65			
22 Heptachlor									
1	100	5.182	5.183	-0.001	27244771	0.0099			
2	100	6.289	6.289	0.000	85557872	0.009718			
						RPD = 2.16			
4 Aldrin									
1	100	5.633	5.633	0.000	33780499	0.009501			
2	100	7.004	7.005	-0.001	96036641	0.009032			
						RPD = 5.06			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.859	6.860	-0.001	26912312	0.009890			
2	100	8.491	8.492	-0.001	79756447	0.009559			
						RPD = 3.40			
21 gamma-Chlordane									
1	100	7.164	7.166	-0.002	29253149	0.009550			
2	100	8.919	8.919	0.000	81732580	0.009151			
						RPD = 4.26			
6 alpha-Chlordane									
1	100	7.515	7.516	-0.001	30186393	0.009559			
2	100	9.231	9.232	-0.001	81770641	0.009241			
						RPD = 3.38			
14 Endosulfan I									
1	100	7.793	7.794	-0.001	25601378	0.0100			
2	100	9.294	9.294	0.000	69719809	0.009774			
						RPD = 2.34			
2 4,4'-DDE									
1	100	7.899	7.899	0.000	31101680	0.009406			
2	100	9.695	9.694	0.001	77953252	0.009017			
						RPD = 4.22			
13 Dieldrin									
1	100	8.360	8.361	-0.001	25715668	0.009686			
2	100	9.829	9.829	0.000	74704321	0.009420			
						RPD = 2.79			
17 Endrin									
1	100	8.819	8.818	0.001	24487399	0.0100			
2	100	10.351	10.351	0.000	66989765	0.009510			
						RPD = 5.23			
1 4,4'-DDD									
1	100	9.185	9.185	0.000	17812061	0.009423			
2	100	10.724	10.724	0.000	114833998	0.009271			
						RPD = 1.63			
15 Endosulfan II									
1	100	9.269	9.269	0.000	25553486	0.0101			
2	100	10.724	10.724	0.000	114833998	0.009271			
						RPD = 8.70			
3 4,4'-DDT									
1	100	9.705	9.706	-0.001	17254121	0.009192			
2	100	11.209	11.209	0.000	40682243	0.008720			
						RPD = 5.27			
18 Endrin aldehyde									
1	100	10.065	10.065	0.000	18487207	0.0101			
2	100	11.297	11.297	0.000	50472262	0.009610			
						RPD = 4.52			
27 Methoxychlor									
1	100	10.660	10.659	0.001	8343222	0.009504			
2	100	12.289	12.288	0.001	22271242	0.009640			
						RPD = 1.42			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.788	10.789	-0.001	21604981	0.009652			
2	100	11.730	11.730	0.000	57795628	0.009096			
						RPD = 5.94			
19 Endrin ketone									
1	100	11.189	11.188	0.001	23440569	0.0100			
2	100	12.467	12.467	0.000	59485799	0.009512			
						RPD = 5.12			
$ 10 DCB Decachlorobiphenyl									
1	100	12.801	12.802	-0.001	25086227	0.009827			
2	100	14.246	14.247	-0.001	62654026	0.009223			
						RPD = 6.34			

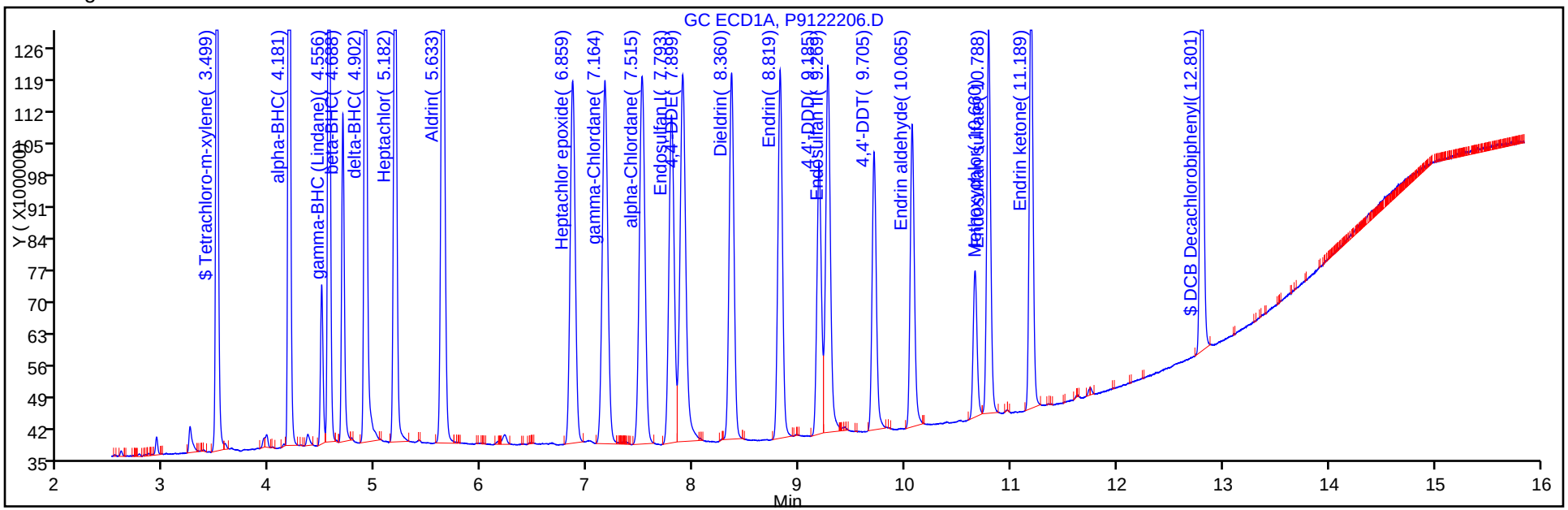
Report Date: 31-Dec-2012 10:57:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

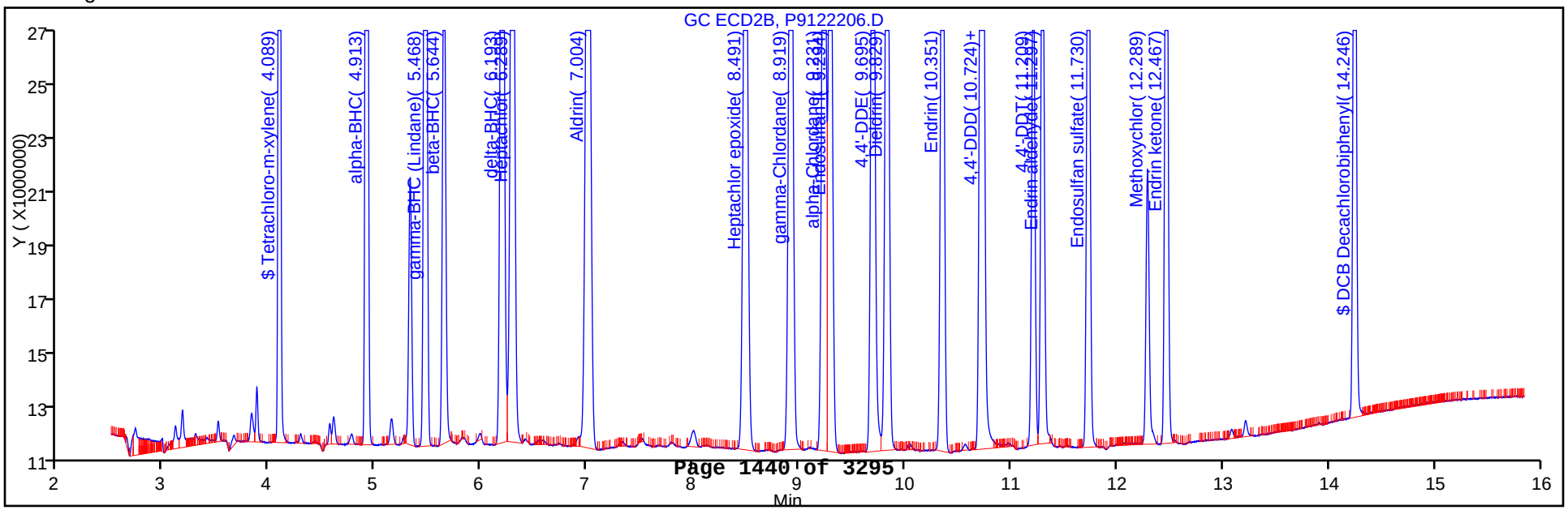
Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122206.D

Injection Date:	22-Dec-2012 13:36:04	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	6
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122207.D
Lims ID: STD AB L3 Client ID:
Inject. Date: 22-Dec-2012 14:00:36 Dil. Factor: 1.0000
Sample Type: ICRT Calib Level: 3
Sample ID: 240-0016122-007
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 7
Lims Batch ID: 69893 Lims Sample ID: 7
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\PEST9.m
Last Update: 31-Dec-2012 10:57:47 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK027

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.499	3.499	0.000	69709157	0.0256			
2	100	4.089	4.089	0.000	213055108	0.0243			
						RPD = 5.45			
5 alpha-BHC									
1	100	4.182	4.182	0.000	97225606	0.0255			
2	100	4.913	4.913	0.000	308826216	0.0234			
						RPD = 8.51			
20 gamma-BHC (Lindane)									
1	100	4.557	4.557	0.000	78811637	0.0253			
2	100	5.467	5.467	0.000	248326236	0.0238			
						RPD = 6.07			
7 beta-BHC									
1	100	4.689	4.689	0.000	33801404	0.0249			
2	100	5.643	5.643	0.000	107046996	0.0245			
						RPD = 1.51			
11 delta-BHC									
1	100	4.902	4.902	0.000	86186043	0.0255			
2	100	6.192	6.192	0.000	257325928	0.0237			
						RPD = 7.41			
22 Heptachlor									
1	100	5.183	5.183	0.000	69900088	0.0255			
2	100	6.289	6.289	0.000	211681542	0.0240			
						RPD = 5.79			
4 Aldrin									
1	100	5.633	5.633	0.000	90861079	0.0256			
2	100	7.005	7.005	0.000	256850215	0.0242			
						RPD = 5.62			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.860	6.860	0.000	70250045	0.0258			
2	100	8.492	8.492	0.000	204907789	0.0246			
						RPD = 4.99			
21 gamma-Chlordane									
1	100	7.166	7.166	0.000	77967213	0.0255			
2	100	8.919	8.919	0.000	215120969	0.0241			
						RPD = 5.52			
6 alpha-Chlordane									
1	100	7.516	7.516	0.000	80484307	0.0255			
2	100	9.232	9.232	0.000	213333957	0.0241			
						RPD = 5.55			
14 Endosulfan I									
1	100	7.794	7.794	0.000	65322703	0.0255			
2	100	9.294	9.294	0.000	172923071	0.0242			
						RPD = 5.17			
2 4,4'-DDE									
1	100	7.899	7.899	0.000	83092449	0.0251			
2	100	9.694	9.694	0.000	204863696	0.0237			
						RPD = 5.87			
13 Dieldrin									
1	100	8.361	8.361	0.000	67816390	0.0255			
2	100	9.829	9.829	0.000	191764710	0.0242			
						RPD = 5.48			
17 Endrin									
1	100	8.818	8.818	0.000	62577723	0.0256			
2	100	10.351	10.351	0.000	171226444	0.0243			
						RPD = 5.21			
1 4,4'-DDD									
1	100	9.185	9.185	0.000	47494586	0.0251			
2	100	10.724	10.724	0.000	300502115	0.0243			
						RPD = 3.51			
15 Endosulfan II									
1	100	9.269	9.269	0.000	64766416	0.0256			
2	100	10.724	10.724	0.000	300502115	0.0243			
						RPD = 5.51			
3 4,4'-DDT									
1	100	9.706	9.706	0.000	47639175	0.0254			
2	100	11.209	11.209	0.000	111228775	0.0238			
						RPD = 6.25			
18 Endrin aldehyde									
1	100	10.065	10.065	0.000	47518950	0.0258			
2	100	11.297	11.297	0.000	128695915	0.0245			
						RPD = 5.32			
27 Methoxychlor									
1	100	10.659	10.659	0.000	22616034	0.0258			
2	100	12.288	12.288	0.000	57766626	0.0250			
						RPD = 2.99			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.789	10.789	0.000	57448097	0.0257			
2	100	11.730	11.730	0.000	151291302	0.0238			
						RPD = 7.50			
19 Endrin ketone									
1	100	11.188	11.188	0.000	60034966	0.0256			
2	100	12.467	12.467	0.000	153508243	0.0245			
						RPD = 4.36			
$ 10 DCB Decachlorobiphenyl									
1	100	12.802	12.802	0.000	64152269	0.0251			
2	100	14.247	14.247	0.000	156739690	0.0231			
						RPD = 8.53			

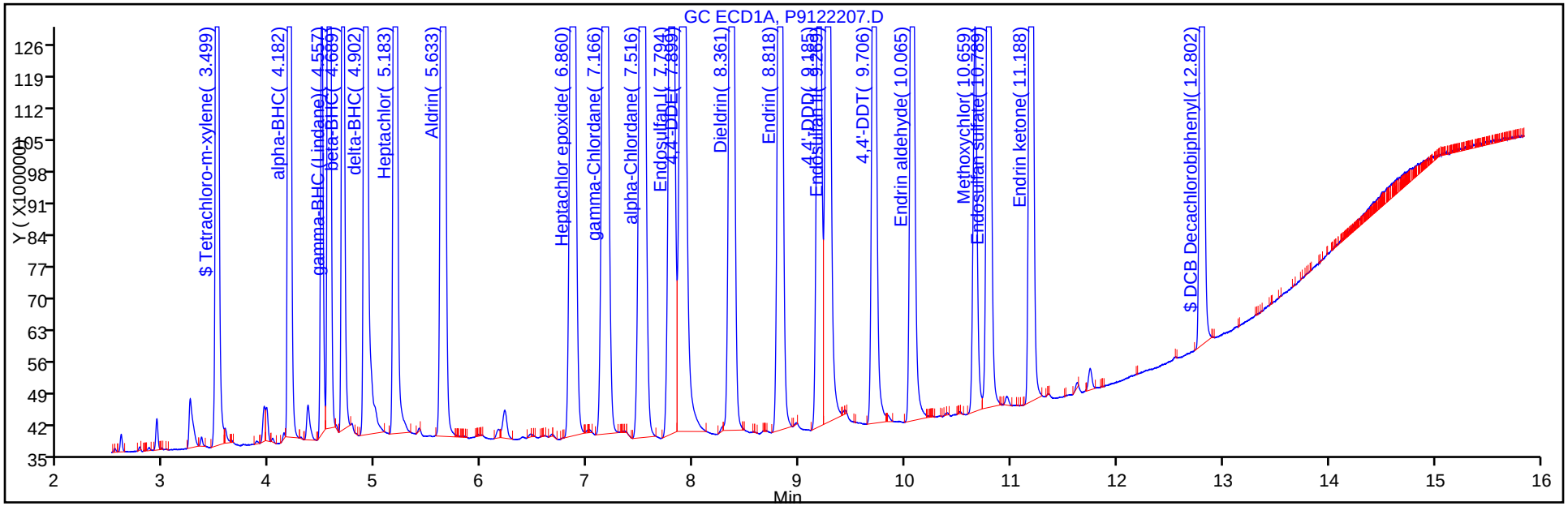
Report Date: 31-Dec-2012 10:57:49 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

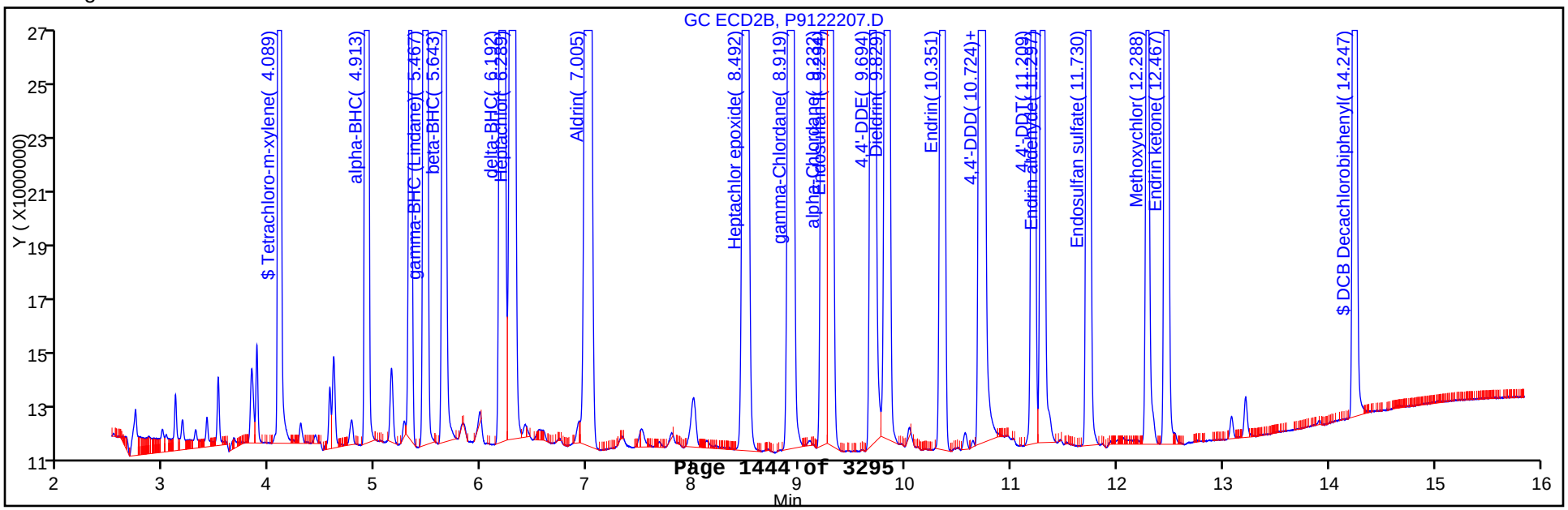
Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122207.D

Injection Date:	22-Dec-2012 14:00:36	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	7
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122208.D
Lims ID: STD AB L4 Client ID:
Inject. Date: 22-Dec-2012 14:25:04 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0016122-008
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 8
Lims Batch ID: 69893 Lims Sample ID: 8
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\PEST9.m
Last Update: 31-Dec-2012 10:57:50 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK027

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.499	3.499	0.000	139462966	0.0513			
2	100	4.089	4.089	0.000	448233184	0.0511			
						RPD = 0.42			
5 alpha-BHC									
1	100	4.181	4.182	-0.001	199128378	0.0523			
2	100	4.913	4.913	0.000	680587365	0.0516			
						RPD = 1.19			
20 gamma-BHC (Lindane)									
1	100	4.557	4.557	0.000	159933798	0.0513			
2	100	5.468	5.467	0.001	524627836	0.0503			
						RPD = 2.04			
7 beta-BHC									
1	100	4.690	4.689	0.001	69404387	0.0512			
2	100	5.644	5.643	0.001	213264607	0.0489			
						RPD = 4.53			
11 delta-BHC									
1	100	4.903	4.902	0.001	180298876	0.0534			
2	100	6.191	6.192	-0.001	560607394	0.0516			
						RPD = 3.35			
22 Heptachlor									
1	100	5.183	5.183	0.000	140049404	0.0510			
2	100	6.290	6.289	0.001	433309568	0.0492			
						RPD = 3.64			
4 Aldrin									
1	100	5.633	5.633	0.000	183831298	0.0517			
2	100	7.005	7.005	0.000	543364941	0.0511			
						RPD = 1.17			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.860	6.860	0.000	136236102	0.0501			
2	100	8.492	8.492	0.000	410586360	0.0492			
						RPD = 1.72			
21 gamma-Chlordane									
1	100	7.167	7.166	0.001	154763034	0.0505			
2	100	8.920	8.919	0.001	443834536	0.0497			
						RPD = 1.66			
6 alpha-Chlordane									
1	100	7.516	7.516	0.000	159105955	0.0504			
2	100	9.232	9.232	0.000	435205659	0.0492			
						RPD = 2.41			
14 Endosulfan I									
1	100	7.795	7.794	0.001	127923020	0.0500			
2	100	9.293	9.294	-0.001	352271817	0.0494			
						RPD = 1.23			
2 4,4'-DDE									
1	100	7.896	7.899	-0.003	170734885	0.0516			
2	100	9.693	9.694	-0.001	438712389	0.0507			
						RPD = 1.74			
13 Dieldrin									
1	100	8.361	8.361	0.000	135154167	0.0509			
2	100	9.830	9.829	0.001	397984159	0.0502			
						RPD = 1.43			
17 Endrin									
1	100	8.819	8.818	0.001	121885202	0.0499			
2	100	10.351	10.351	0.000	347339248	0.0493			
						RPD = 1.15			
1 4,4'-DDD									
1	100	9.184	9.185	-0.001	94778920	0.0501			
2	100	10.723	10.724	-0.001	612304510	0.0494			
						RPD = 1.42			
15 Endosulfan II									
1	100	9.270	9.269	0.001	125747171	0.0498			
2	100	10.723	10.724	-0.001	612304510	0.0494			
						RPD = 0.68			
3 4,4'-DDT									
1	100	9.708	9.706	0.002	94063674	0.0501			
2	100	11.209	11.209	0.000	230209879	0.0493			
						RPD = 1.55			
18 Endrin aldehyde									
1	100	10.067	10.065	0.002	91411749	0.0497			
2	100	11.296	11.297	-0.001	255677197	0.0487			
						RPD = 2.10			
27 Methoxychlor									
1	100	10.659	10.659	0.000	43925490	0.0500			
2	100	12.288	12.288	0.000	112475652	0.0487			
						RPD = 2.74			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.790	10.789	0.001	112939831	0.0505			
2	100	11.730	11.730	0.000	311526171	0.0490			
						RPD = 2.87			
19 Endrin ketone									
1	100	11.190	11.188	0.002	115049731	0.0491			
2	100	12.466	12.467	-0.001	304805373	0.0487			
						RPD = 0.81			
$ 10 DCB Decachlorobiphenyl									
1	100	12.800	12.802	-0.002	127747357	0.0500			
2	100	14.245	14.247	-0.002	331430382	0.0488			
						RPD = 2.54			

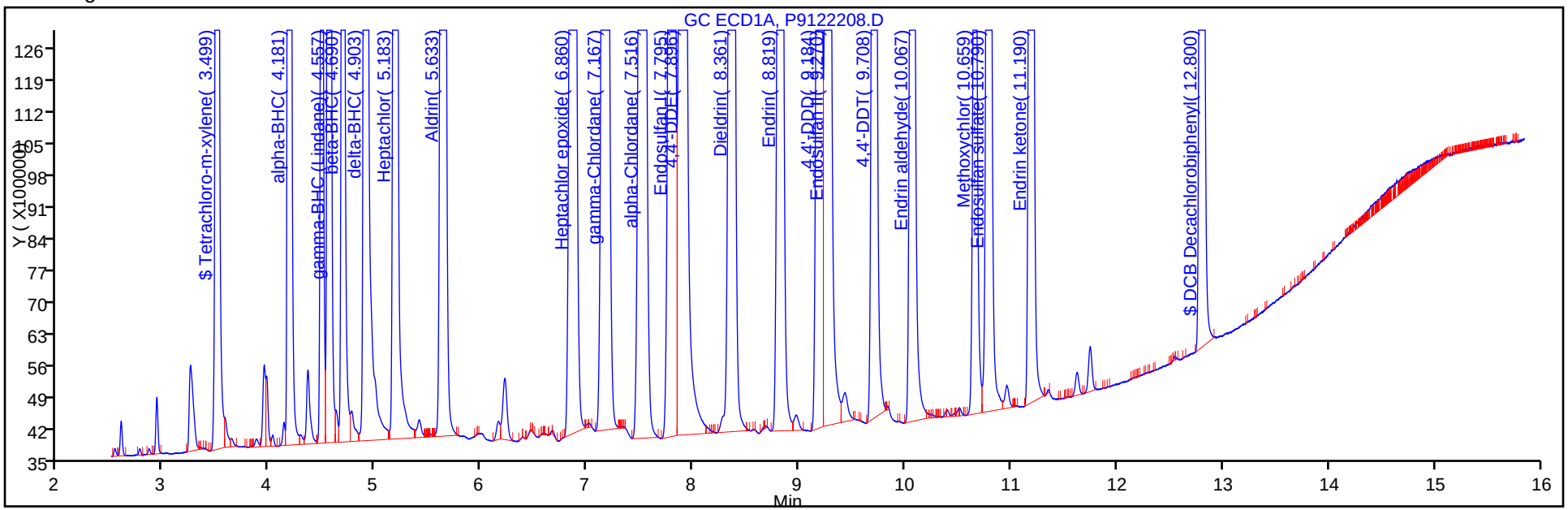
Report Date: 31-Dec-2012 10:57:51 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

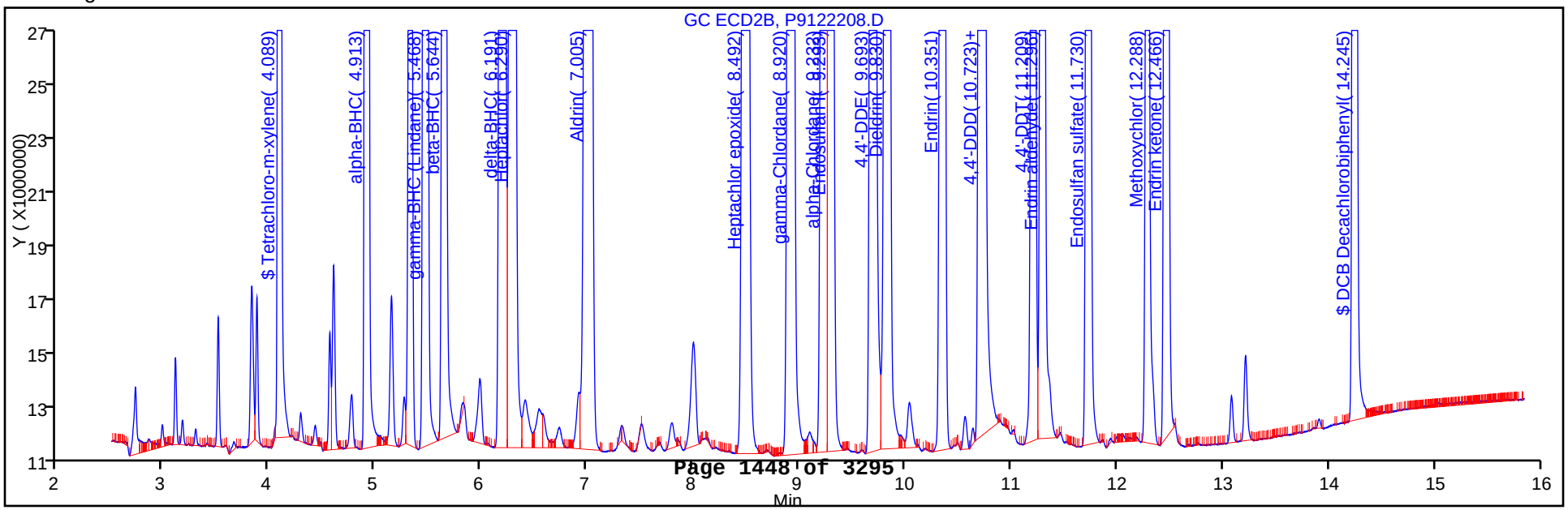
Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122208.D

Injection Date:	22-Dec-2012 14:25:04	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	8
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122209.D
Lims ID: STD AB L5 Client ID:
Inject. Date: 22-Dec-2012 14:49:15 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0016122-009
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 9
Lims Batch ID: 69893 Lims Sample ID: 9
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\PEST9.m
Last Update: 31-Dec-2012 10:57:52 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK027

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.498	3.499	-0.001	262943294	0.0967			
2	100	4.088	4.089	-0.001	879316557	0.1002			
						RPD = 3.55			
5 alpha-BHC									
1	100	4.180	4.182	-0.002	381822365	0.1002			
2	100	4.913	4.913	0.000	1395374427	0.1059			
						RPD = 5.50			
20 gamma-BHC (Lindane)									
1	100	4.557	4.557	0.000	308770266	0.0991			
2	100	5.467	5.467	0.000	1056831643	0.1013			
						RPD = 2.21			
7 beta-BHC									
1	100	4.688	4.689	-0.001	130420504	0.0961			
2	100	5.643	5.643	0.000	412268220	0.0945			
						RPD = 1.70			
11 delta-BHC									
1	100	4.901	4.902	-0.001	344231124	0.1020			
2	100	6.192	6.192	0.000	1139357612	0.1050			
						RPD = 2.90			
22 Heptachlor									
1	100	5.182	5.183	-0.001	259452666	0.0946			
2	100	6.290	6.289	0.001	832326654	0.0945			
						RPD = 0.02			
4 Aldrin									
1	100	5.633	5.633	0.000	342887671	0.0964			
2	100	7.003	7.005	-0.002	1055509587	0.0993			
						RPD = 2.90			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.859	6.860	-0.001	256707908	0.0943			
2	100	8.492	8.492	0.000	803900629	0.0963			
						RPD = 2.11			
21 gamma-Chlordane									
1	100	7.164	7.166	-0.002	297562677	0.0971			
2	100	8.918	8.919	-0.001	872214824	0.0977			
						RPD = 0.53			
6 alpha-Chlordane									
1	100	7.513	7.516	-0.003	304840838	0.0965			
2	100	9.231	9.232	-0.001	861233697	0.0973			
						RPD = 0.82			
14 Endosulfan I									
1	100	7.793	7.794	-0.001	241329662	0.0943			
2	100	9.292	9.294	-0.002	676491548	0.0948			
						RPD = 0.55			
2 4,4'-DDE									
1	100	7.896	7.899	-0.003	321466589	0.0972			
2	100	9.693	9.694	-0.001	860277310	0.0995			
						RPD = 2.33			
13 Dieldrin									
1	100	8.358	8.361	-0.003	258174638	0.0972			
2	100	9.828	9.829	-0.001	775666861	0.0978			
						RPD = 0.58			
17 Endrin									
1	100	8.818	8.818	0.000	232555056	0.0952			
2	100	10.351	10.351	0.000	689393313	0.0979			
						RPD = 2.80			
1 4,4'-DDD									
1	100	9.183	9.185	-0.002	188855390	0.0999			
2	100	10.723	10.724	-0.001	1230378009	0.0993			
						RPD = 0.58			
15 Endosulfan II									
1	100	9.271	9.269	0.002	238165903	0.0943			
2	100	10.723	10.724	-0.001	1230378009	0.0993			
						RPD = 5.23			
3 4,4'-DDT									
1	100	9.704	9.706	-0.002	191077728	0.1018			
2	100	11.208	11.209	-0.001	480152385	0.1029			
						RPD = 1.09			
18 Endrin aldehyde									
1	100	10.065	10.065	0.000	173556428	0.0944			
2	100	11.297	11.297	0.000	503014635	0.0958			
						RPD = 1.46			
27 Methoxychlor									
1	100	10.658	10.659	-0.001	85258072	0.0971			
2	100	12.288	12.288	0.000	222930875	0.0965			
						RPD = 0.64			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.788	10.789	-0.001	217508546	0.0972			
2	100	11.730	11.730	0.000	641191798	0.1009			
						RPD = 3.77			
19 Endrin ketone									
1	100	11.189	11.188	0.001	219898772	0.0939			
2	100	12.466	12.467	-0.001	610796928	0.0977			
						RPD = 3.91			
$ 10 DCB Decachlorobiphenyl									
1	100	12.800	12.802	-0.002	242031398	0.0948			
2	100	14.245	14.247	-0.002	662069990	0.0975			
						RPD = 2.76			

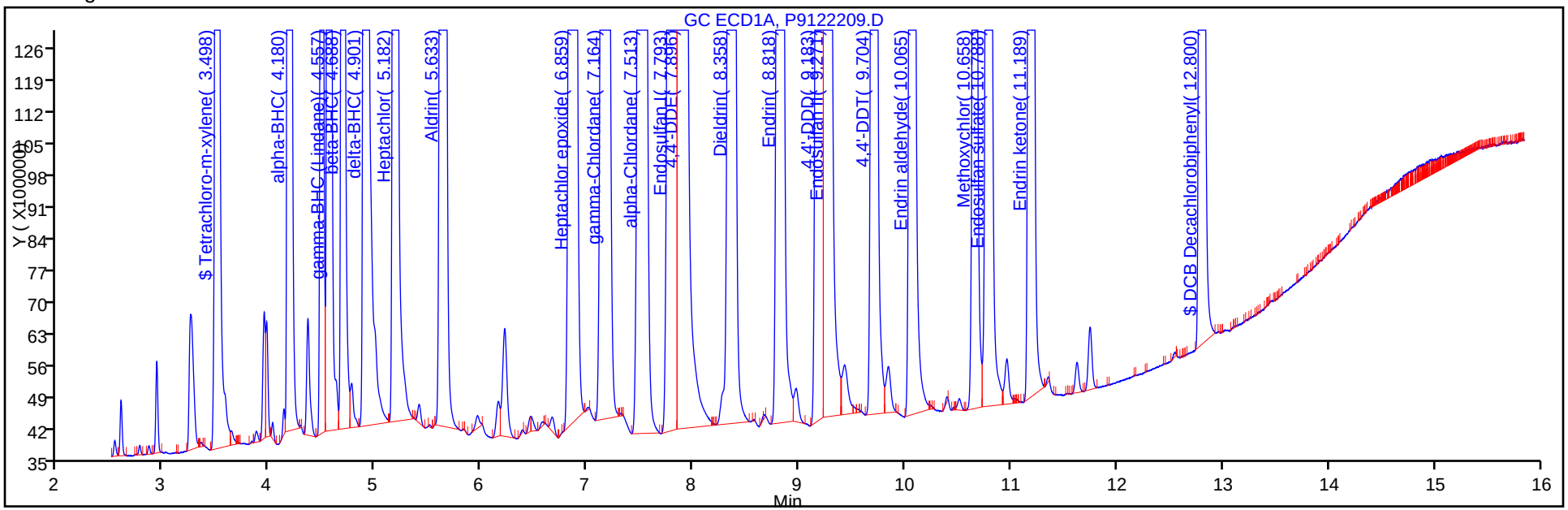
Report Date: 31-Dec-2012 10:57:53 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

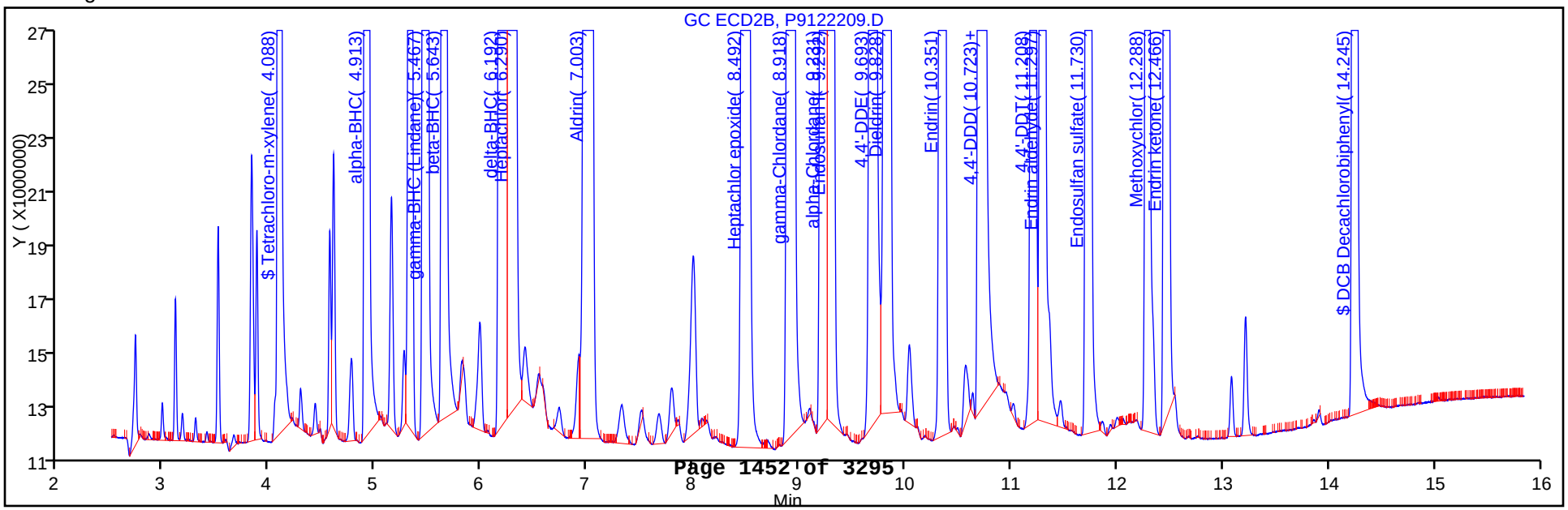
Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122209.D

Injection Date:	22-Dec-2012 14:49:15	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	9
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122210.D
Lims ID: STD AB L6 Client ID:
Inject. Date: 22-Dec-2012 15:13:25 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 240-0016122-010
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 10
Lims Batch ID: 69893 Lims Sample ID: 10
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\PEST9.m
Last Update: 31-Dec-2012 10:57:54 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK027

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.498	3.499	-0.001	499594893	0.1838			
2	100	4.089	4.089	0.000	1876708630	0.2139			
						RPD = 15.14			
5 alpha-BHC									
1	100	4.181	4.182	-0.001	768141767	0.2016			
2	100	4.914	4.913	0.001	3286719172	0.2494			
						RPD = 21.20			
20 gamma-BHC (Lindane)									
1	100	4.556	4.557	-0.001	636231107	0.2042			
2	100	5.467	5.467	0.000	2498251771	0.2395			
						RPD = 15.91			
7 beta-BHC									
1	100	4.688	4.689	-0.001	260444227	0.1920			
2	100	5.643	5.643	0.000	915946127	0.2100			
						RPD = 8.96			
11 delta-BHC									
1	100	4.901	4.902	-0.001	687185120	0.2036			
2	100	6.192	6.192	0.000	2630677835	0.2424			
						RPD = 17.40			
22 Heptachlor									
1	100	5.182	5.183	-0.001	535800491	0.1953			
2	100	6.291	6.289	0.002	1895283610	0.2153			
						RPD = 9.74			
4 Aldrin									
1	100	5.633	5.633	0.000	663261771	0.1865			
2	100	7.006	7.005	0.001	2253559642	0.2119			
						RPD = 12.75			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.859	6.860	-0.001	520246976	0.1912			
2	100	8.491	8.492	-0.001	1763207285	0.2113			
						RPD = 10.01			
21 gamma-Chlordane									
1	100	7.166	7.166	0.000	612435203	0.1999			
2	100	8.920	8.919	0.001	1967602335	0.2203			
						RPD = 9.69			
6 alpha-Chlordane									
1	100	7.516	7.516	0.000	621295183	0.1967			
2	100	9.232	9.232	0.000	1914475532	0.2164			
						RPD = 9.50			
14 Endosulfan I									
1	100	7.793	7.794	-0.001	488935665	0.1911			
2	100	9.293	9.294	-0.001	1495459708	0.2096			
						RPD = 9.26			
2 4,4'-DDE									
1	100	7.896	7.899	-0.003	643528254	0.1946			
2	100	9.693	9.694	-0.001	1896085231	0.2193			
						RPD = 11.94			
13 Dieldrin									
1	100	8.359	8.361	-0.002	523169800	0.1971			
2	100	9.829	9.829	0.000	1709607295	0.2156			
						RPD = 8.98			
17 Endrin									
1	100	8.817	8.818	-0.001	468447209	0.1917			
2	100	10.351	10.351	0.000	1535350320	0.2180			
						RPD = 12.82			
1 4,4'-DDD									
1	100	9.182	9.185	-0.003	400866929	0.2121			
2	100	10.722	10.724	-0.002	2795664895	0.2257			
						RPD = 6.22			
15 Endosulfan II									
1	100	9.267	9.269	-0.002	479691393	0.1899			
2	100	10.722	10.724	-0.002	2795664895	0.2257			
						RPD = 17.25			
3 4,4'-DDT									
1	100	9.706	9.706	0.000	416361372	0.2218			
2	100	11.208	11.209	-0.001	1150455718	0.2466			
						RPD = 10.58			
18 Endrin aldehyde									
1	100	10.065	10.065	0.000	357675806	0.1945			
2	100	11.296	11.297	-0.001	1125612417	0.2143			
						RPD = 9.69			
27 Methoxychlor									
1	100	10.656	10.659	-0.003	176718160	0.2013			
2	100	12.287	12.288	-0.001	500747539	0.2167			
						RPD = 7.39			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.789	10.789	0.000	441429688	0.1972			
2	100	11.730	11.730	0.000	1488435239	0.2342			
						RPD = 17.17			
19 Endrin ketone									
1	100	11.188	11.188	0.000	456849243	0.1951			
2	100	12.466	12.467	-0.001	1369464177	0.2190			
						RPD = 11.52			
$ 10 DCB Decachlorobiphenyl									
1	100	12.801	12.802	-0.001	501258059	0.1964			
2	100	14.246	14.247	-0.001	1569230971	0.2310			
						RPD = 16.21			

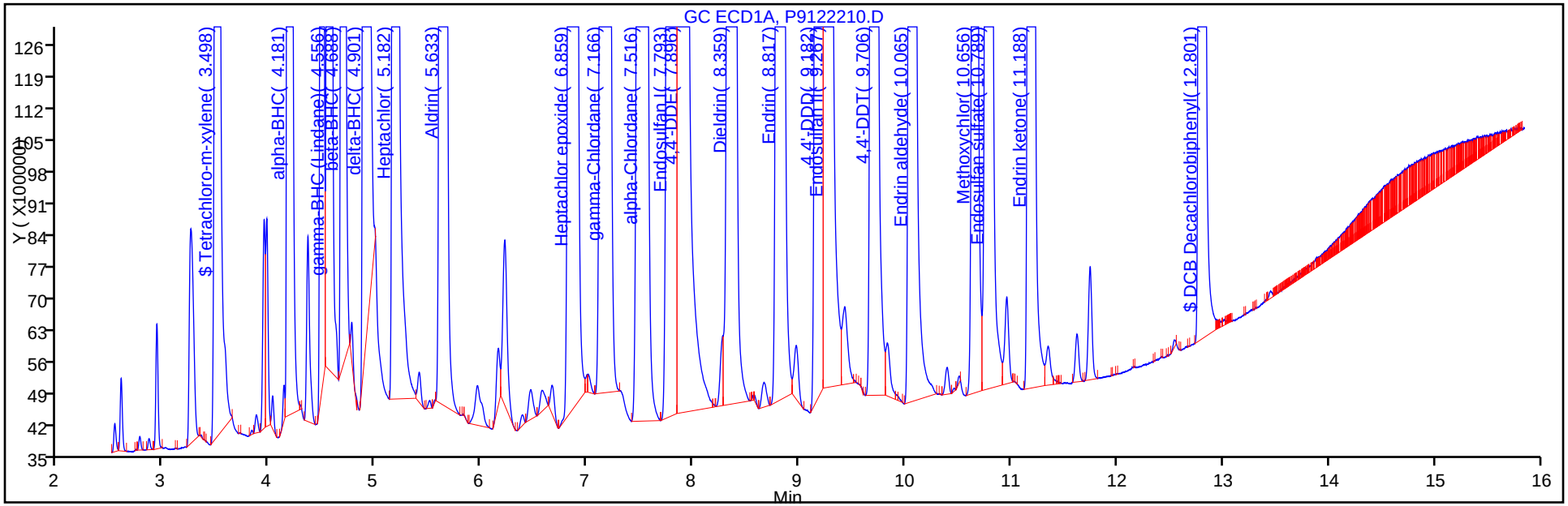
Report Date: 31-Dec-2012 10:57:56 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

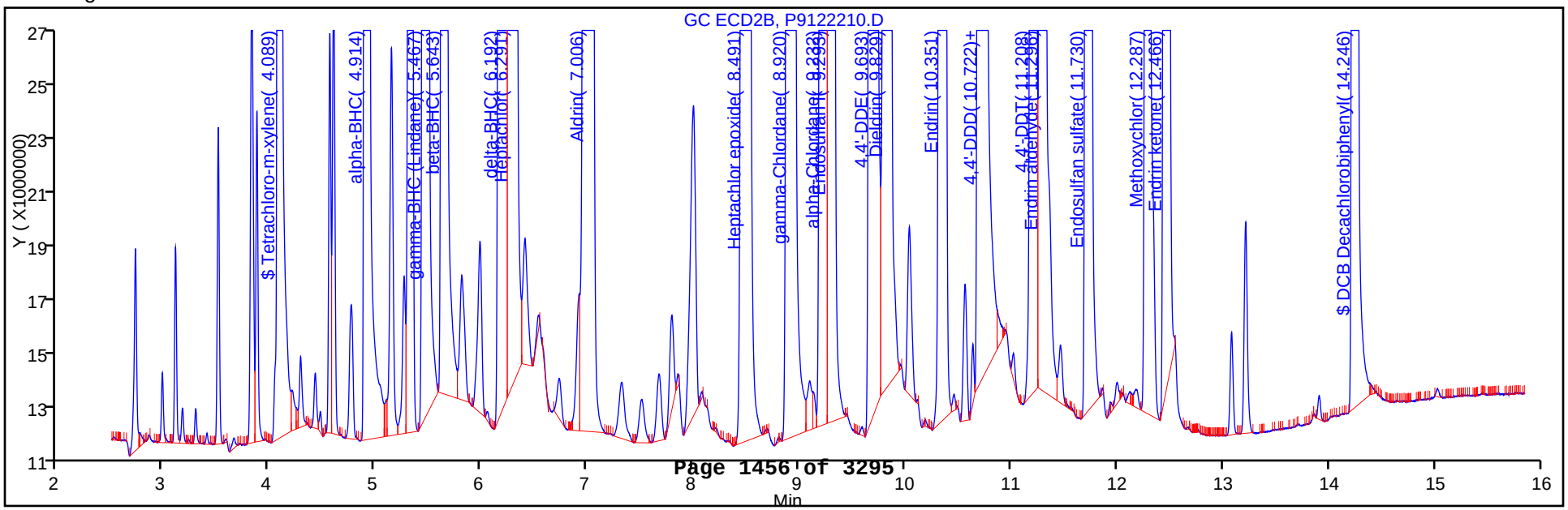
Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122210.D

Injection Date:	22-Dec-2012 15:13:25	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	10
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 69893

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/22/2012 13:11 Calibration End Date: 12/22/2012 15:13 Calibration ID: 13015

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-69893/5	P9122205.D
Level 2	STD 240-69893/6	P9122206.D
Level 3	STD 240-69893/7	P9122207.D
Level 4	STD 240-69893/8	P9122208.D
Level 5	STD 240-69893/9	P9122209.D
Level 6	STD 240-69893/10	P9122210.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
alpha-BHC	4.913	4.913	4.913	4.913	4.913	4.914					4.883 - 4.943	4.913
gamma-BHC (Lindane)	5.469	5.468	5.467	5.468	5.467	5.467					5.437 - 5.497	5.468
beta-BHC	5.645	5.644	5.643	5.644	5.643	5.643					5.613 - 5.673	5.644
delta-BHC	6.192	6.193	6.192	6.191	6.192	6.192					6.162 - 6.222	6.192
Heptachlor	6.290	6.289	6.289	6.290	6.290	6.291					6.254 - 6.324	6.290
Aldrin	7.006	7.004	7.005	7.005	7.003	7.006					6.975 - 7.035	7.005
Heptachlor epoxide	8.492	8.491	8.492	8.492	8.492	8.491					8.462 - 8.522	8.492
gamma-Chlordane	8.920	8.919	8.919	8.920	8.918	8.920					8.889 - 8.949	8.919
alpha-Chlordane	9.233	9.231	9.232	9.232	9.231	9.232					9.202 - 9.262	9.232
Endosulfan I	9.293	9.294	9.294	9.293	9.292	9.293					9.264 - 9.324	9.293
4,4'-DDE	9.695	9.695	9.694	9.693	9.693	9.693					9.664 - 9.724	9.694
Dieldrin	9.830	9.829	9.829	9.830	9.828	9.829					9.799 - 9.859	9.829
Endrin	10.353	10.351	10.351	10.351	10.351	10.351					10.321 - 10.381	10.351
4,4'-DDD	10.726	10.724	10.724	10.723	10.723	10.722					10.694 - 10.754	10.724
Endosulfan II	10.726	10.724	10.724	10.723	10.723	10.722					10.694 - 10.754	10.724
4,4'-DDT	11.210	11.209	11.209	11.209	11.208	11.208					11.179 - 11.239	11.209
Endrin aldehyde	11.297	11.297	11.297	11.296	11.297	11.296					11.267 - 11.327	11.297
Endosulfan sulfate	11.731	11.730	11.730	11.730	11.730	11.730					11.700 - 11.760	11.730
Methoxychlor	12.291	12.289	12.288	12.288	12.288	12.287					12.258 - 12.318	12.289
Endrin ketone	12.468	12.467	12.467	12.466	12.466	12.466					12.437 - 12.497	12.467
Tetrachloro-m-xylene	4.089	4.089	4.089	4.089	4.088	4.089					4.059 - 4.119	4.089
DCB Decachlorobiphenyl	14.246	14.246	14.247	14.245	14.245	14.246					14.217 - 14.277	14.246

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 69893

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/22/2012 13:11 Calibration End Date: 12/22/2012 15:13 Calibration ID: 13015

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-69893/5	P9122205.D
Level 2	STD 240-69893/6	P9122206.D
Level 3	STD 240-69893/7	P9122207.D
Level 4	STD 240-69893/8	P9122208.D
Level 5	STD 240-69893/9	P9122209.D
Level 6	STD 240-69893/10	P9122210.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
alpha-BHC	1189873620 1395374427 0	1081179270 1643359586 0	1235304864 0	1361174730 0	Ave		1.31771 E+010				15.0		20.0			
gamma-BHC (Lindane)	9975941400 1056831643 0	9123783400 1249125885 5	9933049440	1049255672 0	Ave		1.04308 E+010				11.0		20.0			
beta-BHC	4769396000 4122682200	4155851300 4579730635	4281879840	4265292140	Ave		4362472019				5.9		20.0			
delta-BHC	9882028800 1139357612 0	9194124100 1315338917 5	1029303712 0	1121214788 0	Ave		1.08547 E+010				13.0		20.0			
Heptachlor	9337439400 8323266540	8555787200 9476418050	8467261680	8666191360	Ave		8804394038				5.5		20.0			
Aldrin	1122928160 1055509587 0	9603664100 1126779821 0	1027400860 0	1086729882 0	Ave		1.06329 E+010				6.0		20.0			
Heptachlor epoxide	8823344200 8039006290	7975644700 8816036425	8196311560	8211727200	Ave		8343678396				4.5		20.0			
gamma-Chlordane	9373692800 8722148240	8173258000 9838011675	8604838760	8876690720	Ave		8931440033				6.6		20.0			
alpha-Chlordane	9493286600 8612336970	8177064100 9572377660	8533358280	8704113180	Ave		8848756132				6.3		20.0			
Endosulfan I	7622305600 6764915480	6971980900 7477298540	6916922840	7045436340	Ave		7133143283				4.7		20.0			
4,4'-DDE	9022663800 8602773100	7795325200 9480426155	8194547840	8774247780	Ave		8644997313				6.9		20.0			
Dieldrin	8177585600 7756668610	7470432100 8548036475	7670588400	7959683180	Ave		7930499061				4.9		20.0			
Endrin	7200479200 6893933130	6698976500 7676751600	6849057760	6946784960	Ave		7044330525				5.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 69893

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/22/2012 13:11 Calibration End Date: 12/22/2012 15:13 Calibration ID: 13015

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
4,4'-DDD	1228999560 1230378009 0	1148339980 1397832447 5	1202008460 0	1224609020 0	Ave		1.23869 E+010				6.8		20.0			
Endosulfan II	1228999560 1230378009 0	1148339980 1397832447 5	1202008460 0	1224609020 0	Ave		1.23869 E+010				6.8		20.0			
4,4'-DDT	4317766200 4801523850	4068224300 5752278590	4449151000	4604197580	Ave		4665523587				13.0		20.0			
Endrin aldehyde	5543939800 5030146350	5047226200 5628062085	5147836600	5113543940	Ave		5251792496				5.0		20.0			
Endosulfan sulfate	6209809200 6411917980	5779562800 7442176195	6051652080	6230523420	Ave		6354273613				9.0		20.0			
Methoxychlor	2341485200 2229308750	2227124200 2503737695	2310665040	2249513040	Ave		2310305654				4.6		20.0			
Endrin ketone	6382267800 6107969280	5948579900 6847320885	6140329720	6096107460	Ave		6253762508				5.2		20.0			
Tetrachloro-m-xylene	9076071600 8793165570	7913132000 9383543150	8522204320	8964663680	Ave		8775463387				5.8		20.0			
DCB Decachlorobiphenyl	7127785400 6620699900	6265402600 7846154855	6269587600	6628607640	Ave		6793039666				8.9		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 69893

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/22/2012 13:11 Calibration End Date: 12/22/2012 15:13 Calibration ID: 13015

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-69893/5	P9122205.D
Level 2	STD 240-69893/6	P9122206.D
Level 3	STD 240-69893/7	P9122207.D
Level 4	STD 240-69893/8	P9122208.D
Level 5	STD 240-69893/9	P9122209.D
Level 6	STD 240-69893/10	P9122210.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
alpha-BHC	Ave	59493681 3286719172	108117927	308826216	680587365	1395374427	0.00500 0.200	0.0100	0.0250	0.0500	0.100
gamma-BHC (Lindane)	Ave	49879707 2498251771	91237834	248326236	524627836	1056831643	0.00500 0.200	0.0100	0.0250	0.0500	0.100
beta-BHC	Ave	23846980 915946127	41558513	107046996	213264607	412268220	0.00500 0.200	0.0100	0.0250	0.0500	0.100
delta-BHC	Ave	49410144 2630677835	91941241	257325928	560607394	1139357612	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Heptachlor	Ave	46687197 1895283610	85557872	211681542	433309568	832326654	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Aldrin	Ave	56146408 2253559642	96036641	256850215	543364941	1055509587	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Heptachlor epoxide	Ave	44116721 1763207285	79756447	204907789	410586360	803900629	0.00500 0.200	0.0100	0.0250	0.0500	0.100
gamma-Chlordane	Ave	46868464 1967602335	81732580	215120969	443834536	872214824	0.00500 0.200	0.0100	0.0250	0.0500	0.100
alpha-Chlordane	Ave	47466433 1914475532	81770641	213333957	435205659	861233697	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endosulfan I	Ave	38111528 1495459708	69719809	172923071	352271817	676491548	0.00500 0.200	0.0100	0.0250	0.0500	0.100
4,4'-DDE	Ave	45113319 1896085231	77953252	204863696	438712389	860277310	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Dieldrin	Ave	40887928 1709607295	74704321	191764710	397984159	775666861	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endrin	Ave	36002396 1535350320	66989765	171226444	347339248	689393313	0.00500 0.200	0.0100	0.0250	0.0500	0.100
4,4'-DDD	Ave	61449978 2795664895	114833998	300502115	612304510	1230378009	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endosulfan II	Ave	61449978 2795664895	114833998	300502115	612304510	1230378009	0.00500 0.200	0.0100	0.0250	0.0500	0.100
4,4'-DDT	Ave	21588831 1150455718	40682243	111228775	230209879	480152385	0.00500 0.200	0.0100	0.0250	0.0500	0.100

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 69893

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/22/2012 13:11 Calibration End Date: 12/22/2012 15:13 Calibration ID: 13015

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Endrin aldehyde	Ave	27719699 1125612417	50472262	128695915	255677197	503014635	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endosulfan sulfate	Ave	31049046 1488435239	57795628	151291302	311526171	641191798	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Methoxychlor	Ave	11707426 500747539	22271242	57766626	112475652	222930875	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endrin ketone	Ave	31911339 1369464177	59485799	153508243	304805373	610796928	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Tetrachloro-m-xylene	Ave	45380358 1876708630	79131320	213055108	448233184	879316557	0.00500 0.200	0.0100	0.0250	0.0500	0.100
DCB Decachlorobiphenyl	Ave	35638927 1569230971	62654026	156739690	331430382	662069990	0.00500 0.200	0.0100	0.0250	0.0500	0.100

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122205.D
Lims ID: STD AB L1 Client ID:
Inject. Date: 22-Dec-2012 13:11:51 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0016122-005
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 69893 Lims Sample ID: 5
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\PEST9.m
Last Update: 31-Dec-2012 10:57:42 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK027

First Level Reviewer: vandorenc Date: 31-Dec-2012 10:43:55

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.501	3.499	0.002	14876952	0.005472			
2	100	4.089	4.089	0.000	45380358	0.005171			
						RPD = 5.65			
5 alpha-BHC									
1	100	4.182	4.182	0.000	19198584	0.005039			
2	100	4.913	4.913	0.000	59493681	0.004515			
						RPD = 10.98			
20 gamma-BHC (Lindane)									
1	100	4.559	4.557	0.002	15835136	0.005083			
2	100	5.469	5.467	0.002	49879707	0.004782			
						RPD = 6.10			
7 beta-BHC									
1	100	4.691	4.689	0.002	7433863	0.005479			
2	100	5.645	5.643	0.002	23846980	0.005466			
						RPD = 0.23			
11 delta-BHC									
1	100	4.905	4.902	0.003	16338833	0.004840			
2	100	6.192	6.192	0.000	49410144	0.004552			
						RPD = 6.13			
22 Heptachlor									
1	100	5.185	5.183	0.002	14339751	0.005226			
2	100	6.290	6.289	0.001	46687197	0.005303			
						RPD = 1.45			
4 Aldrin									
1	100	5.636	5.633	0.003	19496658	0.005483			
2	100	7.006	7.005	0.001	56146408	0.005280			
						RPD = 3.77			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.864	6.860	0.004	14666892	0.005390			
2	100	8.492	8.492	0.000	44116721	0.005287			
						RPD = 1.92			
21 gamma-Chlordane									
1	100	7.168	7.166	0.002	16010600	0.005227			
2	100	8.920	8.919	0.001	46868464	0.005248			
						RPD = 0.40			
6 alpha-Chlordane									
1	100	7.519	7.516	0.003	16863525	0.005340			
2	100	9.233	9.232	0.001	47466433	0.005364			
						RPD = 0.45			
14 Endosulfan I									
1	100	7.797	7.794	0.003	13812512	0.005398			
2	100	9.293	9.294	-0.001	38111528	0.005343			
						RPD = 1.03			
2 4,4'-DDE									
1	100	7.902	7.899	0.003	17790961	0.005381			
2	100	9.695	9.694	0.001	45113319	0.005218			
						RPD = 3.06			
13 Dieldrin									
1	100	8.362	8.361	0.001	13723546	0.005169			
2	100	9.830	9.829	0.001	40887928	0.005156			
						RPD = 0.26			
17 Endrin									
1	100	8.820	8.818	0.002	13026927	0.005331			
2	100	10.353	10.351	0.002	36002396	0.005111			
						RPD = 4.21			
1 4,4'-DDD									
1	100	9.191	9.185	0.006	9360303	0.004952			
2	100	10.726	10.724	0.002	61449978	0.004961			
						RPD = 0.18			
15 Endosulfan II									
1	100	9.273	9.269	0.004	13592507	0.005380			
2	100	10.726	10.724	0.002	61449978	0.004961			
						RPD = 8.10			
3 4,4'-DDT									
1	100	9.709	9.706	0.003	8788628	0.004682			
2	100	11.210	11.209	0.001	21588831	0.004627			
						RPD = 1.18			
18 Endrin aldehyde									
1	100	10.068	10.065	0.003	9652425	0.005250			
2	100	11.297	11.297	0.000	27719699	0.005278			
						RPD = 0.54			
27 Methoxychlor									M
1	100	10.664	10.659	0.005	4568164	0.005204			M
2	100	12.291	12.288	0.003	11707426	0.005067			
						RPD = 2.65			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									M
1	100	10.791	10.789	0.002	11654753	0.005207			M
2	100	11.731	11.730	0.001	31049046	0.004886			
						RPD = 6.35			
19 Endrin ketone									
1	100	11.191	11.188	0.003	12592046	0.005378			
2	100	12.468	12.467	0.001	31911339	0.005103			
						RPD = 5.25			
$ 10 DCB Decachlorobiphenyl									
1	100	12.802	12.802	0.000	13801192	0.005406			
2	100	14.246	14.247	-0.001	35638927	0.005246			
						RPD = 3.00			

QC Flag Legend

Review Flags
M - Manually Integrated

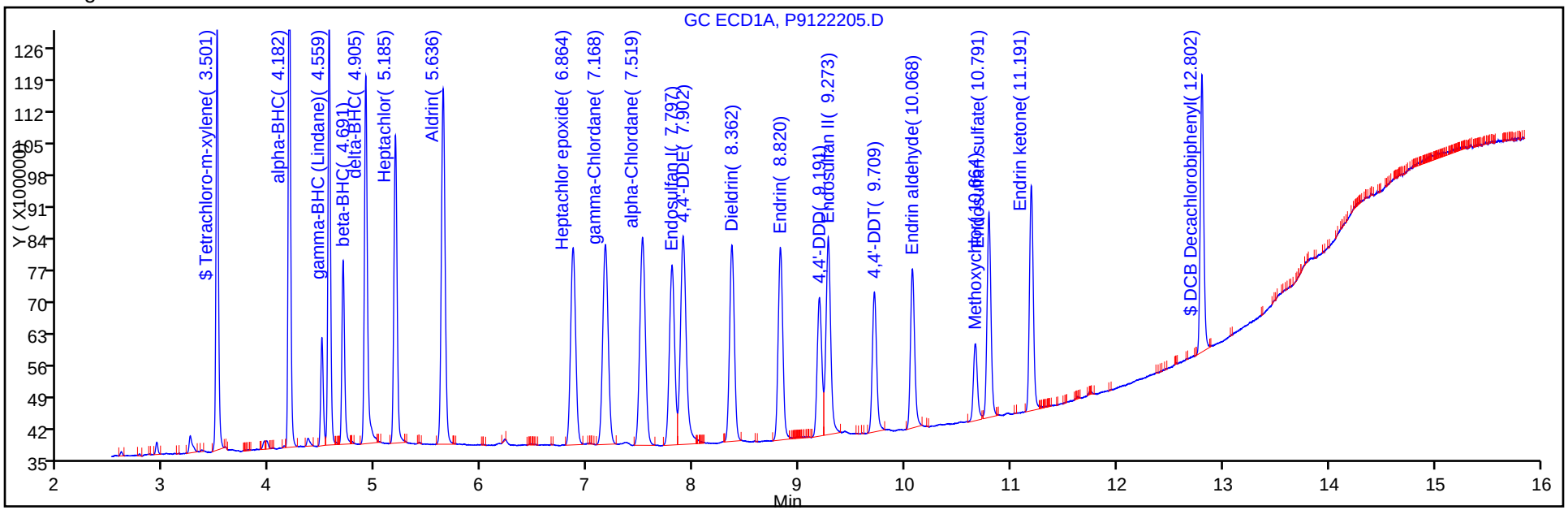
Report Date: 31-Dec-2012 10:57:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

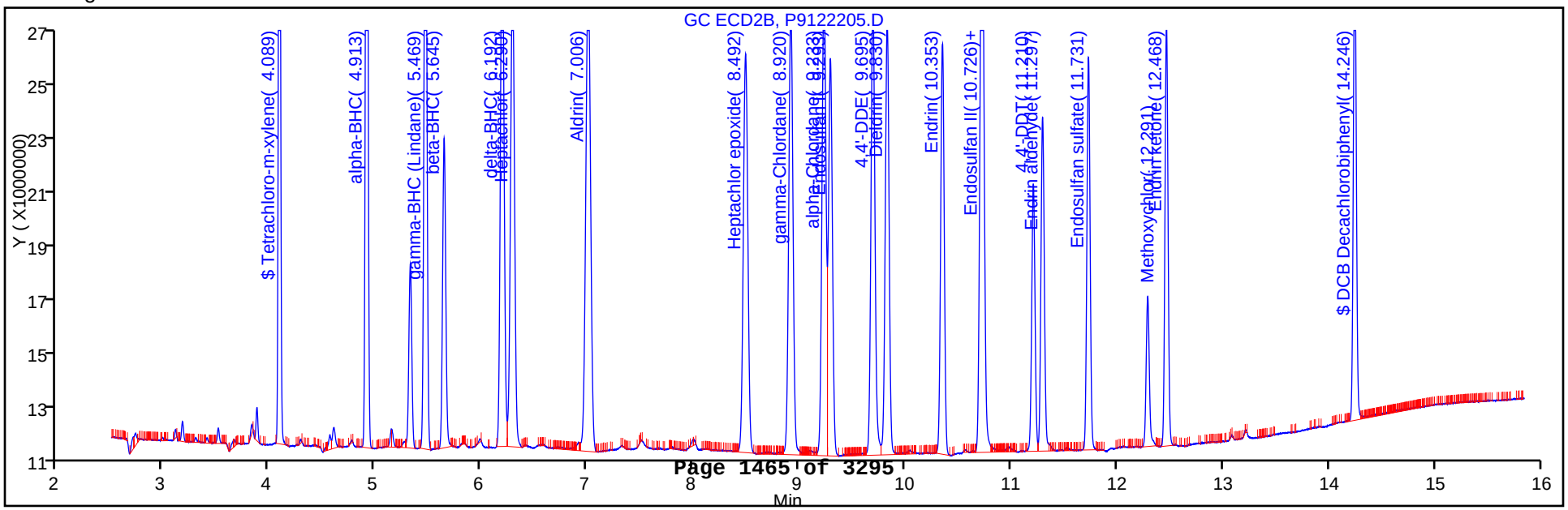
Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122205.D

Injection Date:	22-Dec-2012 13:11:51	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	5
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122206.D
Lims ID: STD AB L2 Client ID:
Inject. Date: 22-Dec-2012 13:36:04 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0016122-006
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 6
Lims Batch ID: 69893 Lims Sample ID: 6
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\PEST9.m
Last Update: 31-Dec-2012 10:57:45 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK027

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.499	3.499	0.000	26327788	0.009683			
2	100	4.089	4.089	0.000	79131320	0.009017			
						RPD = 7.12			
5 alpha-BHC									
1	100	4.181	4.182	-0.001	34886846	0.009157			
2	100	4.913	4.913	0.000	108117927	0.008205			
						RPD = 10.97			
20 gamma-BHC (Lindane)									
1	100	4.556	4.557	-0.001	29063438	0.009328			
2	100	5.468	5.467	0.001	91237834	0.008747			
						RPD = 6.43			
7 beta-BHC									
1	100	4.688	4.689	-0.001	13074397	0.009636			
2	100	5.644	5.643	0.001	41558513	0.009526			
						RPD = 1.15			
11 delta-BHC									
1	100	4.902	4.902	0.000	30560456	0.009053			
2	100	6.193	6.192	0.001	91941241	0.008470			
						RPD = 6.65			
22 Heptachlor									
1	100	5.182	5.183	-0.001	27244771	0.0099			
2	100	6.289	6.289	0.000	85557872	0.009718			
						RPD = 2.16			
4 Aldrin									
1	100	5.633	5.633	0.000	33780499	0.009501			
2	100	7.004	7.005	-0.001	96036641	0.009032			
						RPD = 5.06			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.859	6.860	-0.001	26912312	0.009890			
2	100	8.491	8.492	-0.001	79756447	0.009559			
						RPD = 3.40			
21 gamma-Chlordane									
1	100	7.164	7.166	-0.002	29253149	0.009550			
2	100	8.919	8.919	0.000	81732580	0.009151			
						RPD = 4.26			
6 alpha-Chlordane									
1	100	7.515	7.516	-0.001	30186393	0.009559			
2	100	9.231	9.232	-0.001	81770641	0.009241			
						RPD = 3.38			
14 Endosulfan I									
1	100	7.793	7.794	-0.001	25601378	0.0100			
2	100	9.294	9.294	0.000	69719809	0.009774			
						RPD = 2.34			
2 4,4'-DDE									
1	100	7.899	7.899	0.000	31101680	0.009406			
2	100	9.695	9.694	0.001	77953252	0.009017			
						RPD = 4.22			
13 Dieldrin									
1	100	8.360	8.361	-0.001	25715668	0.009686			
2	100	9.829	9.829	0.000	74704321	0.009420			
						RPD = 2.79			
17 Endrin									
1	100	8.819	8.818	0.001	24487399	0.0100			
2	100	10.351	10.351	0.000	66989765	0.009510			
						RPD = 5.23			
1 4,4'-DDD									
1	100	9.185	9.185	0.000	17812061	0.009423			
2	100	10.724	10.724	0.000	114833998	0.009271			
						RPD = 1.63			
15 Endosulfan II									
1	100	9.269	9.269	0.000	25553486	0.0101			
2	100	10.724	10.724	0.000	114833998	0.009271			
						RPD = 8.70			
3 4,4'-DDT									
1	100	9.705	9.706	-0.001	17254121	0.009192			
2	100	11.209	11.209	0.000	40682243	0.008720			
						RPD = 5.27			
18 Endrin aldehyde									
1	100	10.065	10.065	0.000	18487207	0.0101			
2	100	11.297	11.297	0.000	50472262	0.009610			
						RPD = 4.52			
27 Methoxychlor									
1	100	10.660	10.659	0.001	8343222	0.009504			
2	100	12.289	12.288	0.001	22271242	0.009640			
						RPD = 1.42			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.788	10.789	-0.001	21604981	0.009652			
2	100	11.730	11.730	0.000	57795628	0.009096			
						RPD = 5.94			
19 Endrin ketone									
1	100	11.189	11.188	0.001	23440569	0.0100			
2	100	12.467	12.467	0.000	59485799	0.009512			
						RPD = 5.12			
$ 10 DCB Decachlorobiphenyl									
1	100	12.801	12.802	-0.001	25086227	0.009827			
2	100	14.246	14.247	-0.001	62654026	0.009223			
						RPD = 6.34			

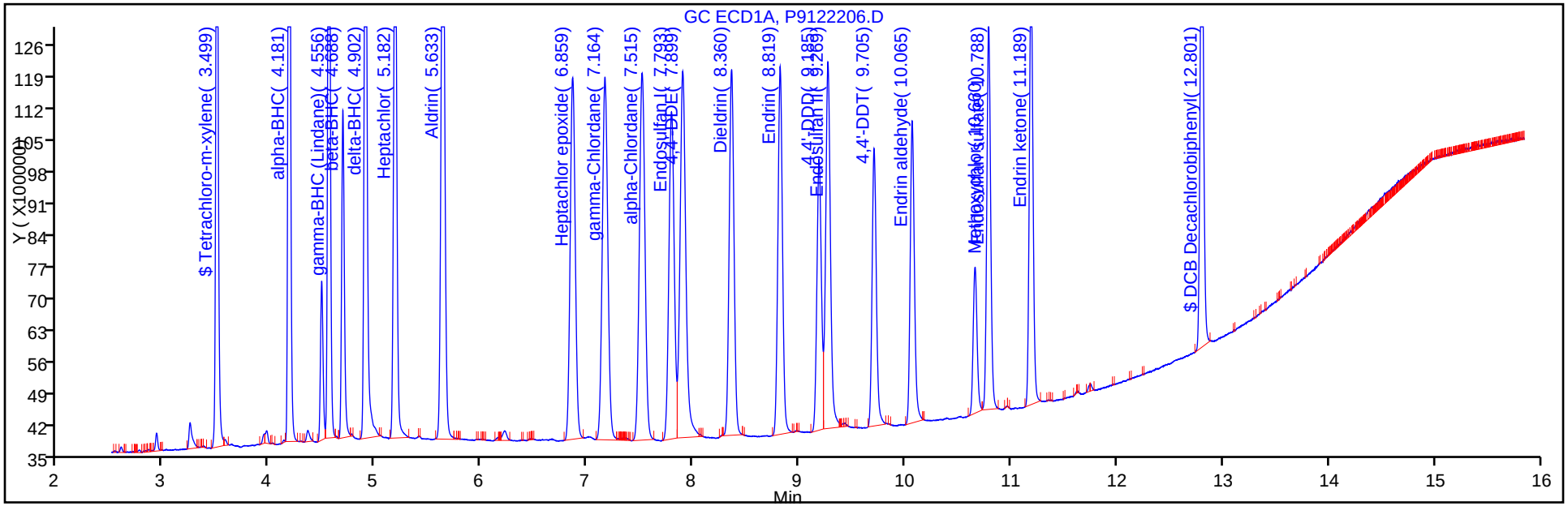
Report Date: 31-Dec-2012 10:57:47 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

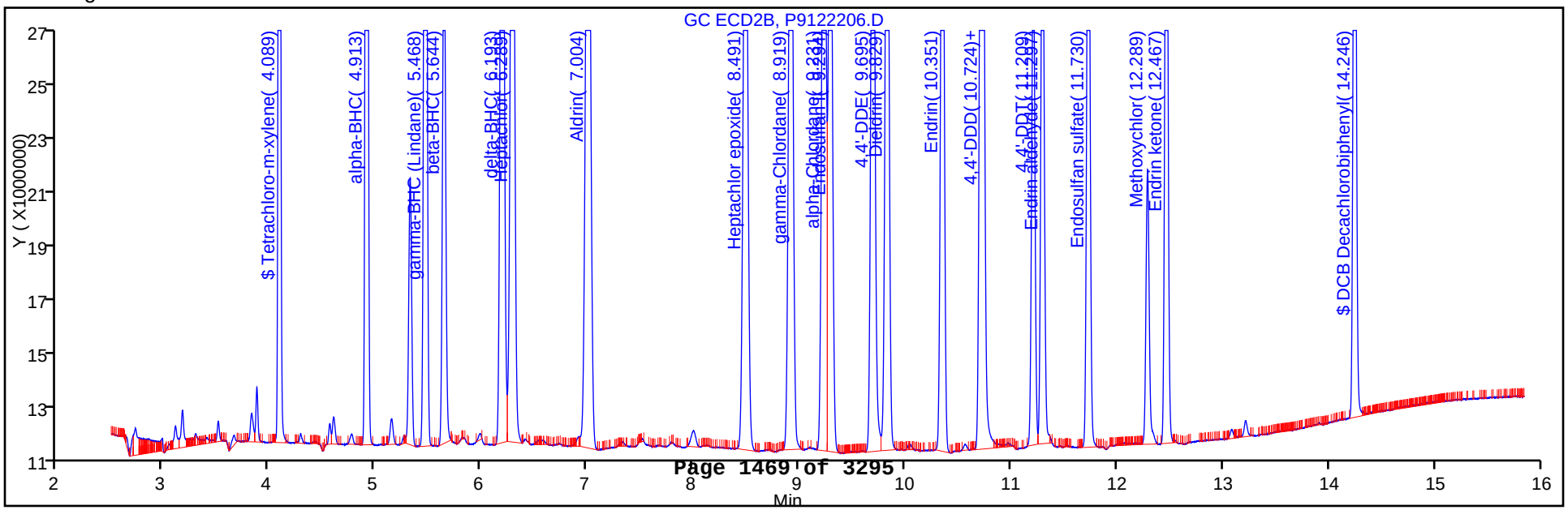
Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122206.D

Injection Date:	22-Dec-2012 13:36:04	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	6
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122207.D
Lims ID: STD AB L3 Client ID:
Inject. Date: 22-Dec-2012 14:00:36 Dil. Factor: 1.0000
Sample Type: ICRT Calib Level: 3
Sample ID: 240-0016122-007
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 7
Lims Batch ID: 69893 Lims Sample ID: 7
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\PEST9.m
Last Update: 31-Dec-2012 10:57:47 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK027

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.499	3.499	0.000	69709157	0.0256			
2	100	4.089	4.089	0.000	213055108	0.0243			
						RPD = 5.45			
5 alpha-BHC									
1	100	4.182	4.182	0.000	97225606	0.0255			
2	100	4.913	4.913	0.000	308826216	0.0234			
						RPD = 8.51			
20 gamma-BHC (Lindane)									
1	100	4.557	4.557	0.000	78811637	0.0253			
2	100	5.467	5.467	0.000	248326236	0.0238			
						RPD = 6.07			
7 beta-BHC									
1	100	4.689	4.689	0.000	33801404	0.0249			
2	100	5.643	5.643	0.000	107046996	0.0245			
						RPD = 1.51			
11 delta-BHC									
1	100	4.902	4.902	0.000	86186043	0.0255			
2	100	6.192	6.192	0.000	257325928	0.0237			
						RPD = 7.41			
22 Heptachlor									
1	100	5.183	5.183	0.000	69900088	0.0255			
2	100	6.289	6.289	0.000	211681542	0.0240			
						RPD = 5.79			
4 Aldrin									
1	100	5.633	5.633	0.000	90861079	0.0256			
2	100	7.005	7.005	0.000	256850215	0.0242			
						RPD = 5.62			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.860	6.860	0.000	70250045	0.0258			
2	100	8.492	8.492	0.000	204907789	0.0246			
						RPD = 4.99			
21 gamma-Chlordane									
1	100	7.166	7.166	0.000	77967213	0.0255			
2	100	8.919	8.919	0.000	215120969	0.0241			
						RPD = 5.52			
6 alpha-Chlordane									
1	100	7.516	7.516	0.000	80484307	0.0255			
2	100	9.232	9.232	0.000	213333957	0.0241			
						RPD = 5.55			
14 Endosulfan I									
1	100	7.794	7.794	0.000	65322703	0.0255			
2	100	9.294	9.294	0.000	172923071	0.0242			
						RPD = 5.17			
2 4,4'-DDE									
1	100	7.899	7.899	0.000	83092449	0.0251			
2	100	9.694	9.694	0.000	204863696	0.0237			
						RPD = 5.87			
13 Dieldrin									
1	100	8.361	8.361	0.000	67816390	0.0255			
2	100	9.829	9.829	0.000	191764710	0.0242			
						RPD = 5.48			
17 Endrin									
1	100	8.818	8.818	0.000	62577723	0.0256			
2	100	10.351	10.351	0.000	171226444	0.0243			
						RPD = 5.21			
1 4,4'-DDD									
1	100	9.185	9.185	0.000	47494586	0.0251			
2	100	10.724	10.724	0.000	300502115	0.0243			
						RPD = 3.51			
15 Endosulfan II									
1	100	9.269	9.269	0.000	64766416	0.0256			
2	100	10.724	10.724	0.000	300502115	0.0243			
						RPD = 5.51			
3 4,4'-DDT									
1	100	9.706	9.706	0.000	47639175	0.0254			
2	100	11.209	11.209	0.000	111228775	0.0238			
						RPD = 6.25			
18 Endrin aldehyde									
1	100	10.065	10.065	0.000	47518950	0.0258			
2	100	11.297	11.297	0.000	128695915	0.0245			
						RPD = 5.32			
27 Methoxychlor									
1	100	10.659	10.659	0.000	22616034	0.0258			
2	100	12.288	12.288	0.000	57766626	0.0250			
						RPD = 2.99			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.789	10.789	0.000	57448097	0.0257			
2	100	11.730	11.730	0.000	151291302	0.0238			
						RPD = 7.50			
19 Endrin ketone									
1	100	11.188	11.188	0.000	60034966	0.0256			
2	100	12.467	12.467	0.000	153508243	0.0245			
						RPD = 4.36			
$ 10 DCB Decachlorobiphenyl									
1	100	12.802	12.802	0.000	64152269	0.0251			
2	100	14.247	14.247	0.000	156739690	0.0231			
						RPD = 8.53			

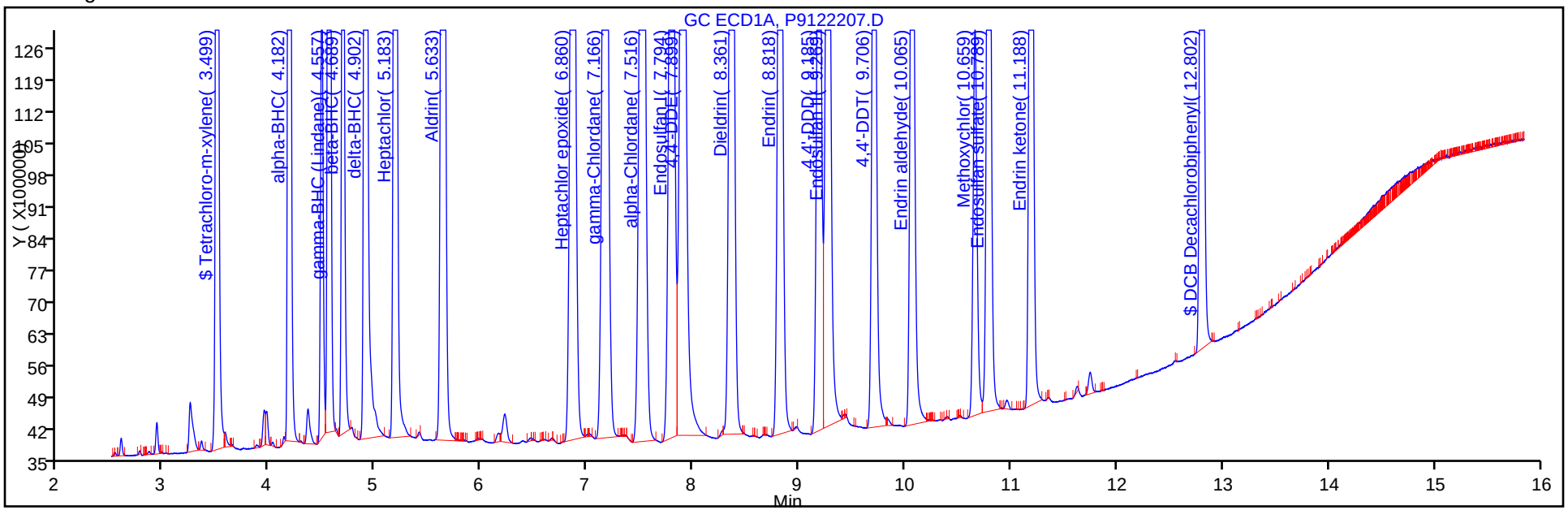
Report Date: 31-Dec-2012 10:57:49 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

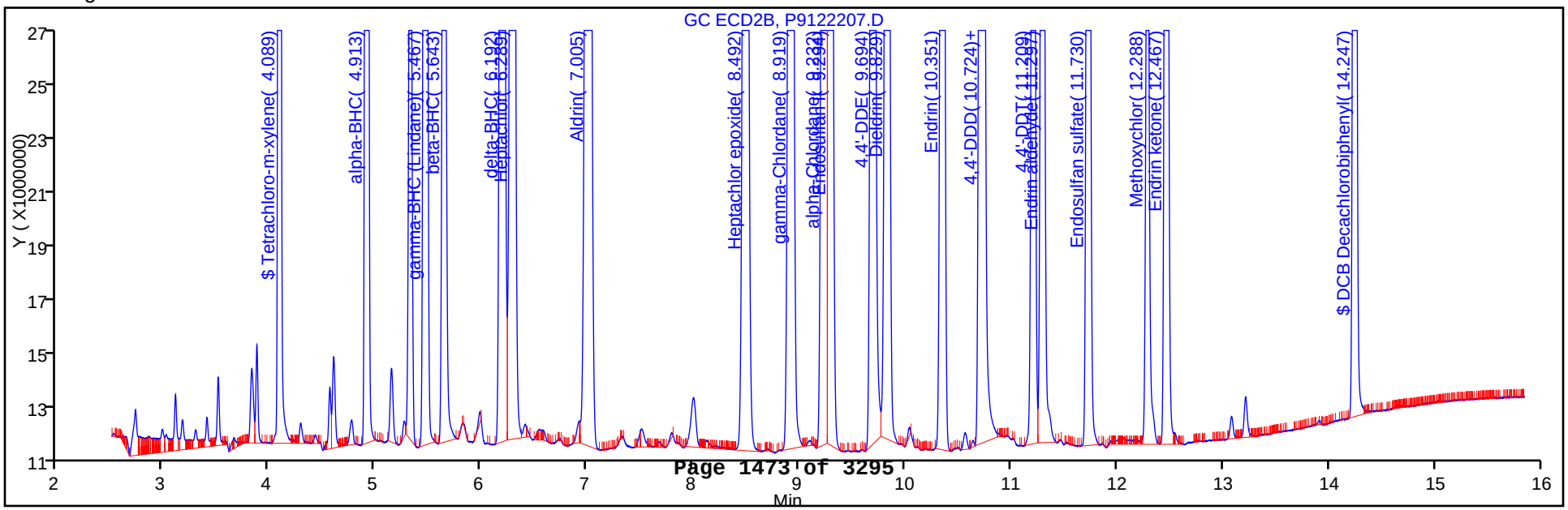
Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122207.D

Injection Date:	22-Dec-2012 14:00:36	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	7
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122208.D
Lims ID: STD AB L4 Client ID:
Inject. Date: 22-Dec-2012 14:25:04 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0016122-008
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 8
Lims Batch ID: 69893 Lims Sample ID: 8
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\PEST9.m
Last Update: 31-Dec-2012 10:57:50 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK027

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.499	3.499	0.000	139462966	0.0513			
2	100	4.089	4.089	0.000	448233184	0.0511			
						RPD = 0.42			
5 alpha-BHC									
1	100	4.181	4.182	-0.001	199128378	0.0523			
2	100	4.913	4.913	0.000	680587365	0.0516			
						RPD = 1.19			
20 gamma-BHC (Lindane)									
1	100	4.557	4.557	0.000	159933798	0.0513			
2	100	5.468	5.467	0.001	524627836	0.0503			
						RPD = 2.04			
7 beta-BHC									
1	100	4.690	4.689	0.001	69404387	0.0512			
2	100	5.644	5.643	0.001	213264607	0.0489			
						RPD = 4.53			
11 delta-BHC									
1	100	4.903	4.902	0.001	180298876	0.0534			
2	100	6.191	6.192	-0.001	560607394	0.0516			
						RPD = 3.35			
22 Heptachlor									
1	100	5.183	5.183	0.000	140049404	0.0510			
2	100	6.290	6.289	0.001	433309568	0.0492			
						RPD = 3.64			
4 Aldrin									
1	100	5.633	5.633	0.000	183831298	0.0517			
2	100	7.005	7.005	0.000	543364941	0.0511			
						RPD = 1.17			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.860	6.860	0.000	136236102	0.0501			
2	100	8.492	8.492	0.000	410586360	0.0492			
						RPD = 1.72			
21 gamma-Chlordane									
1	100	7.167	7.166	0.001	154763034	0.0505			
2	100	8.920	8.919	0.001	443834536	0.0497			
						RPD = 1.66			
6 alpha-Chlordane									
1	100	7.516	7.516	0.000	159105955	0.0504			
2	100	9.232	9.232	0.000	435205659	0.0492			
						RPD = 2.41			
14 Endosulfan I									
1	100	7.795	7.794	0.001	127923020	0.0500			
2	100	9.293	9.294	-0.001	352271817	0.0494			
						RPD = 1.23			
2 4,4'-DDE									
1	100	7.896	7.899	-0.003	170734885	0.0516			
2	100	9.693	9.694	-0.001	438712389	0.0507			
						RPD = 1.74			
13 Dieldrin									
1	100	8.361	8.361	0.000	135154167	0.0509			
2	100	9.830	9.829	0.001	397984159	0.0502			
						RPD = 1.43			
17 Endrin									
1	100	8.819	8.818	0.001	121885202	0.0499			
2	100	10.351	10.351	0.000	347339248	0.0493			
						RPD = 1.15			
1 4,4'-DDD									
1	100	9.184	9.185	-0.001	94778920	0.0501			
2	100	10.723	10.724	-0.001	612304510	0.0494			
						RPD = 1.42			
15 Endosulfan II									
1	100	9.270	9.269	0.001	125747171	0.0498			
2	100	10.723	10.724	-0.001	612304510	0.0494			
						RPD = 0.68			
3 4,4'-DDT									
1	100	9.708	9.706	0.002	94063674	0.0501			
2	100	11.209	11.209	0.000	230209879	0.0493			
						RPD = 1.55			
18 Endrin aldehyde									
1	100	10.067	10.065	0.002	91411749	0.0497			
2	100	11.296	11.297	-0.001	255677197	0.0487			
						RPD = 2.10			
27 Methoxychlor									
1	100	10.659	10.659	0.000	43925490	0.0500			
2	100	12.288	12.288	0.000	112475652	0.0487			
						RPD = 2.74			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.790	10.789	0.001	112939831	0.0505			
2	100	11.730	11.730	0.000	311526171	0.0490			
						RPD = 2.87			
19 Endrin ketone									
1	100	11.190	11.188	0.002	115049731	0.0491			
2	100	12.466	12.467	-0.001	304805373	0.0487			
						RPD = 0.81			
$ 10 DCB Decachlorobiphenyl									
1	100	12.800	12.802	-0.002	127747357	0.0500			
2	100	14.245	14.247	-0.002	331430382	0.0488			
						RPD = 2.54			

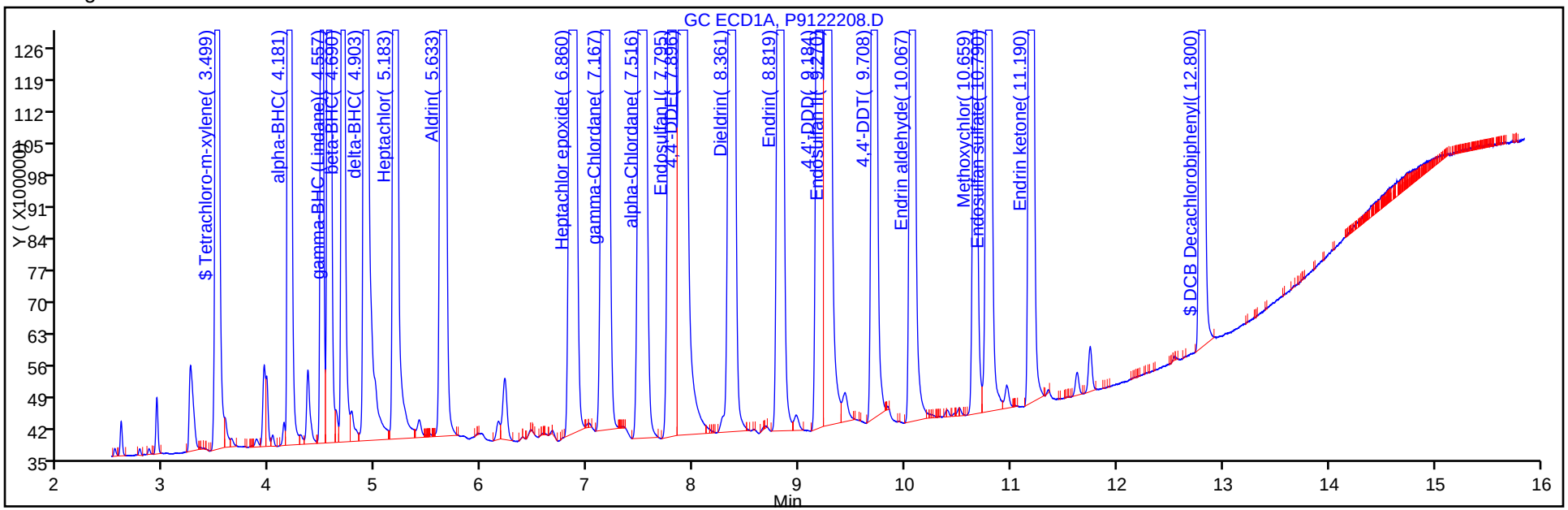
Report Date: 31-Dec-2012 10:57:51 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

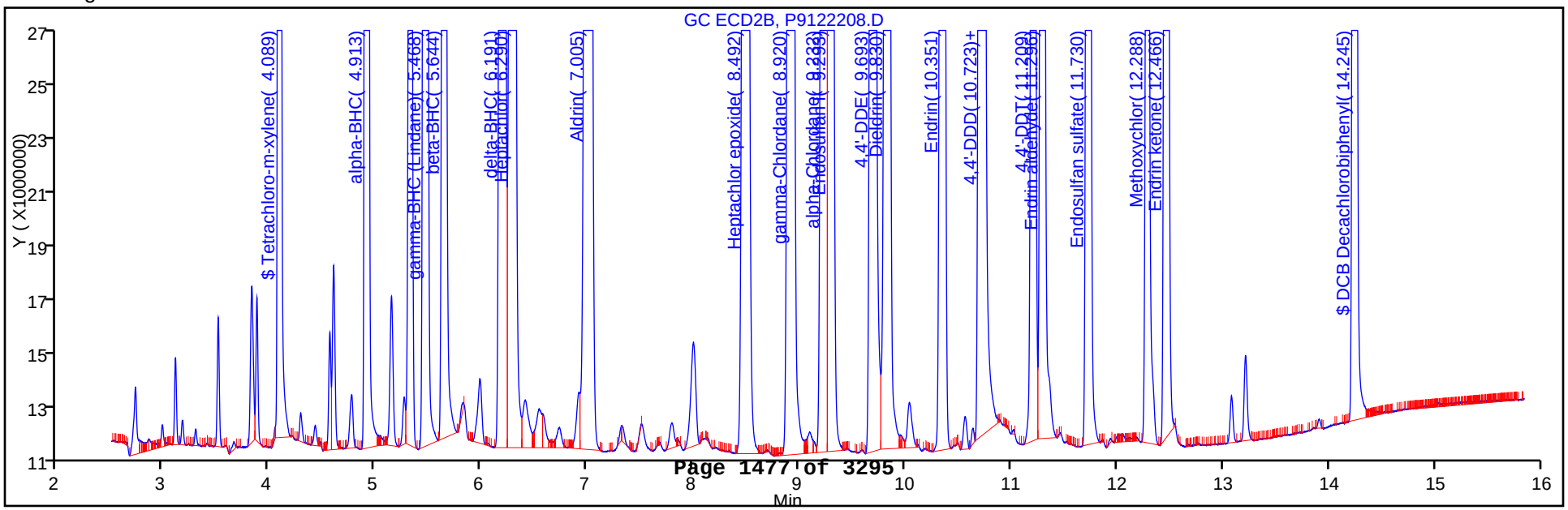
Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122208.D

Injection Date:	22-Dec-2012 14:25:04	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	8
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122209.D
Lims ID: STD AB L5 Client ID:
Inject. Date: 22-Dec-2012 14:49:15 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0016122-009
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 9
Lims Batch ID: 69893 Lims Sample ID: 9
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\PEST9.m
Last Update: 31-Dec-2012 10:57:52 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK027

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.498	3.499	-0.001	262943294	0.0967			
2	100	4.088	4.089	-0.001	879316557	0.1002			
						RPD = 3.55			
5 alpha-BHC									
1	100	4.180	4.182	-0.002	381822365	0.1002			
2	100	4.913	4.913	0.000	1395374427	0.1059			
						RPD = 5.50			
20 gamma-BHC (Lindane)									
1	100	4.557	4.557	0.000	308770266	0.0991			
2	100	5.467	5.467	0.000	1056831643	0.1013			
						RPD = 2.21			
7 beta-BHC									
1	100	4.688	4.689	-0.001	130420504	0.0961			
2	100	5.643	5.643	0.000	412268220	0.0945			
						RPD = 1.70			
11 delta-BHC									
1	100	4.901	4.902	-0.001	344231124	0.1020			
2	100	6.192	6.192	0.000	1139357612	0.1050			
						RPD = 2.90			
22 Heptachlor									
1	100	5.182	5.183	-0.001	259452666	0.0946			
2	100	6.290	6.289	0.001	832326654	0.0945			
						RPD = 0.02			
4 Aldrin									
1	100	5.633	5.633	0.000	342887671	0.0964			
2	100	7.003	7.005	-0.002	1055509587	0.0993			
						RPD = 2.90			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.859	6.860	-0.001	256707908	0.0943			
2	100	8.492	8.492	0.000	803900629	0.0963			
						RPD = 2.11			
21 gamma-Chlordane									
1	100	7.164	7.166	-0.002	297562677	0.0971			
2	100	8.918	8.919	-0.001	872214824	0.0977			
						RPD = 0.53			
6 alpha-Chlordane									
1	100	7.513	7.516	-0.003	304840838	0.0965			
2	100	9.231	9.232	-0.001	861233697	0.0973			
						RPD = 0.82			
14 Endosulfan I									
1	100	7.793	7.794	-0.001	241329662	0.0943			
2	100	9.292	9.294	-0.002	676491548	0.0948			
						RPD = 0.55			
2 4,4'-DDE									
1	100	7.896	7.899	-0.003	321466589	0.0972			
2	100	9.693	9.694	-0.001	860277310	0.0995			
						RPD = 2.33			
13 Dieldrin									
1	100	8.358	8.361	-0.003	258174638	0.0972			
2	100	9.828	9.829	-0.001	775666861	0.0978			
						RPD = 0.58			
17 Endrin									
1	100	8.818	8.818	0.000	232555056	0.0952			
2	100	10.351	10.351	0.000	689393313	0.0979			
						RPD = 2.80			
1 4,4'-DDD									
1	100	9.183	9.185	-0.002	188855390	0.0999			
2	100	10.723	10.724	-0.001	1230378009	0.0993			
						RPD = 0.58			
15 Endosulfan II									
1	100	9.271	9.269	0.002	238165903	0.0943			
2	100	10.723	10.724	-0.001	1230378009	0.0993			
						RPD = 5.23			
3 4,4'-DDT									
1	100	9.704	9.706	-0.002	191077728	0.1018			
2	100	11.208	11.209	-0.001	480152385	0.1029			
						RPD = 1.09			
18 Endrin aldehyde									
1	100	10.065	10.065	0.000	173556428	0.0944			
2	100	11.297	11.297	0.000	503014635	0.0958			
						RPD = 1.46			
27 Methoxychlor									
1	100	10.658	10.659	-0.001	85258072	0.0971			
2	100	12.288	12.288	0.000	222930875	0.0965			
						RPD = 0.64			

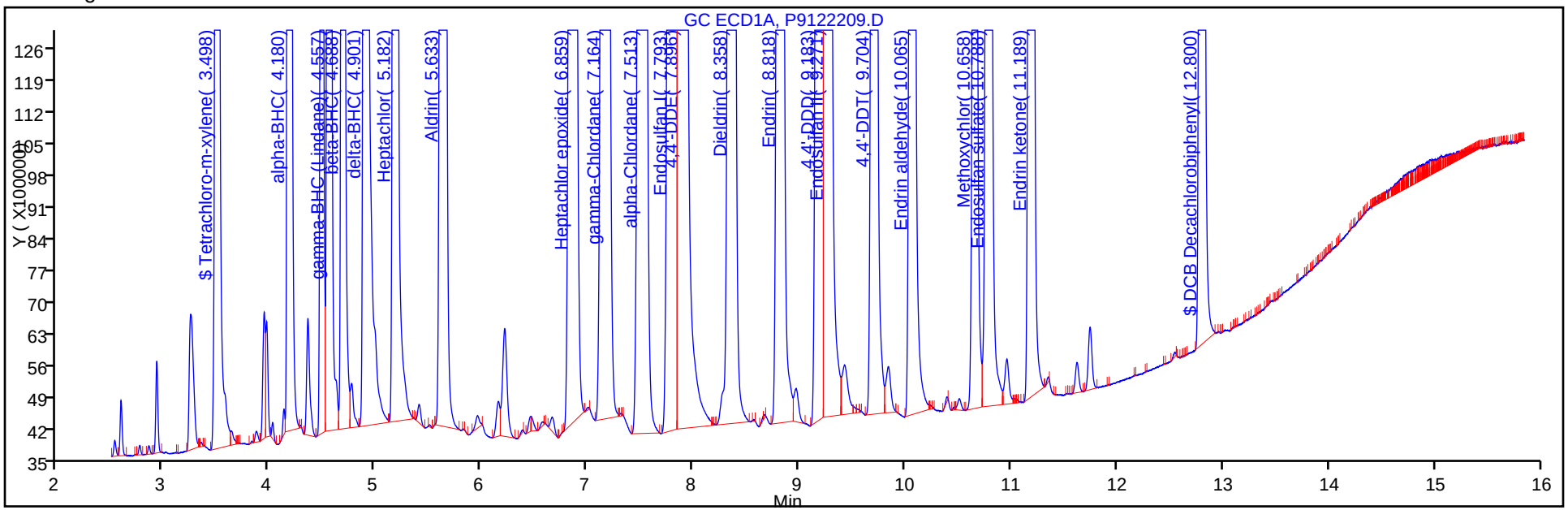
Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.788	10.789	-0.001	217508546	0.0972			
2	100	11.730	11.730	0.000	641191798	0.1009			
						RPD = 3.77			
19 Endrin ketone									
1	100	11.189	11.188	0.001	219898772	0.0939			
2	100	12.466	12.467	-0.001	610796928	0.0977			
						RPD = 3.91			
$ 10 DCB Decachlorobiphenyl									
1	100	12.800	12.802	-0.002	242031398	0.0948			
2	100	14.245	14.247	-0.002	662069990	0.0975			
						RPD = 2.76			

Report Date: 31-Dec-2012 10:57:53 Chrom Revision: 2.0 27-Nov-2012 13:14:12

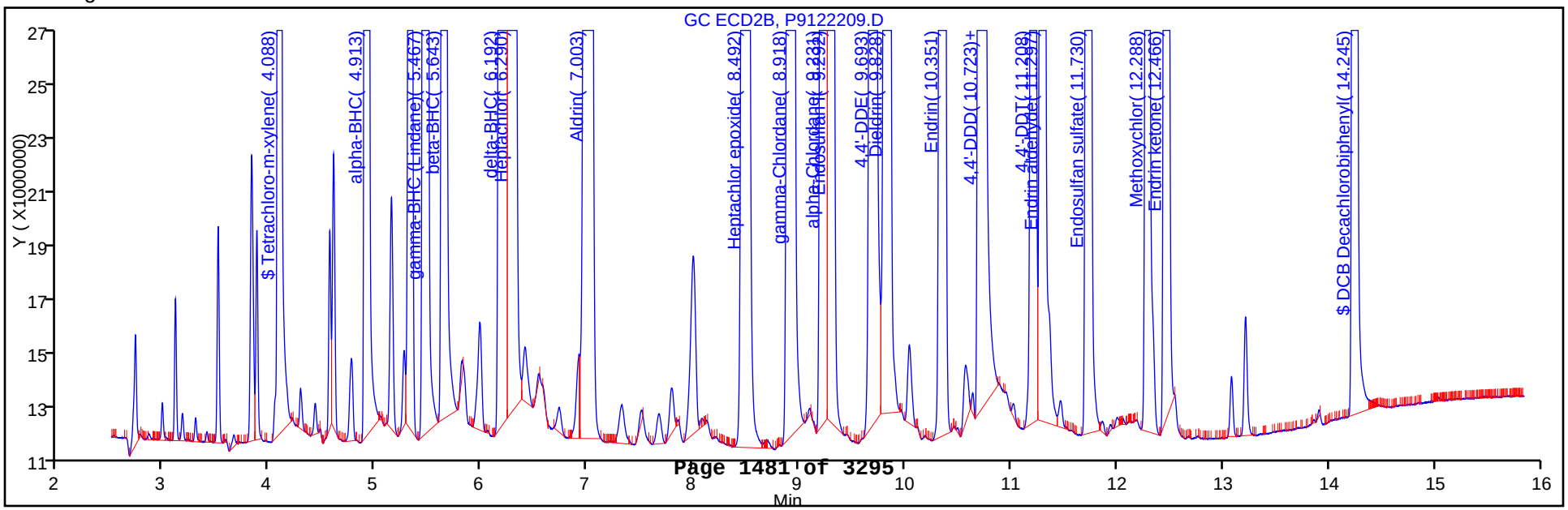
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122209.D		
Injection Date:	22-Dec-2012 14:49:15	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	9
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122210.D
Lims ID: STD AB L6 Client ID:
Inject. Date: 22-Dec-2012 15:13:25 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 240-0016122-010
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 10
Lims Batch ID: 69893 Lims Sample ID: 10
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\PEST9.m
Last Update: 31-Dec-2012 10:57:54 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK027

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.498	3.499	-0.001	499594893	0.1838			
2	100	4.089	4.089	0.000	1876708630	0.2139			
						RPD = 15.14			
5 alpha-BHC									
1	100	4.181	4.182	-0.001	768141767	0.2016			
2	100	4.914	4.913	0.001	3286719172	0.2494			
						RPD = 21.20			
20 gamma-BHC (Lindane)									
1	100	4.556	4.557	-0.001	636231107	0.2042			
2	100	5.467	5.467	0.000	2498251771	0.2395			
						RPD = 15.91			
7 beta-BHC									
1	100	4.688	4.689	-0.001	260444227	0.1920			
2	100	5.643	5.643	0.000	915946127	0.2100			
						RPD = 8.96			
11 delta-BHC									
1	100	4.901	4.902	-0.001	687185120	0.2036			
2	100	6.192	6.192	0.000	2630677835	0.2424			
						RPD = 17.40			
22 Heptachlor									
1	100	5.182	5.183	-0.001	535800491	0.1953			
2	100	6.291	6.289	0.002	1895283610	0.2153			
						RPD = 9.74			
4 Aldrin									
1	100	5.633	5.633	0.000	663261771	0.1865			
2	100	7.006	7.005	0.001	2253559642	0.2119			
						RPD = 12.75			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.859	6.860	-0.001	520246976	0.1912			
2	100	8.491	8.492	-0.001	1763207285	0.2113			
						RPD = 10.01			
21 gamma-Chlordane									
1	100	7.166	7.166	0.000	612435203	0.1999			
2	100	8.920	8.919	0.001	1967602335	0.2203			
						RPD = 9.69			
6 alpha-Chlordane									
1	100	7.516	7.516	0.000	621295183	0.1967			
2	100	9.232	9.232	0.000	1914475532	0.2164			
						RPD = 9.50			
14 Endosulfan I									
1	100	7.793	7.794	-0.001	488935665	0.1911			
2	100	9.293	9.294	-0.001	1495459708	0.2096			
						RPD = 9.26			
2 4,4'-DDE									
1	100	7.896	7.899	-0.003	643528254	0.1946			
2	100	9.693	9.694	-0.001	1896085231	0.2193			
						RPD = 11.94			
13 Dieldrin									
1	100	8.359	8.361	-0.002	523169800	0.1971			
2	100	9.829	9.829	0.000	1709607295	0.2156			
						RPD = 8.98			
17 Endrin									
1	100	8.817	8.818	-0.001	468447209	0.1917			
2	100	10.351	10.351	0.000	1535350320	0.2180			
						RPD = 12.82			
1 4,4'-DDD									
1	100	9.182	9.185	-0.003	400866929	0.2121			
2	100	10.722	10.724	-0.002	2795664895	0.2257			
						RPD = 6.22			
15 Endosulfan II									
1	100	9.267	9.269	-0.002	479691393	0.1899			
2	100	10.722	10.724	-0.002	2795664895	0.2257			
						RPD = 17.25			
3 4,4'-DDT									
1	100	9.706	9.706	0.000	416361372	0.2218			
2	100	11.208	11.209	-0.001	1150455718	0.2466			
						RPD = 10.58			
18 Endrin aldehyde									
1	100	10.065	10.065	0.000	357675806	0.1945			
2	100	11.296	11.297	-0.001	1125612417	0.2143			
						RPD = 9.69			
27 Methoxychlor									
1	100	10.656	10.659	-0.003	176718160	0.2013			
2	100	12.287	12.288	-0.001	500747539	0.2167			
						RPD = 7.39			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.789	10.789	0.000	441429688	0.1972			
2	100	11.730	11.730	0.000	1488435239	0.2342			
						RPD = 17.17			
19 Endrin ketone									
1	100	11.188	11.188	0.000	456849243	0.1951			
2	100	12.466	12.467	-0.001	1369464177	0.2190			
						RPD = 11.52			
$ 10 DCB Decachlorobiphenyl									
1	100	12.801	12.802	-0.001	501258059	0.1964			
2	100	14.246	14.247	-0.001	1569230971	0.2310			
						RPD = 16.21			

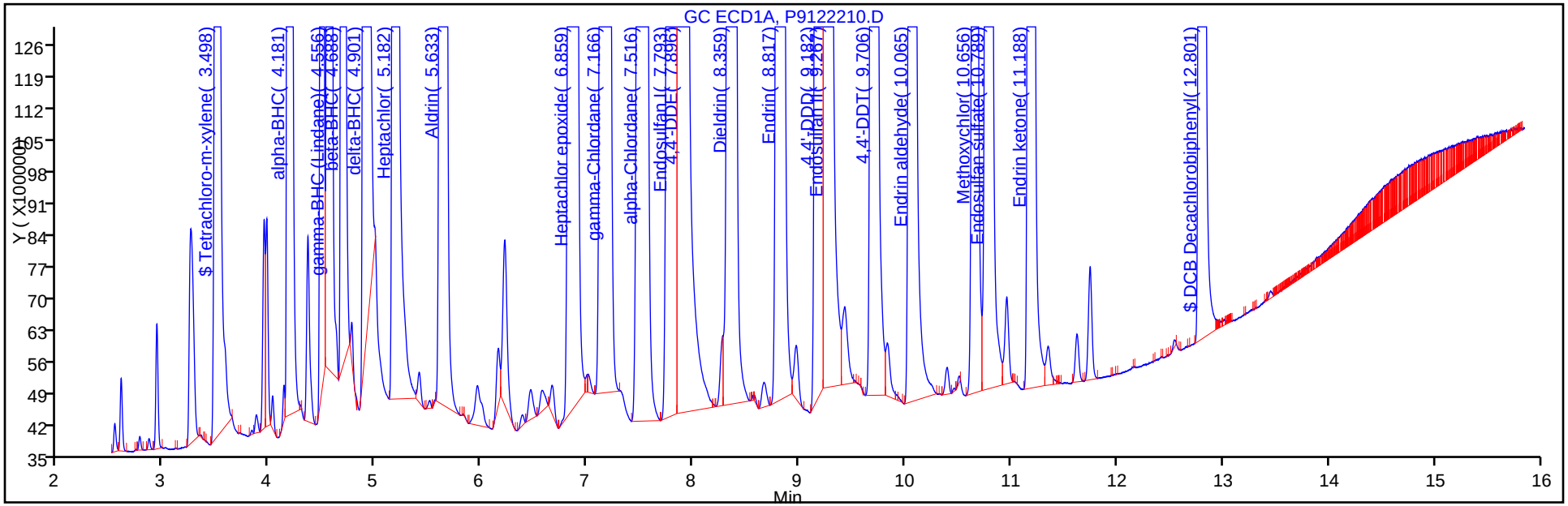
Report Date: 31-Dec-2012 10:57:56 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

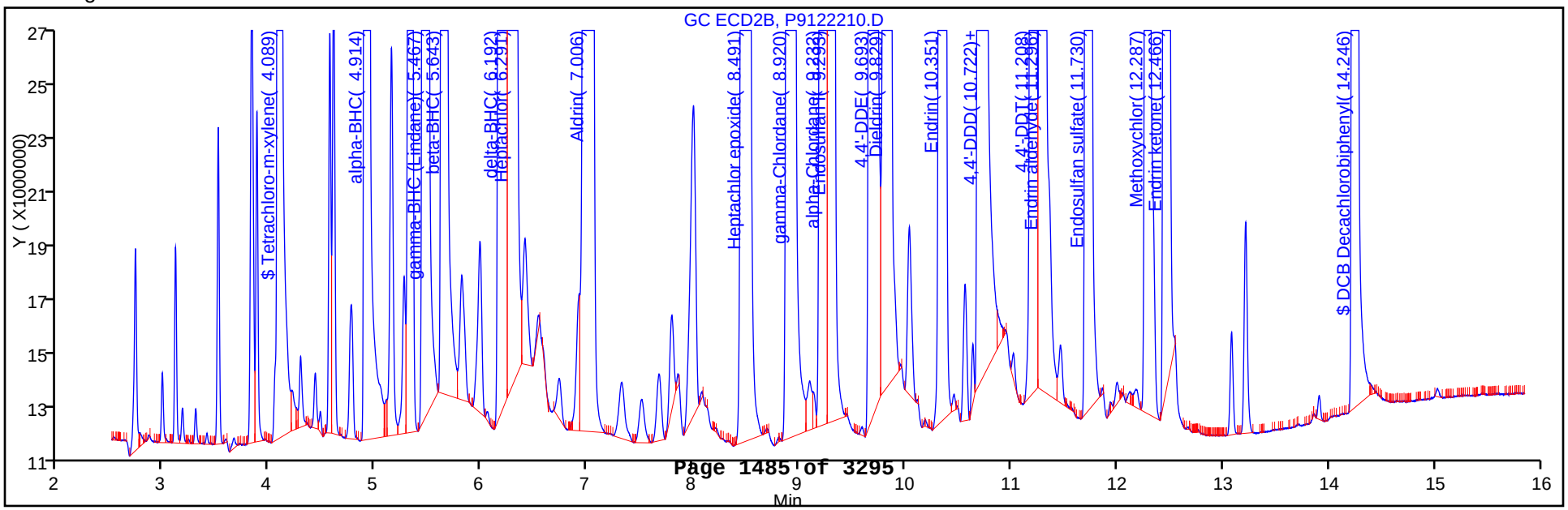
Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122210.D

Injection Date:	22-Dec-2012 15:13:25	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	10
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: PEM 240-67554/4 Calibration Date: 12/06/2012 10:20

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 03:51

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 11/28/2012 05:55

Lab File ID: P9120604.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	8.83	113984532	5.80	15	
Endrin aldehyde	10.07	2229807			
Endrin ketone	11.19	4788174			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	9.71	204260084	1.30	15	
4,4'-DDD	9.19	1003969			
4,4'-DDE	7.91	1679325			

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120604.D
Lims ID: PEM Client ID:
Inject. Date: 06-Dec-2012 10:20:19 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: 240-0015581-004
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 67554 Lims Sample ID: 4
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\PEST9.m
Last Update: 07-Dec-2012 10:25:12 Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

First Level Reviewer: vandorenc Date: 07-Dec-2012 08:52:03

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.502	3.501	0.001	53777115	0.0207			
2	100	4.095	4.094	0.001	156359033	0.0202			
						RPD = 2.52			
5 alpha-BHC									
1	100	4.184	4.185	-0.001	34899847	0.0102			
2	100	4.920	4.921	-0.001	104134514	0.009643			
						RPD = 5.62			
20 gamma-BHC (Lindane)									
1	100	4.560	4.560	0.000	30852504	0.0106			
2	100	5.477	5.477	0.000	93294747	0.0104			
						RPD = 1.84			
7 beta-BHC									
1	100	4.690	4.691	-0.001	13423299	0.0107			
2	100	5.653	5.653	0.000	40910916	0.0108			
						RPD = 1.00			
2 4,4'-DDE									
1	100	7.906	7.906	0.000	1679325	0.000563			
2	100	9.705	9.706	-0.001	4207935	0.000561			
						RPD = 0.28			
17 Endrin									
1	100	8.826	8.827	-0.001	113984532	0.0503			
2	100	10.364	10.363	0.001	304525998	0.0481			
						RPD = 4.40			
1 4,4'-DDD									M
1	100	9.190	9.188	0.002	1003969	0.000547			M
2	100	10.729	10.735	-0.006	3836126	0.000356			
						RPD = 42.37			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 4,4'-DDT									
1	100	9.710	9.711	-0.001	204260084	0.1024			
2	100	11.220	11.221	-0.001	536896954	0.1089			
						RPD = 6.17			
18 Endrin aldehyde									
1	100	10.069	10.071	-0.002	2229807	0.001239			M
2	100	11.309	11.309	0.000	5497627	0.001162			
						RPD = 6.42			
27 Methoxychlor									
1	100		10.661						
2	100		12.297						
19 Endrin ketone									
1	100	11.193	11.194	-0.001	4788174	0.002134			
2	100	12.478	12.478	0.000	14442060	0.002504			
						RPD = 15.96			

QC Flag Legend

Review Flags
M - Manually Integrated

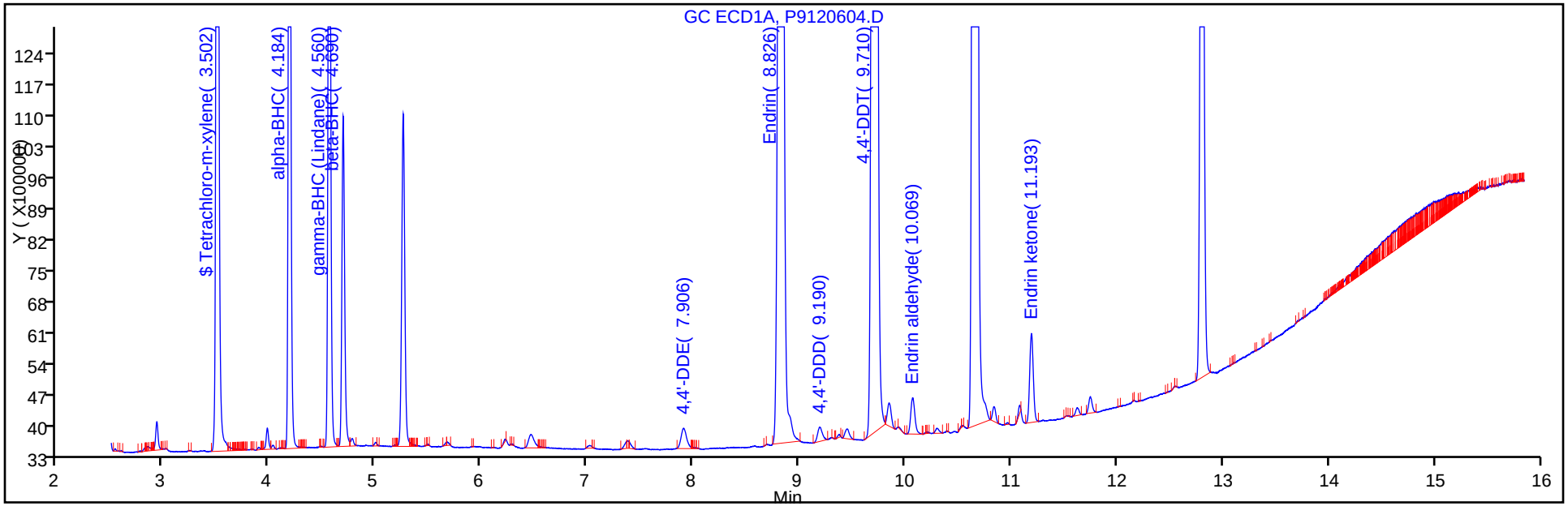
Report Date: 07-Dec-2012 10:25:13 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

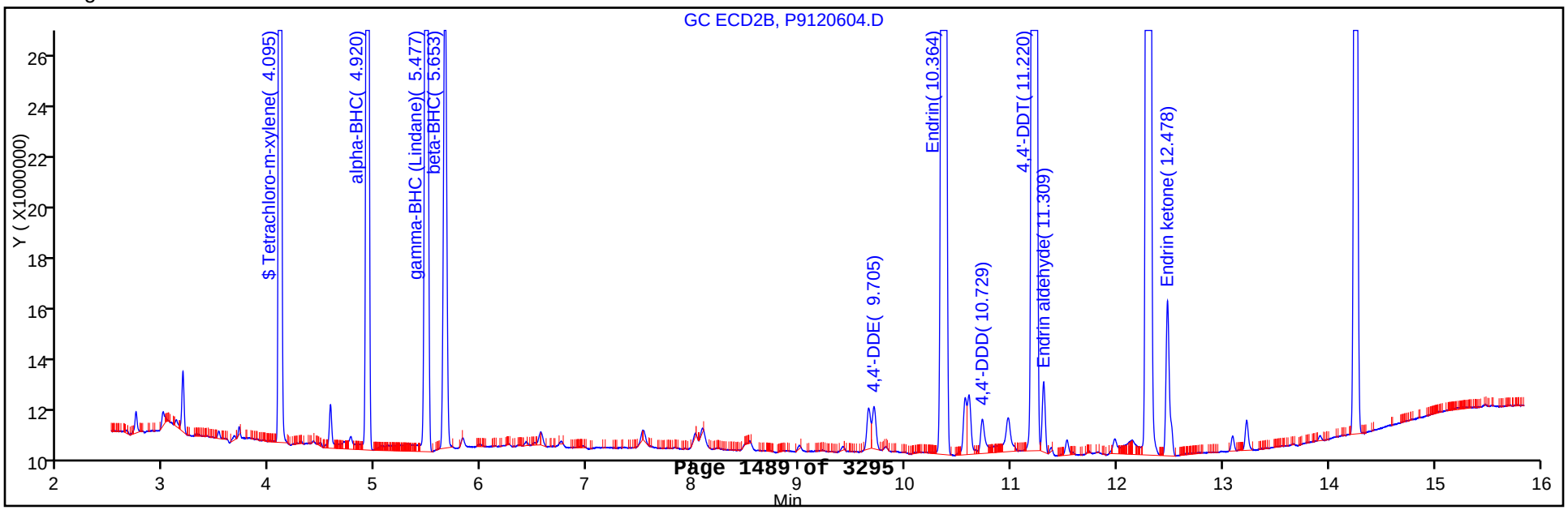
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120604.D

Injection Date:	06-Dec-2012 10:20:19	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	4
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

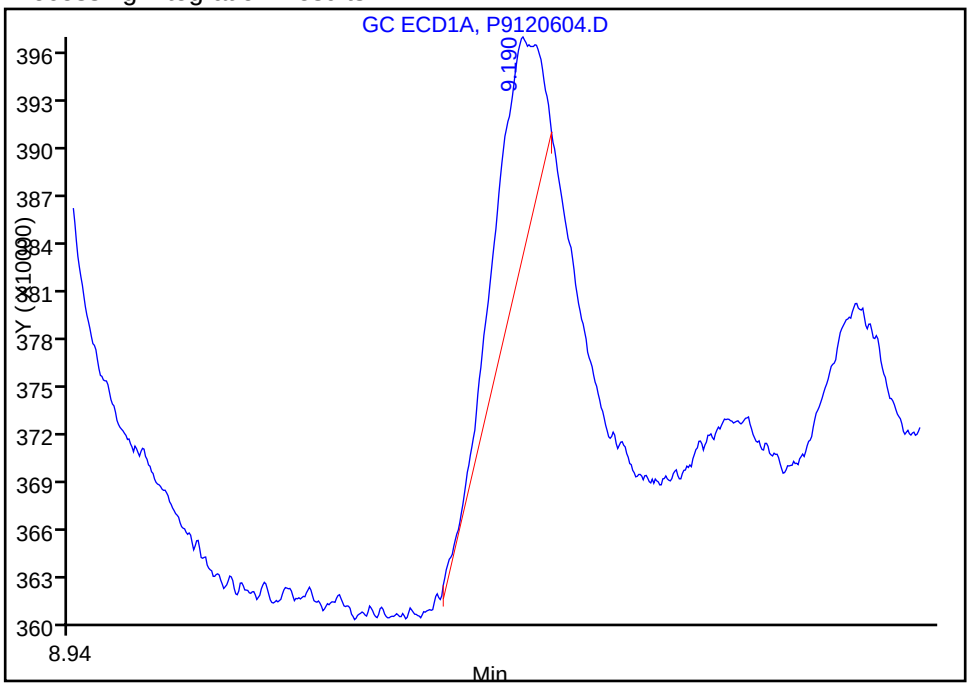
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120604.D		
Injection Date:	06-Dec-2012 10:20:19	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	4
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

1 4,4'-DDD, Signal: 1, Type: quant, RT: 9.19, Det: GC ECD1A

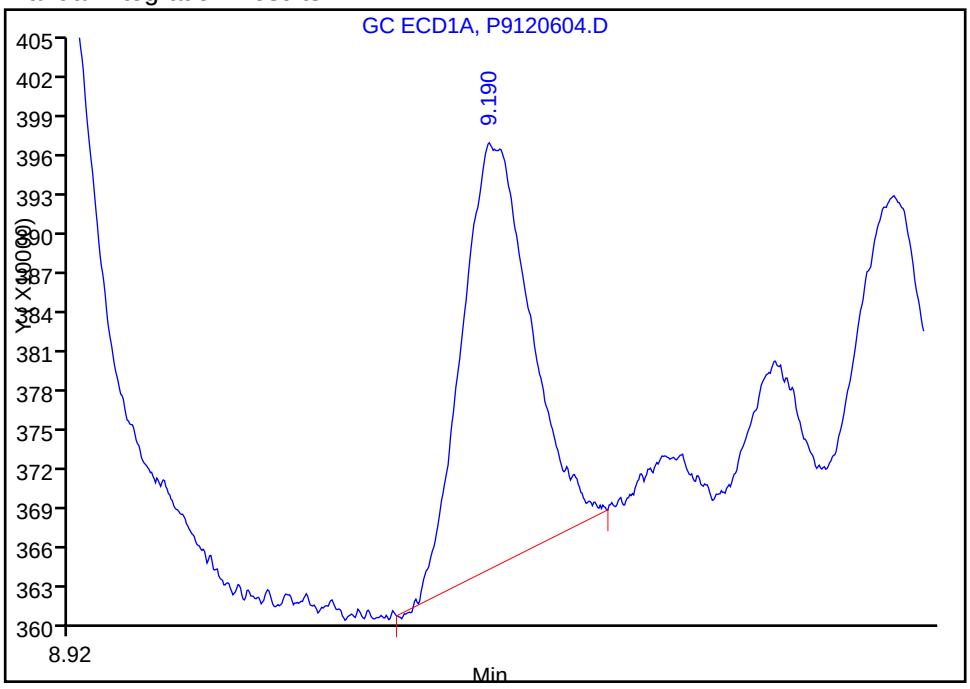
Processing Integration Results

RT: 9.19
Response: 237847
Amount: 0.000130



Manual Integration Results

RT: 9.19
Response: 1003969
Amount: 0.000547



Reviewer: vandorenc, 07-Dec-2012 08:52:03
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: PEM 240-67554/4 Calibration Date: 12/06/2012 10:20

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 03:51

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 11/28/2012 05:55

Lab File ID: P9120604.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	10.36	304525998	6.15	15	
Endrin aldehyde	11.31	5497627			
Endrin ketone	12.48	14442060			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	11.22	536896954	1.48	15	
4,4'-DDD	10.73	3836126			
4,4'-DDE	9.71	4207935			

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120604.D
Lims ID: PEM Client ID:
Inject. Date: 06-Dec-2012 10:20:19 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: 240-0015581-004
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 67554 Lims Sample ID: 4
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\PEST9.m
Last Update: 07-Dec-2012 10:25:12 Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

First Level Reviewer: vandorenc Date: 07-Dec-2012 08:52:03

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.502	3.501	0.001	53777115	0.0207			
2	100	4.095	4.094	0.001	156359033	0.0202			
						RPD = 2.52			
5 alpha-BHC									
1	100	4.184	4.185	-0.001	34899847	0.0102			
2	100	4.920	4.921	-0.001	104134514	0.009643			
						RPD = 5.62			
20 gamma-BHC (Lindane)									
1	100	4.560	4.560	0.000	30852504	0.0106			
2	100	5.477	5.477	0.000	93294747	0.0104			
						RPD = 1.84			
7 beta-BHC									
1	100	4.690	4.691	-0.001	13423299	0.0107			
2	100	5.653	5.653	0.000	40910916	0.0108			
						RPD = 1.00			
2 4,4'-DDE									
1	100	7.906	7.906	0.000	1679325	0.000563			
2	100	9.705	9.706	-0.001	4207935	0.000561			
						RPD = 0.28			
17 Endrin									
1	100	8.826	8.827	-0.001	113984532	0.0503			
2	100	10.364	10.363	0.001	304525998	0.0481			
						RPD = 4.40			
1 4,4'-DDD									M
1	100	9.190	9.188	0.002	1003969	0.000547			M
2	100	10.729	10.735	-0.006	3836126	0.000356			
						RPD = 42.37			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 4,4'-DDT									
1	100	9.710	9.711	-0.001	204260084	0.1024			
2	100	11.220	11.221	-0.001	536896954	0.1089			
						RPD = 6.17			
18 Endrin aldehyde									
1	100	10.069	10.071	-0.002	2229807	0.001239			M
2	100	11.309	11.309	0.000	5497627	0.001162			
						RPD = 6.42			
27 Methoxychlor									
1	100		10.661						
2	100		12.297						
19 Endrin ketone									
1	100	11.193	11.194	-0.001	4788174	0.002134			
2	100	12.478	12.478	0.000	14442060	0.002504			
						RPD = 15.96			

QC Flag Legend

Review Flags
M - Manually Integrated

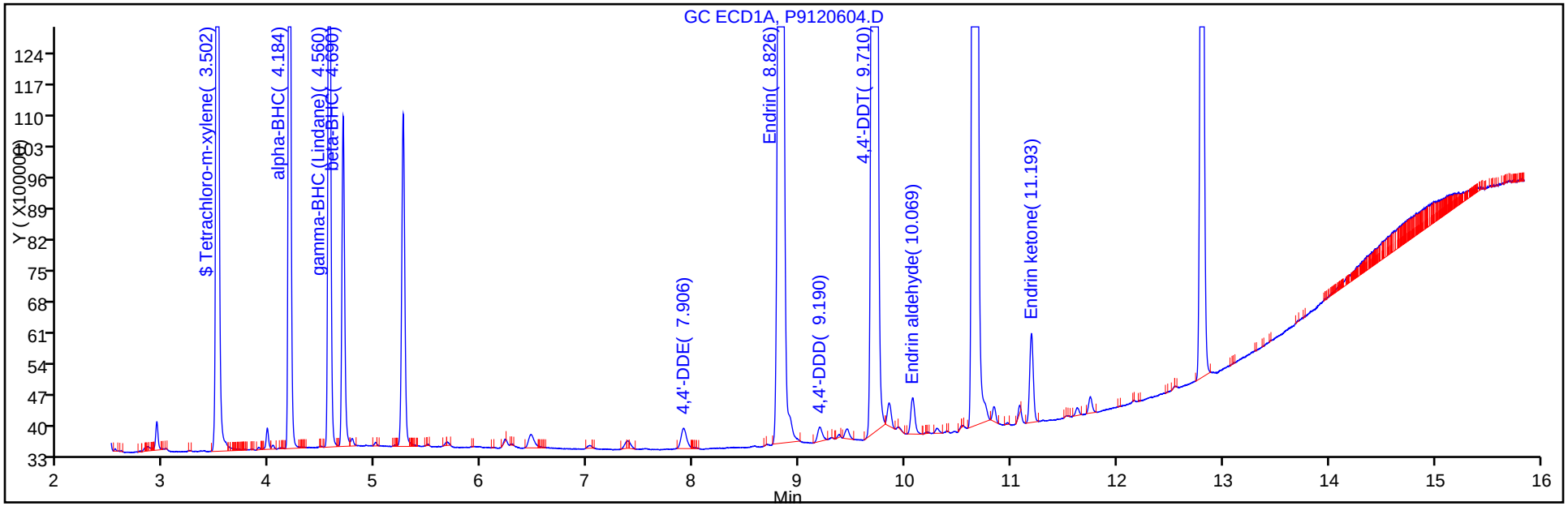
Report Date: 07-Dec-2012 10:25:13 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

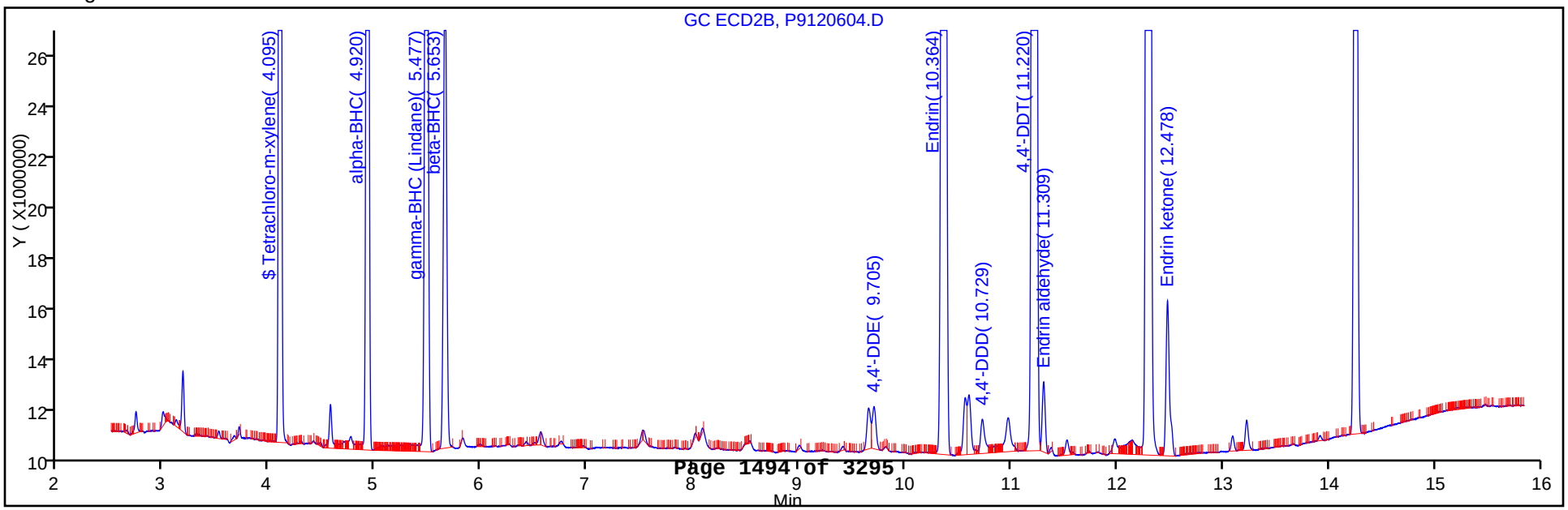
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120604.D

Injection Date:	06-Dec-2012 10:20:19	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	4
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: PEM 240-69152/4 Calibration Date: 12/18/2012 10:00

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 10:48

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/06/2012 13:08

Lab File ID: P9121804.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	8.82	97699380	2.23	15	
Endrin aldehyde	10.08	767814			
Endrin ketone	11.19	1460797			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	9.71	157704751	3.40	15	
4,4'-DDD	9.19	4351951			
4,4'-DDE	7.90	1202082			

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\P9121804.D
Lims ID: PEM Client ID:
Inject. Date: 18-Dec-2012 10:00:10 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: 240-0015955-004
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 69152 Lims Sample ID: 4
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\PEST9.m
Last Update: 19-Dec-2012 12:49:59 Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK024

First Level Reviewer: vandorenc Date: 19-Dec-2012 12:32:50

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.501	3.501	0.000	52269323	0.0202			
2	100	4.092	4.091	0.001	168251030	0.0218			
						RPD = 7.65			
5 alpha-BHC									
1	100	4.182	4.184	-0.002	27665372	0.008086			
2	100	4.917	4.917	0.000	89967163	0.008331			
						RPD = 2.98			
20 gamma-BHC (Lindane)									
1	100	4.560	4.560	0.000	24537674	0.008421			
2	100	5.473	5.473	0.000	80612605	0.008983			
						RPD = 6.45			
7 beta-BHC									
1	100	4.691	4.691	0.000	11478791	0.009181			
2	100	5.650	5.649	0.001	37248535	0.009874			
						RPD = 7.27			
2 4,4'-DDE									
1	100	7.904	7.903	0.001	1202082	0.000403			
2	100	9.703	9.700	0.003	4284206	0.000571			
						RPD = 34.60			
17 Endrin									
1	100	8.822	8.825	-0.003	97699380	0.0431			
2	100	10.361	10.357	0.004	290828262	0.0460			
						RPD = 6.41			
1 4,4'-DDD									
1	100	9.189	9.188	0.001	4351951	0.002370			
2	100	10.723	10.728	-0.005	14571525	0.001350			
						RPD = 54.79			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 4,4'-DDT									
1	100	9.709	9.709	0.000	157704751	0.0791			
2	100	11.216	11.215	0.001	428383574	0.0869			
						RPD = 9.45			
18 Endrin aldehyde									
1	100	10.084	10.071	0.013	767814	0.000427			7M
2	100	11.306	11.302	0.004	1241771	0.000262			7
						RPD = 47.66			
LOD = 0.000500									
27 Methoxychlor									
1	100		10.660						
2	100		12.293						
19 Endrin ketone									
1	100	11.192	11.193	-0.001	1460797	0.000651			
2	100	12.477	12.473	0.004	3664971	0.000635			
						RPD = 2.42			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

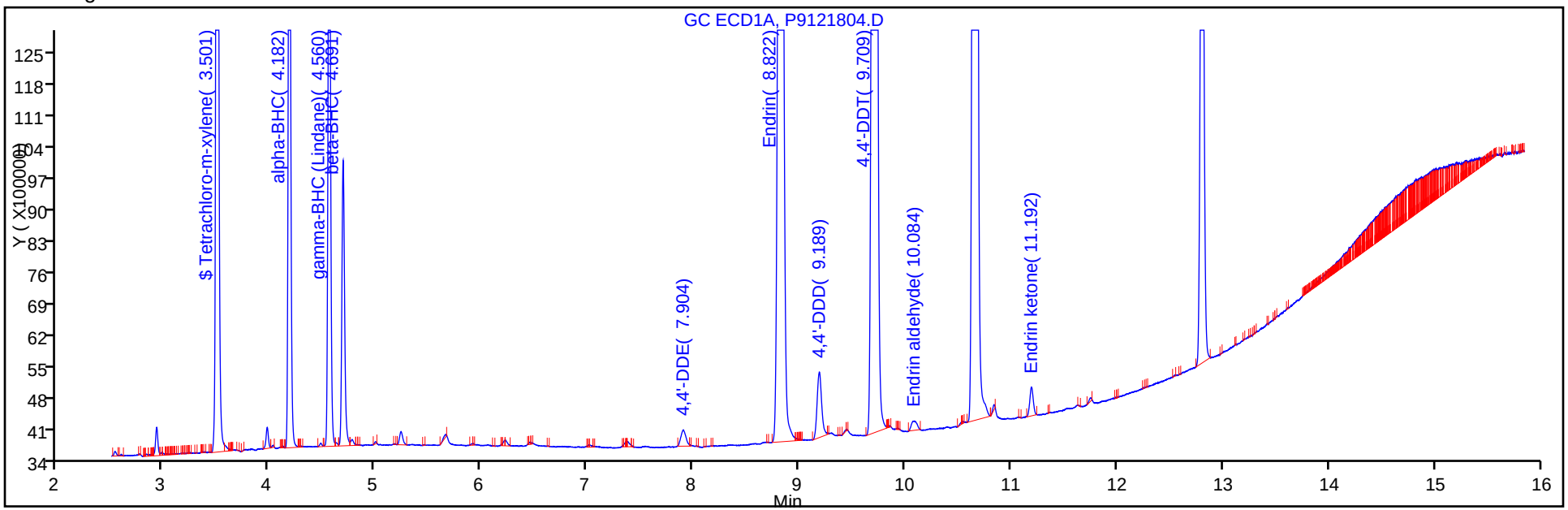
Report Date: 19-Dec-2012 12:50:00 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

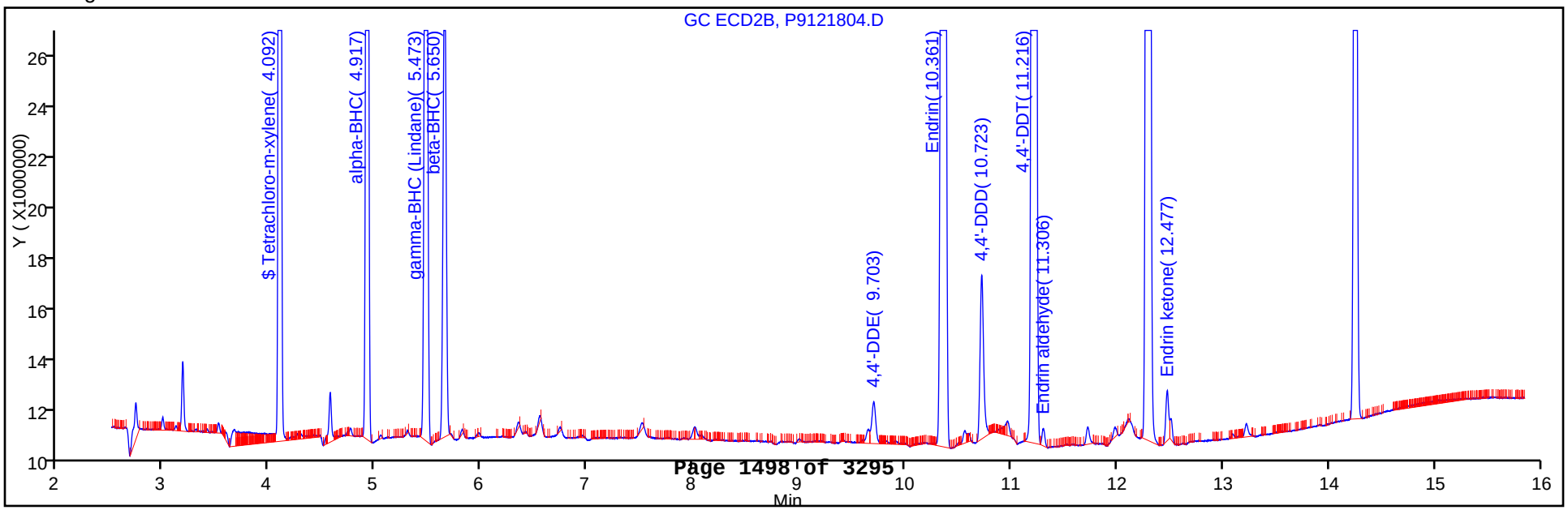
Data File: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\P9121804.D

Injection Date:	18-Dec-2012 10:00:10	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69152	Lims Sample ID:	4
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: PEM 240-69152/4 Calibration Date: 12/18/2012 10:00

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 10:48

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/06/2012 13:08

Lab File ID: P9121804.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	10.36	290828262	1.66	15	
Endrin aldehyde	11.31	1241771			
Endrin ketone	12.48	3664971			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	11.22	428383574	4.22	15	
4,4'-DDD	10.72	14571525			
4,4'-DDE	9.70	4284206			

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\P9121804.D
Lims ID: PEM Client ID:
Inject. Date: 18-Dec-2012 10:00:10 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: 240-0015955-004
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 69152 Lims Sample ID: 4
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\PEST9.m
Last Update: 19-Dec-2012 12:49:59 Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK024

First Level Reviewer: vandorenc Date: 19-Dec-2012 12:32:50

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.501	3.501	0.000	52269323	0.0202			
2	100	4.092	4.091	0.001	168251030	0.0218			
						RPD = 7.65			
5 alpha-BHC									
1	100	4.182	4.184	-0.002	27665372	0.008086			
2	100	4.917	4.917	0.000	89967163	0.008331			
						RPD = 2.98			
20 gamma-BHC (Lindane)									
1	100	4.560	4.560	0.000	24537674	0.008421			
2	100	5.473	5.473	0.000	80612605	0.008983			
						RPD = 6.45			
7 beta-BHC									
1	100	4.691	4.691	0.000	11478791	0.009181			
2	100	5.650	5.649	0.001	37248535	0.009874			
						RPD = 7.27			
2 4,4'-DDE									
1	100	7.904	7.903	0.001	1202082	0.000403			
2	100	9.703	9.700	0.003	4284206	0.000571			
						RPD = 34.60			
17 Endrin									
1	100	8.822	8.825	-0.003	97699380	0.0431			
2	100	10.361	10.357	0.004	290828262	0.0460			
						RPD = 6.41			
1 4,4'-DDD									
1	100	9.189	9.188	0.001	4351951	0.002370			
2	100	10.723	10.728	-0.005	14571525	0.001350			
						RPD = 54.79			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 4,4'-DDT									
1	100	9.709	9.709	0.000	157704751	0.0791			
2	100	11.216	11.215	0.001	428383574	0.0869			
						RPD = 9.45			
18 Endrin aldehyde									
1	100	10.084	10.071	0.013	767814	0.000427			7M
2	100	11.306	11.302	0.004	1241771	0.000262			7
						RPD = 47.66			
LOD = 0.000500									
27 Methoxychlor									
1	100		10.660						
2	100		12.293						
19 Endrin ketone									
1	100	11.192	11.193	-0.001	1460797	0.000651			
2	100	12.477	12.473	0.004	3664971	0.000635			
						RPD = 2.42			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

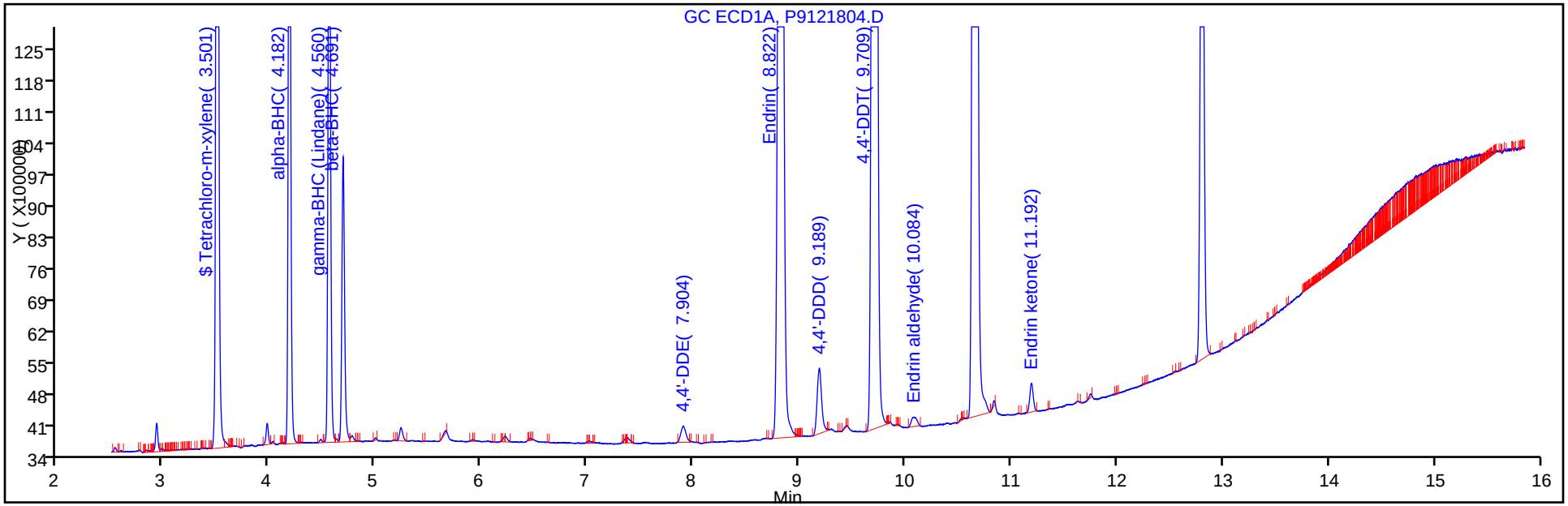
Report Date: 19-Dec-2012 12:50:00 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

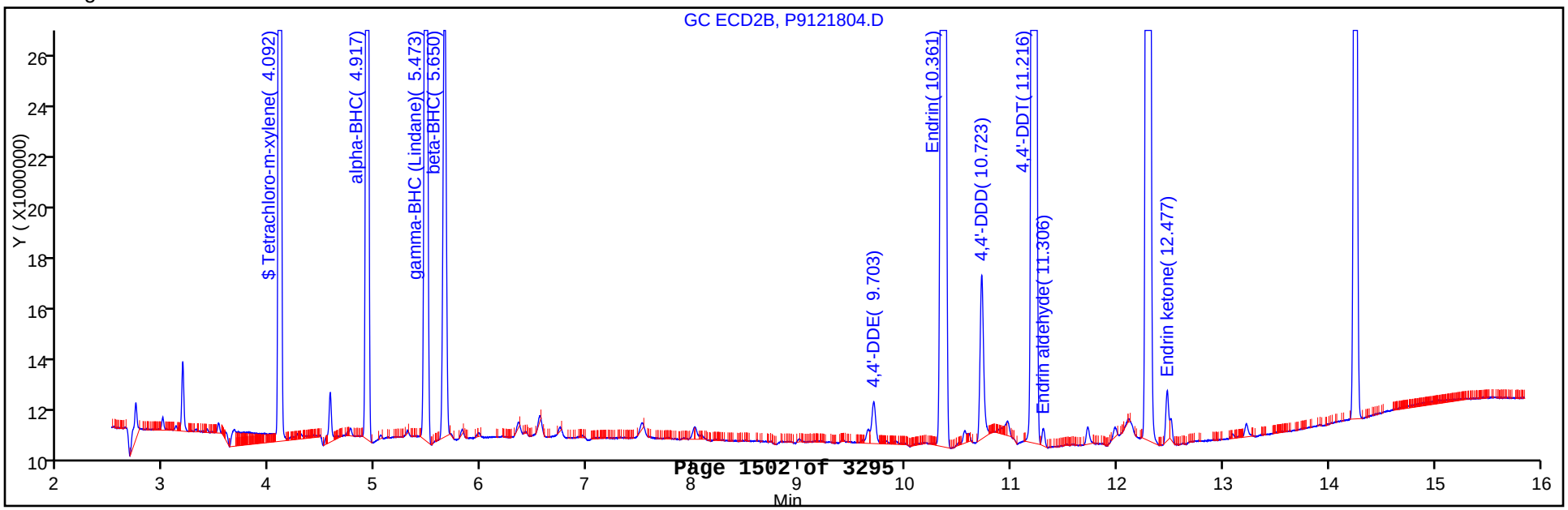
Data File: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\P9121804.D

Injection Date:	18-Dec-2012 10:00:10	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69152	Lims Sample ID:	4
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: PEM 240-69893/4 Calibration Date: 12/22/2012 12:44

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 10:48

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/06/2012 13:08

Lab File ID: P9122204.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	8.82	114882575	3.07	15	
Endrin aldehyde	10.09	619877			
Endrin ketone	11.19	3014383			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	9.71	178906324	5.71	15	
4,4'-DDD	9.19	8719804			
4,4'-DDE	7.90	2108955			

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122204.D
Lims ID: PEM Client ID:
Inject. Date: 22-Dec-2012 12:44:13 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: 240-0016122-004
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 69893 Lims Sample ID: 4
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\PEST9.m
Last Update: 31-Dec-2012 10:57:39 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK027

First Level Reviewer: vandorenc Date: 31-Dec-2012 10:40:59

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.500	3.499	0.001	55904140	0.0206			
2	100	4.089	4.089	0.000	171697334	0.0196			
						RPD = 4.96			
5 alpha-BHC									
1	100	4.182	4.182	0.000	38063150	0.0100			
2	100	4.914	4.913	0.001	118328307	0.008980			
						RPD = 10.66			
20 gamma-BHC (Lindane)									
1	100	4.558	4.557	0.001	31087971	0.0100			
2	100	5.469	5.467	0.002	97396125	0.009337			
						RPD = 6.64			
7 beta-BHC									
1	100	4.690	4.689	0.001	14451563	0.0107			
2	100	5.644	5.643	0.001	45435875	0.0104			
						RPD = 2.24			
2 4,4'-DDE									M
1	100	7.904	7.899	0.005	2108955	0.000638			M
2	100	9.697	9.694	0.003	6248933	0.000723			
						RPD = 12.50			
17 Endrin									
1	100	8.821	8.818	0.003	114882575	0.0470			
2	100	10.353	10.351	0.002	324989832	0.0461			
						RPD = 1.88			
1 4,4'-DDD									
1	100	9.190	9.185	0.005	8719804	0.004613			
2	100	10.718	10.724	-0.006	28218431	0.002278			
						RPD = 67.77			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 4,4'-DDT									
1	100	9.708	9.706	0.002	178906324	0.0953			
2	100	11.211	11.209	0.002	464866445	0.0996			
						RPD = 4.44			
18 Endrin aldehyde									
1	100	10.085	10.065	0.020	619877	0.000337			7M
2	100	11.298	11.297	0.001	2901888	0.000553			7
						RPD = 48.43			
LOD = 0.000500									
27 Methoxychlor									
1	100		10.659						
2	100		12.288						
19 Endrin ketone									
1	100	11.191	11.188	0.003	3014383	0.001287			
2	100	12.469	12.467	0.002	13654073	0.002183			
						RPD = 51.62			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

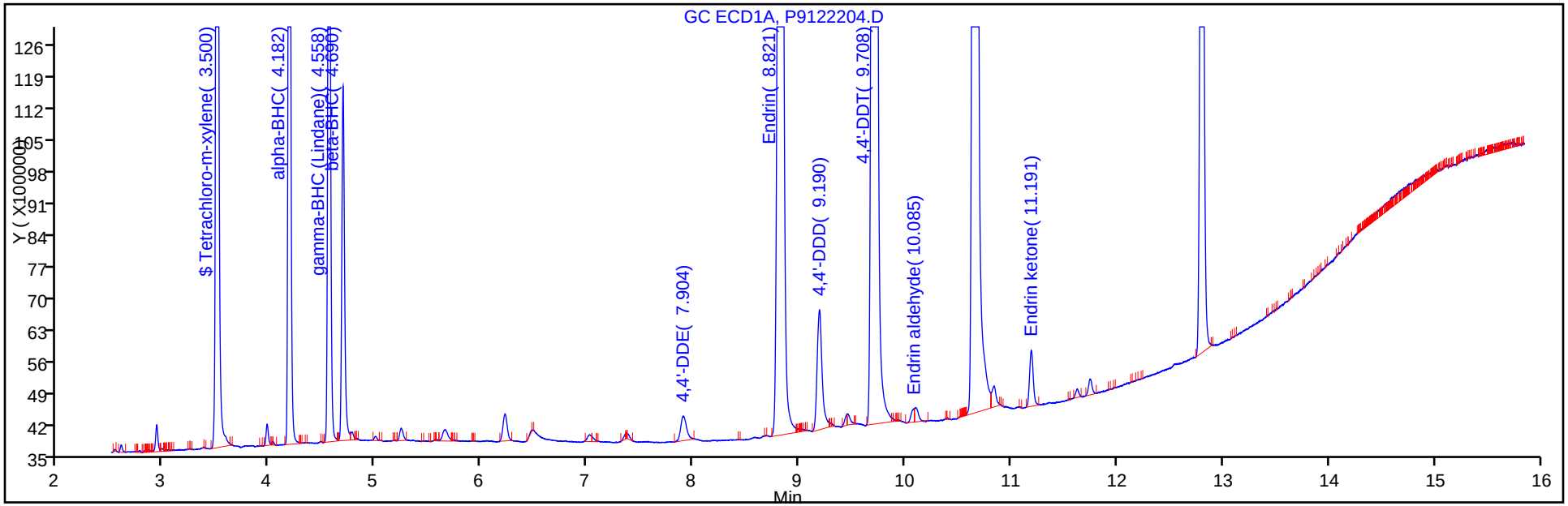
Report Date: 31-Dec-2012 10:57:40 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

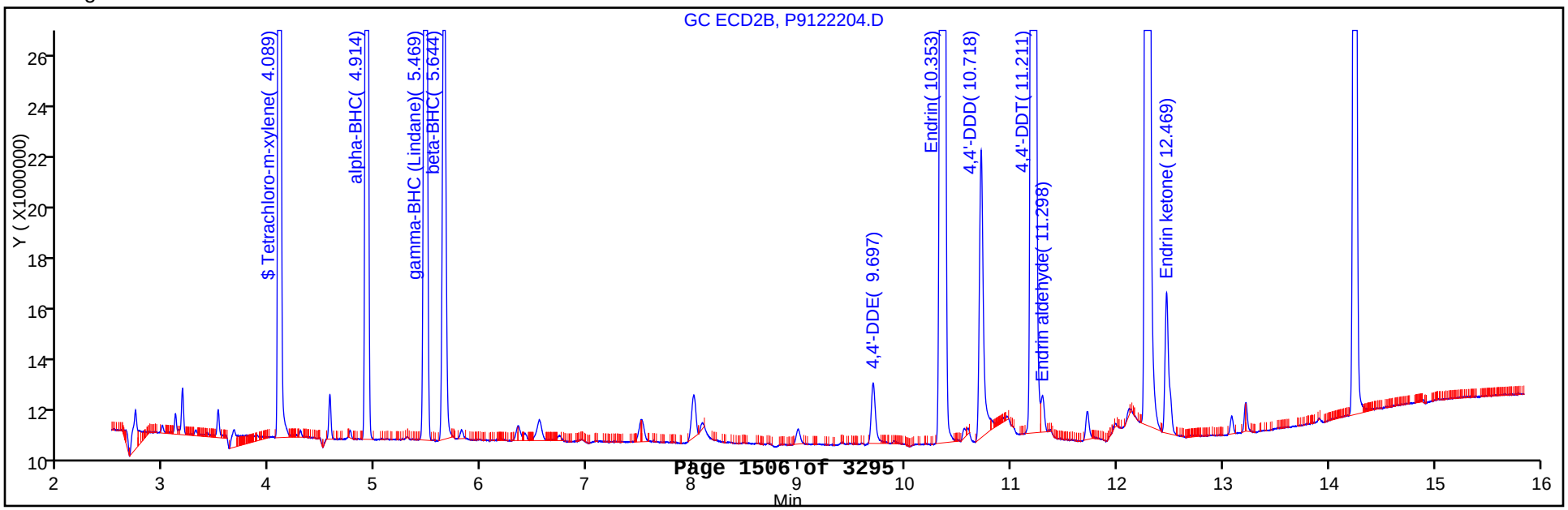
Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122204.D

Injection Date:	22-Dec-2012 12:44:13	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	4
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

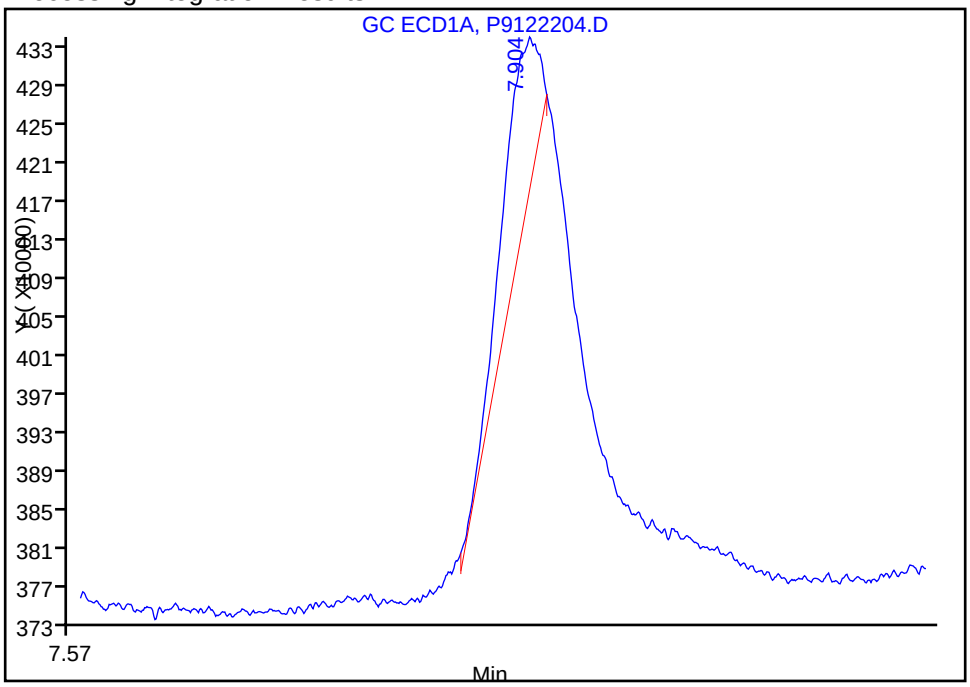
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122204.D		
Injection Date:	22-Dec-2012 12:44:13	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	4
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

2 4,4'-DDE, Signal: 1, Type: quant, RT: 7.90, Det: GC ECD1A

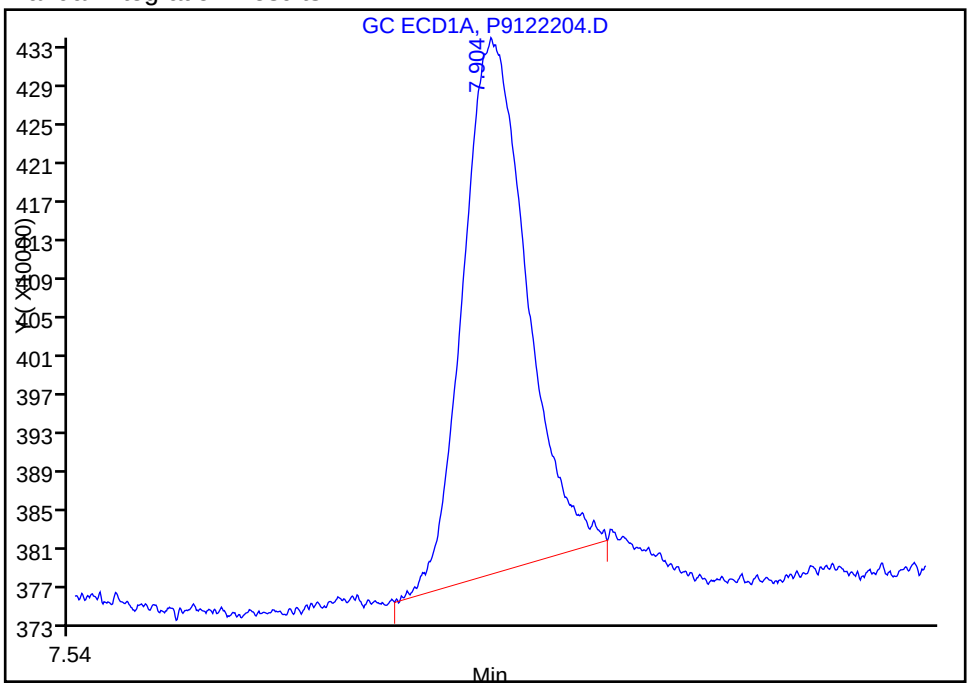
Processing Integration Results

RT: 7.90
Response: 339536
Amount: 0.000103



Manual Integration Results

RT: 7.90
Response: 2108955
Amount: 0.000638



Reviewer: vandorenc, 31-Dec-2012 10:40:59
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: PEM 240-69893/4 Calibration Date: 12/22/2012 12:44

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 10:48

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/06/2012 13:08

Lab File ID: P9122204.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	10.35	324989832	4.85	15	
Endrin aldehyde	11.30	2901888			
Endrin ketone	12.47	13654073			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	11.21	464866445	6.90	15	
4,4'-DDD	10.72	28218431			
4,4'-DDE	9.70	6248933			

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122204.D
Lims ID: PEM Client ID:
Inject. Date: 22-Dec-2012 12:44:13 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: 240-0016122-004
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 69893 Lims Sample ID: 4
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\PEST9.m
Last Update: 31-Dec-2012 10:57:39 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK027

First Level Reviewer: vandorenc Date: 31-Dec-2012 10:40:59

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.500	3.499	0.001	55904140	0.0206			
2	100	4.089	4.089	0.000	171697334	0.0196			
						RPD = 4.96			
5 alpha-BHC									
1	100	4.182	4.182	0.000	38063150	0.0100			
2	100	4.914	4.913	0.001	118328307	0.008980			
						RPD = 10.66			
20 gamma-BHC (Lindane)									
1	100	4.558	4.557	0.001	31087971	0.0100			
2	100	5.469	5.467	0.002	97396125	0.009337			
						RPD = 6.64			
7 beta-BHC									
1	100	4.690	4.689	0.001	14451563	0.0107			
2	100	5.644	5.643	0.001	45435875	0.0104			
						RPD = 2.24			
2 4,4'-DDE									M
1	100	7.904	7.899	0.005	2108955	0.000638			M
2	100	9.697	9.694	0.003	6248933	0.000723			
						RPD = 12.50			
17 Endrin									
1	100	8.821	8.818	0.003	114882575	0.0470			
2	100	10.353	10.351	0.002	324989832	0.0461			
						RPD = 1.88			
1 4,4'-DDD									
1	100	9.190	9.185	0.005	8719804	0.004613			
2	100	10.718	10.724	-0.006	28218431	0.002278			
						RPD = 67.77			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 4,4'-DDT									
1	100	9.708	9.706	0.002	178906324	0.0953			
2	100	11.211	11.209	0.002	464866445	0.0996			
						RPD = 4.44			
18 Endrin aldehyde									
1	100	10.085	10.065	0.020	619877	0.000337			7M
2	100	11.298	11.297	0.001	2901888	0.000553			7
						RPD = 48.43			
LOD = 0.000500									
27 Methoxychlor									
1	100		10.659						
2	100		12.288						
19 Endrin ketone									
1	100	11.191	11.188	0.003	3014383	0.001287			
2	100	12.469	12.467	0.002	13654073	0.002183			
						RPD = 51.62			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

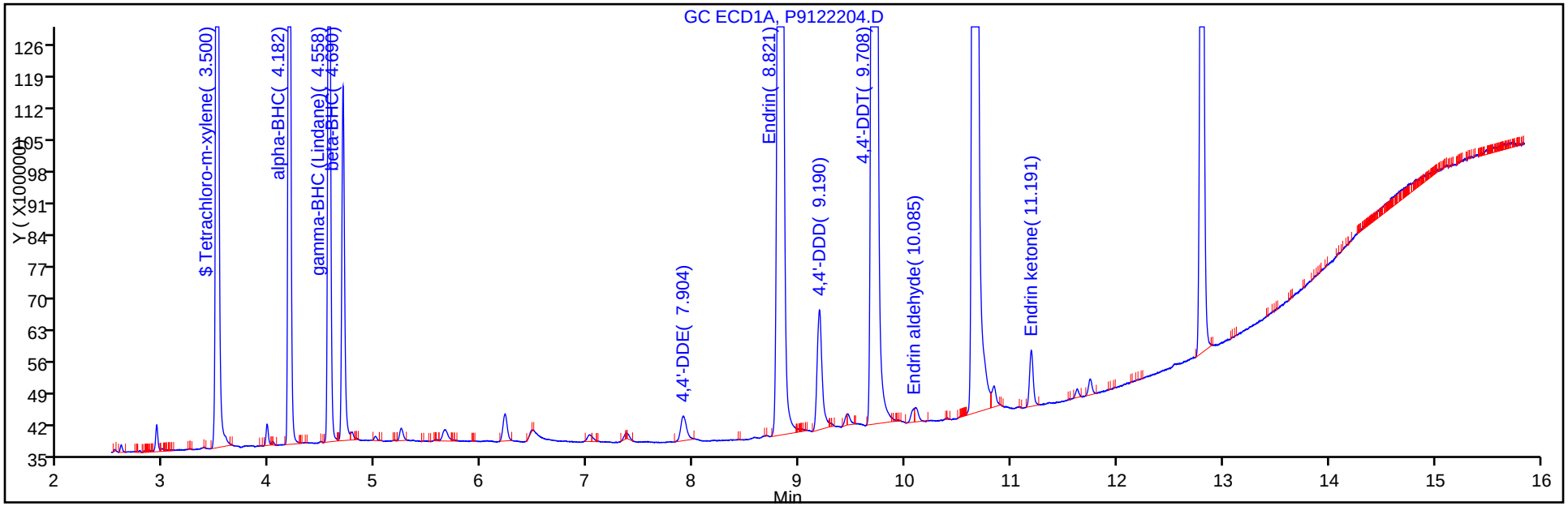
Report Date: 31-Dec-2012 10:57:41 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

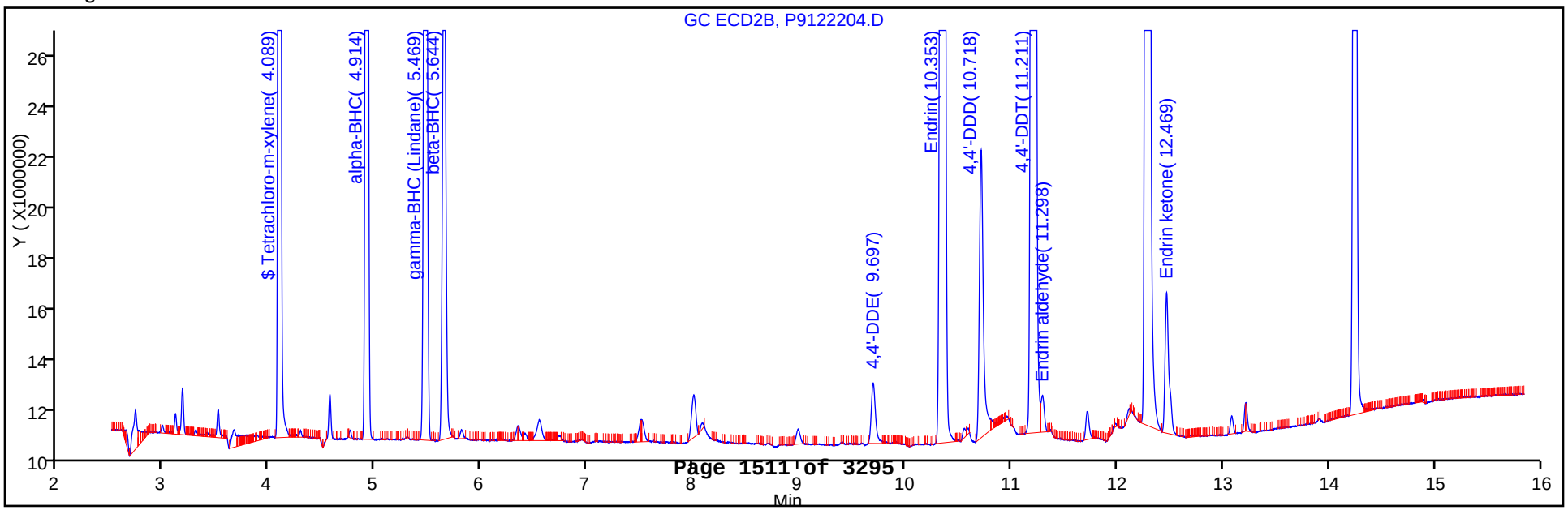
Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122204.D

Injection Date:	22-Dec-2012 12:44:13	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	4
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: PEM 240-71174/4 Calibration Date: 01/06/2013 17:20

Instrument ID: A2HP9 Calib Start Date: 12/22/2012 13:11

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/22/2012 15:13

Lab File ID: P9010604.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	8.82	117364376	3.48	15	
Endrin aldehyde	10.10	1793991			
Endrin ketone	11.19	2440694			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	9.71	153521360	11.21	15	
4,4'-DDD	9.19	14357789			
4,4'-DDE	7.90	5024361			

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010604.D
Lims ID: PEM Client ID:
Inject. Date: 06-Jan-2013 17:20:12 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: 240-0016400-004
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 71174 Lims Sample ID: 4
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\PEST9.m
Last Update: 07-Jan-2013 07:09:29 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK004

First Level Reviewer: vandorenc Date: 07-Jan-2013 06:30:43

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.499	3.498	0.001	54310647	0.0200			
2	100	4.085	4.084	0.001	173925547	0.0198			
						RPD = 0.78			
5 alpha-BHC									
1	100	4.180	4.179	0.001	33230346	0.008722			
2	100	4.909	4.907	0.002	107017088	0.008121			
						RPD = 7.13			
20 gamma-BHC (Lindane)									
1	100	4.556	4.556	0.000	28870967	0.009267			
2	100	5.463	5.460	0.003	94145598	0.009026			
						RPD = 2.63			
7 beta-BHC									
1	100	4.689	4.688	0.001	12628005	0.009307			
2	100	5.639	5.636	0.003	43181457	0.009898			
						RPD = 6.16			
2 4,4'-DDE									M
1	100	7.900	7.896	0.004	5024361	0.001520			M
2	100	9.691	9.686	0.005	15861705	0.001835			
						RPD = 18.80			
17 Endrin									
1	100	8.818	8.818	0.000	117364376	0.0480			
2	100	10.344	10.343	0.001	338140049	0.0480			
						RPD = 0.05			
1 4,4'-DDD									
1	100	9.187	9.183	0.004	14357789	0.007596			
2	100	10.711	10.718	-0.007	39178933	0.003163			
						RPD = 82.40			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 4,4'-DDT									
1	100	9.705	9.704	0.001	153521360	0.0818			
2	100	11.203	11.203	0.000	386454705	0.0828			
						RPD = 1.27			
18 Endrin aldehyde									M
1	100	10.104	10.068	0.036	1793991	0.000976			
2	100	11.275	11.291	-0.016	4334790	0.000825			M
						RPD = 16.69			
27 Methoxychlor									
1	100		10.656						
2	100		12.281						
19 Endrin ketone									M
1	100	11.189	11.187	0.002	2440694	0.001042			
2	100	12.462	12.459	0.003	10352963	0.001655			M
						RPD = 45.45			

QC Flag Legend

Review Flags
M - Manually Integrated

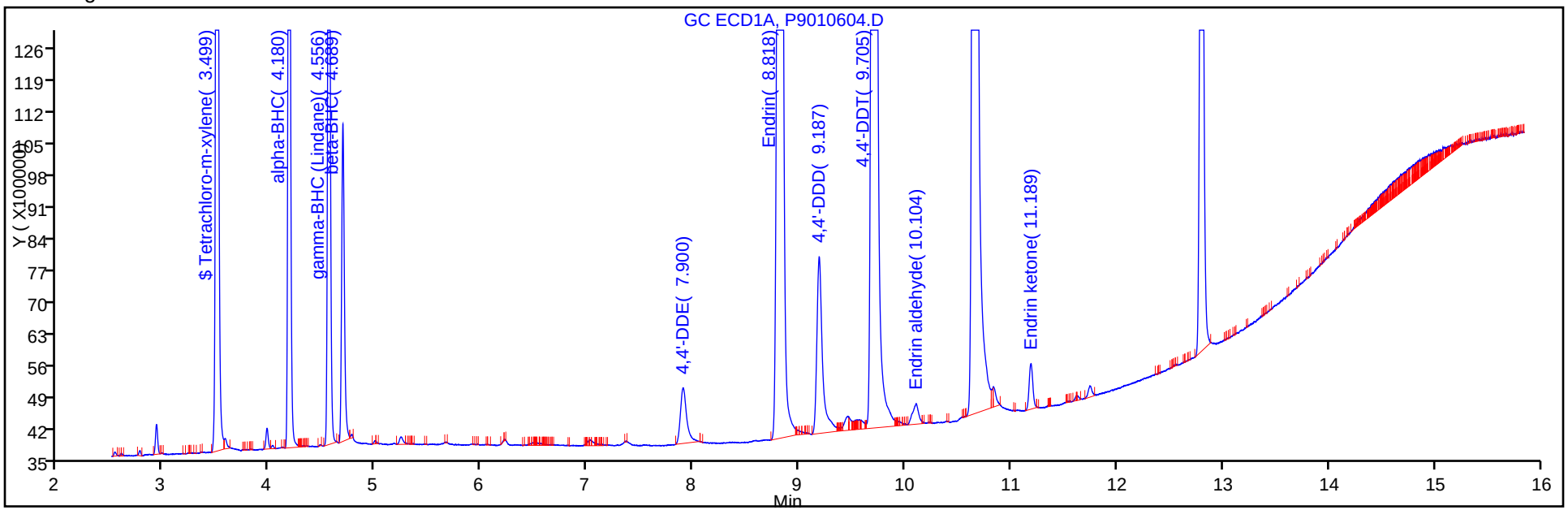
Report Date: 07-Jan-2013 07:09:30 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

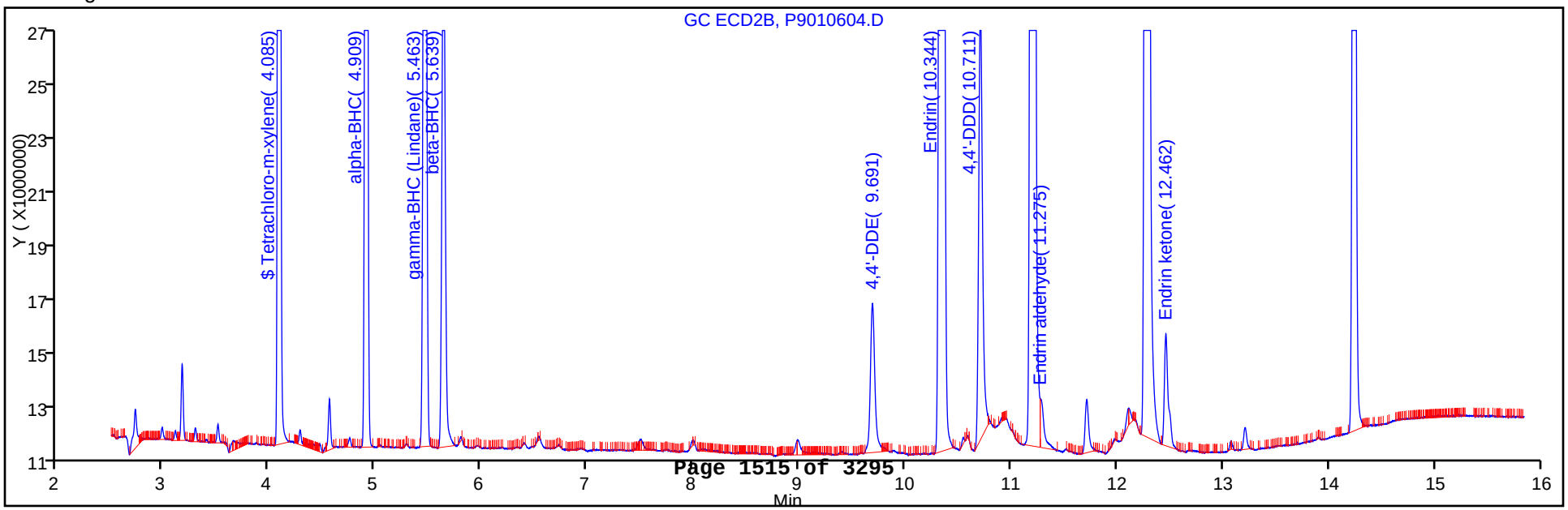
Data File: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010604.D

Injection Date:	06-Jan-2013 17:20:12	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71174	Lims Sample ID:	4
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

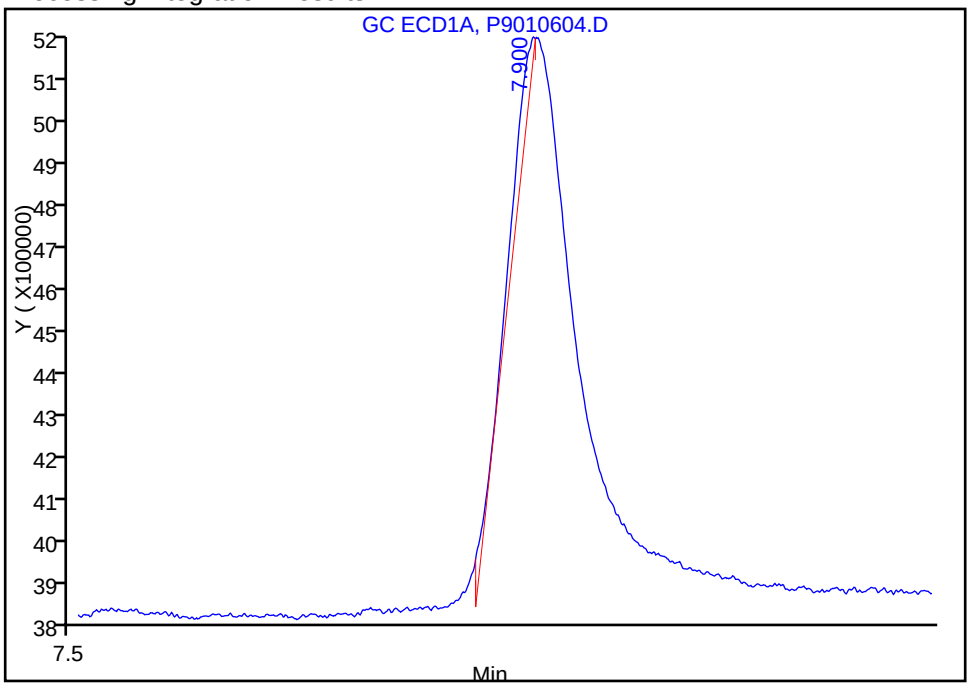
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010604.D		
Injection Date:	06-Jan-2013 17:20:12	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71174	Lims Sample ID:	4
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

2 4,4'-DDE, Signal: 1, Type: quant, RT: 7.90, Det: GC ECD1A

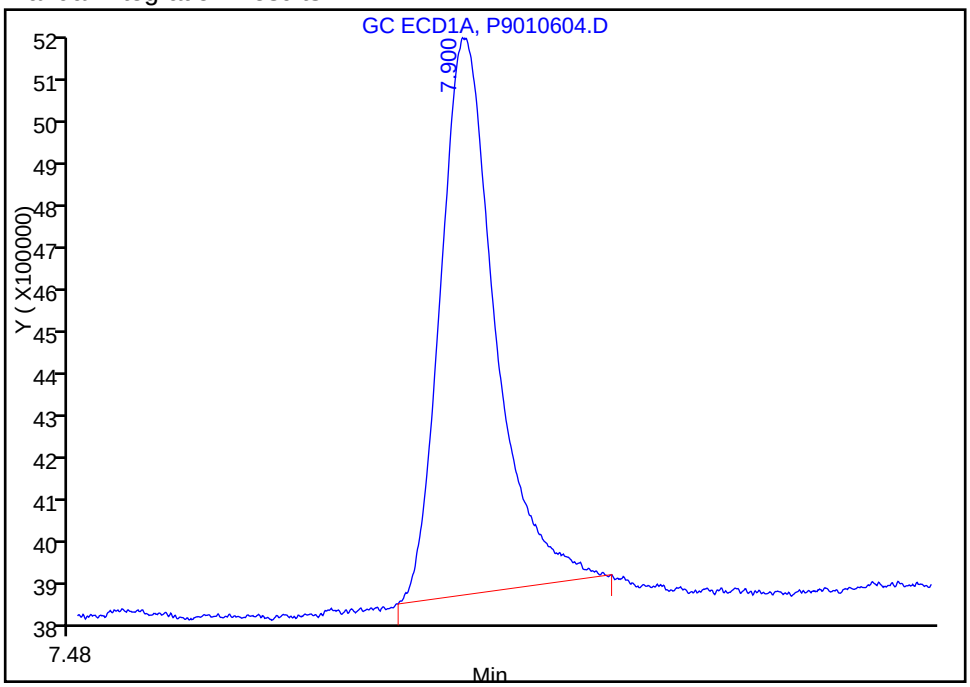
Processing Integration Results

RT: 7.90
Response: 215705
Amount: 0.000065



Manual Integration Results

RT: 7.90
Response: 5024361
Amount: 0.001520



Reviewer: vandorenc, 07-Jan-2013 06:30:43
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

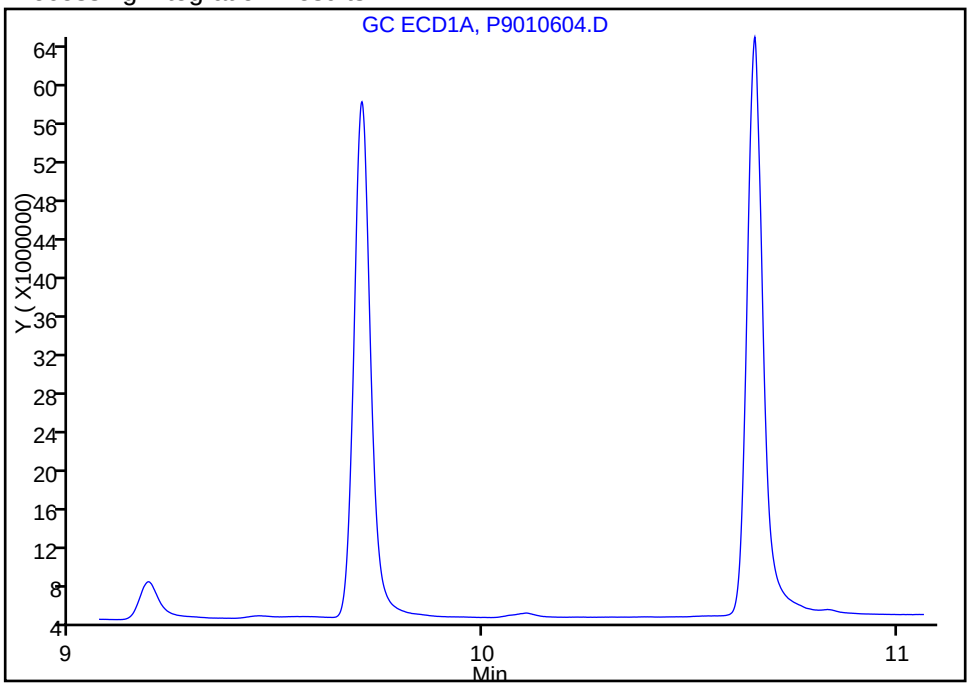
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010604.D		
Injection Date:	06-Jan-2013 17:20:12	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71174	Lims Sample ID:	4
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

18 Endrin aldehyde, Signal: 1, Type: quant, RT: 10.07, Det: GC ECD1A

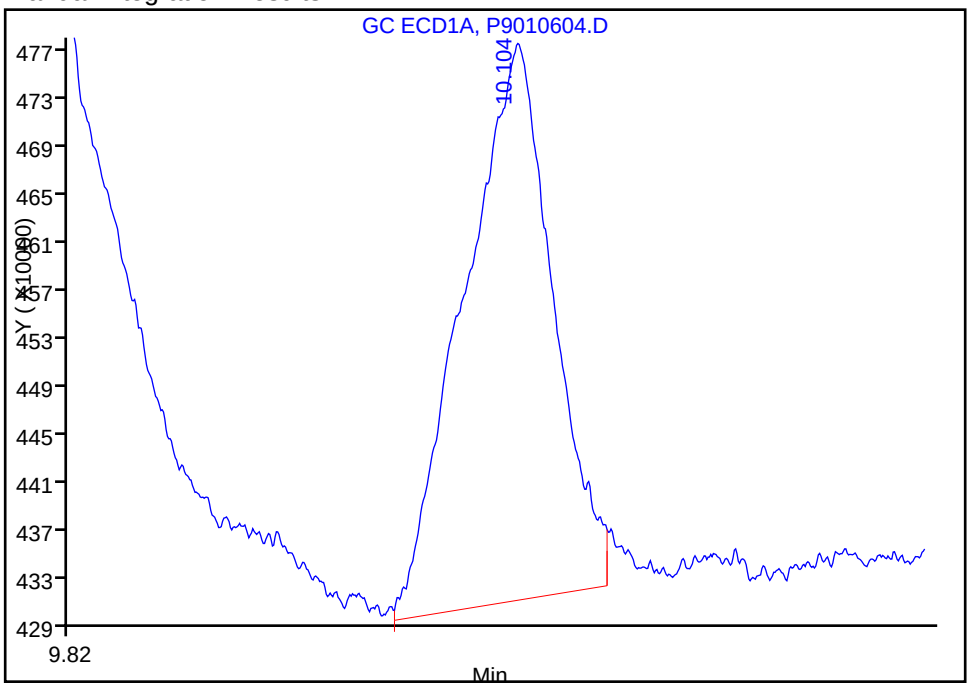
Not Detected
Expected RT: 10.07

Processing Integration Results



Manual Integration Results

RT: 10.10
Response: 1793991
Amount: 0.000976



Reviewer: vandorenc, 07-Jan-2013 06:30:43
Audit Action: Assigned Compound ID
Audit Reason: Baseline Event

FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: PEM 240-71174/4 Calibration Date: 01/06/2013 17:20

Instrument ID: A2HP9 Calib Start Date: 12/22/2012 13:11

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/22/2012 15:13

Lab File ID: P9010604.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	10.34	338140049	4.16	15	
Endrin aldehyde	11.28	4334790			
Endrin ketone	12.46	10352963			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	11.20	386454705	12.47	15	
4,4'-DDD	10.71	39178933			
4,4'-DDE	9.69	15861705			

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010604.D
Lims ID: PEM Client ID:
Inject. Date: 06-Jan-2013 17:20:12 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: 240-0016400-004
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 71174 Lims Sample ID: 4
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\PEST9.m
Last Update: 07-Jan-2013 07:09:29 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK004

First Level Reviewer: vandorenc Date: 07-Jan-2013 06:30:43

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.499	3.498	0.001	54310647	0.0200			
2	100	4.085	4.084	0.001	173925547	0.0198			
						RPD = 0.78			
5 alpha-BHC									
1	100	4.180	4.179	0.001	33230346	0.008722			
2	100	4.909	4.907	0.002	107017088	0.008121			
						RPD = 7.13			
20 gamma-BHC (Lindane)									
1	100	4.556	4.556	0.000	28870967	0.009267			
2	100	5.463	5.460	0.003	94145598	0.009026			
						RPD = 2.63			
7 beta-BHC									
1	100	4.689	4.688	0.001	12628005	0.009307			
2	100	5.639	5.636	0.003	43181457	0.009898			
						RPD = 6.16			
2 4,4'-DDE									M
1	100	7.900	7.896	0.004	5024361	0.001520			M
2	100	9.691	9.686	0.005	15861705	0.001835			
						RPD = 18.80			
17 Endrin									
1	100	8.818	8.818	0.000	117364376	0.0480			
2	100	10.344	10.343	0.001	338140049	0.0480			
						RPD = 0.05			
1 4,4'-DDD									
1	100	9.187	9.183	0.004	14357789	0.007596			
2	100	10.711	10.718	-0.007	39178933	0.003163			
						RPD = 82.40			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 4,4'-DDT									
1	100	9.705	9.704	0.001	153521360	0.0818			
2	100	11.203	11.203	0.000	386454705	0.0828			
						RPD = 1.27			
18 Endrin aldehyde									M
1	100	10.104	10.068	0.036	1793991	0.000976			
2	100	11.275	11.291	-0.016	4334790	0.000825			M
						RPD = 16.69			
27 Methoxychlor									
1	100		10.656						
2	100		12.281						
19 Endrin ketone									M
1	100	11.189	11.187	0.002	2440694	0.001042			
2	100	12.462	12.459	0.003	10352963	0.001655			M
						RPD = 45.45			

QC Flag Legend

Review Flags
M - Manually Integrated

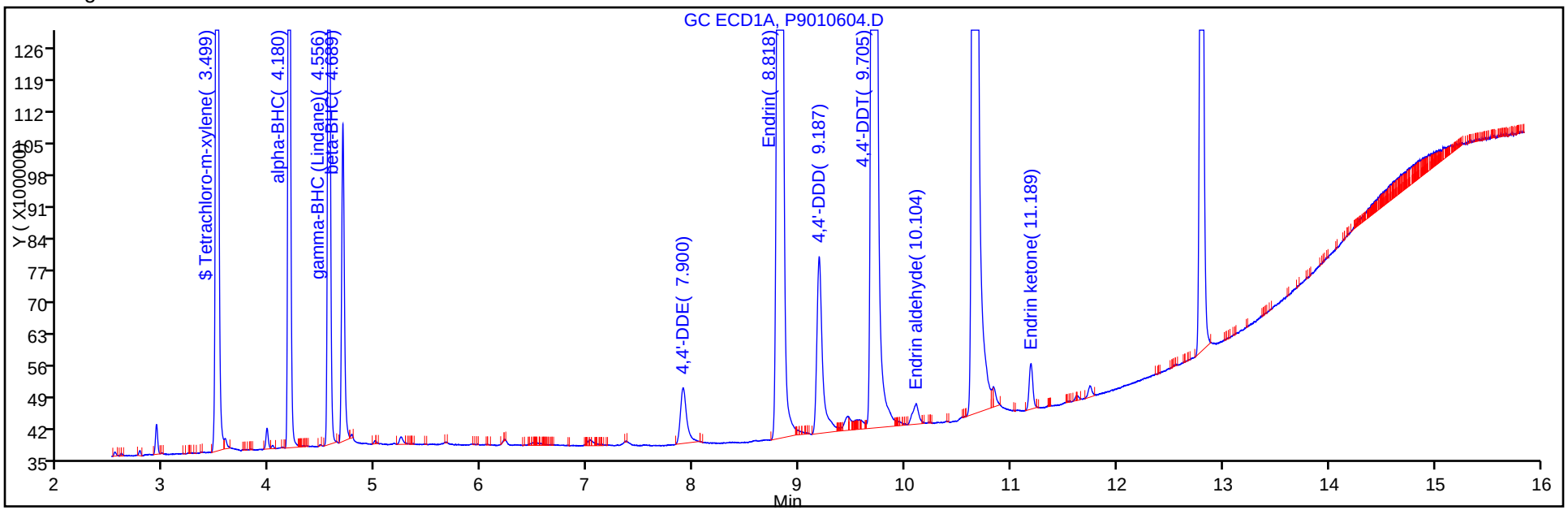
Report Date: 07-Jan-2013 07:09:30 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

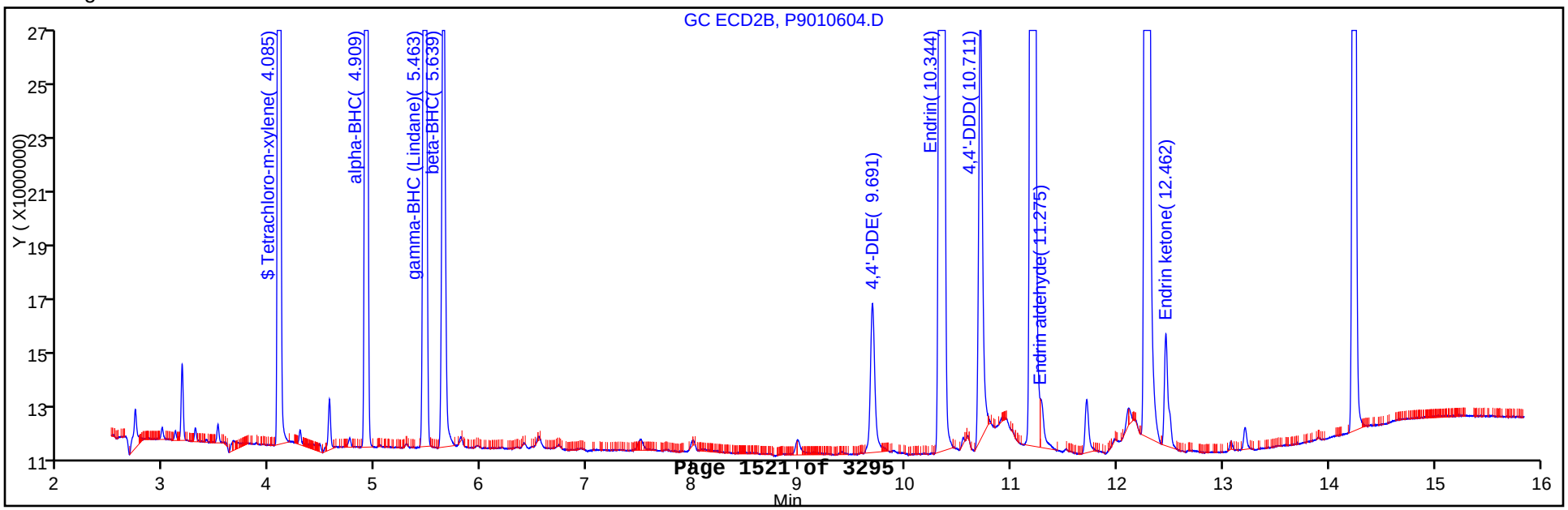
Data File: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010604.D

Injection Date:	06-Jan-2013 17:20:12	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71174	Lims Sample ID:	4
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

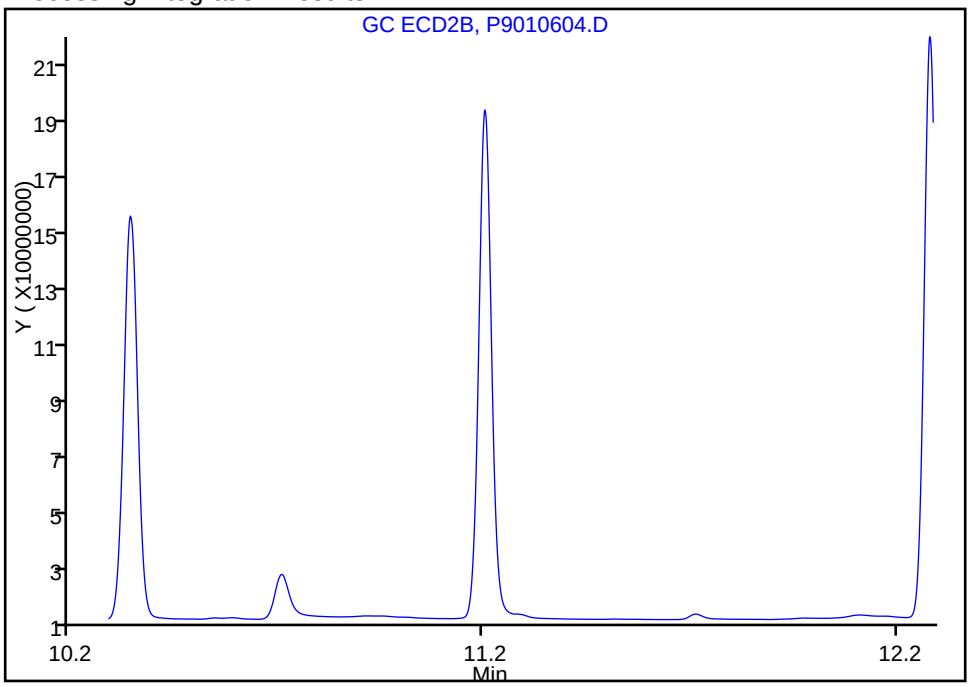
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010604.D		
Injection Date:	06-Jan-2013 17:20:12	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71174	Lims Sample ID:	4
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

18 Endrin aldehyde, Signal: 2, Type: quant, RT: 11.29, Det: GC ecd2b

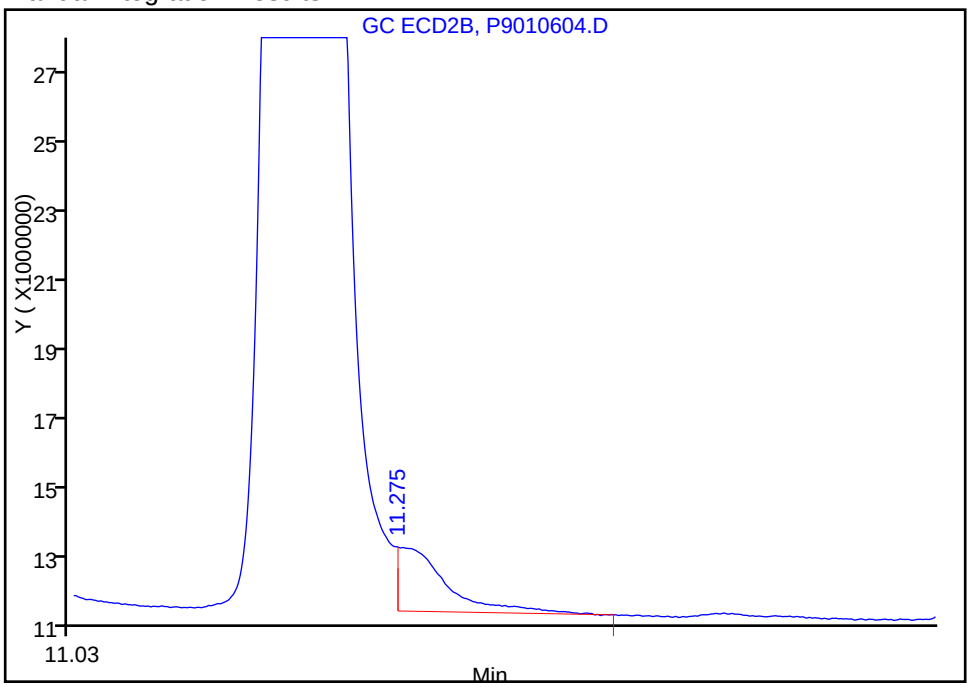
Processing Integration Results

Not Detected
Expected RT: 11.29



Manual Integration Results

RT: 11.28
Response: 4334790
Amount: 0.000825



Reviewer: vandorenc, 07-Jan-2013 06:30:43
Audit Action: Manually Integrated/Assigned Compound ID
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

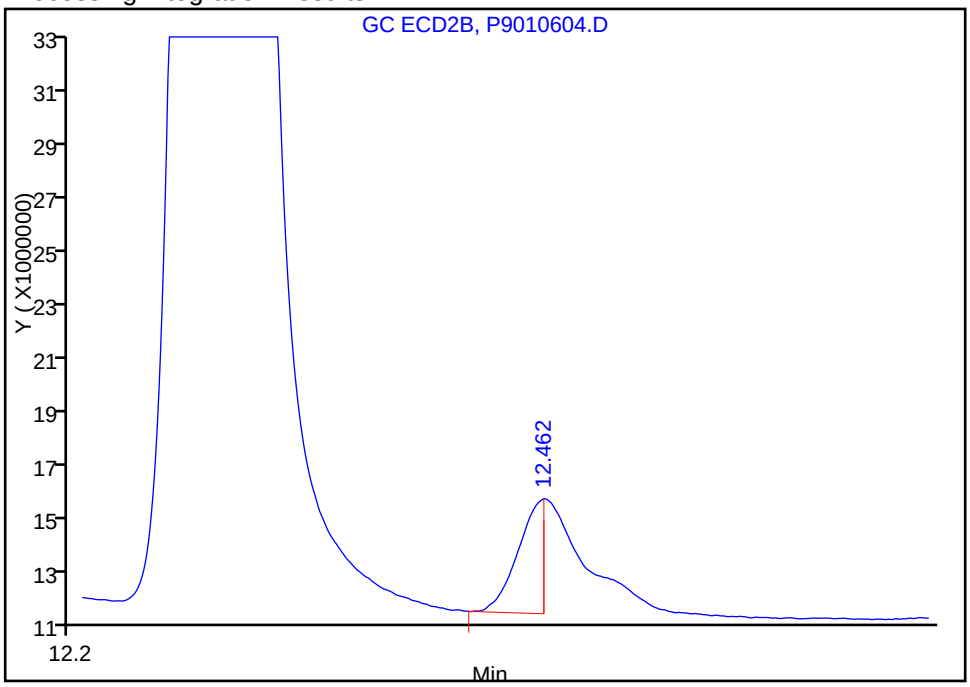
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010604.D		
Injection Date:	06-Jan-2013 17:20:12	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71174	Lims Sample ID:	4
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

19 Endrin ketone, Signal: 2, Type: quant, RT: 12.46, Det: GC ecd2b

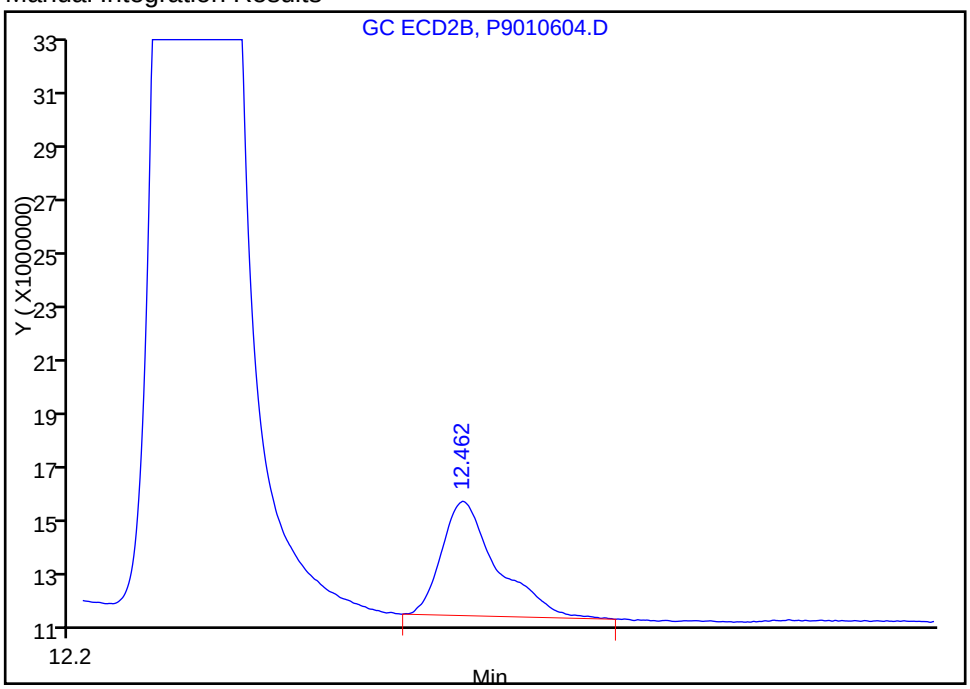
Processing Integration Results

RT: 12.46
Response: 3830457
Amount: 0.000613



Manual Integration Results

RT: 12.46
Response: 10352963
Amount: 0.001655



Reviewer: vandorenc, 07-Jan-2013 06:30:43
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-67554/11 Calibration Date: 12/06/2012 13:33

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 10:48

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/06/2012 13:08

Lab File ID: P9120611.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	3421434316	3611996720		0.0264	0.0250	5.6	20.0
gamma-BHC (Lindane)	Ave	2913769986	3135748400		0.0269	0.0250	7.6	20.0
beta-BHC	Ave	1250224244	1333679920		0.0267	0.0250	6.7	20.0
delta-BHC	Ave	3061752536	3329859200		0.0272	0.0250	8.8	20.0
Heptachlor	Ave	2655006807	2899129360		0.0273	0.0250	9.2	20.0
Aldrin	Ave	3189768763	3308185400		0.0259	0.0250	3.7	20.0
Heptachlor epoxide	Ave	2580951581	2806662680		0.0272	0.0250	8.7	20.0
gamma-Chlordane	Ave	2810352112	3001504240		0.0267	0.0250	6.8	20.0
alpha-Chlordane	Ave	2914578305	2990603320		0.0257	0.0250	2.6	20.0
Endosulfan I	Ave	2430184025	2632445160		0.0271	0.0250	8.3	20.0
4,4'-DDE	Ave	2984641558	3128705360		0.0262	0.0250	4.8	20.0
Dieldrin	Ave	2497683571	2678820040		0.0268	0.0250	7.3	20.0
Endrin	Ave	2266106237	2429587440		0.0268	0.0250	7.2	20.0
4,4'-DDD	Ave	1836592891	1962755440		0.0267	0.0250	6.9	20.0
Endosulfan II	Ave	2359969486	2591363160		0.0275	0.0250	9.8	20.0
4,4'-DDT	Ave	1994537456	2164070920		0.0271	0.0250	8.5	20.0
Endrin aldehyde	Ave	1799719498	1923478000		0.0267	0.0250	6.9	20.0
Methoxychlor	Ave	935306693	1008808200		0.0270	0.0250	7.9	20.0
Endosulfan sulfate	Ave	2170510402	2365754320		0.0272	0.0250	9.0	20.0
Endrin ketone	Ave	2244151853	2309599600		0.0257	0.0250	2.9	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-67554/11 Calibration Date: 12/06/2012 13:33

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 10:48

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/06/2012 13:08

Lab File ID: P9120611.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.18	4.16	4.22
gamma-BHC (Lindane)	4.56	4.53	4.59
beta-BHC	4.69	4.66	4.72
delta-BHC	4.90	4.88	4.94
Heptachlor	5.19	5.15	5.22
Aldrin	5.64	5.61	5.67
Heptachlor epoxide	6.87	6.84	6.90
gamma-Chlordane	7.17	7.14	7.20
alpha-Chlordane	7.52	7.50	7.56
Endosulfan I	7.80	7.77	7.83
4,4'-DDE	7.90	7.88	7.94
Dieldrin	8.37	8.34	8.40
Endrin	8.82	8.80	8.86
4,4'-DDD	9.19	9.16	9.22
Endosulfan II	9.28	9.25	9.31
4,4'-DDT	9.71	9.68	9.74
Endrin aldehyde	10.07	10.04	10.10
Methoxychlor	10.66	10.63	10.69
Endosulfan sulfate	10.79	10.76	10.82
Endrin ketone	11.19	11.16	11.22

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120611.D
Lims ID: ICV Client ID:
Inject. Date: 06-Dec-2012 13:33:04 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0015581-011
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 11
Lims Batch ID: 67554 Lims Sample ID: 11
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\PEST9.m
Last Update: 07-Dec-2012 10:25:26 Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

First Level Reviewer: vandorenc Date: 07-Dec-2012 07:35:31

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 alpha-BHC									
1	100	4.183	4.185	-0.002	90299918	0.0264			
2	100	4.921	4.921	0.000	270256822	0.0250			
						RPD = 5.32			
20 gamma-BHC (Lindane)									
1	100	4.559	4.560	-0.001	78393710	0.0269			
2	100	5.477	5.477	0.000	231143123	0.0258			
						RPD = 4.36			
7 beta-BHC									
1	100	4.691	4.691	0.000	33341998	0.0267			
2	100	5.653	5.653	0.000	98349562	0.0261			
						RPD = 2.27			
11 delta-BHC									
1	100	4.904	4.905	-0.001	83246480	0.0272			
2	100	6.204	6.204	0.000	242367693	0.0257			
						RPD = 5.60			
22 Heptachlor									
1	100	5.186	5.187	-0.001	72478234	0.0273			
2	100	6.302	6.303	-0.001	209930947	0.0264			
						RPD = 3.41			
4 Aldrin									
1	100	5.637	5.639	-0.002	82704635	0.0259			
2	100	7.021	7.021	0.000	223205752	0.0252			
						RPD = 2.77			
23 Heptachlor epoxide									
1	100	6.866	6.868	-0.002	70166567	0.0272			
2	100	8.506	8.506	0.000	192758553	0.0264			
						RPD = 2.83			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
21 gamma-Chlordane									
1	100	7.171	7.174	-0.003	75037606	0.0267			
2	100	8.933	8.933	0.000	193046161	0.0258			
						RPD = 3.25			
6 alpha-Chlordane									
1	100	7.522	7.526	-0.004	74765083	0.0257			
2	100	9.246	9.246	0.000	188416441	0.0249			
						RPD = 2.89			
14 Endosulfan I									
1	100	7.800	7.803	-0.003	65811129	0.0271			
2	100	9.306	9.307	-0.001	165090289	0.0267			
						RPD = 1.59			
2 4,4'-DDE									
1	100	7.903	7.906	-0.003	78217634	0.0262			
2	100	9.705	9.706	-0.001	186708047	0.0249			
						RPD = 5.13			
13 Dieldrin									
1	100	8.366	8.367	-0.001	66970501	0.0268			
2	100	9.842	9.842	0.000	179973939	0.0264			
						RPD = 1.41			
17 Endrin									
1	100	8.823	8.827	-0.004	60739686	0.0268			
2	100	10.365	10.363	0.002	166091839	0.0263			
						RPD = 2.08			
1 4,4'-DDD									
1	100	9.187	9.188	-0.001	49068886	0.0267			
2	100	10.734	10.735	-0.001	291513708	0.0270			
						RPD = 1.12			
15 Endosulfan II									
1	100	9.275	9.276	-0.001	64784079	0.0275			
2	100	10.734	10.735	-0.001	291513708	0.0266			
						RPD = 2.99			
3 4,4'-DDT									
1	100	9.709	9.711	-0.002	54101773	0.0271			
2	100	11.220	11.221	-0.001	129456951	0.0263			
						RPD = 3.22			
18 Endrin aldehyde									
1	100	10.069	10.071	-0.002	48086950	0.0267			
2	100	11.308	11.309	-0.001	126050192	0.0266			
						RPD = 0.30			
27 Methoxychlor									
1	100	10.660	10.661	-0.001	25220205	0.0270			
2	100	12.298	12.297	0.001	63965734	0.0257			
						RPD = 4.79			
16 Endosulfan sulfate									
1	100	10.793	10.794	-0.001	59143858	0.0272			
2	100	11.740	11.741	-0.001	150749820	0.0266			
						RPD = 2.33			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
19 Endrin ketone									
1	100	11.192	11.194	-0.002	57739990	0.0257			
2	100	12.479	12.478	0.001	148410829	0.0257			
						RPD = 0.00			

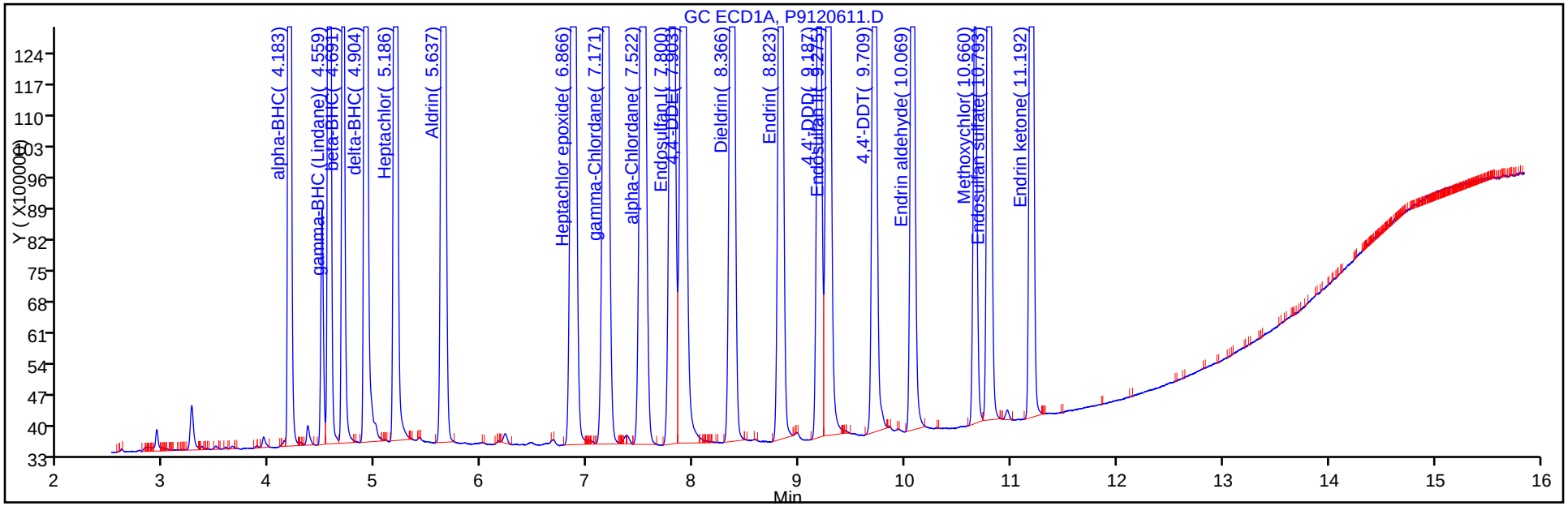
Report Date: 07-Dec-2012 10:25:29 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

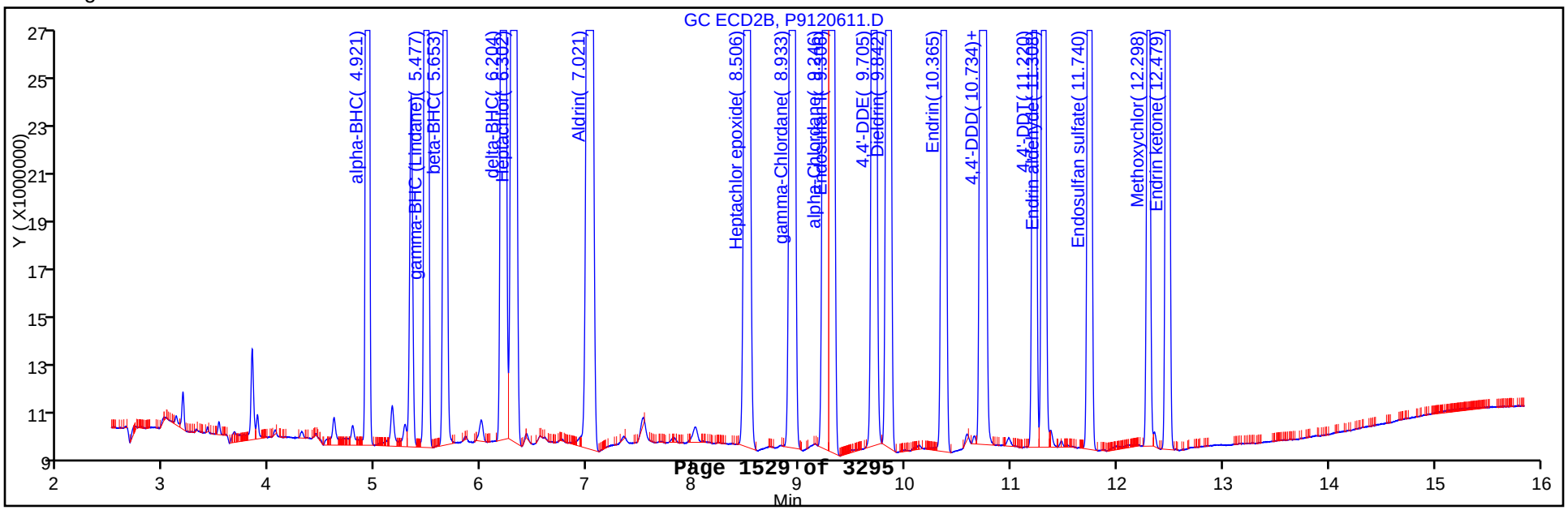
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120611.D

Injection Date:	06-Dec-2012 13:33:04	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	11
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-67554/11 Calibration Date: 12/06/2012 13:33

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 10:48

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/06/2012 13:08

Lab File ID: P9120611.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	10799529128	10810272880		0.0250	0.0250	0.1	20.0
gamma-BHC (Lindane)	Ave	8974140307	9245724920		0.0258	0.0250	3.0	20.0
beta-BHC	Ave	3772427859	3933982480		0.0261	0.0250	4.3	20.0
delta-BHC	Ave	9427568690	9694707720		0.0257	0.0250	2.8	20.0
Heptachlor	Ave	7957007710	8397237880		0.0264	0.0250	5.5	20.0
Aldrin	Ave	8850366058	8928230080		0.0252	0.0250	0.9	20.0
Heptachlor epoxide	Ave	7294024537	7710342120		0.0264	0.0250	5.7	20.0
gamma-Chlordane	Ave	7469037572	7721846440		0.0258	0.0250	3.4	20.0
alpha-Chlordane	Ave	7560544032	7536657640		0.0249	0.0250	-0.3	20.0
Endosulfan I	Ave	6193816738	6603611560		0.0267	0.0250	6.6	20.0
4,4'-DDE	Ave	7499608111	7468321880		0.0249	0.0250	-0.4	20.0
Dieldrin	Ave	6807572539	7198957560		0.0264	0.0250	5.7	20.0
Endrin	Ave	6326640752	6643673560		0.0263	0.0250	5.0	20.0
4,4'-DDD	Ave	10789989010	11660548320		0.0270	0.0250	8.1	20.0
Endosulfan II	Ave	10941323443	11660548320		0.0266	0.0250	6.6	20.0
4,4'-DDT	Ave	4929043014	5178278040		0.0263	0.0250	5.1	20.0
Endrin aldehyde	Ave	4731747302	5042007680		0.0266	0.0250	6.6	20.0
Endosulfan sulfate	Ave	5662882600	6029992800		0.0266	0.0250	6.5	20.0
Methoxychlor	Ave	2488628073	2558629360		0.0257	0.0250	2.8	20.0
Endrin ketone	Ave	5768215223	5936433160		0.0257	0.0250	2.9	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-67554/11 Calibration Date: 12/06/2012 13:33

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 10:48

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/06/2012 13:08

Lab File ID: P9120611.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.92	4.89	4.95
gamma-BHC (Lindane)	5.48	5.45	5.51
beta-BHC	5.65	5.62	5.68
delta-BHC	6.20	6.17	6.23
Heptachlor	6.30	6.27	6.34
Aldrin	7.02	6.99	7.05
Heptachlor epoxide	8.51	8.48	8.54
gamma-Chlordane	8.93	8.90	8.96
alpha-Chlordane	9.25	9.22	9.28
Endosulfan I	9.31	9.28	9.34
4,4'-DDE	9.71	9.68	9.74
Dieldrin	9.84	9.81	9.87
Endrin	10.37	10.33	10.39
4,4'-DDD	10.73	10.71	10.77
Endosulfan II	10.73	10.71	10.77
4,4'-DDT	11.22	11.19	11.25
Endrin aldehyde	11.31	11.28	11.34
Endosulfan sulfate	11.74	11.71	11.77
Methoxychlor	12.30	12.27	12.33
Endrin ketone	12.48	12.45	12.51

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120611.D
Lims ID: ICV Client ID:
Inject. Date: 06-Dec-2012 13:33:04 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0015581-011
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 11
Lims Batch ID: 67554 Lims Sample ID: 11
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\PEST9.m
Last Update: 07-Dec-2012 10:25:26 Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

First Level Reviewer: vandorenc Date: 07-Dec-2012 07:35:31

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 alpha-BHC									
1	100	4.183	4.185	-0.002	90299918	0.0264			
2	100	4.921	4.921	0.000	270256822	0.0250			
						RPD = 5.32			
20 gamma-BHC (Lindane)									
1	100	4.559	4.560	-0.001	78393710	0.0269			
2	100	5.477	5.477	0.000	231143123	0.0258			
						RPD = 4.36			
7 beta-BHC									
1	100	4.691	4.691	0.000	33341998	0.0267			
2	100	5.653	5.653	0.000	98349562	0.0261			
						RPD = 2.27			
11 delta-BHC									
1	100	4.904	4.905	-0.001	83246480	0.0272			
2	100	6.204	6.204	0.000	242367693	0.0257			
						RPD = 5.60			
22 Heptachlor									
1	100	5.186	5.187	-0.001	72478234	0.0273			
2	100	6.302	6.303	-0.001	209930947	0.0264			
						RPD = 3.41			
4 Aldrin									
1	100	5.637	5.639	-0.002	82704635	0.0259			
2	100	7.021	7.021	0.000	223205752	0.0252			
						RPD = 2.77			
23 Heptachlor epoxide									
1	100	6.866	6.868	-0.002	70166567	0.0272			
2	100	8.506	8.506	0.000	192758553	0.0264			
						RPD = 2.83			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
21 gamma-Chlordane									
1	100	7.171	7.174	-0.003	75037606	0.0267			
2	100	8.933	8.933	0.000	193046161	0.0258			
						RPD = 3.25			
6 alpha-Chlordane									
1	100	7.522	7.526	-0.004	74765083	0.0257			
2	100	9.246	9.246	0.000	188416441	0.0249			
						RPD = 2.89			
14 Endosulfan I									
1	100	7.800	7.803	-0.003	65811129	0.0271			
2	100	9.306	9.307	-0.001	165090289	0.0267			
						RPD = 1.59			
2 4,4'-DDE									
1	100	7.903	7.906	-0.003	78217634	0.0262			
2	100	9.705	9.706	-0.001	186708047	0.0249			
						RPD = 5.13			
13 Dieldrin									
1	100	8.366	8.367	-0.001	66970501	0.0268			
2	100	9.842	9.842	0.000	179973939	0.0264			
						RPD = 1.41			
17 Endrin									
1	100	8.823	8.827	-0.004	60739686	0.0268			
2	100	10.365	10.363	0.002	166091839	0.0263			
						RPD = 2.08			
1 4,4'-DDD									
1	100	9.187	9.188	-0.001	49068886	0.0267			
2	100	10.734	10.735	-0.001	291513708	0.0270			
						RPD = 1.12			
15 Endosulfan II									
1	100	9.275	9.276	-0.001	64784079	0.0275			
2	100	10.734	10.735	-0.001	291513708	0.0266			
						RPD = 2.99			
3 4,4'-DDT									
1	100	9.709	9.711	-0.002	54101773	0.0271			
2	100	11.220	11.221	-0.001	129456951	0.0263			
						RPD = 3.22			
18 Endrin aldehyde									
1	100	10.069	10.071	-0.002	48086950	0.0267			
2	100	11.308	11.309	-0.001	126050192	0.0266			
						RPD = 0.30			
27 Methoxychlor									
1	100	10.660	10.661	-0.001	25220205	0.0270			
2	100	12.298	12.297	0.001	63965734	0.0257			
						RPD = 4.79			
16 Endosulfan sulfate									
1	100	10.793	10.794	-0.001	59143858	0.0272			
2	100	11.740	11.741	-0.001	150749820	0.0266			
						RPD = 2.33			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
19 Endrin ketone									
1	100	11.192	11.194	-0.002	57739990	0.0257			
2	100	12.479	12.478	0.001	148410829	0.0257			
						RPD = 0.00			

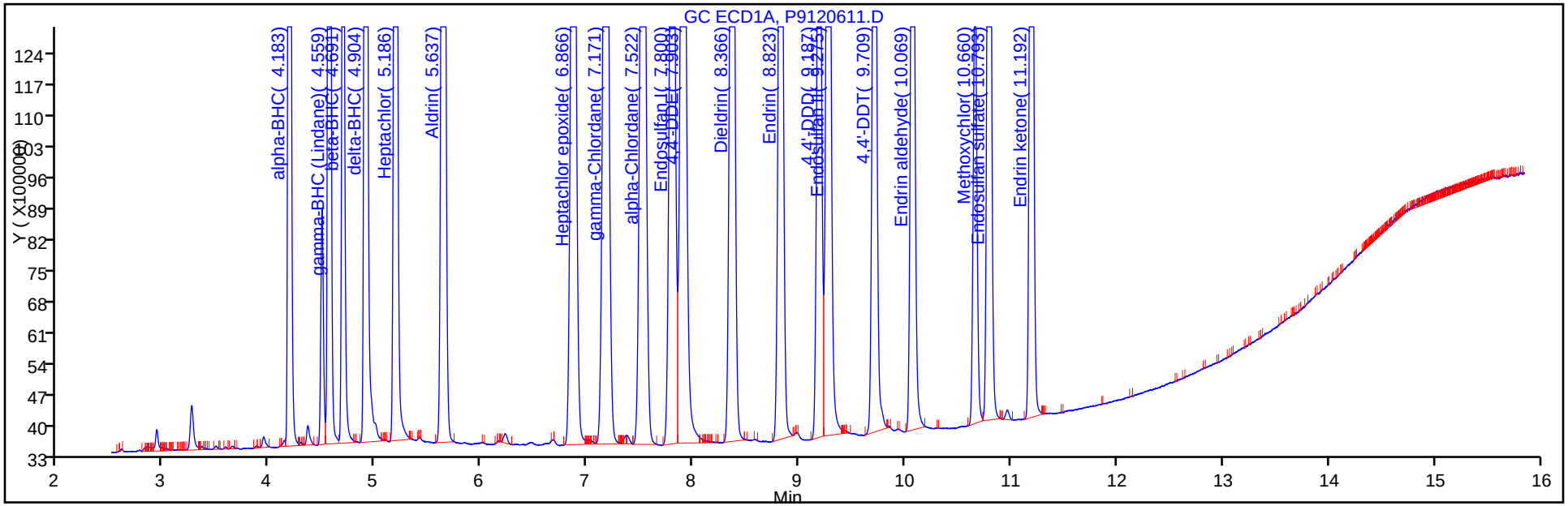
Report Date: 07-Dec-2012 10:25:29 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

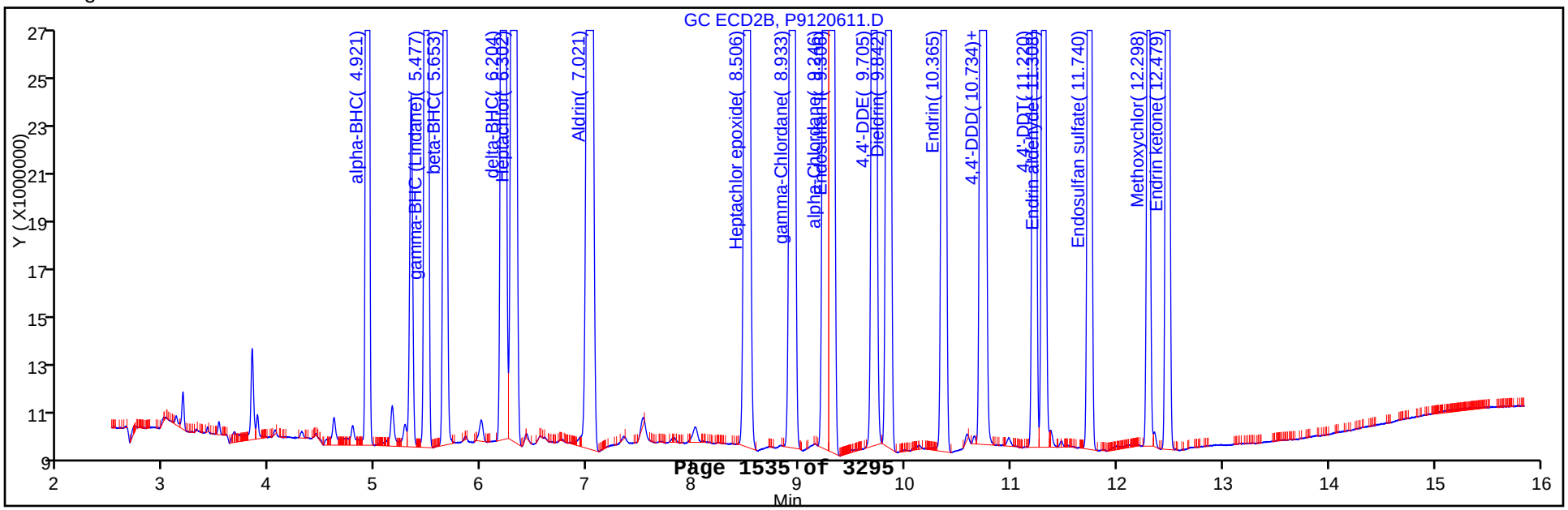
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120611.D

Injection Date:	06-Dec-2012 13:33:04	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	11
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-67554/17 Calibration Date: 12/06/2012 16:16

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 13:58

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/06/2012 15:48

Lab File ID: P9120617.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	68992790	39207309		0.568	1.00	-43.2*	20.0
Toxaphene Peak 2	Ave	85469637	68167548		0.798	1.00	-20.2*	20.0
Toxaphene Peak 3	Ave	73765512	68088453		0.923	1.00	-7.7	20.0
Toxaphene Peak 4	Ave	98743767	108899183		1.10	1.00	10.3	20.0
Toxaphene Peak 5	Ave	63625849	95304588		1.50	1.00	49.8*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-67554/17 Calibration Date: 12/06/2012 16:16

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 13:58

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/06/2012 15:48

Lab File ID: P9120617.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	9.51	9.48	9.54
Toxaphene Peak 2	9.95	9.92	9.98
Toxaphene Peak 3	10.02	9.99	10.05
Toxaphene Peak 4	10.60	10.58	10.64
Toxaphene Peak 5	11.17	11.14	11.20

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120617.D
Lims ID: ICV Client ID:
Inject. Date: 06-Dec-2012 16:16:09 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0015581-017
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 17
Lims Batch ID: 67554 Lims Sample ID: 17
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\PEST9.m
Last Update: 07-Dec-2012 10:25:40 Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

First Level Reviewer: vandorenc Date: 07-Dec-2012 07:53:37

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.507	9.508	-0.001	39207309	0.5683		100.0	M
1	2	9.950	9.951	-0.001	68167548	0.7976	105.5- 145.5	173.9	M
1	3	10.023	10.021	0.002	68088453	0.9230	90.3- 130.3	173.7	M
1	4	10.603	10.605	-0.002	108899183	1.10	116.9- 156.9	277.8	M
1	5	11.168	11.170	-0.002	95304588	1.50	64.5- 104.5	243.1	M
			Average of Peak Amounts =			0.9779			
2	100	10.898	10.898	0.000	161727066	0.6092		100.0	M
2	2	11.447	11.448	-0.001	111317261	0.6707	43.7- 83.7	68.8	M
2	3	11.848	11.848	0.000	156685730	0.9137	45.7- 85.7	96.9	M
2	4	12.077	12.077	0.000	244273242	0.9512	80.2- 120.2	151.0	M
2	5	12.461	12.464	-0.003	105618515	0.8639	28.1- 68.1	65.3	M
			Average of Peak Amounts =			0.8017			
						RPD = 19.80			

QC Flag Legend

Review Flags
M - Manually Integrated

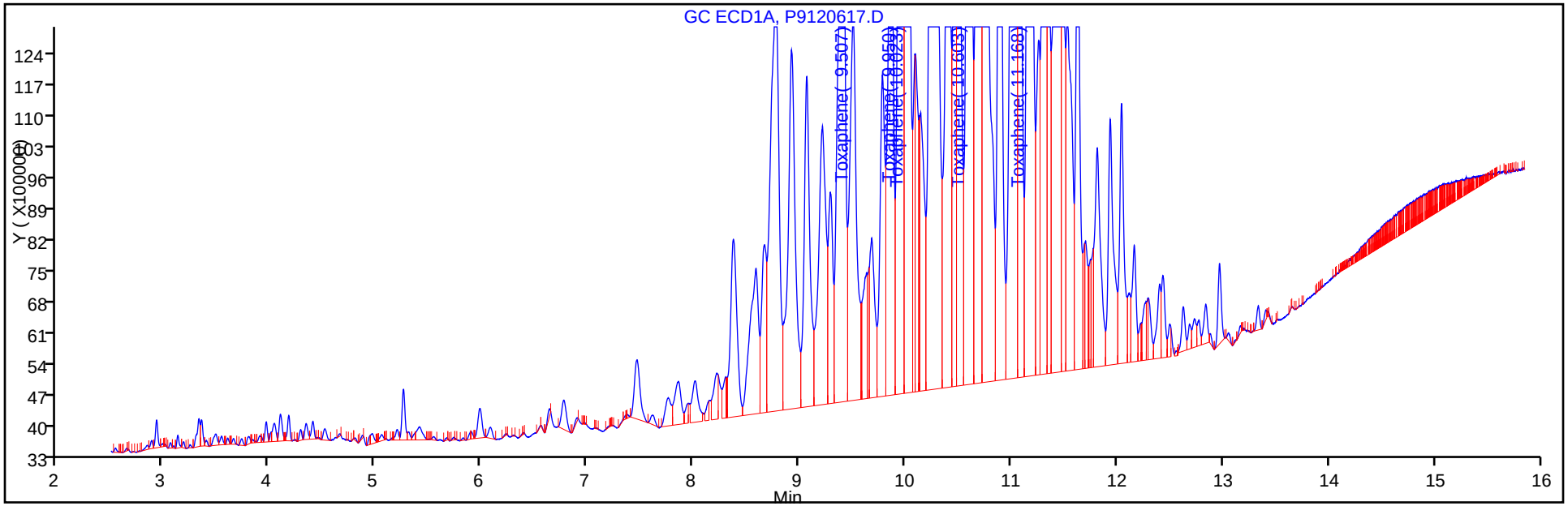
Report Date: 07-Dec-2012 10:25:45 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

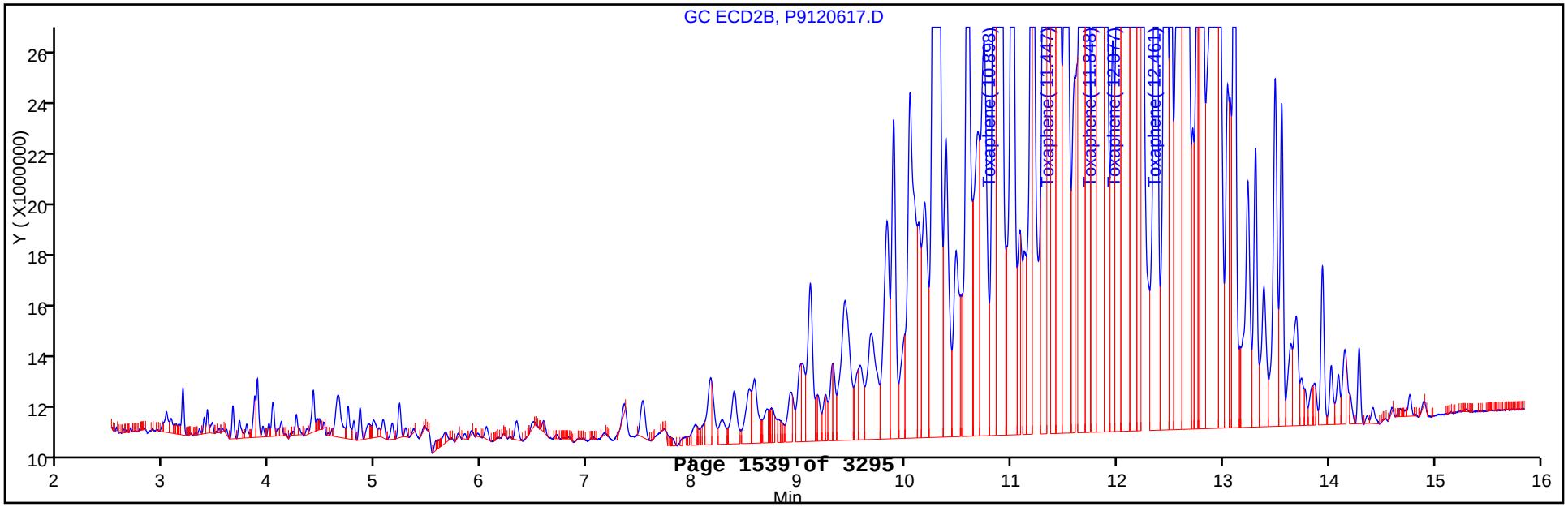
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120617.D

Injection Date:	06-Dec-2012 16:16:09	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	17
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



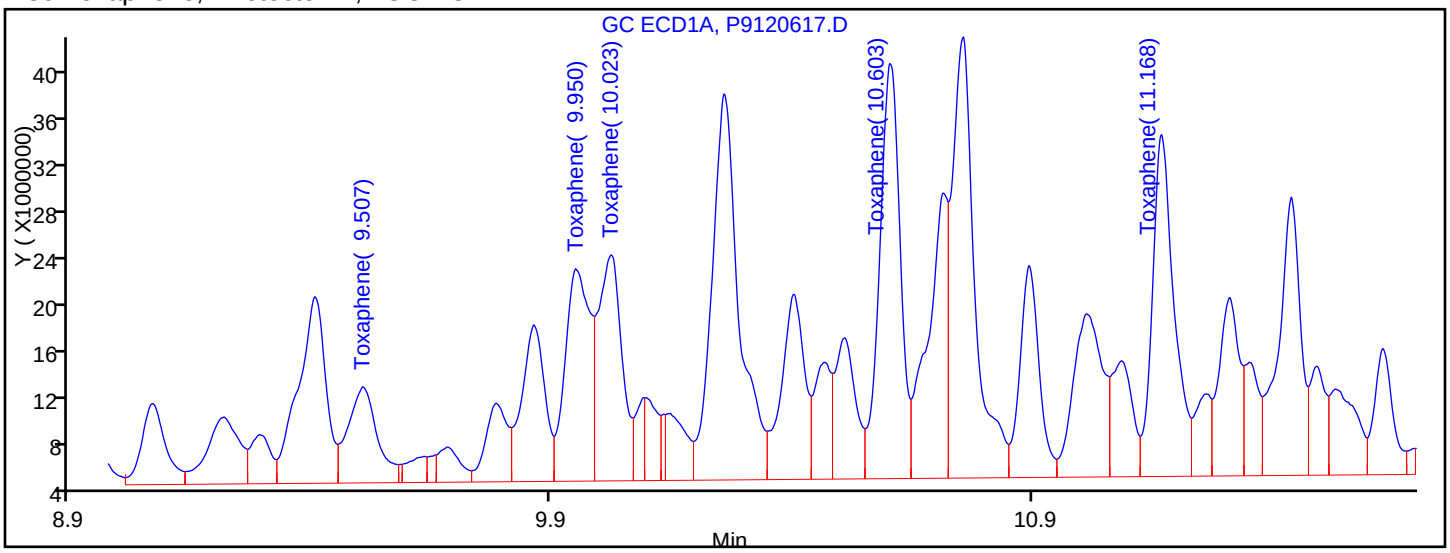
Report Date: 07-Dec-2012 10:25:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120617.D

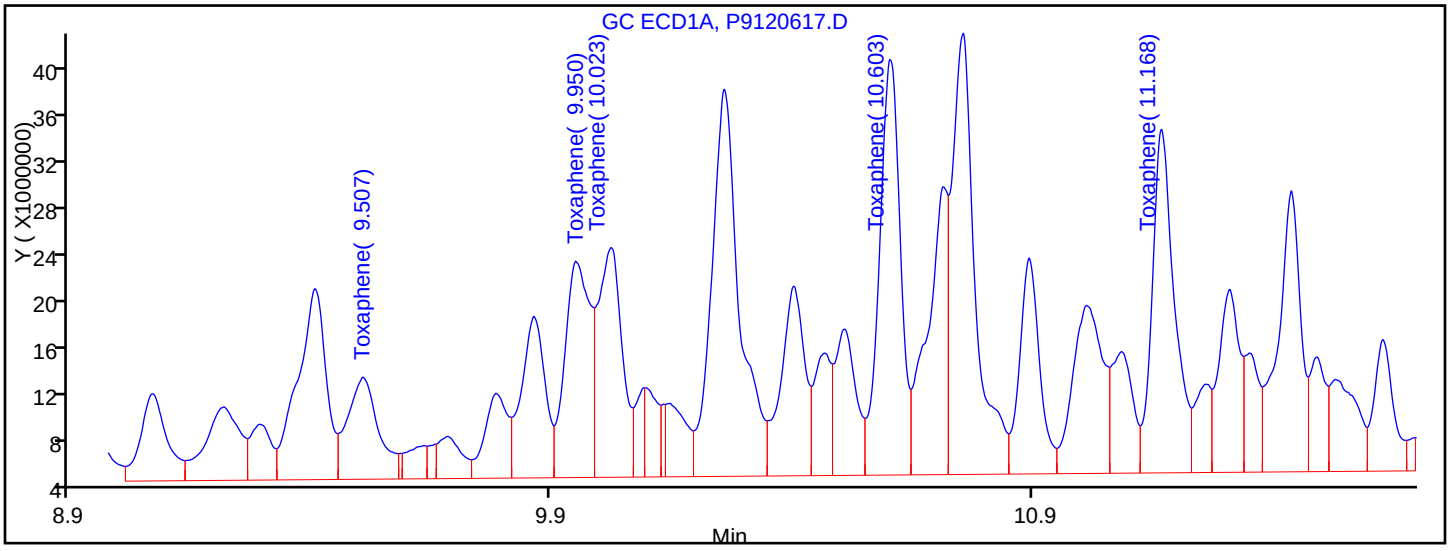
Injection Date:	06-Dec-2012 16:16:09	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	17
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 9.507	Response = 34282558	M
RT = 9.950	Response = 64878341	M
RT = 10.023	Response = 64930404	M
RT = 10.603	Response = 105162425	M
RT = 11.168	Response = 91153670	M



Manual Integration Results

RT = 9.507	Response = 39207309	M
RT = 9.950	Response = 68167548	M
RT = 10.023	Response = 68088453	M
RT = 10.603	Response = 108899183	M
RT = 11.168	Response = 95304588	M

Reviewer: vandorenc, 07-Dec-2012 07:59:02

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-67554/17 Calibration Date: 12/06/2012 16:16

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 13:58

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/06/2012 15:48

Lab File ID: P9120617.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	265485355	161727066		0.609	1.00	-39.1*	20.0
Toxaphene Peak 2	Ave	165982849	111317261		0.671	1.00	-32.9*	20.0
Toxaphene Peak 3	Ave	171487862	156685730		0.914	1.00	-8.6	20.0
Toxaphene Peak 4	Ave	256795996	244273242		0.951	1.00	-4.9	20.0
Toxaphene Peak 5	Ave	122259762	105618515		0.864	1.00	-13.6	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-67554/17 Calibration Date: 12/06/2012 16:16

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 13:58

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/06/2012 15:48

Lab File ID: P9120617.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.90	10.87	10.93
Toxaphene Peak 2	11.45	11.42	11.48
Toxaphene Peak 3	11.85	11.82	11.88
Toxaphene Peak 4	12.08	12.05	12.11
Toxaphene Peak 5	12.46	12.43	12.49

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120617.D
Lims ID: ICV
Client ID:
Inject. Date: 06-Dec-2012 16:16:09
Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0015581-017
Misc. Info.:
Operator: 093905
Instrument ID: A2HP9
Injection Vol: 1.0 ul
ALS Bottle#: 17
Lims Batch ID: 67554
Lims Sample ID: 17
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\PEST9.m
Last Update: 07-Dec-2012 10:25:40
Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK003

First Level Reviewer: vandorenc
Date: 07-Dec-2012 07:53:37

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.507	9.508	-0.001	39207309	0.5683		100.0	M
1	2	9.950	9.951	-0.001	68167548	0.7976	105.5- 145.5	173.9	M
1	3	10.023	10.021	0.002	68088453	0.9230	90.3- 130.3	173.7	M
1	4	10.603	10.605	-0.002	108899183	1.10	116.9- 156.9	277.8	M
1	5	11.168	11.170	-0.002	95304588	1.50	64.5- 104.5	243.1	M
			Average of Peak Amounts =			0.9779			
2	100	10.898	10.898	0.000	161727066	0.6092		100.0	M
2	2	11.447	11.448	-0.001	111317261	0.6707	43.7- 83.7	68.8	M
2	3	11.848	11.848	0.000	156685730	0.9137	45.7- 85.7	96.9	M
2	4	12.077	12.077	0.000	244273242	0.9512	80.2- 120.2	151.0	M
2	5	12.461	12.464	-0.003	105618515	0.8639	28.1- 68.1	65.3	M
			Average of Peak Amounts =			0.8017			
						RPD = 19.80			

QC Flag Legend

Review Flags
M - Manually Integrated

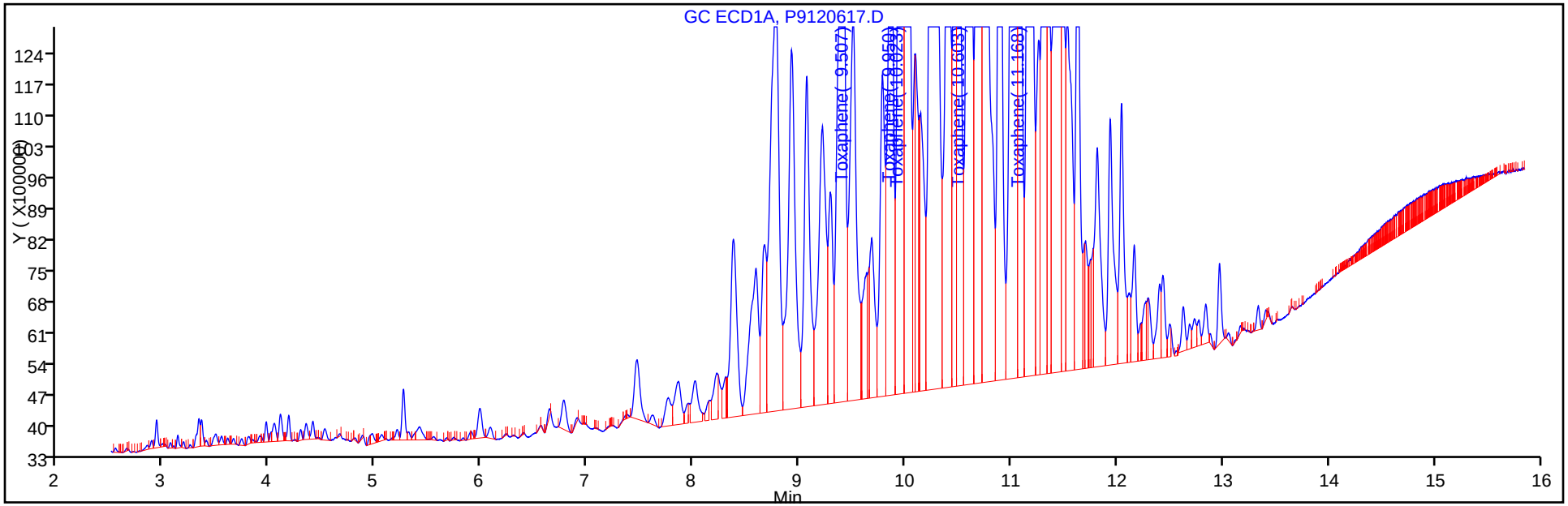
Report Date: 07-Dec-2012 10:25:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

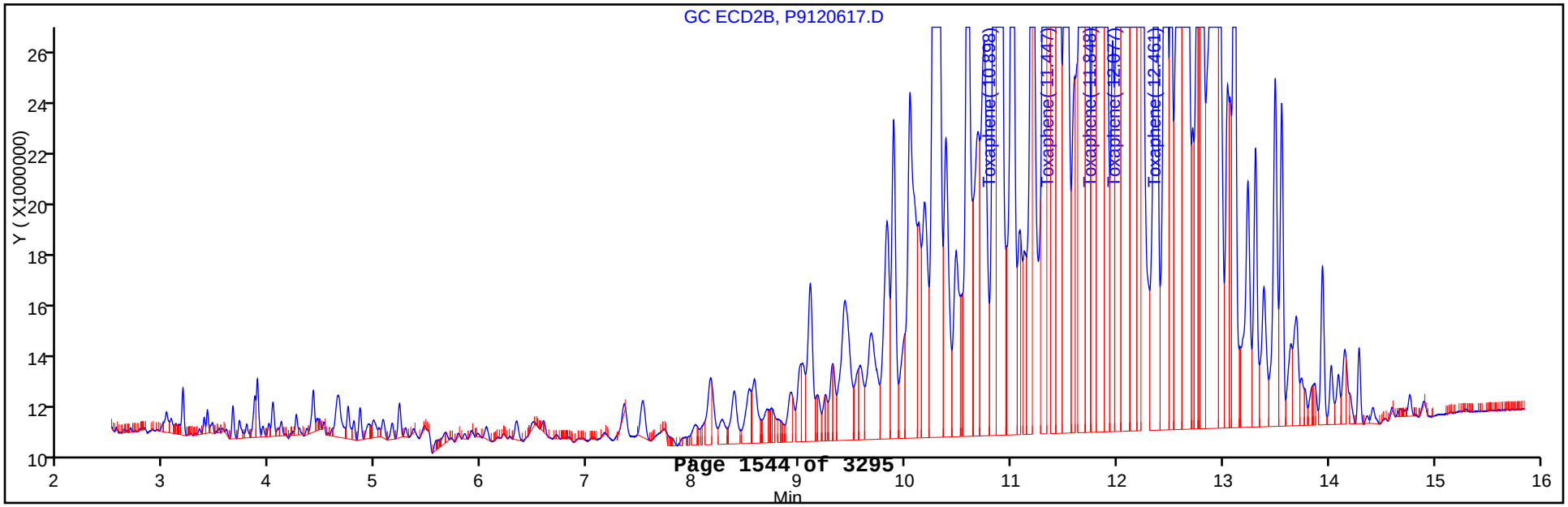
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120617.D

Injection Date:	06-Dec-2012 16:16:09	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	17
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



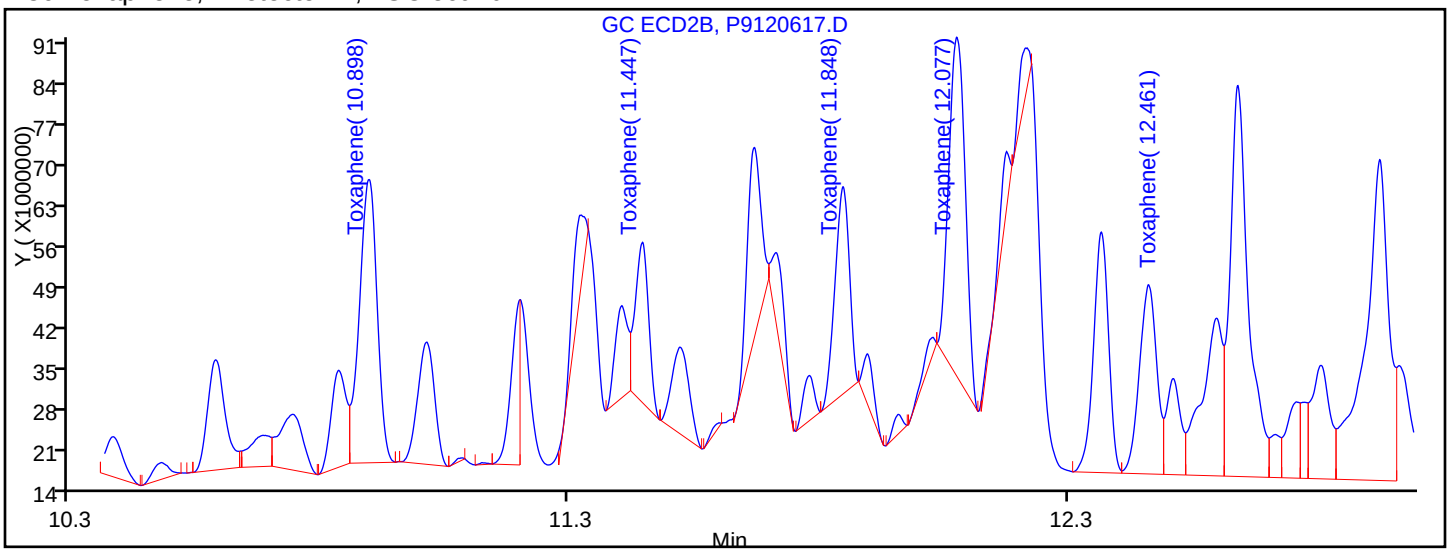
Report Date: 07-Dec-2012 10:25:47 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120617.D

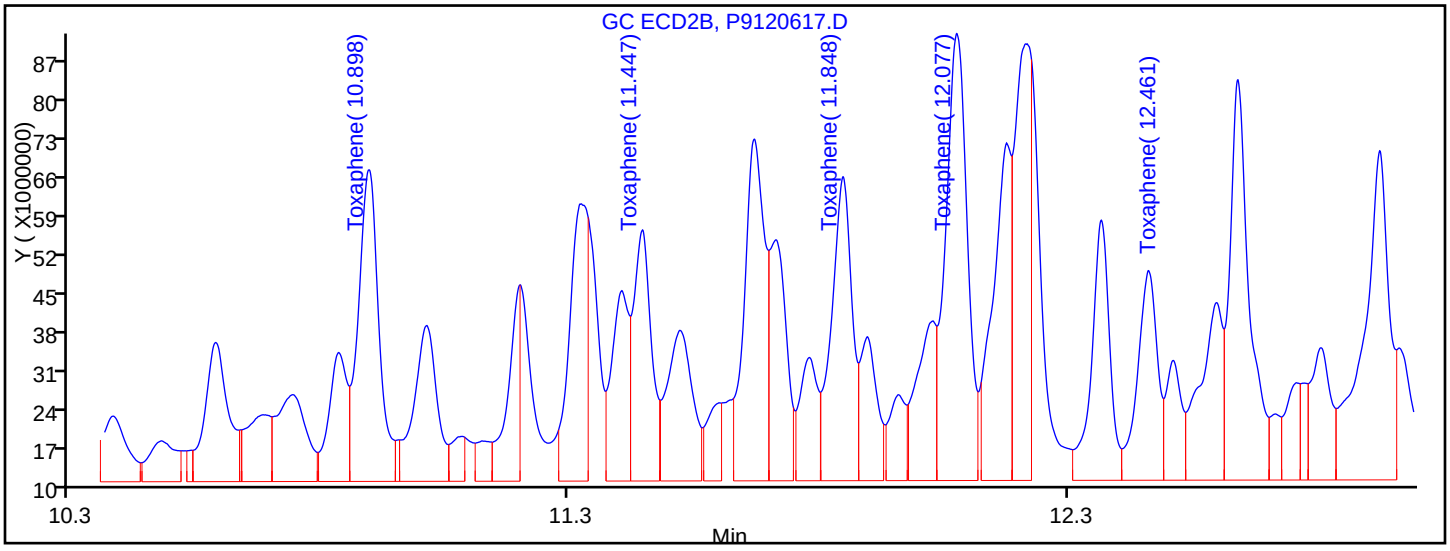
Injection Date:	06-Dec-2012 16:16:09	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	17
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 2, GC ecd2b



Processing Integration Results

RT = 10.898	Response = 121603683	M
RT = 11.447	Response = 51303547	M
RT = 11.848	Response = 72063183	M
RT = 12.077	Response = 135665421	M
RT = 12.461	Response = 79499235	M



Manual Integration Results

RT = 10.898	Response = 161727066	M
RT = 11.447	Response = 111317261	M
RT = 11.848	Response = 156685730	M
RT = 12.077	Response = 244273242	M
RT = 12.461	Response = 105618515	M

Reviewer: vandorenc, 07-Dec-2012 07:59:02

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-67554/23 Calibration Date: 12/06/2012 18:58

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 16:43

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/06/2012 18:34

Lab File ID: P9120623.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlordane (technical) Peak 1	Ave	129175756	122532460		0.0949	0.100	-5.1	20.0
Chlordane (technical) Peak 2	Ave	117593671	108787710		0.0925	0.100	-7.5	20.0
Chlordane (technical) Peak 3	Ave	386374303	330929580		0.0856	0.100	-14.4	20.0
Chlordane (technical) Peak 4	Ave	603179595	463848320		0.0769	0.100	-23.1*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-67554/23 Calibration Date: 12/06/2012 18:58

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 16:43

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/06/2012 18:34

Lab File ID: P9120623.D

Analyte	RT	RT WINDOW	
		FROM	TO
Chlordane (technical) Peak 1	5.07	5.05	5.11
Chlordane (technical) Peak 2	5.93	5.90	5.96
Chlordane (technical) Peak 3	7.17	7.14	7.20
Chlordane (technical) Peak 4	7.52	7.49	7.55

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120623.D
Lims ID: ICV TC Client ID:
Inject. Date: 06-Dec-2012 18:58:59 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0015581-023
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 23
Lims Batch ID: 67554 Lims Sample ID: 23
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\PEST9.m
Last Update: 07-Dec-2012 10:25:59 Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

First Level Reviewer: vandorenc Date: 07-Dec-2012 08:47:07

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									
1	100	5.072	5.078	-0.006	12253246	0.0949		100.0	
1	2	5.927	5.928	-0.001	10878771	0.0925	68.4- 108.4	88.8	
1	3	7.172	7.172	0.000	33092958	0.0856	289.4- 329.4	270.1	
1	4	7.520	7.519	0.001	46384832	0.0769	465.8- 505.8	378.6	
			Average of Peak Amounts =			0.0875			
2	100	6.008	6.010	-0.002	38624686	0.0784		100.0	
2	2	7.510	7.508	0.002	32958797	0.1084	8.4- 48.4	85.3	
2	3	8.932	8.931	0.001	85534520	0.0947	101.3- 141.3	221.5	
2	4	9.245	9.244	0.001	76882096	0.0949	72.8- 112.8	199.0	
			Average of Peak Amounts =			0.0941			
						RPD = 7.26			

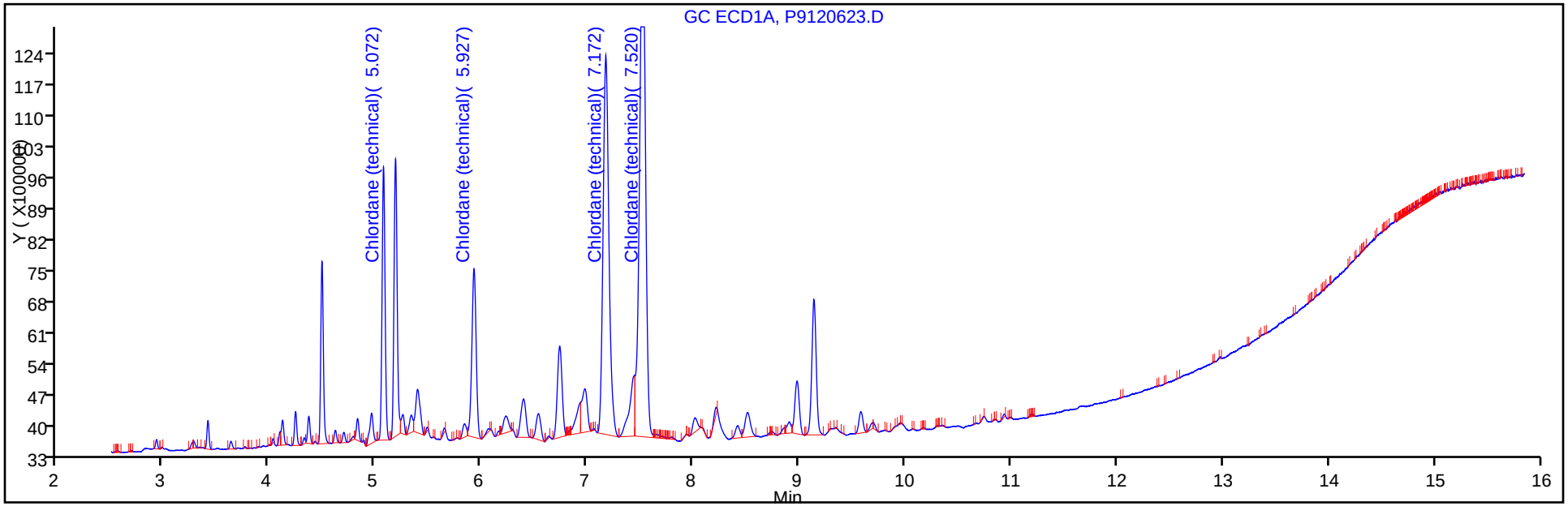
Report Date: 07-Dec-2012 10:26:04 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

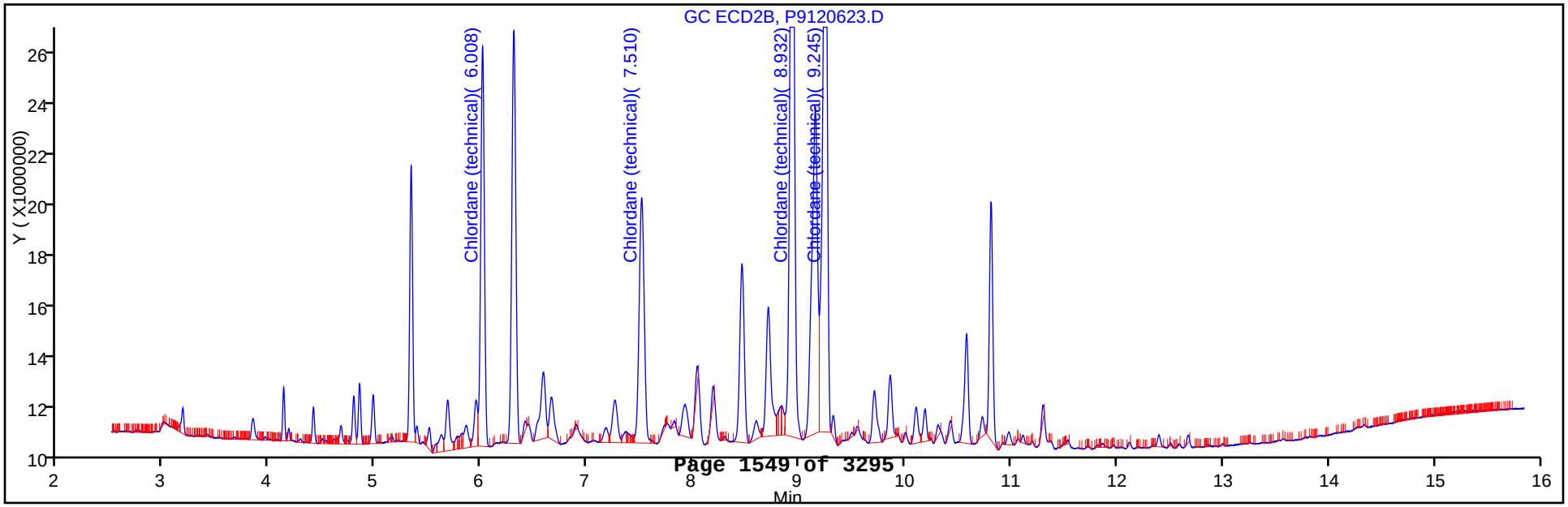
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120623.D

Injection Date:	06-Dec-2012 18:58:59	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	23
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-67554/23 Calibration Date: 12/06/2012 18:58

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 16:43

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/06/2012 18:34

Lab File ID: P9120623.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlordane (technical) Peak 1	Ave	492705439	386246860		0.0784	0.100	-21.6*	20.0
Chlordane (technical) Peak 2	Ave	304182988	329587970		0.108	0.100	8.4	20.0
Chlordane (technical) Peak 3	Ave	903671005	855345200		0.0947	0.100	-5.3	20.0
Chlordane (technical) Peak 4	Ave	810442430	768820960		0.0949	0.100	-5.1	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-67554/23 Calibration Date: 12/06/2012 18:58

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 16:43

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/06/2012 18:34

Lab File ID: P9120623.D

Analyte	RT	RT WINDOW	
		FROM	TO
Chlordane (technical) Peak 1	6.01	5.98	6.04
Chlordane (technical) Peak 2	7.51	7.48	7.54
Chlordane (technical) Peak 3	8.93	8.90	8.96
Chlordane (technical) Peak 4	9.25	9.21	9.27

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120623.D
Lims ID: ICV TC
Client ID:
Inject. Date: 06-Dec-2012 18:58:59
Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0015581-023
Misc. Info.:
Operator: 093905
Instrument ID: A2HP9
Injection Vol: 1.0 ul
ALS Bottle#: 23
Lims Batch ID: 67554
Lims Sample ID: 23
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\PEST9.m
Last Update: 07-Dec-2012 10:25:59
Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK003

First Level Reviewer: vandorenc
Date: 07-Dec-2012 08:47:07

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									
1	100	5.072	5.078	-0.006	12253246	0.0949		100.0	
1	2	5.927	5.928	-0.001	10878771	0.0925	68.4- 108.4	88.8	
1	3	7.172	7.172	0.000	33092958	0.0856	289.4- 329.4	270.1	
1	4	7.520	7.519	0.001	46384832	0.0769	465.8- 505.8	378.6	
			Average of Peak Amounts =			0.0875			
2	100	6.008	6.010	-0.002	38624686	0.0784		100.0	
2	2	7.510	7.508	0.002	32958797	0.1084	8.4- 48.4	85.3	
2	3	8.932	8.931	0.001	85534520	0.0947	101.3- 141.3	221.5	
2	4	9.245	9.244	0.001	76882096	0.0949	72.8- 112.8	199.0	
			Average of Peak Amounts =			0.0941			
						RPD = 7.26			

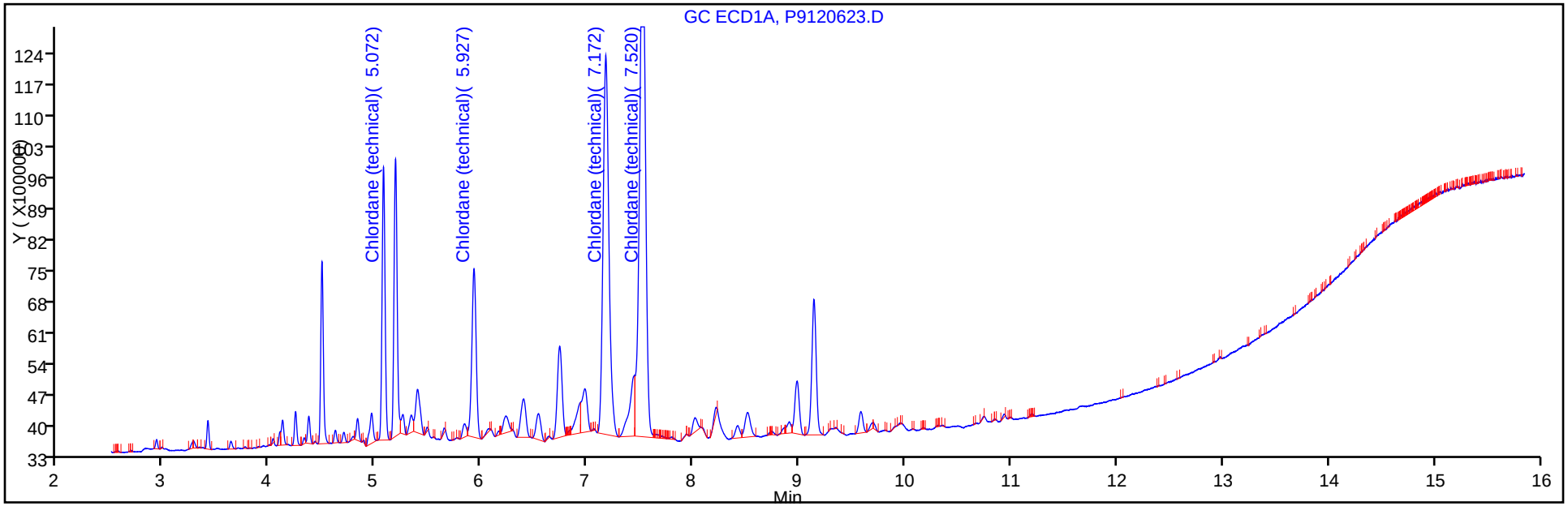
Report Date: 07-Dec-2012 10:26:05 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

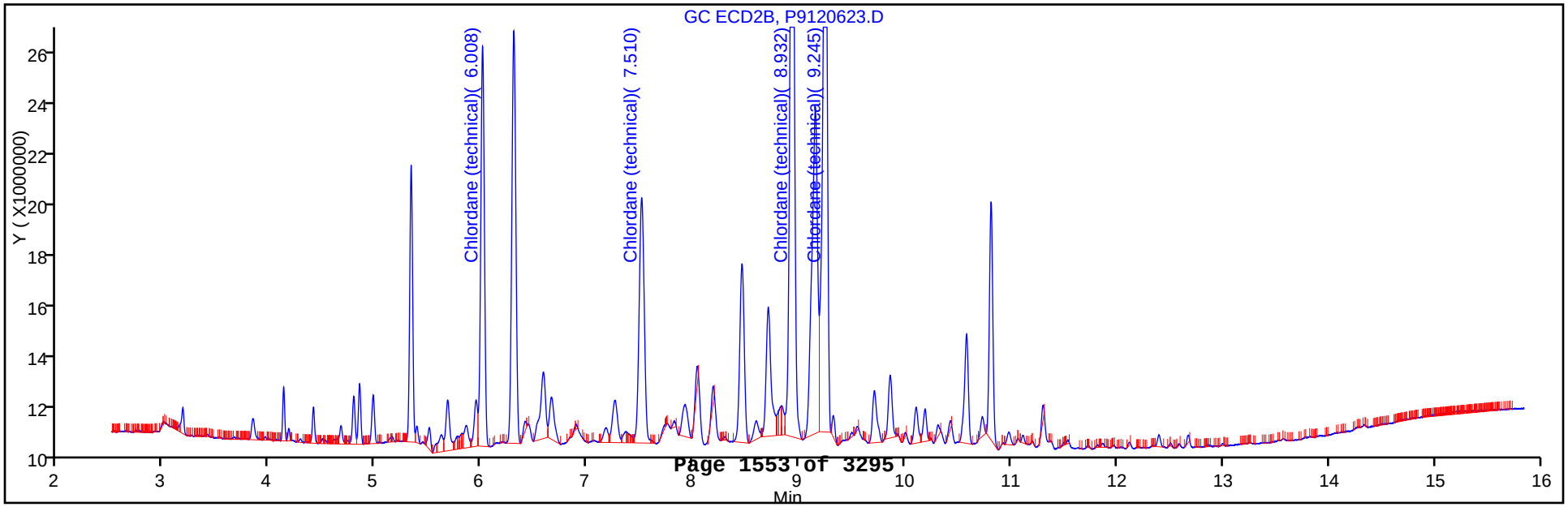
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120623.D

Injection Date:	06-Dec-2012 18:58:59	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	23
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-69152/5 Calibration Date: 12/18/2012 10:28

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 13:58

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/06/2012 15:48

Lab File ID: P9121805.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	68992790	68618510		0.995	1.00	-0.5	20.0
Toxaphene Peak 2	Ave	85469637	85835308		1.00	1.00	0.4	20.0
Toxaphene Peak 3	Ave	73765512	67734840		0.918	1.00	-8.2	20.0
Toxaphene Peak 4	Ave	98743767	91264191		0.924	1.00	-7.6	20.0
Toxaphene Peak 5	Ave	63625849	58408675		0.918	1.00	-8.2	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-69152/5 Calibration Date: 12/18/2012 10:28

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 13:58

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/06/2012 15:48

Lab File ID: P9121805.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	9.51	9.48	9.54
Toxaphene Peak 2	9.95	9.92	9.98
Toxaphene Peak 3	10.02	9.99	10.05
Toxaphene Peak 4	10.60	10.57	10.63
Toxaphene Peak 5	11.17	11.14	11.20

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\P9121805.D
Lims ID: CCV TOX3 Client ID:
Inject. Date: 18-Dec-2012 10:28:11 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0015955-005
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 69152 Lims Sample ID: 5
Sublist: chrom-PEST9*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\PEST9.m
Last Update: 19-Dec-2012 12:50:01 Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK024

First Level Reviewer: vandorenc Date: 18-Dec-2012 11:15:01

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.505	9.505	0.000	68618510	0.99		100.0	M
1	2	9.950	9.950	0.000	85835308	1.00	105.5- 145.5	125.1	M
1	3	10.016	10.016	0.000	67734840	0.9182	90.3- 130.3	98.7	M
1	4	10.601	10.601	0.000	91264191	0.9243	116.9- 156.9	133.0	M
1	5	11.167	11.167	0.000	58408675	0.9180	64.5- 104.5	85.1	M
			Average of Peak Amounts =			0.9519			
2	100	10.893	10.893	0.000	265661293	1.00		100.0	M
2	2	11.441	11.441	0.000	157109973	0.9465	43.7- 83.7	59.1	M
2	3	11.843	11.843	0.000	152515933	0.8894	45.7- 85.7	57.4	M
2	4	12.071	12.071	0.000	227332473	0.8853	80.2- 120.2	85.6	M
2	5	12.458	12.458	0.000	94382033	0.7720	28.1- 68.1	35.5	M
			Average of Peak Amounts =			0.8988			
						RPD = 5.74			

QC Flag Legend

Review Flags
M - Manually Integrated

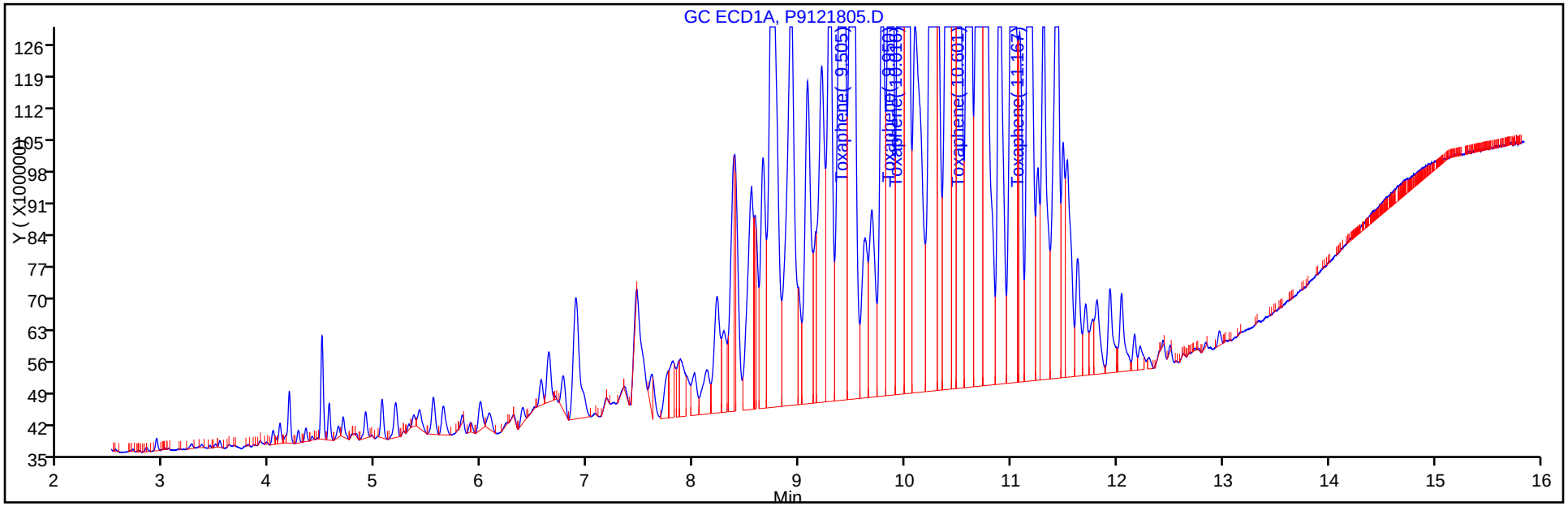
Report Date: 19-Dec-2012 12:50:01 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

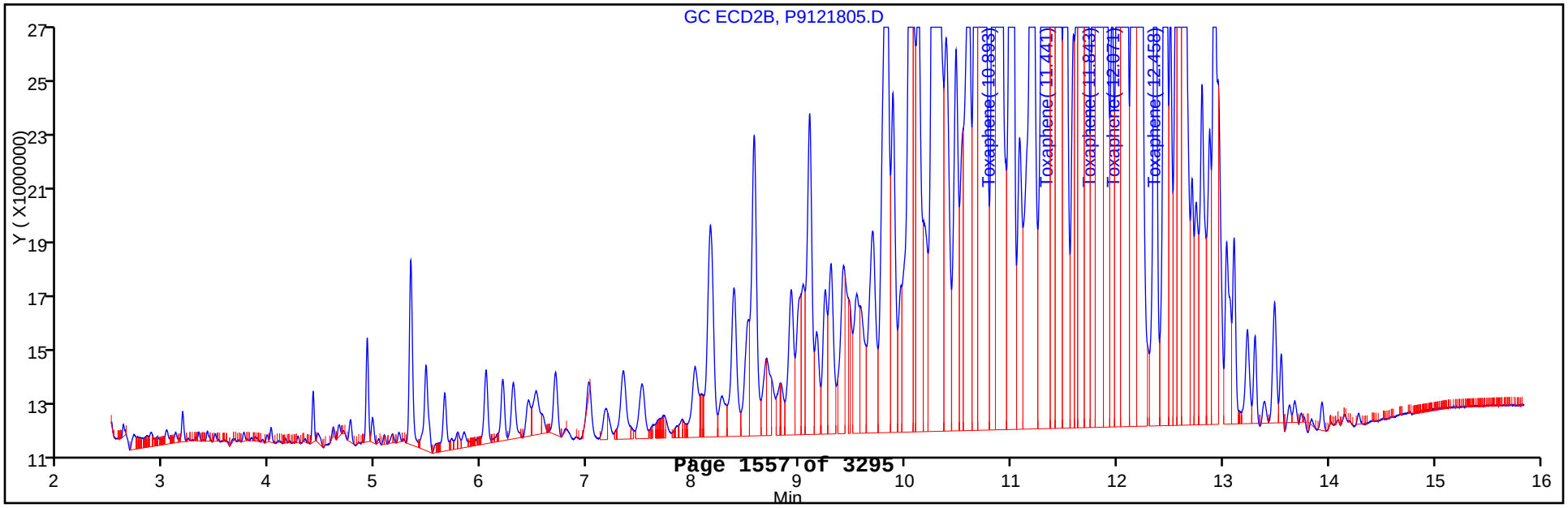
Data File: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\P9121805.D

Injection Date:	18-Dec-2012 10:28:11	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69152	Lims Sample ID:	5
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



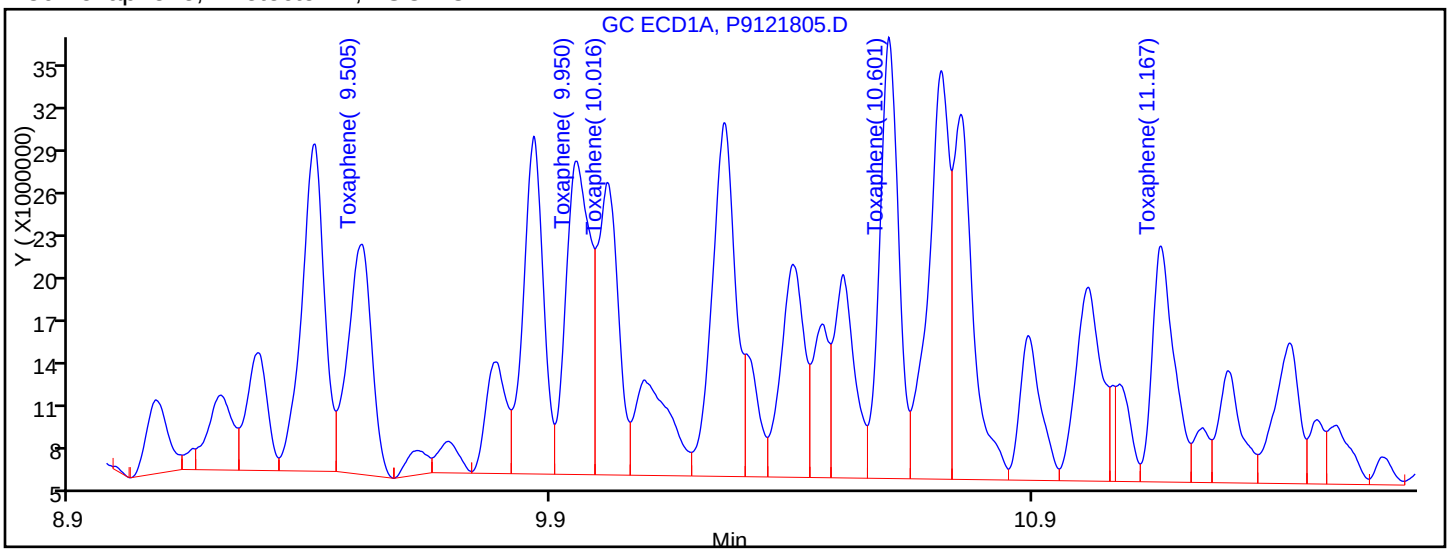
Report Date: 19-Dec-2012 12:50:02 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\P9121805.D

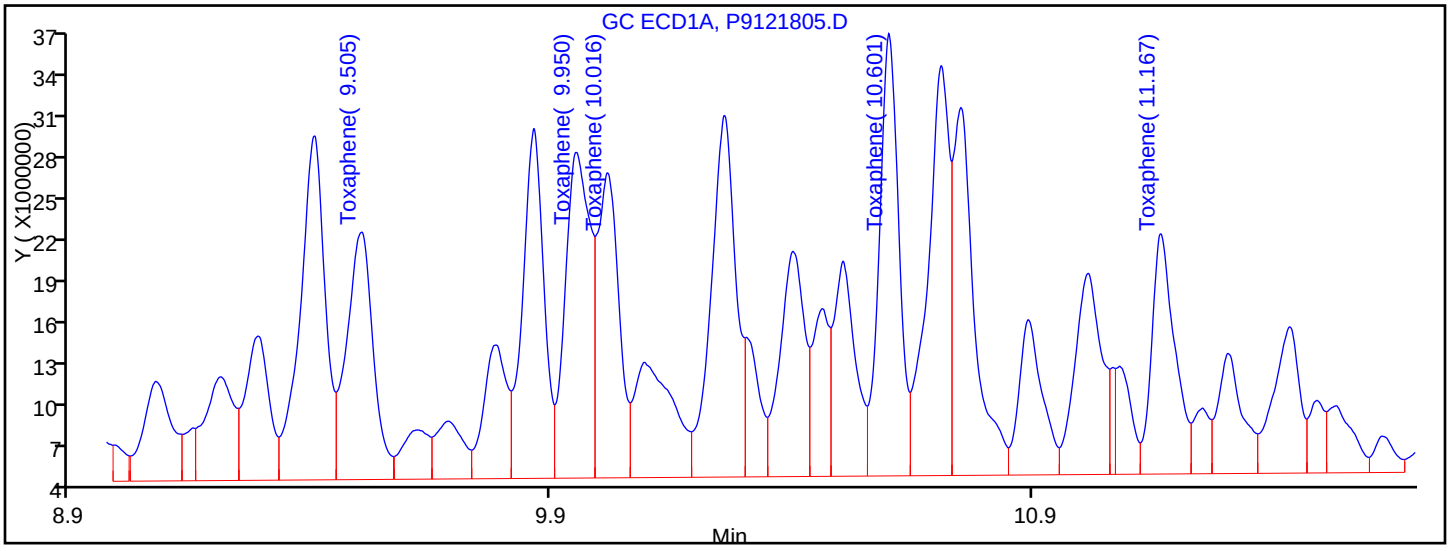
Injection Date:	18-Dec-2012 10:28:11	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69152	Lims Sample ID:	5
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 9.505	Response = 55057173	M
RT = 9.950	Response = 76657105	M
RT = 10.016	Response = 59969012	M
RT = 10.601	Response = 83871198	M
RT = 11.167	Response = 52071743	M



Manual Integration Results

RT = 9.505	Response = 68618510	M
RT = 9.950	Response = 85835308	M
RT = 10.016	Response = 67734840	M
RT = 10.601	Response = 91264191	M
RT = 11.167	Response = 58408675	M

Reviewer: vandorenc, 18-Dec-2012 11:15:01

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-69152/5 Calibration Date: 12/18/2012 10:28

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 13:58

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/06/2012 15:48

Lab File ID: P9121805.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	265485355	265661293		1.00	1.00	0.0	20.0
Toxaphene Peak 2	Ave	165982849	157109973		0.947	1.00	-5.3	20.0
Toxaphene Peak 3	Ave	171487862	152515933		0.889	1.00	-11.1	20.0
Toxaphene Peak 4	Ave	256795996	227332473		0.885	1.00	-11.5	20.0
Toxaphene Peak 5	Ave	122259762	94382033		0.772	1.00	-22.8*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-69152/5 Calibration Date: 12/18/2012 10:28

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 13:58

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/06/2012 15:48

Lab File ID: P9121805.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.89	10.86	10.92
Toxaphene Peak 2	11.44	11.41	11.47
Toxaphene Peak 3	11.84	11.81	11.87
Toxaphene Peak 4	12.07	12.04	12.10
Toxaphene Peak 5	12.46	12.43	12.49

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\P9121805.D
Lims ID: CCV TOX3 Client ID:
Inject. Date: 18-Dec-2012 10:28:11 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0015955-005
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 69152 Lims Sample ID: 5
Sublist: chrom-PEST9*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\PEST9.m
Last Update: 19-Dec-2012 12:50:01 Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK024

First Level Reviewer: vandorenc Date: 18-Dec-2012 11:15:01

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.505	9.505	0.000	68618510	0.99		100.0	M
1	2	9.950	9.950	0.000	85835308	1.00	105.5- 145.5	125.1	M
1	3	10.016	10.016	0.000	67734840	0.9182	90.3- 130.3	98.7	M
1	4	10.601	10.601	0.000	91264191	0.9243	116.9- 156.9	133.0	M
1	5	11.167	11.167	0.000	58408675	0.9180	64.5- 104.5	85.1	M
			Average of Peak Amounts =			0.9519			
2	100	10.893	10.893	0.000	265661293	1.00		100.0	M
2	2	11.441	11.441	0.000	157109973	0.9465	43.7- 83.7	59.1	M
2	3	11.843	11.843	0.000	152515933	0.8894	45.7- 85.7	57.4	M
2	4	12.071	12.071	0.000	227332473	0.8853	80.2- 120.2	85.6	M
2	5	12.458	12.458	0.000	94382033	0.7720	28.1- 68.1	35.5	M
			Average of Peak Amounts =			0.8988			
						RPD = 5.74			

QC Flag Legend

Review Flags
M - Manually Integrated

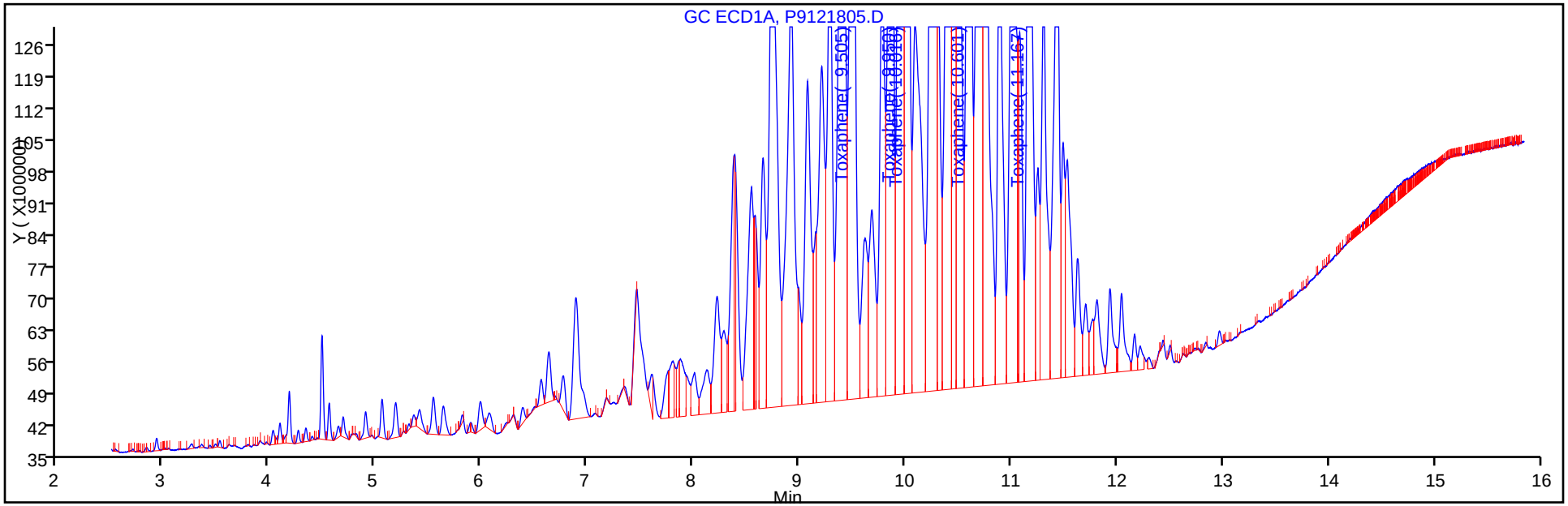
Report Date: 19-Dec-2012 12:50:02 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

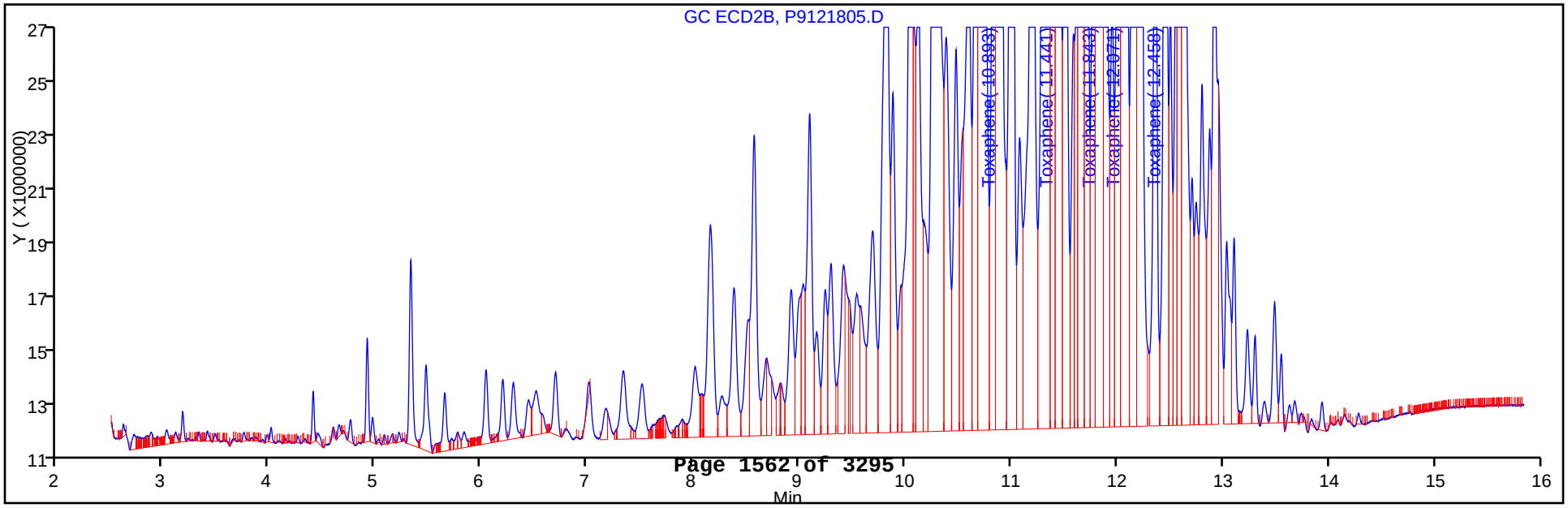
Data File: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\P9121805.D

Injection Date:	18-Dec-2012 10:28:11	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69152	Lims Sample ID:	5
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



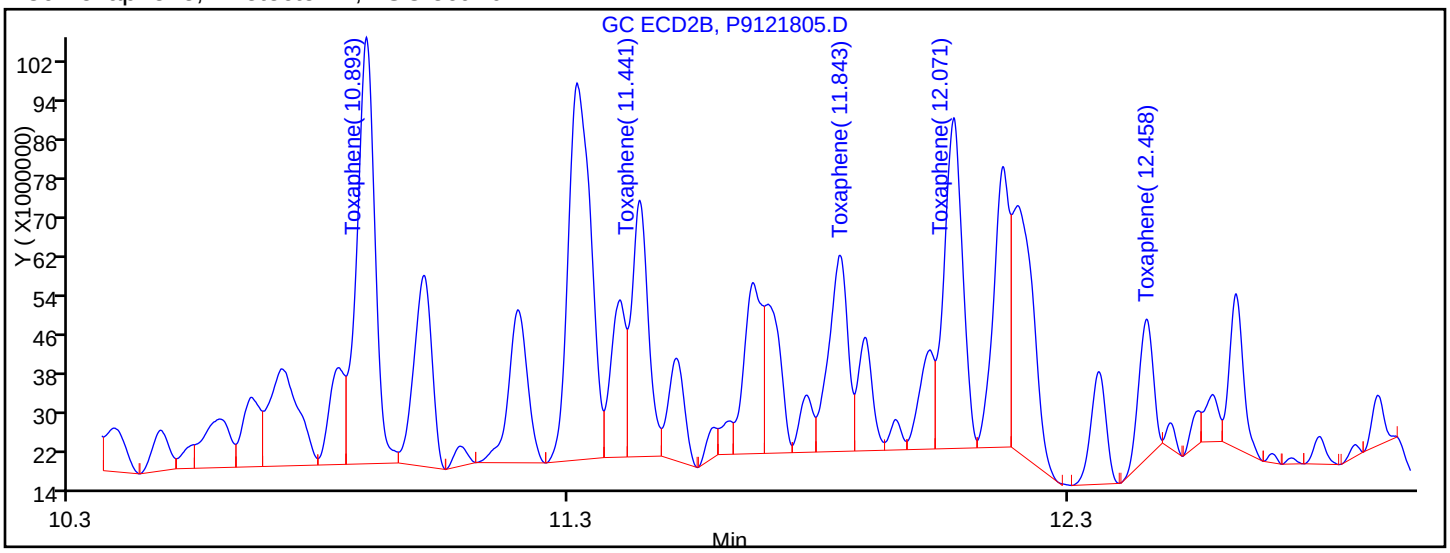
Report Date: 19-Dec-2012 12:50:02 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\P9121805.D

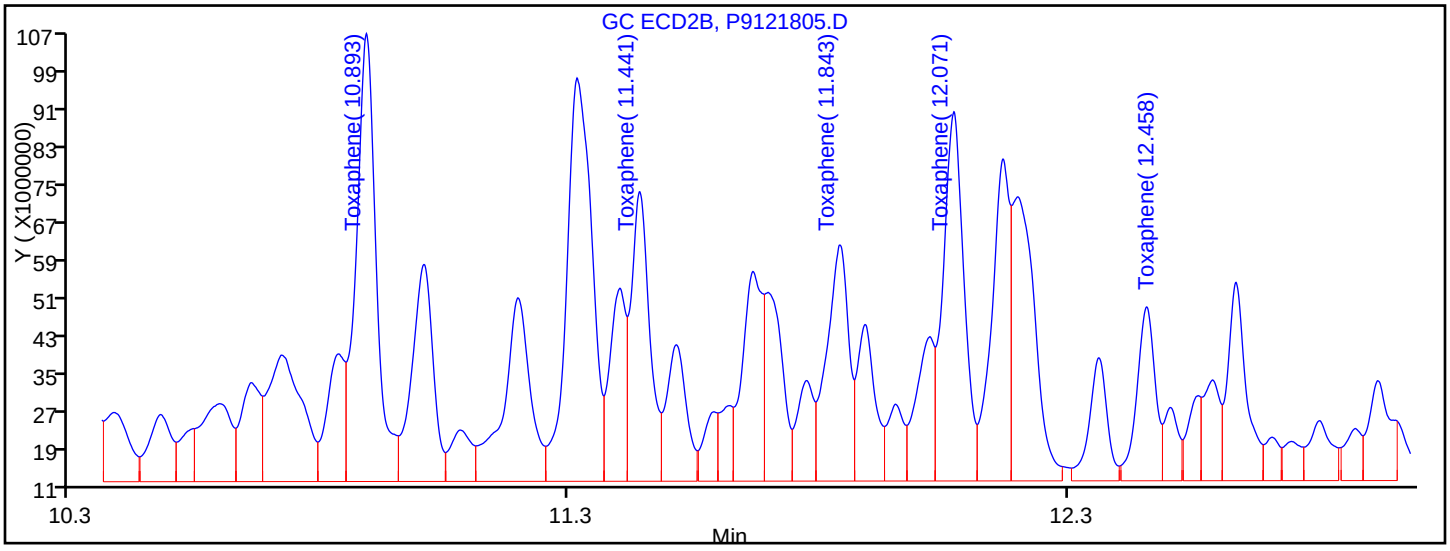
Injection Date:	18-Dec-2012 10:28:11	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69152	Lims Sample ID:	5
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 2, GC ecd2b



Processing Integration Results

RT = 10.893	Response = 219774292	M
RT = 11.441	Response = 121510612	M
RT = 11.843	Response = 107576980	M
RT = 12.071	Response = 175388758	M
RT = 12.458	Response = 58279605	M



Manual Integration Results

RT = 10.893	Response = 265661293	M
RT = 11.441	Response = 157109973	M
RT = 11.843	Response = 152515933	M
RT = 12.071	Response = 227332473	M
RT = 12.458	Response = 94382033	M

Reviewer: vandorenc, 18-Dec-2012 11:15:01

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-69152/7 Calibration Date: 12/18/2012 11:23

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 10:48

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/06/2012 13:08

Lab File ID: P9121807.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	3421434316	3315898680		0.0242	0.0250	-3.1	20.0
gamma-BHC (Lindane)	Ave	2913769986	2931928880		0.0252	0.0250	0.6	20.0
beta-BHC	Ave	1250224244	1257775560		0.0252	0.0250	0.6	20.0
delta-BHC	Ave	3061752536	3058995040		0.0250	0.0250	-0.0	20.0
Heptachlor	Ave	2655006807	2824843120		0.0266	0.0250	6.4	20.0
Aldrin	Ave	3189768763	3072993160		0.0241	0.0250	-3.7	20.0
Heptachlor epoxide	Ave	2580951581	2682286920		0.0260	0.0250	3.9	20.0
gamma-Chlordane	Ave	2810352112	2848297200		0.0253	0.0250	1.4	20.0
alpha-Chlordane	Ave	2914578305	2906447400		0.0249	0.0250	-0.3	20.0
Endosulfan I	Ave	2430184025	2570443200		0.0264	0.0250	5.8	20.0
4,4'-DDE	Ave	2984641558	2969203640		0.0249	0.0250	-0.5	20.0
Dieldrin	Ave	2497683571	2611141280		0.0261	0.0250	4.5	20.0
Endrin	Ave	2266106237	2498678840		0.0276	0.0250	10.3	20.0
4,4'-DDD	Ave	1836592891	1987628440		0.0271	0.0250	8.2	20.0
Endosulfan II	Ave	2359969486	2530343680		0.0268	0.0250	7.2	20.0
4,4'-DDT	Ave	1994537456	1982781440		0.0249	0.0250	-0.6	20.0
Endrin aldehyde	Ave	1799719498	1933998680		0.0269	0.0250	7.5	20.0
Methoxychlor	Ave	935306693	963424120		0.0258	0.0250	3.0	20.0
Endosulfan sulfate	Ave	2170510402	2276409680		0.0262	0.0250	4.9	20.0
Endrin ketone	Ave	2244151853	2409212920		0.0268	0.0250	7.4	20.0
Tetrachloro-m-xylene	Ave	2591877195	2685498520		0.0259	0.0250	3.6	20.0
DCB Decachlorobiphenyl	Ave	2389162404	2403811160		0.0252	0.0250	0.6	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-69152/7 Calibration Date: 12/18/2012 11:23

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 10:48

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/06/2012 13:08

Lab File ID: P9121807.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.18	4.15	4.21
gamma-BHC (Lindane)	4.56	4.53	4.59
beta-BHC	4.69	4.66	4.72
delta-BHC	4.90	4.87	4.93
Heptachlor	5.19	5.15	5.22
Aldrin	5.64	5.61	5.67
Heptachlor epoxide	6.87	6.84	6.90
gamma-Chlordane	7.17	7.14	7.20
alpha-Chlordane	7.52	7.49	7.55
Endosulfan I	7.80	7.77	7.83
4,4'-DDE	7.90	7.87	7.93
Dieldrin	8.37	8.34	8.40
Endrin	8.82	8.79	8.85
4,4'-DDD	9.19	9.16	9.22
Endosulfan II	9.27	9.24	9.30
4,4'-DDT	9.71	9.68	9.74
Endrin aldehyde	10.07	10.04	10.10
Methoxychlor	10.66	10.63	10.69
Endosulfan sulfate	10.79	10.76	10.82
Endrin ketone	11.19	11.16	11.22
Tetrachloro-m-xylene	3.50	3.47	3.53
DCB Decachlorobiphenyl	12.80	12.77	12.83

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\P9121807.D
Lims ID: CCV AB 3 Client ID:
Inject. Date: 18-Dec-2012 11:23:16 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 240-0015955-007
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 7
Lims Batch ID: 69152 Lims Sample ID: 7
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\PEST9.m
Last Update: 19-Dec-2012 12:50:05 Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK024

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.500	3.500	0.000	67137463	0.0259			
2	100	4.091	4.091	0.000	210126262	0.0272			
						RPD = 4.85			
5 alpha-BHC									
1	100	4.183	4.183	0.000	82897467	0.0242			
2	100	4.917	4.917	0.000	271807147	0.0252			
						RPD = 3.80			
20 gamma-BHC (Lindane)									
1	100	4.559	4.559	0.000	73298222	0.0252			
2	100	5.472	5.472	0.000	238208142	0.0265			
						RPD = 5.37			
7 beta-BHC									
1	100	4.691	4.691	0.000	31444389	0.0252			
2	100	5.649	5.649	0.000	101971644	0.0270			
						RPD = 7.20			
11 delta-BHC									
1	100	4.904	4.904	0.000	76474876	0.0250			
2	100	6.198	6.198	0.000	248687935	0.0264			
						RPD = 5.46			
22 Heptachlor									
1	100	5.186	5.186	0.000	70621078	0.0266			
2	100	6.296	6.296	0.000	219833087	0.0276			
						RPD = 3.79			
4 Aldrin									
1	100	5.636	5.636	0.000	76824829	0.0241			
2	100	7.012	7.012	0.000	228045825	0.0258			
						RPD = 6.75			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.865	6.865	0.000	67057173	0.0260			
2	100	8.499	8.499	0.000	200985406	0.0276			
						RPD = 5.88			
21 gamma-Chlordane									
1	100	7.170	7.170	0.000	71207430	0.0253			
2	100	8.926	8.926	0.000	202484156	0.0271			
						RPD = 6.76			
6 alpha-Chlordane									
1	100	7.520	7.520	0.000	72661185	0.0249			
2	100	9.239	9.239	0.000	203573413	0.0269			
						RPD = 7.70			
14 Endosulfan I									
1	100	7.800	7.800	0.000	64261080	0.0264			
2	100	9.298	9.298	0.000	174239869	0.0281			
						RPD = 6.19			
2 4,4'-DDE									
1	100	7.902	7.902	0.000	74230091	0.0249			
2	100	9.698	9.698	0.000	196416253	0.0262			
						RPD = 5.17			
13 Dieldrin									
1	100	8.366	8.366	0.000	65278532	0.0261			
2	100	9.835	9.835	0.000	187712839	0.0276			
						RPD = 5.36			
17 Endrin									
1	100	8.824	8.824	0.000	62466971	0.0276			
2	100	10.357	10.357	0.000	179973421	0.0284			
						RPD = 3.15			
1 4,4'-DDD									
1	100	9.185	9.185	0.000	49690711	0.0271			
2	100	10.728	10.728	0.000	312345668	0.0289			
						RPD = 6.76			
15 Endosulfan II									
1	100	9.274	9.274	0.000	63258592	0.0268			
2	100	10.728	10.728	0.000	312345668	0.0285			
						RPD = 6.30			
3 4,4'-DDT									
1	100	9.708	9.708	0.000	49569536	0.0249			
2	100	11.215	11.215	0.000	123686883	0.0251			
						RPD = 0.96			
18 Endrin aldehyde									
1	100	10.068	10.068	0.000	48349967	0.0269			
2	100	11.302	11.302	0.000	132736697	0.0281			
						RPD = 4.32			
27 Methoxychlor									
1	100	10.659	10.659	0.000	24085603	0.0258			
2	100	12.292	12.292	0.000	62789404	0.0252			
						RPD = 2.04			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.791	10.791	0.000	56910242	0.0262			
2	100	11.736	11.736	0.000	153773619	0.0272			
						RPD = 3.50			
19 Endrin ketone									
1	100	11.192	11.192	0.000	60230323	0.0268			
2	100	12.473	12.473	0.000	152866328	0.0265			
						RPD = 1.26			
$ 10 DCB Decachlorobiphenyl									
1	100	12.803	12.803	0.000	60095279	0.0252			
2	100	14.251	14.251	0.000	149695759	0.0261			
						RPD = 3.67			

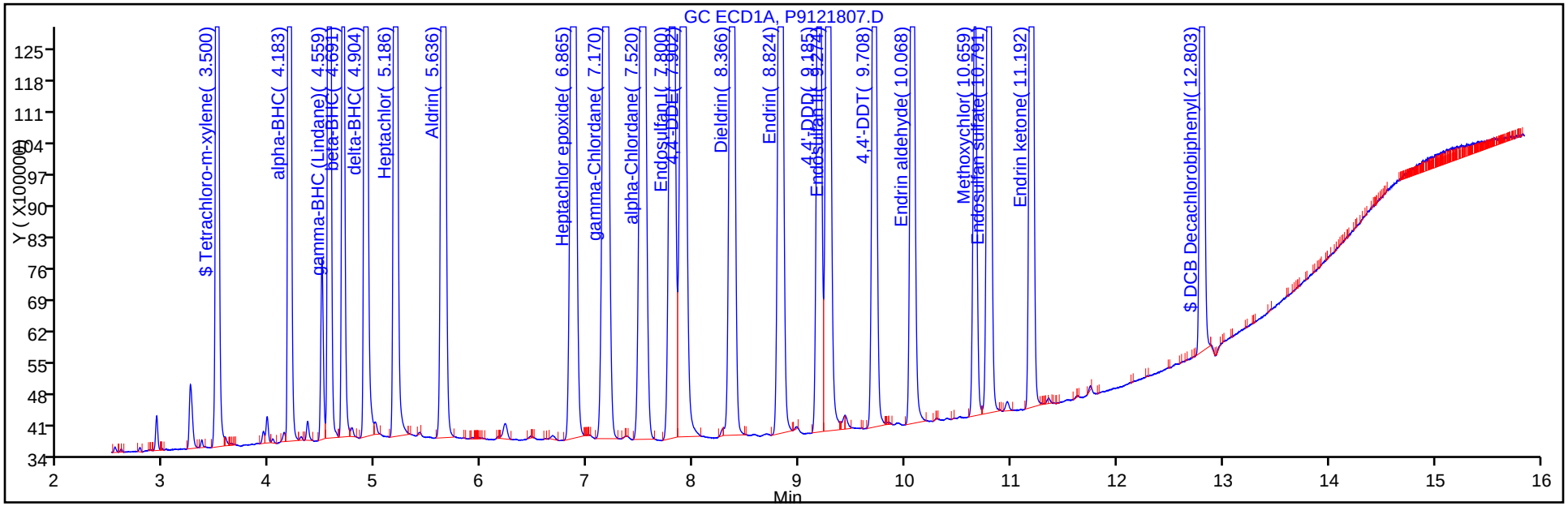
Report Date: 19-Dec-2012 12:50:05 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

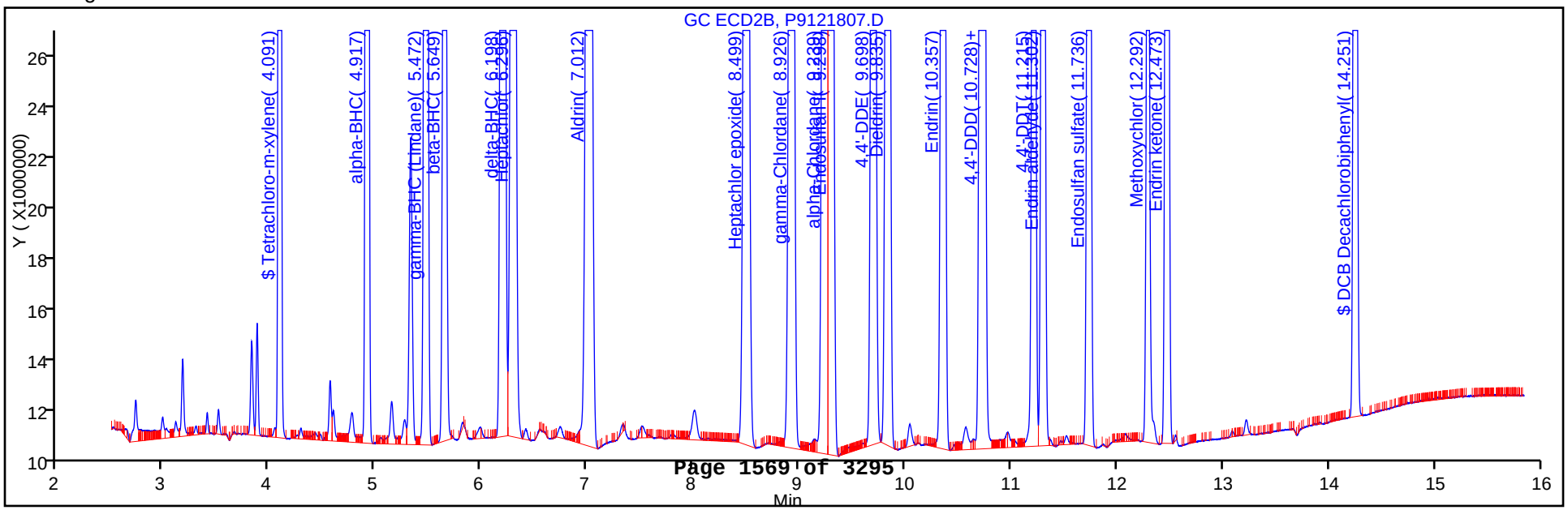
Data File: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\P9121807.D

Injection Date:	18-Dec-2012 11:23:16	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69152	Lims Sample ID:	7
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-69152/7 Calibration Date: 12/18/2012 11:23

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 10:48

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/06/2012 13:08

Lab File ID: P9121807.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	10799529128	10872285880		0.0252	0.0250	0.7	20.0
gamma-BHC (Lindane)	Ave	8974140307	9528325680		0.0265	0.0250	6.2	20.0
beta-BHC	Ave	3772427859	4078865760		0.0270	0.0250	8.1	20.0
delta-BHC	Ave	9427568690	9947517400		0.0264	0.0250	5.5	20.0
Heptachlor	Ave	7957007710	8793323480		0.0276	0.0250	10.5	20.0
Aldrin	Ave	8850366058	9121833000		0.0258	0.0250	3.1	20.0
Heptachlor epoxide	Ave	7294024537	8039416240		0.0276	0.0250	10.2	20.0
gamma-Chlordane	Ave	7469037572	8099366240		0.0271	0.0250	8.4	20.0
alpha-Chlordane	Ave	7560544032	8142936520		0.0269	0.0250	7.7	20.0
Endosulfan I	Ave	6193816738	6969594760		0.0281	0.0250	12.5	20.0
4,4'-DDE	Ave	7499608111	7856650120		0.0262	0.0250	4.8	20.0
Dieldrin	Ave	6807572539	7508513560		0.0276	0.0250	10.3	20.0
Endrin	Ave	6326640752	7198936840		0.0284	0.0250	13.8	20.0
4,4'-DDD	Ave	10789989010	12493826720		0.0289	0.0250	15.8	20.0
Endosulfan II	Ave	10941323443	12493826720		0.0285	0.0250	14.2	20.0
4,4'-DDT	Ave	4929043014	4947475320		0.0251	0.0250	0.4	20.0
Endrin aldehyde	Ave	4731747302	5309467880		0.0281	0.0250	12.2	20.0
Endosulfan sulfate	Ave	5662882600	6150944760		0.0272	0.0250	8.6	20.0
Methoxychlor	Ave	2488628073	2511576160		0.0252	0.0250	0.9	20.0
Endrin ketone	Ave	5768215223	6114653120		0.0265	0.0250	6.0	20.0
Tetrachloro-m-xylene	Ave	7727951763	8405050480		0.0272	0.0250	8.8	20.0
DCB Decachlorobiphenyl	Ave	5736711069	5987830360		0.0261	0.0250	4.4	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-69152/7 Calibration Date: 12/18/2012 11:23

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 10:48

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/06/2012 13:08

Lab File ID: P9121807.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.92	4.89	4.95
gamma-BHC (Lindane)	5.47	5.44	5.50
beta-BHC	5.65	5.62	5.68
delta-BHC	6.20	6.17	6.23
Heptachlor	6.30	6.26	6.33
Aldrin	7.01	6.98	7.04
Heptachlor epoxide	8.50	8.47	8.53
gamma-Chlordane	8.93	8.90	8.96
alpha-Chlordane	9.24	9.21	9.27
Endosulfan I	9.30	9.27	9.33
4,4'-DDE	9.70	9.67	9.73
Dieldrin	9.84	9.81	9.87
Endrin	10.36	10.33	10.39
4,4'-DDD	10.73	10.70	10.76
Endosulfan II	10.73	10.70	10.76
4,4'-DDT	11.22	11.19	11.25
Endrin aldehyde	11.30	11.27	11.33
Endosulfan sulfate	11.74	11.71	11.77
Methoxychlor	12.29	12.26	12.32
Endrin ketone	12.47	12.44	12.50
Tetrachloro-m-xylene	4.09	4.06	4.12
DCB Decachlorobiphenyl	14.25	14.22	14.28

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\P9121807.D
Lims ID: CCV AB 3 Client ID:
Inject. Date: 18-Dec-2012 11:23:16 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 240-0015955-007
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 7
Lims Batch ID: 69152 Lims Sample ID: 7
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\PEST9.m
Last Update: 19-Dec-2012 12:50:05 Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK024

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.500	3.500	0.000	67137463	0.0259			
2	100	4.091	4.091	0.000	210126262	0.0272			
						RPD = 4.85			
5 alpha-BHC									
1	100	4.183	4.183	0.000	82897467	0.0242			
2	100	4.917	4.917	0.000	271807147	0.0252			
						RPD = 3.80			
20 gamma-BHC (Lindane)									
1	100	4.559	4.559	0.000	73298222	0.0252			
2	100	5.472	5.472	0.000	238208142	0.0265			
						RPD = 5.37			
7 beta-BHC									
1	100	4.691	4.691	0.000	31444389	0.0252			
2	100	5.649	5.649	0.000	101971644	0.0270			
						RPD = 7.20			
11 delta-BHC									
1	100	4.904	4.904	0.000	76474876	0.0250			
2	100	6.198	6.198	0.000	248687935	0.0264			
						RPD = 5.46			
22 Heptachlor									
1	100	5.186	5.186	0.000	70621078	0.0266			
2	100	6.296	6.296	0.000	219833087	0.0276			
						RPD = 3.79			
4 Aldrin									
1	100	5.636	5.636	0.000	76824829	0.0241			
2	100	7.012	7.012	0.000	228045825	0.0258			
						RPD = 6.75			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.865	6.865	0.000	67057173	0.0260			
2	100	8.499	8.499	0.000	200985406	0.0276			
						RPD = 5.88			
21 gamma-Chlordane									
1	100	7.170	7.170	0.000	71207430	0.0253			
2	100	8.926	8.926	0.000	202484156	0.0271			
						RPD = 6.76			
6 alpha-Chlordane									
1	100	7.520	7.520	0.000	72661185	0.0249			
2	100	9.239	9.239	0.000	203573413	0.0269			
						RPD = 7.70			
14 Endosulfan I									
1	100	7.800	7.800	0.000	64261080	0.0264			
2	100	9.298	9.298	0.000	174239869	0.0281			
						RPD = 6.19			
2 4,4'-DDE									
1	100	7.902	7.902	0.000	74230091	0.0249			
2	100	9.698	9.698	0.000	196416253	0.0262			
						RPD = 5.17			
13 Dieldrin									
1	100	8.366	8.366	0.000	65278532	0.0261			
2	100	9.835	9.835	0.000	187712839	0.0276			
						RPD = 5.36			
17 Endrin									
1	100	8.824	8.824	0.000	62466971	0.0276			
2	100	10.357	10.357	0.000	179973421	0.0284			
						RPD = 3.15			
1 4,4'-DDD									
1	100	9.185	9.185	0.000	49690711	0.0271			
2	100	10.728	10.728	0.000	312345668	0.0289			
						RPD = 6.76			
15 Endosulfan II									
1	100	9.274	9.274	0.000	63258592	0.0268			
2	100	10.728	10.728	0.000	312345668	0.0285			
						RPD = 6.30			
3 4,4'-DDT									
1	100	9.708	9.708	0.000	49569536	0.0249			
2	100	11.215	11.215	0.000	123686883	0.0251			
						RPD = 0.96			
18 Endrin aldehyde									
1	100	10.068	10.068	0.000	48349967	0.0269			
2	100	11.302	11.302	0.000	132736697	0.0281			
						RPD = 4.32			
27 Methoxychlor									
1	100	10.659	10.659	0.000	24085603	0.0258			
2	100	12.292	12.292	0.000	62789404	0.0252			
						RPD = 2.04			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.791	10.791	0.000	56910242	0.0262			
2	100	11.736	11.736	0.000	153773619	0.0272			
						RPD = 3.50			
19 Endrin ketone									
1	100	11.192	11.192	0.000	60230323	0.0268			
2	100	12.473	12.473	0.000	152866328	0.0265			
						RPD = 1.26			
$ 10 DCB Decachlorobiphenyl									
1	100	12.803	12.803	0.000	60095279	0.0252			
2	100	14.251	14.251	0.000	149695759	0.0261			
						RPD = 3.67			

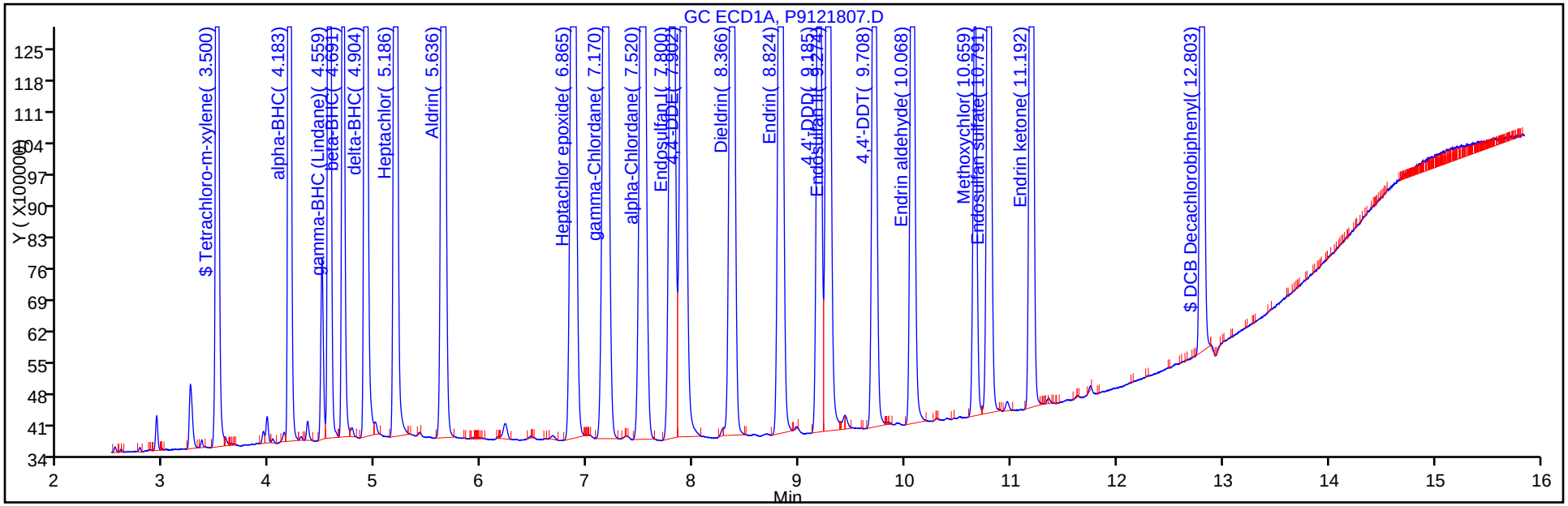
Report Date: 19-Dec-2012 12:50:05 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

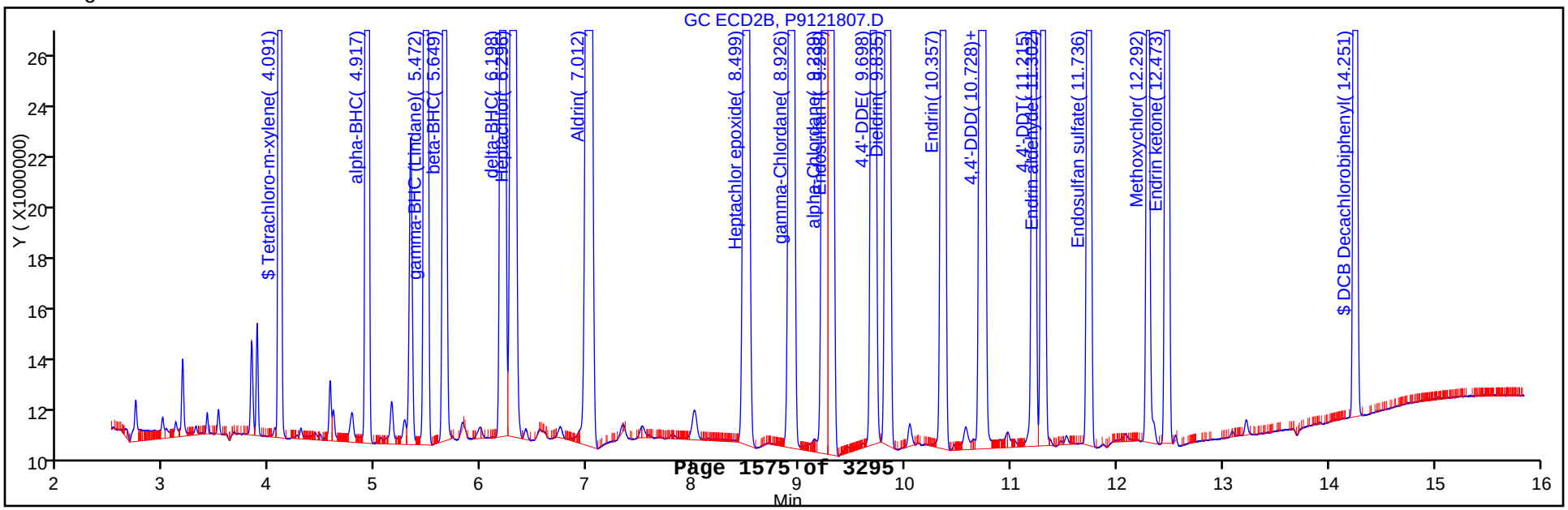
Data File: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\P9121807.D

Injection Date:	18-Dec-2012 11:23:16	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69152	Lims Sample ID:	7
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-69152/19 Calibration Date: 12/18/2012 16:55

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 13:58

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/06/2012 15:48

Lab File ID: P9121819.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	68992790	66383224		0.962	1.00	-3.8	20.0
Toxaphene Peak 2	Ave	85469637	83014437		0.971	1.00	-2.9	20.0
Toxaphene Peak 3	Ave	73765512	71402933		0.968	1.00	-3.2	20.0
Toxaphene Peak 4	Ave	98743767	92902922		0.941	1.00	-5.9	20.0
Toxaphene Peak 5	Ave	63625849	57612800		0.905	1.00	-9.5	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-69152/19 Calibration Date: 12/18/2012 16:55

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 13:58

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/06/2012 15:48

Lab File ID: P9121819.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	9.50	9.47	9.53
Toxaphene Peak 2	9.95	9.92	9.98
Toxaphene Peak 3	10.02	9.99	10.05
Toxaphene Peak 4	10.60	10.57	10.63
Toxaphene Peak 5	11.17	11.14	11.20

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\P9121819.D
Lims ID: CCV TOX3 Client ID:
Inject. Date: 18-Dec-2012 16:55:06 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0015955-019
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 19
Lims Batch ID: 69152 Lims Sample ID: 19
Sublist: chrom-PEST9*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\PEST9.m
Last Update: 19-Dec-2012 12:50:18 Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK024

First Level Reviewer: vandorenc Date: 19-Dec-2012 12:45:33

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.503	9.503	0.000	66383224	0.9622		100.0	
1	2	9.951	9.951	0.000	83014437	0.9713	105.5- 145.5	125.1	
1	3	10.019	10.019	0.000	71402933	0.9680	90.3- 130.3	107.6	
1	4	10.603	10.603	0.000	92902922	0.9408	116.9- 156.9	139.9	
1	5	11.168	11.168	0.000	57612800	0.9055	64.5- 104.5	86.8	
			Average of Peak Amounts =			0.9496			
2	100	10.893	10.893	0.000	250330028	0.9429		100.0	M
2	2	11.440	11.440	0.000	147554859	0.8890	43.7- 83.7	58.9	M
2	3	11.843	11.843	0.000	142604618	0.8316	45.7- 85.7	57.0	M
2	4	12.071	12.071	0.000	211779796	0.8247	80.2- 120.2	84.6	M
2	5	12.458	12.458	0.000	89999323	0.7361	28.1- 68.1	36.0	M
			Average of Peak Amounts =			0.8449			
						RPD = 11.67			

QC Flag Legend

Review Flags
M - Manually Integrated

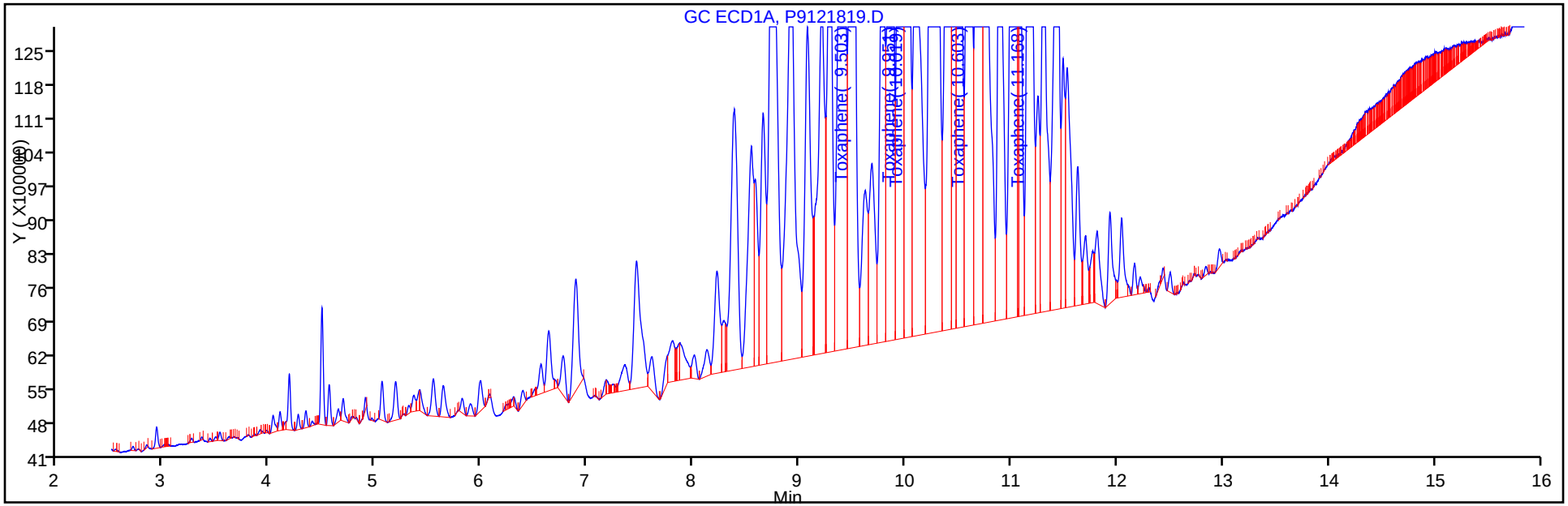
Report Date: 19-Dec-2012 12:50:18 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

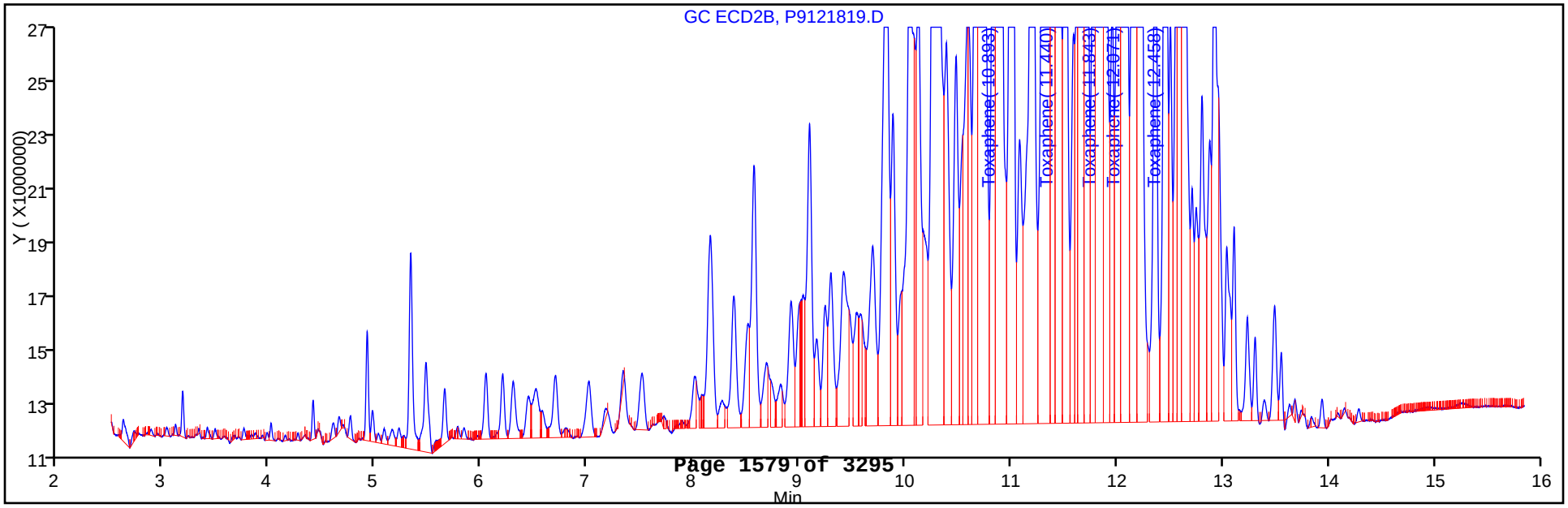
Data File: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\P9121819.D

Injection Date:	18-Dec-2012 16:55:06	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69152	Lims Sample ID:	19
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-69152/19 Calibration Date: 12/18/2012 16:55

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 13:58

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/06/2012 15:48

Lab File ID: P9121819.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	265485355	250330028		0.943	1.00	-5.7	20.0
Toxaphene Peak 2	Ave	165982849	147554859		0.889	1.00	-11.1	20.0
Toxaphene Peak 3	Ave	171487862	142604618		0.832	1.00	-16.8	20.0
Toxaphene Peak 4	Ave	256795996	211779796		0.825	1.00	-17.5	20.0
Toxaphene Peak 5	Ave	122259762	89999323		0.736	1.00	-26.4*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-69152/19 Calibration Date: 12/18/2012 16:55

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 13:58

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/06/2012 15:48

Lab File ID: P9121819.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.89	10.86	10.92
Toxaphene Peak 2	11.44	11.41	11.47
Toxaphene Peak 3	11.84	11.81	11.87
Toxaphene Peak 4	12.07	12.04	12.10
Toxaphene Peak 5	12.46	12.43	12.49

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\P9121819.D
Lims ID: CCV TOX3 Client ID:
Inject. Date: 18-Dec-2012 16:55:06 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0015955-019
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 19
Lims Batch ID: 69152 Lims Sample ID: 19
Sublist: chrom-PEST9*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\PEST9.m
Last Update: 19-Dec-2012 12:50:18 Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK024

First Level Reviewer: vandorenc Date: 19-Dec-2012 12:45:33

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.503	9.503	0.000	66383224	0.9622		100.0	
1	2	9.951	9.951	0.000	83014437	0.9713	105.5- 145.5	125.1	
1	3	10.019	10.019	0.000	71402933	0.9680	90.3- 130.3	107.6	
1	4	10.603	10.603	0.000	92902922	0.9408	116.9- 156.9	139.9	
1	5	11.168	11.168	0.000	57612800	0.9055	64.5- 104.5	86.8	
			Average of Peak Amounts =			0.9496			
2	100	10.893	10.893	0.000	250330028	0.9429		100.0	M
2	2	11.440	11.440	0.000	147554859	0.8890	43.7- 83.7	58.9	M
2	3	11.843	11.843	0.000	142604618	0.8316	45.7- 85.7	57.0	M
2	4	12.071	12.071	0.000	211779796	0.8247	80.2- 120.2	84.6	M
2	5	12.458	12.458	0.000	89999323	0.7361	28.1- 68.1	36.0	M
			Average of Peak Amounts =			0.8449			
						RPD = 11.67			

QC Flag Legend

Review Flags
M - Manually Integrated

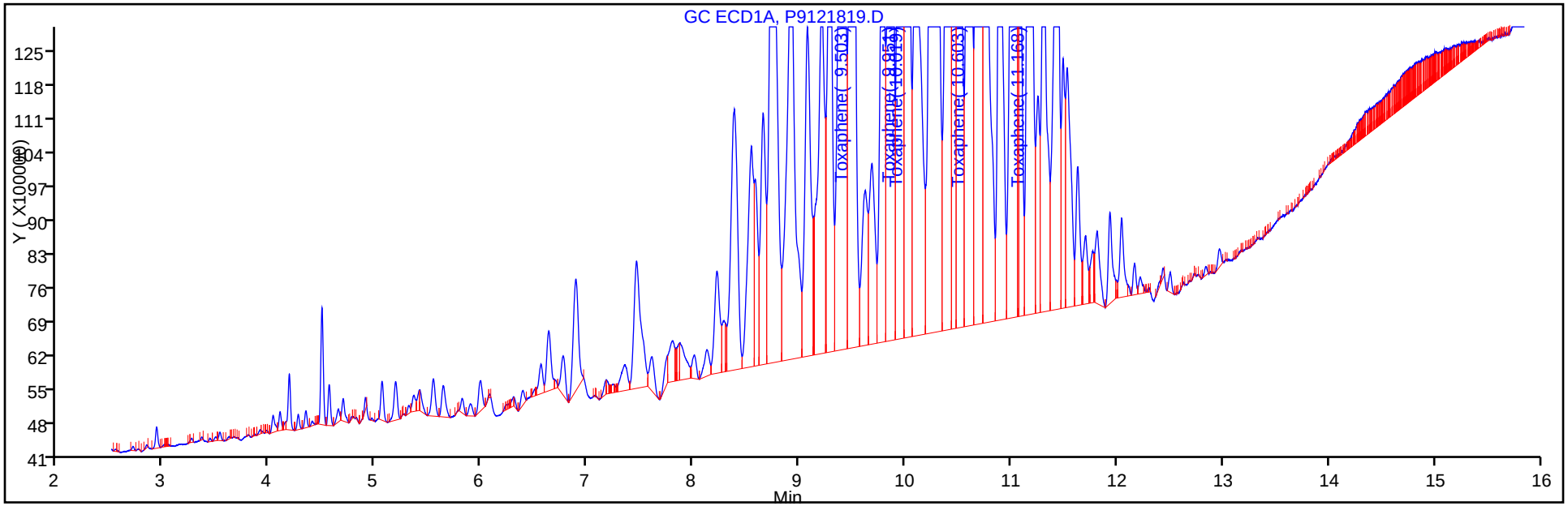
Report Date: 19-Dec-2012 12:50:19 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

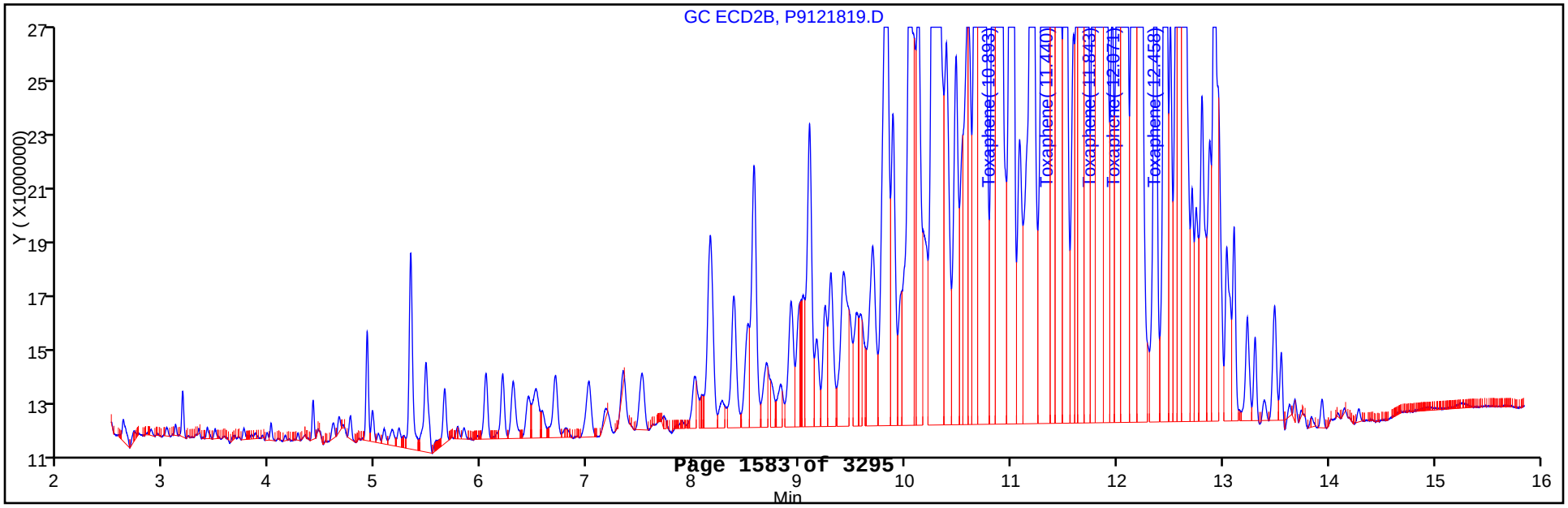
Data File: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\P9121819.D

Injection Date:	18-Dec-2012 16:55:06	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69152	Lims Sample ID:	19
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



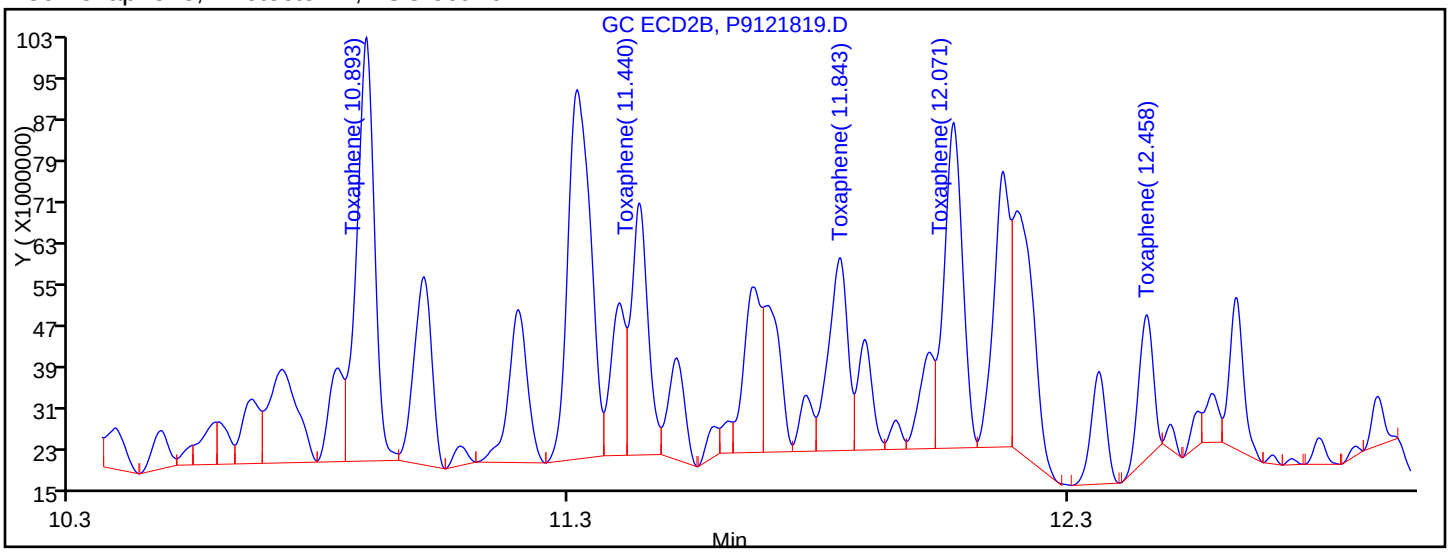
Report Date: 19-Dec-2012 12:50:19 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\P9121819.D

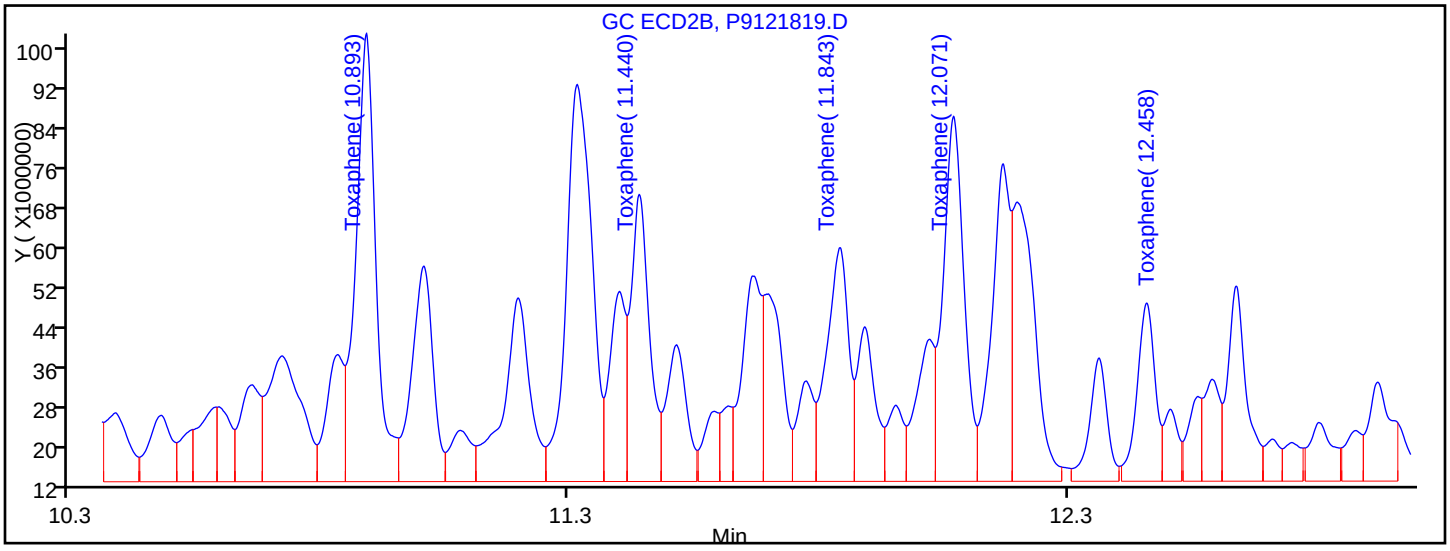
Injection Date:	18-Dec-2012 16:55:06	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69152	Lims Sample ID:	19
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 2, GC ecd2b



Processing Integration Results

RT = 10.893	Response = 203301747	M
RT = 11.440	Response = 112776281	M
RT = 11.843	Response = 99919992	M
RT = 12.071	Response = 162369978	M
RT = 12.458	Response = 56638962	M



Manual Integration Results

RT = 10.893	Response = 250330028	M
RT = 11.440	Response = 147554859	M
RT = 11.843	Response = 142604618	M
RT = 12.071	Response = 211779796	M
RT = 12.458	Response = 89999323	M

Reviewer: vandorenc, 19-Dec-2012 12:45:33

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-69152/21 Calibration Date: 12/18/2012 17:49

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 10:48

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/06/2012 13:08

Lab File ID: P9121821.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	3421434316	3380923680		0.0247	0.0250	-1.2	20.0
gamma-BHC (Lindane)	Ave	2913769986	2931254760		0.0252	0.0250	0.6	20.0
beta-BHC	Ave	1250224244	1261313400		0.0252	0.0250	0.9	20.0
delta-BHC	Ave	3061752536	3097207640		0.0253	0.0250	1.2	20.0
Heptachlor	Ave	2655006807	2852007240		0.0269	0.0250	7.4	20.0
Aldrin	Ave	3189768763	3144341280		0.0246	0.0250	-1.4	20.0
Heptachlor epoxide	Ave	2580951581	2661041800		0.0258	0.0250	3.1	20.0
gamma-Chlordane	Ave	2810352112	2808277240		0.0250	0.0250	-0.0	20.0
alpha-Chlordane	Ave	2914578305	2879871000		0.0247	0.0250	-1.2	20.0
Endosulfan I	Ave	2430184025	2530428280		0.0260	0.0250	4.1	20.0
4,4'-DDE	Ave	2984641558	2976072000		0.0249	0.0250	-0.3	20.0
Dieldrin	Ave	2497683571	2567929080		0.0257	0.0250	2.8	20.0
Endrin	Ave	2266106237	2422298840		0.0267	0.0250	6.9	20.0
4,4'-DDD	Ave	1836592891	1938148800		0.0264	0.0250	5.5	20.0
Endosulfan II	Ave	2359969486	2420381000		0.0256	0.0250	2.6	20.0
4,4'-DDT	Ave	1994537456	1942544280		0.0243	0.0250	-2.6	20.0
Endrin aldehyde	Ave	1799719498	1874105320		0.0260	0.0250	4.1	20.0
Methoxychlor	Ave	935306693	930168520		0.0249	0.0250	-0.5	20.0
Endosulfan sulfate	Ave	2170510402	2191372680		0.0252	0.0250	1.0	20.0
Endrin ketone	Ave	2244151853	2293484760		0.0255	0.0250	2.2	20.0
Tetrachloro-m-xylene	Ave	2591877195	2778422920		0.0268	0.0250	7.2	20.0
DCB Decachlorobiphenyl	Ave	2389162404	2285085120		0.0239	0.0250	-4.4	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-69152/21 Calibration Date: 12/18/2012 17:49

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 10:48

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/06/2012 13:08

Lab File ID: P9121821.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.18	4.15	4.21
gamma-BHC (Lindane)	4.56	4.53	4.59
beta-BHC	4.69	4.66	4.72
delta-BHC	4.91	4.88	4.94
Heptachlor	5.19	5.15	5.22
Aldrin	5.64	5.61	5.67
Heptachlor epoxide	6.87	6.84	6.90
gamma-Chlordane	7.17	7.14	7.20
alpha-Chlordane	7.52	7.49	7.55
Endosulfan I	7.80	7.77	7.83
4,4'-DDE	7.90	7.87	7.93
Dieldrin	8.37	8.34	8.40
Endrin	8.83	8.80	8.86
4,4'-DDD	9.19	9.16	9.22
Endosulfan II	9.28	9.25	9.31
4,4'-DDT	9.71	9.68	9.74
Endrin aldehyde	10.07	10.04	10.10
Methoxychlor	10.66	10.63	10.69
Endosulfan sulfate	10.79	10.76	10.82
Endrin ketone	11.19	11.16	11.22
Tetrachloro-m-xylene	3.50	3.47	3.53
DCB Decachlorobiphenyl	12.81	12.78	12.84

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\P9121821.D
Lims ID: CCV AB3 Client ID:
Inject. Date: 18-Dec-2012 17:49:53 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0015955-021
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 21
Lims Batch ID: 69152 Lims Sample ID: 21
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\PEST9.m
Last Update: 19-Dec-2012 12:50:20 Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK024

First Level Reviewer: vandorenc Date: 19-Dec-2012 12:46:55

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.501	3.501	0.000	69460573	0.0268			
2	100	4.091	4.091	0.000	206080933	0.0267			
						RPD = 0.50			
5 alpha-BHC									
1	100	4.184	4.184	0.000	84523092	0.0247			
2	100	4.917	4.917	0.000	260269910	0.0241			
						RPD = 2.47			
20 gamma-BHC (Lindane)									
1	100	4.560	4.560	0.000	73281369	0.0252			
2	100	5.473	5.473	0.000	222388705	0.0248			
						RPD = 1.48			
7 beta-BHC									
1	100	4.691	4.691	0.000	31532835	0.0252			
2	100	5.649	5.649	0.000	96319412	0.0255			
						RPD = 1.22			
11 delta-BHC									
1	100	4.905	4.905	0.000	77430191	0.0253			
2	100	6.199	6.199	0.000	237678612	0.0252			
						RPD = 0.31			
22 Heptachlor									
1	100	5.186	5.186	0.000	71300181	0.0269			
2	100	6.298	6.298	0.000	207839487	0.0261			
						RPD = 2.77			
4 Aldrin									
1	100	5.636	5.636	0.000	78608532	0.0246			
2	100	7.013	7.013	0.000	219644967	0.0248			
						RPD = 0.70			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.866	6.866	0.000	66526045	0.0258			
2	100	8.500	8.500	0.000	187254144	0.0257			
						RPD = 0.40			
21 gamma-Chlordane									
1	100	7.171	7.171	0.000	70206931	0.0250			
2	100	8.927	8.927	0.000	187442778	0.0251			
						RPD = 0.46			
6 alpha-Chlordane									
1	100	7.521	7.521	0.000	71996775	0.0247			
2	100	9.240	9.240	0.000	190630666	0.0252			
						RPD = 2.05			
14 Endosulfan I									
1	100	7.800	7.800	0.000	63260707	0.0260			
2	100	9.301	9.301	0.000	160569612	0.0259			
						RPD = 0.41			
2 4,4'-DDE									
1	100	7.903	7.903	0.000	74401800	0.0249			
2	100	9.700	9.700	0.000	187343566	0.0250			
						RPD = 0.21			
13 Dieldrin									
1	100	8.366	8.366	0.000	64198227	0.0257			
2	100	9.836	9.836	0.000	173004856	0.0254			
						RPD = 1.13			
17 Endrin									
1	100	8.825	8.825	0.000	60557471	0.0267			
2	100	10.357	10.357	0.000	163871249	0.0259			
						RPD = 3.12			
1 4,4'-DDD									M
1	100	9.188	9.188	0.000	48453720	0.0264			
2	100	10.728	10.728	0.000	277631467	0.0257			M
						RPD = 2.50			
15 Endosulfan II									M
1	100	9.275	9.275	0.000	60509525	0.0256			
2	100	10.728	10.728	0.000	277631467	0.0254			M
						RPD = 1.04			
3 4,4'-DDT									
1	100	9.709	9.709	0.000	48563607	0.0243			
2	100	11.215	11.215	0.000	110099968	0.0223			
						RPD = 8.62			
18 Endrin aldehyde									
1	100	10.071	10.071	0.000	46852633	0.0260			
2	100	11.302	11.302	0.000	118352363	0.0250			
						RPD = 4.00			
27 Methoxychlor									
1	100	10.660	10.660	0.000	23254213	0.0249			
2	100	12.293	12.293	0.000	56340887	0.0226			
						RPD = 9.36			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.793	10.793	0.000	54784317	0.0252			
2	100	11.736	11.736	0.000	137634605	0.0243			
						RPD = 3.78			
19 Endrin ketone									
1	100	11.193	11.193	0.000	57337119	0.0255			
2	100	12.473	12.473	0.000	134874318	0.0234			
						RPD = 8.86			
$ 10 DCB Decachlorobiphenyl									
1	100	12.805	12.805	0.000	57127128	0.0239			
2	100	14.252	14.252	0.000	130722378	0.0228			
						RPD = 4.81			

QC Flag Legend

Review Flags
M - Manually Integrated

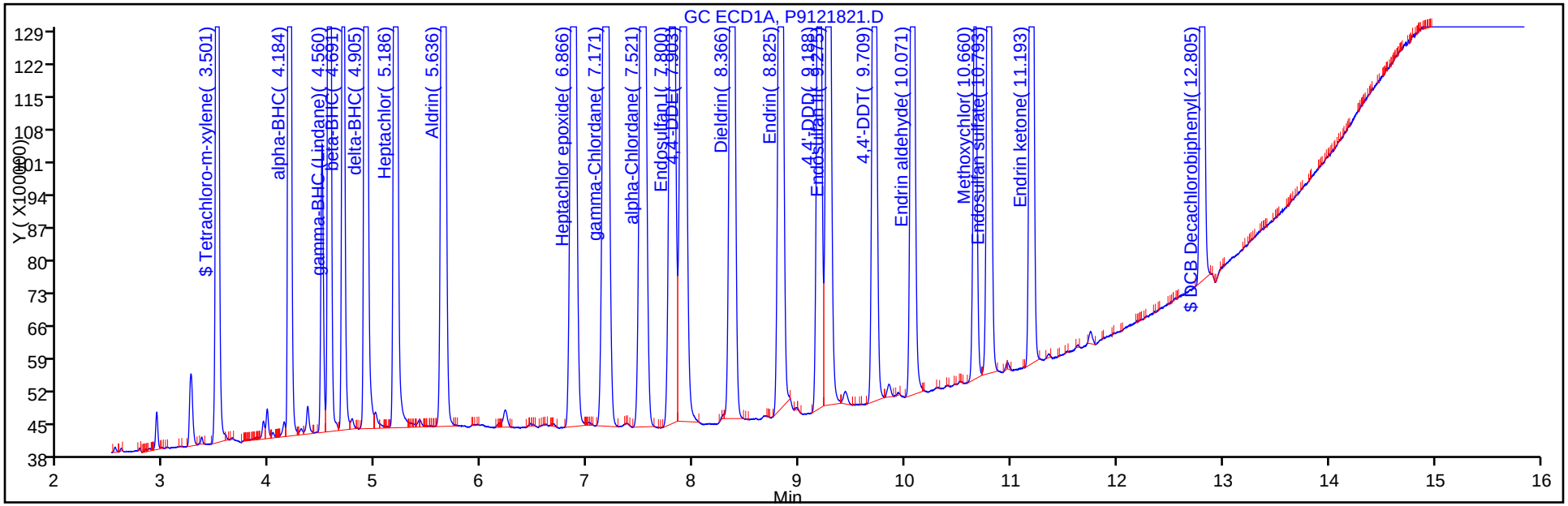
Report Date: 19-Dec-2012 12:50:21 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

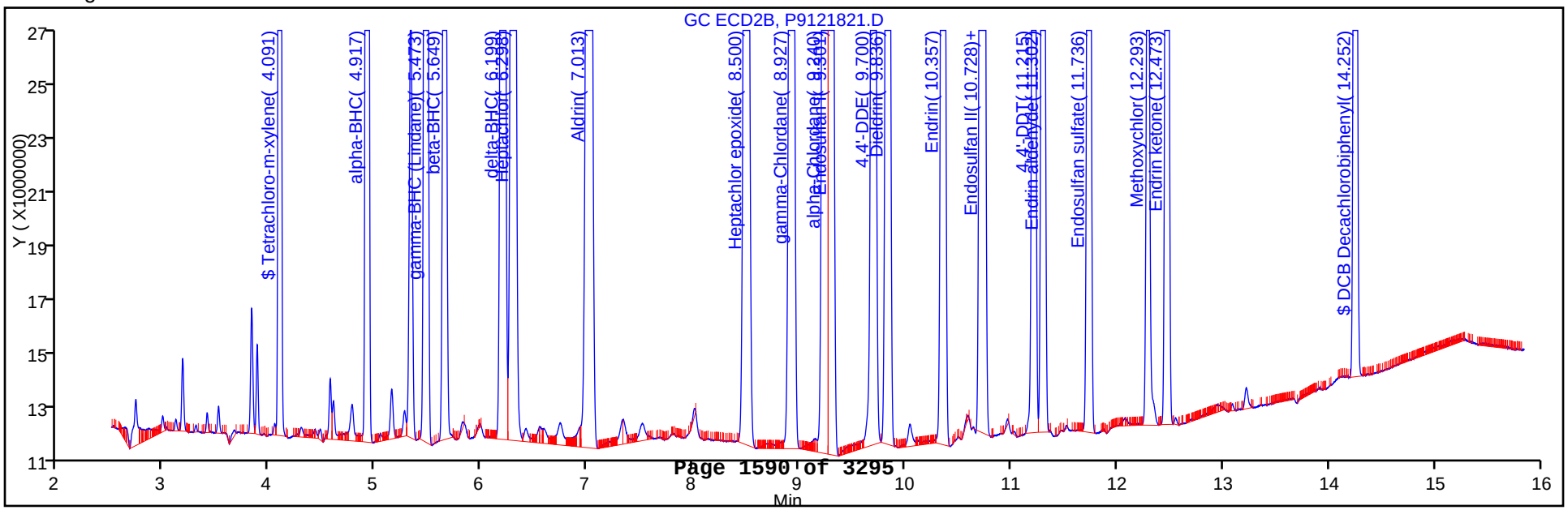
Data File: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\P9121821.D

Injection Date:	18-Dec-2012 17:49:53	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69152	Lims Sample ID:	21
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-69152/21 Calibration Date: 12/18/2012 17:49

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 10:48

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/06/2012 13:08

Lab File ID: P9121821.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	10799529128	10410796400		0.0241	0.0250	-3.6	20.0
gamma-BHC (Lindane)	Ave	8974140307	8895548200		0.0248	0.0250	-0.9	20.0
beta-BHC	Ave	3772427859	3852776480		0.0255	0.0250	2.1	20.0
delta-BHC	Ave	9427568690	9507144480		0.0252	0.0250	0.8	20.0
Heptachlor	Ave	7957007710	8313579480		0.0261	0.0250	4.5	20.0
Aldrin	Ave	8850366058	8785798680		0.0248	0.0250	-0.7	20.0
Heptachlor epoxide	Ave	7294024537	7490165760		0.0257	0.0250	2.7	20.0
gamma-Chlordane	Ave	7469037572	7497711120		0.0251	0.0250	0.4	20.0
alpha-Chlordane	Ave	7560544032	7625226640		0.0252	0.0250	0.9	20.0
Endosulfan I	Ave	6193816738	6422784480		0.0259	0.0250	3.7	20.0
4,4'-DDE	Ave	7499608111	7493742640		0.0250	0.0250	-0.0	20.0
Dieldrin	Ave	6807572539	6920194240		0.0254	0.0250	1.7	20.0
Endrin	Ave	6326640752	6554849960		0.0259	0.0250	3.6	20.0
4,4'-DDD	Ave	10789989010	11105258680		0.0257	0.0250	2.9	20.0
Endosulfan II	Ave	10941323443	11105258680		0.0254	0.0250	1.5	20.0
4,4'-DDT	Ave	4929043014	4403998720		0.0223	0.0250	-10.7	20.0
Endrin aldehyde	Ave	4731747302	4734094520		0.0250	0.0250	0.0	20.0
Endosulfan sulfate	Ave	5662882600	5505384200		0.0243	0.0250	-2.8	20.0
Methoxychlor	Ave	2488628073	2253635480		0.0226	0.0250	-9.4	20.0
Endrin ketone	Ave	5768215223	5394972720		0.0234	0.0250	-6.5	20.0
Tetrachloro-m-xylene	Ave	7727951763	8243237320		0.0267	0.0250	6.7	20.0
DCB Decachlorobiphenyl	Ave	5736711069	5228895120		0.0228	0.0250	-8.9	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-69152/21 Calibration Date: 12/18/2012 17:49

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 10:48

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/06/2012 13:08

Lab File ID: P9121821.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.92	4.89	4.95
gamma-BHC (Lindane)	5.47	5.44	5.50
beta-BHC	5.65	5.62	5.68
delta-BHC	6.20	6.17	6.23
Heptachlor	6.30	6.26	6.33
Aldrin	7.01	6.98	7.04
Heptachlor epoxide	8.50	8.47	8.53
gamma-Chlordane	8.93	8.90	8.96
alpha-Chlordane	9.24	9.21	9.27
Endosulfan I	9.30	9.27	9.33
4,4'-DDE	9.70	9.67	9.73
Dieldrin	9.84	9.81	9.87
Endrin	10.36	10.33	10.39
4,4'-DDD	10.73	10.70	10.76
Endosulfan II	10.73	10.70	10.76
4,4'-DDT	11.22	11.19	11.25
Endrin aldehyde	11.30	11.27	11.33
Endosulfan sulfate	11.74	11.71	11.77
Methoxychlor	12.29	12.26	12.32
Endrin ketone	12.47	12.44	12.50
Tetrachloro-m-xylene	4.09	4.06	4.12
DCB Decachlorobiphenyl	14.25	14.22	14.28

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\P9121821.D
Lims ID: CCV AB3 Client ID:
Inject. Date: 18-Dec-2012 17:49:53 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0015955-021
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 21
Lims Batch ID: 69152 Lims Sample ID: 21
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\PEST9.m
Last Update: 19-Dec-2012 12:50:20 Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK024

First Level Reviewer: vandorenc Date: 19-Dec-2012 12:46:55

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.501	3.501	0.000	69460573	0.0268			
2	100	4.091	4.091	0.000	206080933	0.0267			
						RPD = 0.50			
5 alpha-BHC									
1	100	4.184	4.184	0.000	84523092	0.0247			
2	100	4.917	4.917	0.000	260269910	0.0241			
						RPD = 2.47			
20 gamma-BHC (Lindane)									
1	100	4.560	4.560	0.000	73281369	0.0252			
2	100	5.473	5.473	0.000	222388705	0.0248			
						RPD = 1.48			
7 beta-BHC									
1	100	4.691	4.691	0.000	31532835	0.0252			
2	100	5.649	5.649	0.000	96319412	0.0255			
						RPD = 1.22			
11 delta-BHC									
1	100	4.905	4.905	0.000	77430191	0.0253			
2	100	6.199	6.199	0.000	237678612	0.0252			
						RPD = 0.31			
22 Heptachlor									
1	100	5.186	5.186	0.000	71300181	0.0269			
2	100	6.298	6.298	0.000	207839487	0.0261			
						RPD = 2.77			
4 Aldrin									
1	100	5.636	5.636	0.000	78608532	0.0246			
2	100	7.013	7.013	0.000	219644967	0.0248			
						RPD = 0.70			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.866	6.866	0.000	66526045	0.0258			
2	100	8.500	8.500	0.000	187254144	0.0257			
						RPD = 0.40			
21 gamma-Chlordane									
1	100	7.171	7.171	0.000	70206931	0.0250			
2	100	8.927	8.927	0.000	187442778	0.0251			
						RPD = 0.46			
6 alpha-Chlordane									
1	100	7.521	7.521	0.000	71996775	0.0247			
2	100	9.240	9.240	0.000	190630666	0.0252			
						RPD = 2.05			
14 Endosulfan I									
1	100	7.800	7.800	0.000	63260707	0.0260			
2	100	9.301	9.301	0.000	160569612	0.0259			
						RPD = 0.41			
2 4,4'-DDE									
1	100	7.903	7.903	0.000	74401800	0.0249			
2	100	9.700	9.700	0.000	187343566	0.0250			
						RPD = 0.21			
13 Dieldrin									
1	100	8.366	8.366	0.000	64198227	0.0257			
2	100	9.836	9.836	0.000	173004856	0.0254			
						RPD = 1.13			
17 Endrin									
1	100	8.825	8.825	0.000	60557471	0.0267			
2	100	10.357	10.357	0.000	163871249	0.0259			
						RPD = 3.12			
1 4,4'-DDD									M
1	100	9.188	9.188	0.000	48453720	0.0264			
2	100	10.728	10.728	0.000	277631467	0.0257			M
						RPD = 2.50			
15 Endosulfan II									M
1	100	9.275	9.275	0.000	60509525	0.0256			
2	100	10.728	10.728	0.000	277631467	0.0254			M
						RPD = 1.04			
3 4,4'-DDT									
1	100	9.709	9.709	0.000	48563607	0.0243			
2	100	11.215	11.215	0.000	110099968	0.0223			
						RPD = 8.62			
18 Endrin aldehyde									
1	100	10.071	10.071	0.000	46852633	0.0260			
2	100	11.302	11.302	0.000	118352363	0.0250			
						RPD = 4.00			
27 Methoxychlor									
1	100	10.660	10.660	0.000	23254213	0.0249			
2	100	12.293	12.293	0.000	56340887	0.0226			
						RPD = 9.36			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.793	10.793	0.000	54784317	0.0252			
2	100	11.736	11.736	0.000	137634605	0.0243			
						RPD = 3.78			
19 Endrin ketone									
1	100	11.193	11.193	0.000	57337119	0.0255			
2	100	12.473	12.473	0.000	134874318	0.0234			
						RPD = 8.86			
$ 10 DCB Decachlorobiphenyl									
1	100	12.805	12.805	0.000	57127128	0.0239			
2	100	14.252	14.252	0.000	130722378	0.0228			
						RPD = 4.81			

QC Flag Legend

Review Flags
M - Manually Integrated

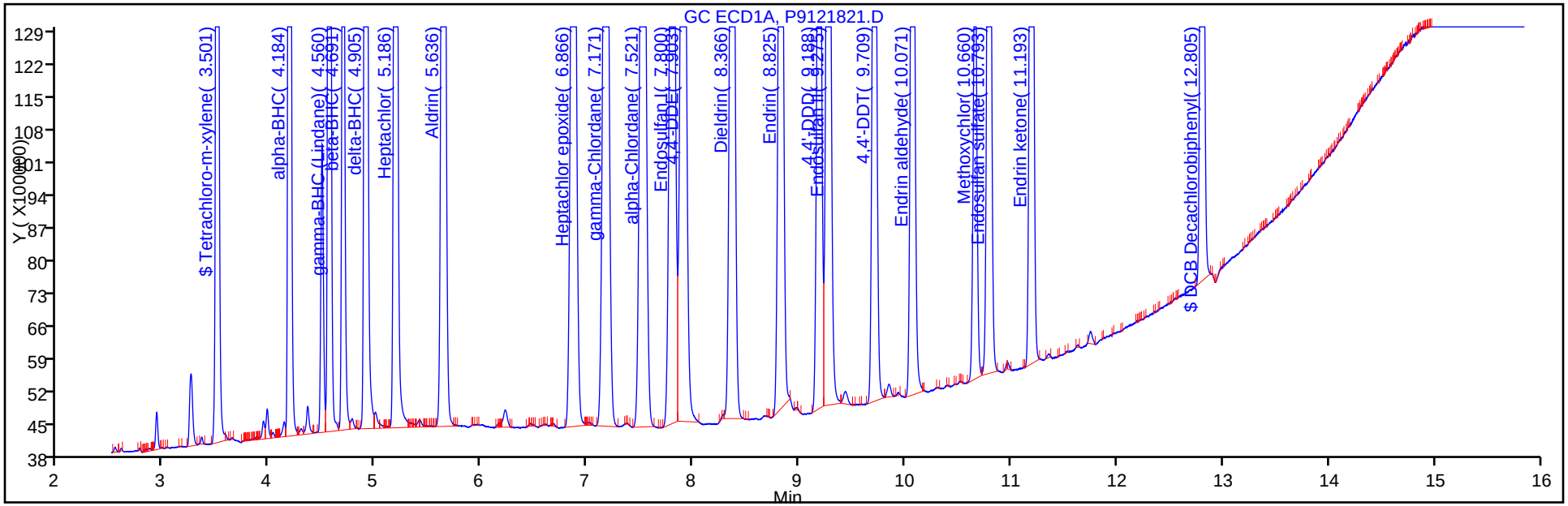
Report Date: 19-Dec-2012 12:50:21 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

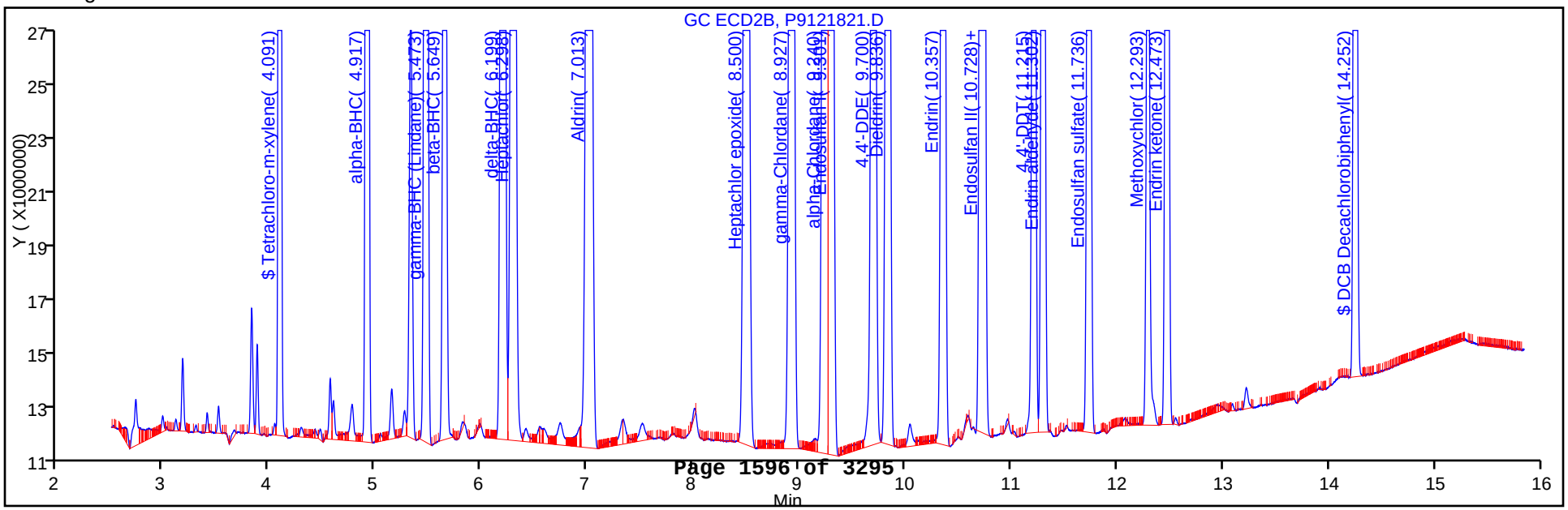
Data File: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\P9121821.D

Injection Date:	18-Dec-2012 17:49:53	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69152	Lims Sample ID:	21
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 19-Dec-2012 12:50:21 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Manual Integration/User Assign Peak Report

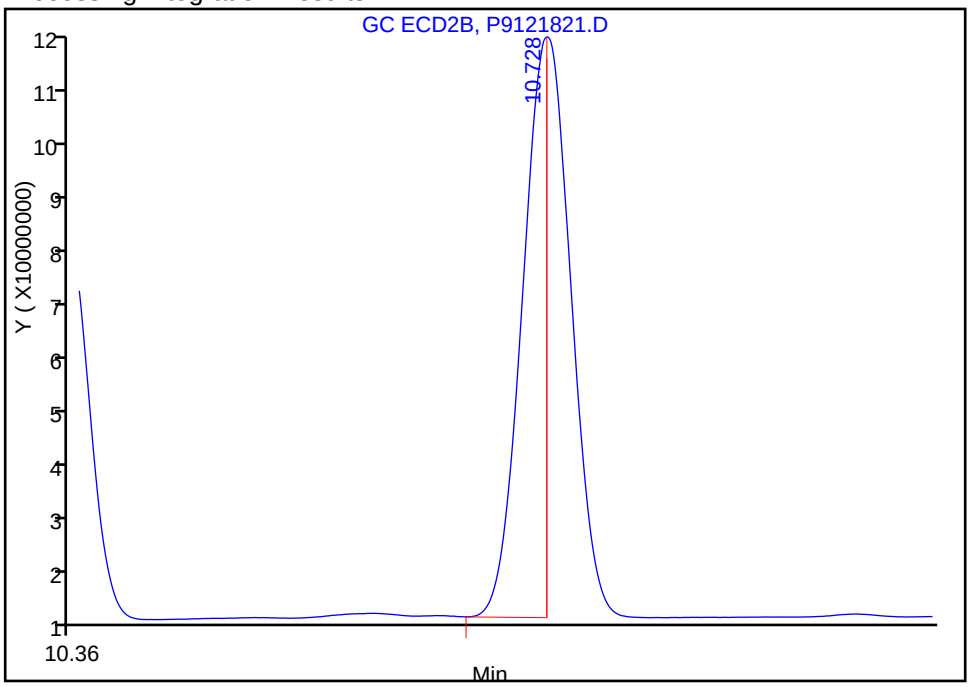
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20121218-15955.b\P9121821.D		
Injection Date:	18-Dec-2012 17:49:53	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69152	Lims Sample ID:	21
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

1 4,4'-DDD, Signal: 2, Type: quant, RT: 10.73, Det: GC ecd2b

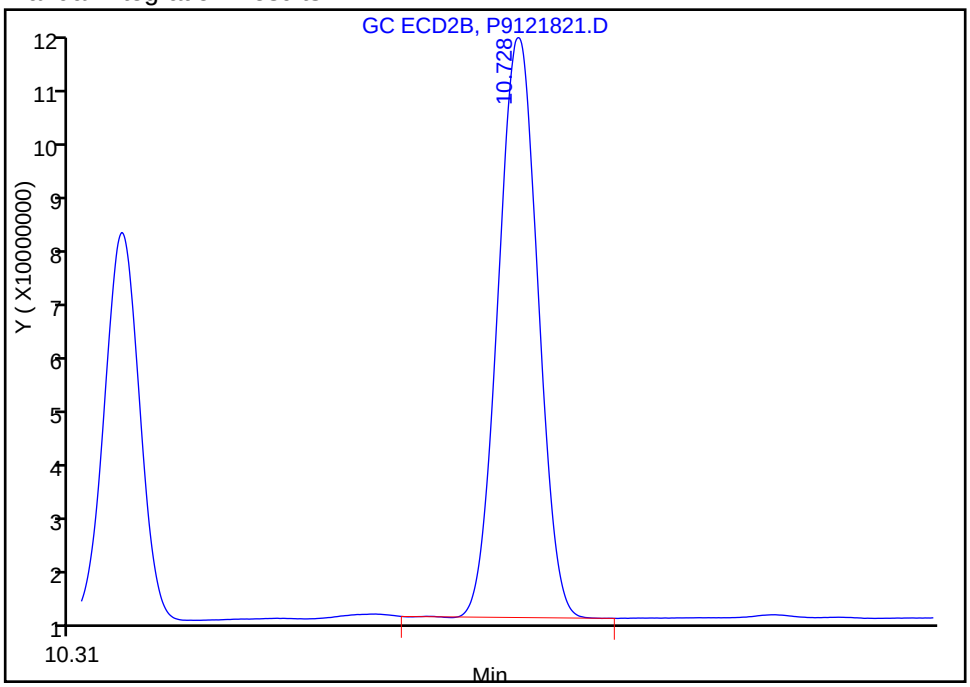
Processing Integration Results

RT: 10.73
Response: 137676116
Amount: 0.012760



Manual Integration Results

RT: 10.73
Response: 277631467
Amount: 0.025730



Reviewer: vandorenc, 19-Dec-2012 12:46:55
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

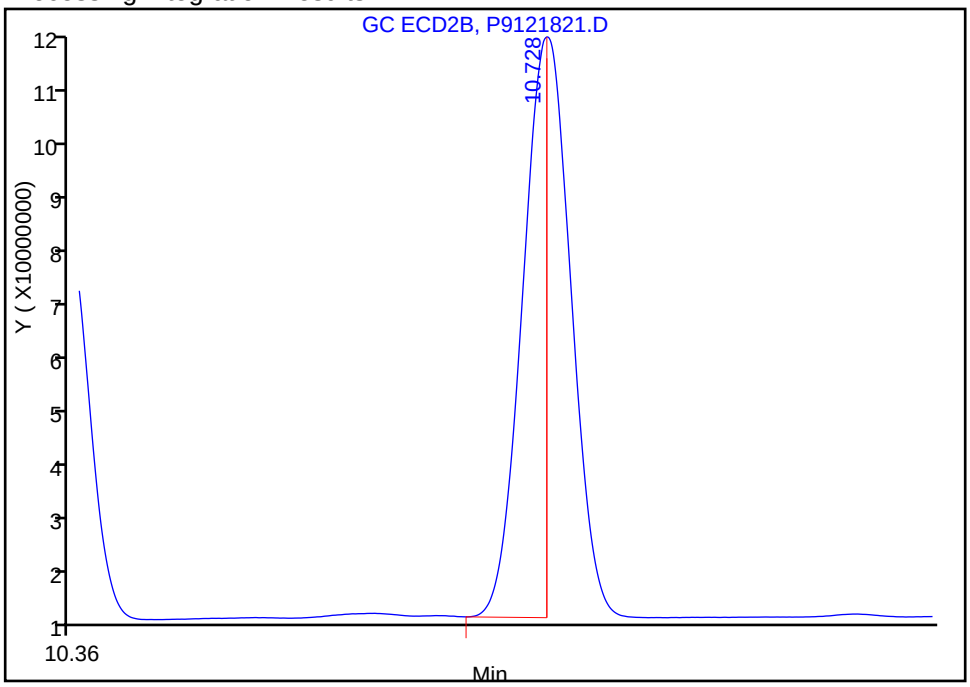
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20121218-15955.b\P9121821.D		
Injection Date:	18-Dec-2012 17:49:53	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69152	Lims Sample ID:	21
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

15 Endosulfan II, Signal: 2, Type: quant, RT: 10.73, Det: GC ecd2b

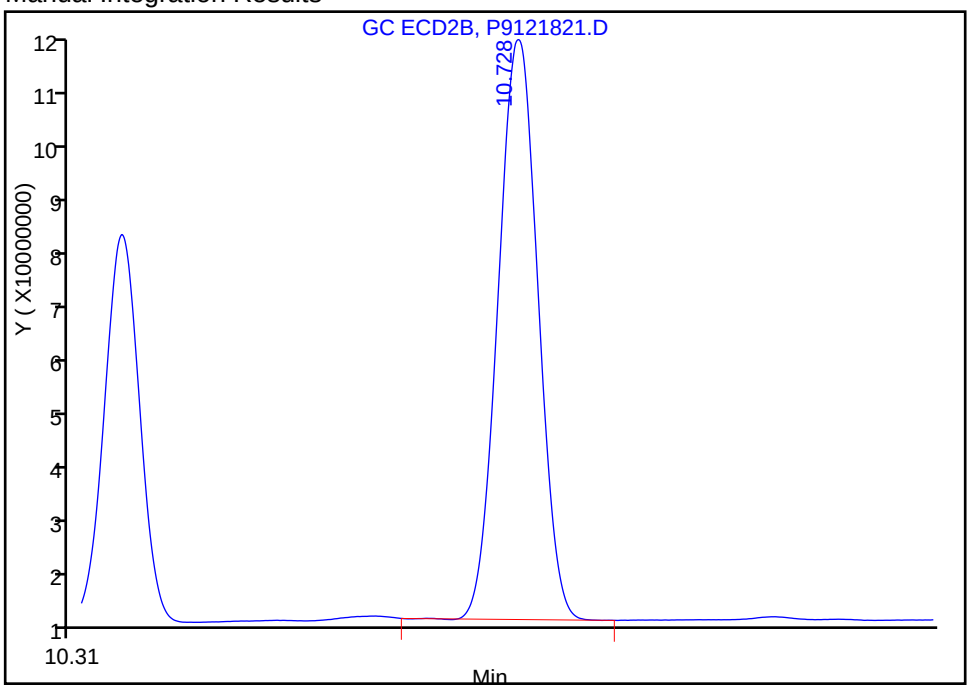
Processing Integration Results

RT: 10.73
Response: 137676116
Amount: 0.012583



Manual Integration Results

RT: 10.73
Response: 277631467
Amount: 0.025375



Reviewer: vandorenc, 19-Dec-2012 12:46:55
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-69893/11 Calibration Date: 12/22/2012 15:37

Instrument ID: A2HP9 Calib Start Date: 12/22/2012 13:11

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/22/2012 15:13

Lab File ID: P9122211.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	3809820948	4039515520		0.0265	0.0250	6.0	20.0
gamma-BHC (Lindane)	Ave	3115561773	3374787160		0.0271	0.0250	8.3	20.0
beta-BHC	Ave	1356797063	1474741280		0.0272	0.0250	8.7	20.0
delta-BHC	Ave	3375911380	3631201880		0.0269	0.0250	7.6	20.0
Heptachlor	Ave	2743824669	3111274160		0.0283	0.0250	13.4	20.0
Aldrin	Ave	3555606031	3769787000		0.0265	0.0250	6.0	20.0
Heptachlor epoxide	Ave	2721274567	2951023680		0.0271	0.0250	8.4	20.0
gamma-Chlordane	Ave	3063197814	3225258800		0.0263	0.0250	5.3	20.0
alpha-Chlordane	Ave	3157953329	3245688040		0.0257	0.0250	2.8	20.0
Endosulfan I	Ave	2558663944	2770143320		0.0271	0.0250	8.3	20.0
4,4'-DDE	Ave	3306510503	3552352560		0.0269	0.0250	7.4	20.0
Dieldrin	Ave	2654935053	2861410320		0.0269	0.0250	7.8	20.0
Endrin	Ave	2443787478	2600647600		0.0266	0.0250	6.4	20.0
4,4'-DDD	Ave	1890252848	2030152280		0.0269	0.0250	7.4	20.0
Endosulfan II	Ave	2526594343	2723076520		0.0269	0.0250	7.8	20.0
4,4'-DDT	Ave	1877093720	2075640560		0.0276	0.0250	10.6	20.0
Endrin aldehyde	Ave	1838690332	1991923280		0.0271	0.0250	8.3	20.0
Methoxychlor	Ave	877879613	973407080		0.0277	0.0250	10.9	20.0
Endosulfan sulfate	Ave	2238400517	2436887280		0.0272	0.0250	8.9	20.0
Endrin ketone	Ave	2341348883	2481018000		0.0265	0.0250	6.0	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-69893/11 Calibration Date: 12/22/2012 15:37

Instrument ID: A2HP9 Calib Start Date: 12/22/2012 13:11

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/22/2012 15:13

Lab File ID: P9122211.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.18	4.15	4.21
gamma-BHC (Lindane)	4.56	4.53	4.59
beta-BHC	4.69	4.66	4.72
delta-BHC	4.90	4.87	4.93
Heptachlor	5.18	5.15	5.22
Aldrin	5.63	5.60	5.66
Heptachlor epoxide	6.86	6.83	6.89
gamma-Chlordane	7.16	7.14	7.20
alpha-Chlordane	7.51	7.49	7.55
Endosulfan I	7.79	7.76	7.82
4,4'-DDE	7.90	7.87	7.93
Dieldrin	8.36	8.33	8.39
Endrin	8.82	8.79	8.85
4,4'-DDD	9.19	9.16	9.22
Endosulfan II	9.27	9.24	9.30
4,4'-DDT	9.71	9.68	9.74
Endrin aldehyde	10.07	10.04	10.10
Methoxychlor	10.66	10.63	10.69
Endosulfan sulfate	10.79	10.76	10.82
Endrin ketone	11.19	11.16	11.22

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122211.D
Lims ID: ICV Client ID:
Inject. Date: 22-Dec-2012 15:37:27 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0016122-011
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 11
Lims Batch ID: 69893 Lims Sample ID: 11
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\PEST9.m
Last Update: 31-Dec-2012 10:57:54 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK027

First Level Reviewer: vandorenc Date: 31-Dec-2012 10:50:01

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 alpha-BHC									
1	100	4.181	4.182	-0.001	100987888	0.0265			
2	100	4.912	4.913	-0.001	341927551	0.0259			
						RPD = 2.13			
20 gamma-BHC (Lindane)									
1	100	4.557	4.557	0.000	84369679	0.0271			
2	100	5.467	5.467	0.000	278526382	0.0267			
						RPD = 1.41			
7 beta-BHC									
1	100	4.688	4.689	-0.001	36868532	0.0272			
2	100	5.643	5.643	0.000	116003689	0.0266			
						RPD = 2.16			
11 delta-BHC									
1	100	4.901	4.902	-0.001	90780047	0.0269			
2	100	6.192	6.192	0.000	283196358	0.0261			
						RPD = 3.02			
22 Heptachlor									
1	100	5.182	5.183	-0.001	77781854	0.0283			
2	100	6.289	6.289	0.000	246001669	0.0279			
						RPD = 1.45			
4 Aldrin									
1	100	5.632	5.633	-0.001	94244675	0.0265			
2	100	7.003	7.005	-0.002	281700133	0.0265			
						RPD = 0.05			
23 Heptachlor epoxide									
1	100	6.858	6.860	-0.002	73775592	0.0271			
2	100	8.492	8.492	0.000	226628994	0.0272			
						RPD = 0.19			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
21 gamma-Chlordane									
1	100	7.164	7.166	-0.002	80631470	0.0263			
2	100	8.919	8.919	0.000	236922539	0.0265			
						RPD = 0.77			
6 alpha-Chlordane									
1	100	7.514	7.516	-0.002	81142201	0.0257			
2	100	9.232	9.232	0.000	227744534	0.0257			
						RPD = 0.17			
14 Endosulfan I									
1	100	7.792	7.794	-0.002	69253583	0.0271			
2	100	9.293	9.294	-0.001	196479693	0.0275			
						RPD = 1.75			
2 4,4'-DDE									
1	100	7.898	7.899	-0.001	88808814	0.0269			
2	100	9.694	9.694	0.000	229463705	0.0265			
						RPD = 1.18			
13 Dieldrin									
1	100	8.358	8.361	-0.003	71535258	0.0269			
2	100	9.829	9.829	0.000	217654379	0.0274			
						RPD = 1.84			
17 Endrin									
1	100	8.817	8.818	-0.001	65016190	0.0266			
2	100	10.351	10.351	0.000	189786480	0.0269			
						RPD = 1.26			
1 4,4'-DDD									
1	100	9.186	9.185	0.001	50753807	0.0269			
2	100	10.724	10.724	0.000	338379365	0.0273			
						RPD = 1.72			
15 Endosulfan II									
1	100	9.269	9.269	0.000	68076913	0.0269			
2	100	10.724	10.724	0.000	338379365	0.0273			
						RPD = 1.38			
3 4,4'-DDT									
1	100	9.706	9.706	0.000	51891014	0.0276			
2	100	11.209	11.209	0.000	127071913	0.0272			
						RPD = 1.49			
18 Endrin aldehyde									
1	100	10.065	10.065	0.000	49798082	0.0271			
2	100	11.297	11.297	0.000	144159571	0.0274			
						RPD = 1.34			
27 Methoxychlor									
1	100	10.658	10.659	-0.001	24335177	0.0277			
2	100	12.288	12.288	0.000	63551889	0.0275			
						RPD = 0.77			
16 Endosulfan sulfate									
1	100	10.787	10.789	-0.002	60922182	0.0272			
2	100	11.729	11.730	-0.001	174462524	0.0275			
						RPD = 0.87			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
19 Endrin ketone									
1	100	11.188	11.188	0.000	62025450	0.0265			
2	100	12.467	12.467	0.000	167953549	0.0269			
						RPD = 1.37			

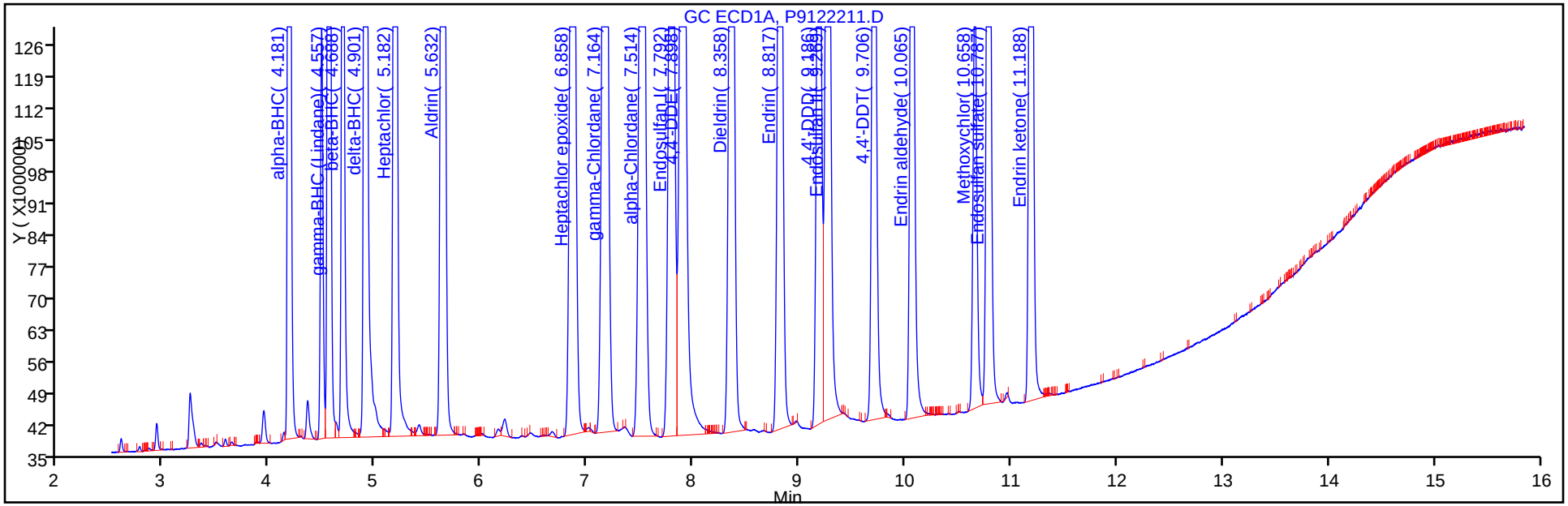
Report Date: 31-Dec-2012 10:57:58 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

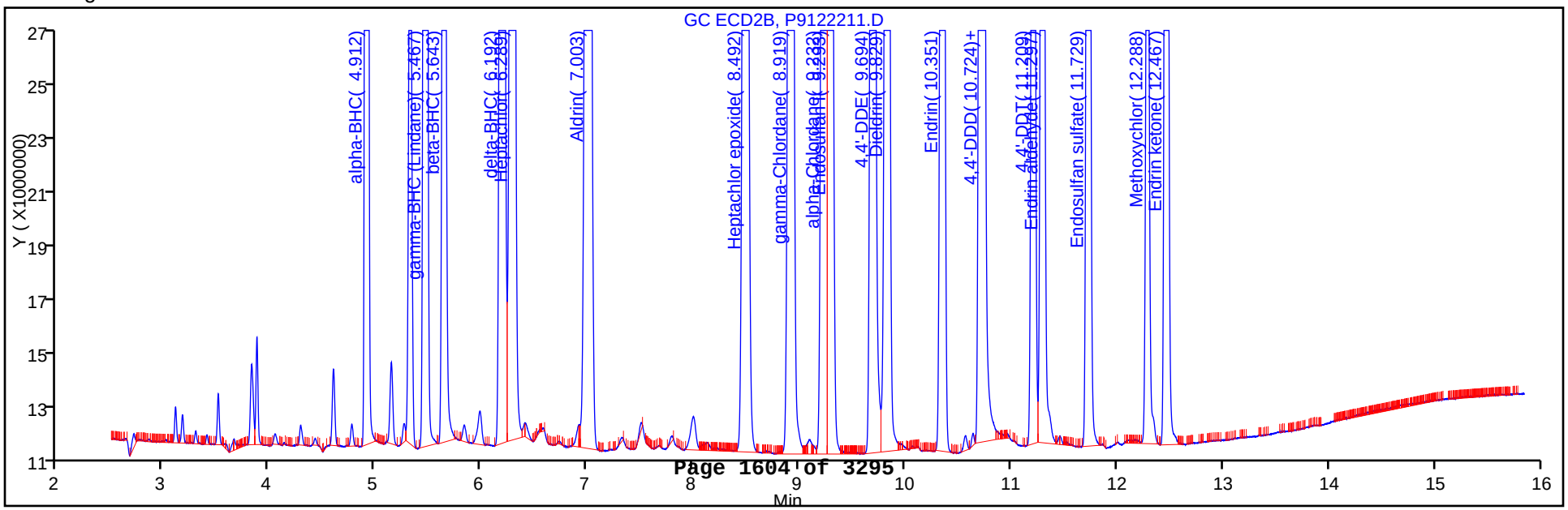
Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122211.D

Injection Date:	22-Dec-2012 15:37:27	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	11
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-69893/11 Calibration Date: 12/22/2012 15:37

Instrument ID: A2HP9 Calib Start Date: 12/22/2012 13:11

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/22/2012 15:13

Lab File ID: P9122211.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	13177110828	13677102040		0.0259	0.0250	3.8	20.0
gamma-BHC (Lindane)	Ave	10430817708	11141055280		0.0267	0.0250	6.8	20.0
beta-BHC	Ave	4362472019	4640147560		0.0266	0.0250	6.4	20.0
delta-BHC	Ave	10854717199	11327854320		0.0261	0.0250	4.4	20.0
Heptachlor	Ave	8804394038	9840066760		0.0279	0.0250	11.8	20.0
Aldrin	Ave	10632857867	11268005320		0.0265	0.0250	6.0	20.0
Heptachlor epoxide	Ave	8343678396	9065159760		0.0272	0.0250	8.6	20.0
gamma-Chlordane	Ave	8931440033	9476901560		0.0265	0.0250	6.1	20.0
alpha-Chlordane	Ave	8848756132	9109781360		0.0257	0.0250	2.9	20.0
Endosulfan I	Ave	7133143283	7859187720		0.0275	0.0250	10.2	20.0
4,4'-DDE	Ave	8644997313	9178548200		0.0265	0.0250	6.2	20.0
Dieldrin	Ave	7930499061	8706175160		0.0274	0.0250	9.8	20.0
Endrin	Ave	7044330525	7591459200		0.0269	0.0250	7.8	20.0
4,4'-DDD	Ave	12386945794	13535174600		0.0273	0.0250	9.3	20.0
Endosulfan II	Ave	12386945794	13535174600		0.0273	0.0250	9.3	20.0
4,4'-DDT	Ave	4665523587	5082876520		0.0272	0.0250	8.9	20.0
Endrin aldehyde	Ave	5251792496	5766382840		0.0274	0.0250	9.8	20.0
Endosulfan sulfate	Ave	6354273613	6978500960		0.0275	0.0250	9.8	20.0
Methoxychlor	Ave	2310305654	2542075560		0.0275	0.0250	10.0	20.0
Endrin ketone	Ave	6253762508	6718141960		0.0269	0.0250	7.4	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-69893/11 Calibration Date: 12/22/2012 15:37

Instrument ID: A2HP9 Calib Start Date: 12/22/2012 13:11

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/22/2012 15:13

Lab File ID: P9122211.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.91	4.88	4.94
gamma-BHC (Lindane)	5.47	5.44	5.50
beta-BHC	5.64	5.61	5.67
delta-BHC	6.19	6.16	6.22
Heptachlor	6.29	6.25	6.32
Aldrin	7.00	6.98	7.04
Heptachlor epoxide	8.49	8.46	8.52
gamma-Chlordane	8.92	8.89	8.95
alpha-Chlordane	9.23	9.20	9.26
Endosulfan I	9.29	9.26	9.32
4,4'-DDE	9.69	9.66	9.72
Dieldrin	9.83	9.80	9.86
Endrin	10.35	10.32	10.38
4,4'-DDD	10.72	10.69	10.75
Endosulfan II	10.72	10.69	10.75
4,4'-DDT	11.21	11.18	11.24
Endrin aldehyde	11.30	11.27	11.33
Endosulfan sulfate	11.73	11.70	11.76
Methoxychlor	12.29	12.26	12.32
Endrin ketone	12.47	12.44	12.50

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122211.D
Lims ID: ICV Client ID:
Inject. Date: 22-Dec-2012 15:37:27 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0016122-011
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 11
Lims Batch ID: 69893 Lims Sample ID: 11
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\PEST9.m
Last Update: 31-Dec-2012 10:57:54 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK027

First Level Reviewer: vandorenc Date: 31-Dec-2012 10:50:01

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 alpha-BHC									
1	100	4.181	4.182	-0.001	100987888	0.0265			
2	100	4.912	4.913	-0.001	341927551	0.0259			
						RPD = 2.13			
20 gamma-BHC (Lindane)									
1	100	4.557	4.557	0.000	84369679	0.0271			
2	100	5.467	5.467	0.000	278526382	0.0267			
						RPD = 1.41			
7 beta-BHC									
1	100	4.688	4.689	-0.001	36868532	0.0272			
2	100	5.643	5.643	0.000	116003689	0.0266			
						RPD = 2.16			
11 delta-BHC									
1	100	4.901	4.902	-0.001	90780047	0.0269			
2	100	6.192	6.192	0.000	283196358	0.0261			
						RPD = 3.02			
22 Heptachlor									
1	100	5.182	5.183	-0.001	77781854	0.0283			
2	100	6.289	6.289	0.000	246001669	0.0279			
						RPD = 1.45			
4 Aldrin									
1	100	5.632	5.633	-0.001	94244675	0.0265			
2	100	7.003	7.005	-0.002	281700133	0.0265			
						RPD = 0.05			
23 Heptachlor epoxide									
1	100	6.858	6.860	-0.002	73775592	0.0271			
2	100	8.492	8.492	0.000	226628994	0.0272			
						RPD = 0.19			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
21 gamma-Chlordane									
1	100	7.164	7.166	-0.002	80631470	0.0263			
2	100	8.919	8.919	0.000	236922539	0.0265			
						RPD = 0.77			
6 alpha-Chlordane									
1	100	7.514	7.516	-0.002	81142201	0.0257			
2	100	9.232	9.232	0.000	227744534	0.0257			
						RPD = 0.17			
14 Endosulfan I									
1	100	7.792	7.794	-0.002	69253583	0.0271			
2	100	9.293	9.294	-0.001	196479693	0.0275			
						RPD = 1.75			
2 4,4'-DDE									
1	100	7.898	7.899	-0.001	88808814	0.0269			
2	100	9.694	9.694	0.000	229463705	0.0265			
						RPD = 1.18			
13 Dieldrin									
1	100	8.358	8.361	-0.003	71535258	0.0269			
2	100	9.829	9.829	0.000	217654379	0.0274			
						RPD = 1.84			
17 Endrin									
1	100	8.817	8.818	-0.001	65016190	0.0266			
2	100	10.351	10.351	0.000	189786480	0.0269			
						RPD = 1.26			
1 4,4'-DDD									
1	100	9.186	9.185	0.001	50753807	0.0269			
2	100	10.724	10.724	0.000	338379365	0.0273			
						RPD = 1.72			
15 Endosulfan II									
1	100	9.269	9.269	0.000	68076913	0.0269			
2	100	10.724	10.724	0.000	338379365	0.0273			
						RPD = 1.38			
3 4,4'-DDT									
1	100	9.706	9.706	0.000	51891014	0.0276			
2	100	11.209	11.209	0.000	127071913	0.0272			
						RPD = 1.49			
18 Endrin aldehyde									
1	100	10.065	10.065	0.000	49798082	0.0271			
2	100	11.297	11.297	0.000	144159571	0.0274			
						RPD = 1.34			
27 Methoxychlor									
1	100	10.658	10.659	-0.001	24335177	0.0277			
2	100	12.288	12.288	0.000	63551889	0.0275			
						RPD = 0.77			
16 Endosulfan sulfate									
1	100	10.787	10.789	-0.002	60922182	0.0272			
2	100	11.729	11.730	-0.001	174462524	0.0275			
						RPD = 0.87			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
19 Endrin ketone									
1	100	11.188	11.188	0.000	62025450	0.0265			
2	100	12.467	12.467	0.000	167953549	0.0269			
						RPD = 1.37			

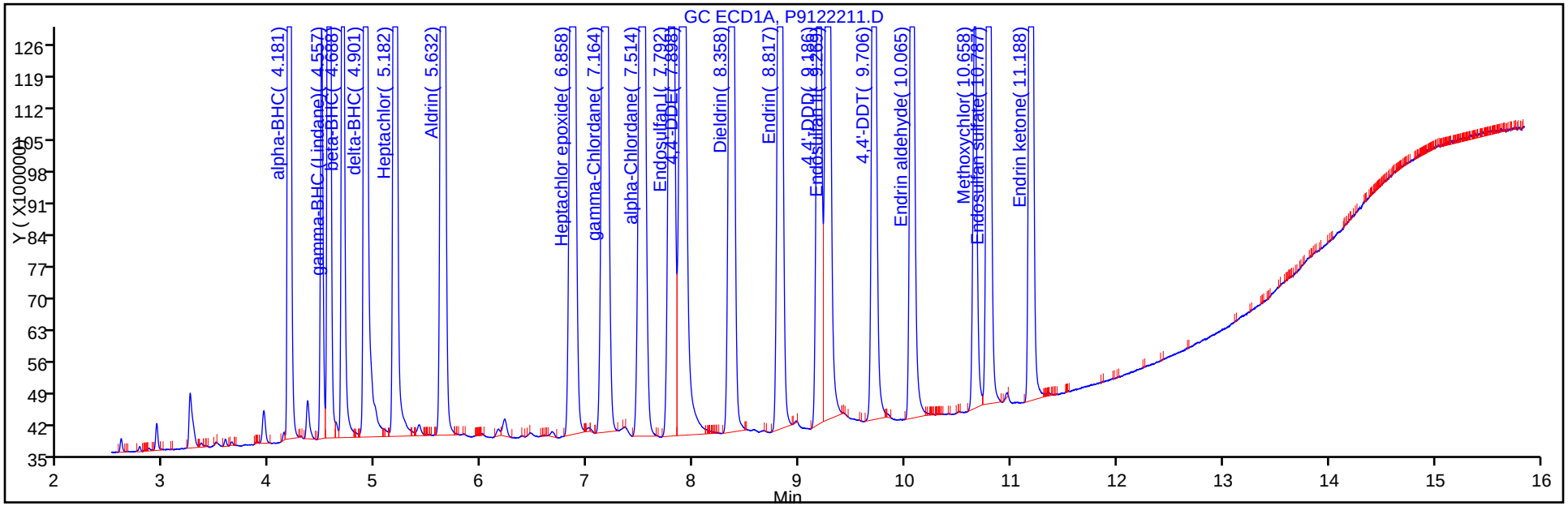
Report Date: 31-Dec-2012 10:57:58 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

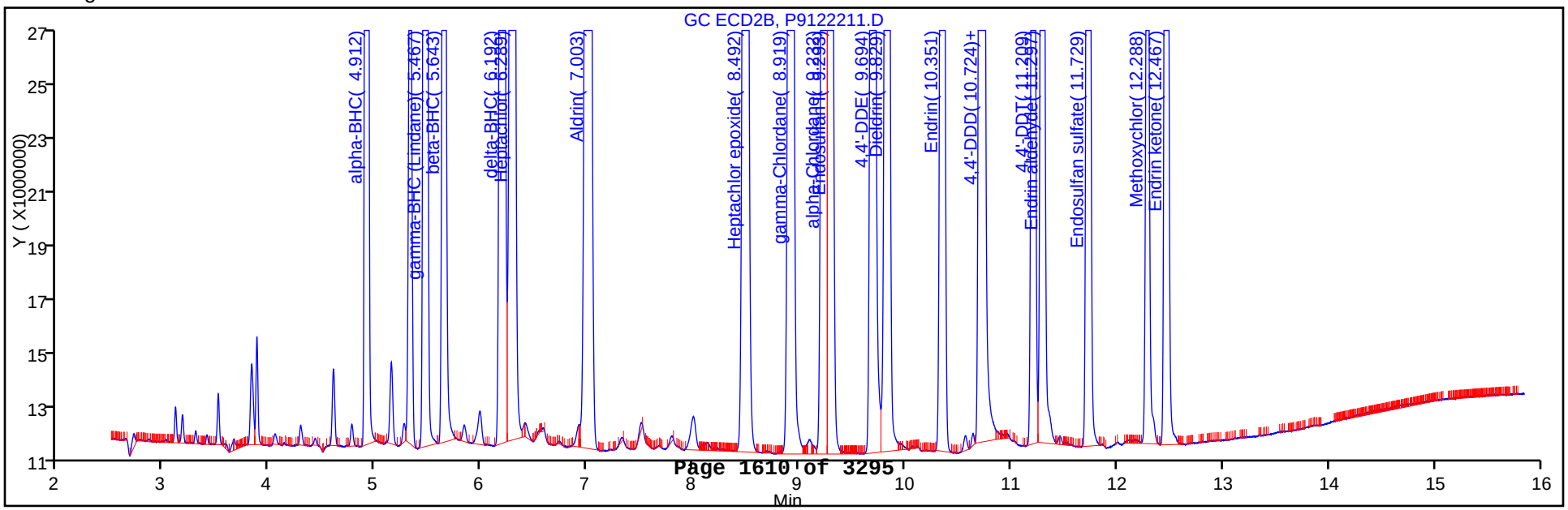
Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122211.D

Injection Date:	22-Dec-2012 15:37:27	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	11
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-71174/5 Calibration Date: 01/06/2013 17:48

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 13:58

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/06/2012 15:48

Lab File ID: P9010605.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	68992790	80661735		1.17	1.00	16.9	20.0
Toxaphene Peak 2	Ave	85469637	103250018		1.21	1.00	20.8*	20.0
Toxaphene Peak 3	Ave	73765512	81944579		1.11	1.00	11.1	20.0
Toxaphene Peak 4	Ave	98743767	105654164		1.07	1.00	7.0	20.0
Toxaphene Peak 5	Ave	63625849	65075697		1.02	1.00	2.3	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-71174/5 Calibration Date: 01/06/2013 17:48

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 13:58

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/06/2012 15:48

Lab File ID: P9010605.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	9.50	9.47	9.53
Toxaphene Peak 2	9.95	9.92	9.98
Toxaphene Peak 3	10.01	9.98	10.04
Toxaphene Peak 4	10.60	10.57	10.63
Toxaphene Peak 5	11.16	11.13	11.19

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010605.D
Lims ID: CCV TOX3 Client ID:
Inject. Date: 06-Jan-2013 17:48:16 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016400-005
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 71174 Lims Sample ID: 5
Sublist: chrom-PEST9*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\PEST9.m
Last Update: 07-Jan-2013 07:09:31 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK004

First Level Reviewer: vandorenc Date: 07-Jan-2013 06:32:15

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.497	9.497	0.000	80661735	1.17		100.0	
1	2	9.948	9.948	0.000	103250018	1.21	105.5- 145.5	128.0	
1	3	10.011	10.011	0.000	81944579	1.11	90.3- 130.3	101.6	
1	4	10.596	10.596	0.000	105654164	1.07	116.9- 156.9	131.0	
1	5	11.162	11.162	0.000	65075697	1.02	64.5- 104.5	80.7	
			Average of Peak Amounts =			1.12			
2	100	10.881	10.881	0.000	335089699	1.26		100.0	M
2	2	11.428	11.428	0.000	197421564	1.19	43.7- 83.7	58.9	M
2	3	11.831	11.831	0.000	175562106	1.02	45.7- 85.7	52.4	M
2	4	12.057	12.057	0.000	264682335	1.03	80.2- 120.2	79.0	M
2	5	12.445	12.445	0.000	100391285	0.8211	28.1- 68.1	30.0	M
			Average of Peak Amounts =			1.07			
						RPD = 4.65			

QC Flag Legend

Review Flags
M - Manually Integrated

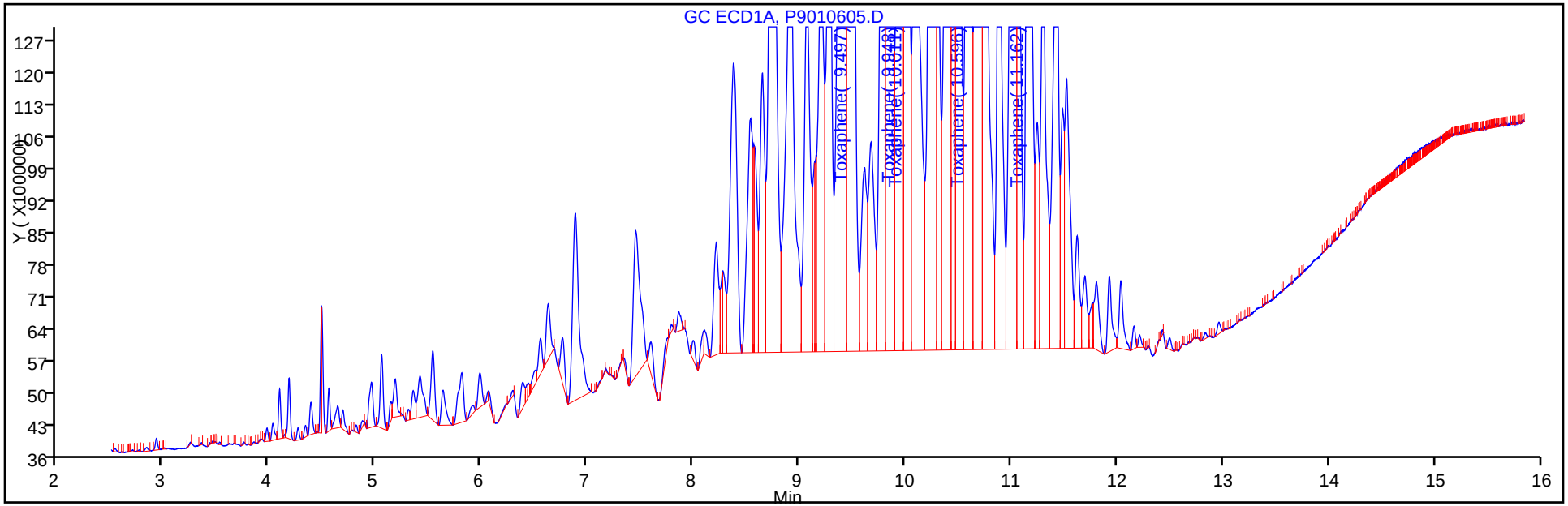
Report Date: 07-Jan-2013 07:09:32 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

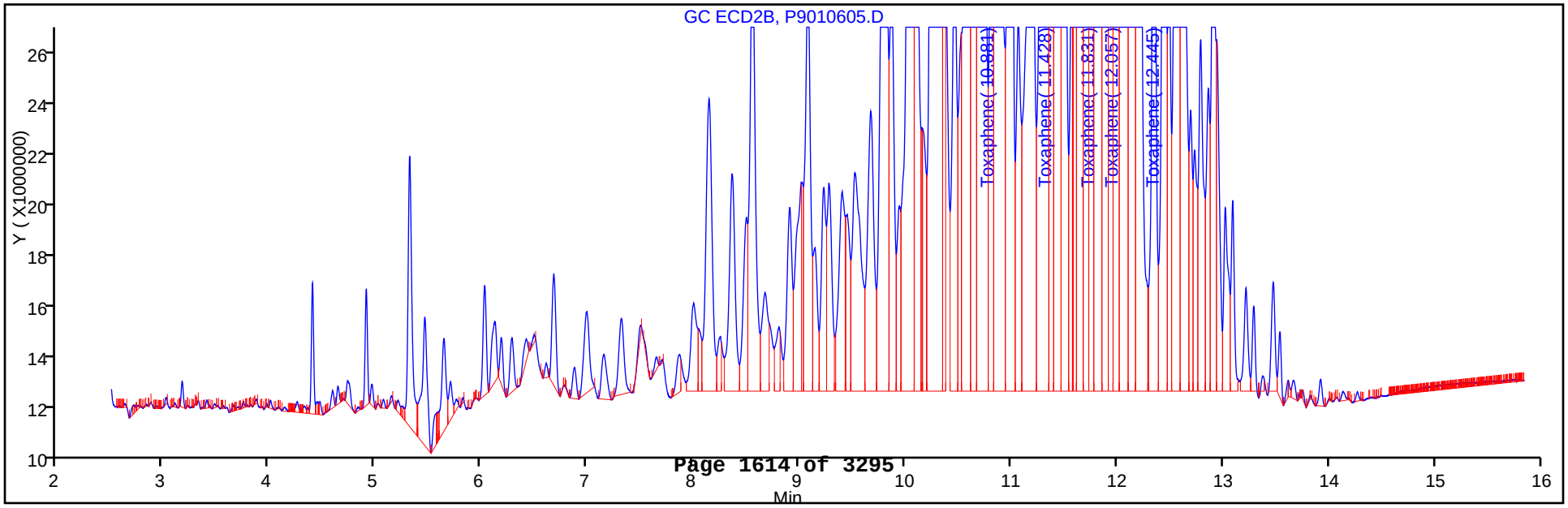
Data File: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010605.D

Injection Date:	06-Jan-2013 17:48:16	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71174	Lims Sample ID:	5
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-71174/5 Calibration Date: 01/06/2013 17:48

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 13:58

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/06/2012 15:48

Lab File ID: P9010605.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	265485355	335089699		1.26	1.00	26.2*	20.0
Toxaphene Peak 2	Ave	165982849	197421564		1.19	1.00	18.9	20.0
Toxaphene Peak 3	Ave	171487862	175562106		1.02	1.00	2.4	20.0
Toxaphene Peak 4	Ave	256795996	264682335		1.03	1.00	3.1	20.0
Toxaphene Peak 5	Ave	122259762	100391285		0.821	1.00	-17.9	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-71174/5 Calibration Date: 01/06/2013 17:48

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 13:58

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/06/2012 15:48

Lab File ID: P9010605.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.88	10.85	10.91
Toxaphene Peak 2	11.43	11.40	11.46
Toxaphene Peak 3	11.83	11.80	11.86
Toxaphene Peak 4	12.06	12.03	12.09
Toxaphene Peak 5	12.45	12.42	12.48

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010605.D
Lims ID: CCV TOX3 Client ID:
Inject. Date: 06-Jan-2013 17:48:16 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016400-005
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 71174 Lims Sample ID: 5
Sublist: chrom-PEST9*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\PEST9.m
Last Update: 07-Jan-2013 07:09:31 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK004

First Level Reviewer: vandorenc Date: 07-Jan-2013 06:32:15

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.497	9.497	0.000	80661735	1.17		100.0	
1	2	9.948	9.948	0.000	103250018	1.21	105.5- 145.5	128.0	
1	3	10.011	10.011	0.000	81944579	1.11	90.3- 130.3	101.6	
1	4	10.596	10.596	0.000	105654164	1.07	116.9- 156.9	131.0	
1	5	11.162	11.162	0.000	65075697	1.02	64.5- 104.5	80.7	
			Average of Peak Amounts =			1.12			
2	100	10.881	10.881	0.000	335089699	1.26		100.0	M
2	2	11.428	11.428	0.000	197421564	1.19	43.7- 83.7	58.9	M
2	3	11.831	11.831	0.000	175562106	1.02	45.7- 85.7	52.4	M
2	4	12.057	12.057	0.000	264682335	1.03	80.2- 120.2	79.0	M
2	5	12.445	12.445	0.000	100391285	0.8211	28.1- 68.1	30.0	M
			Average of Peak Amounts =			1.07			
						RPD = 4.65			

QC Flag Legend

Review Flags
M - Manually Integrated

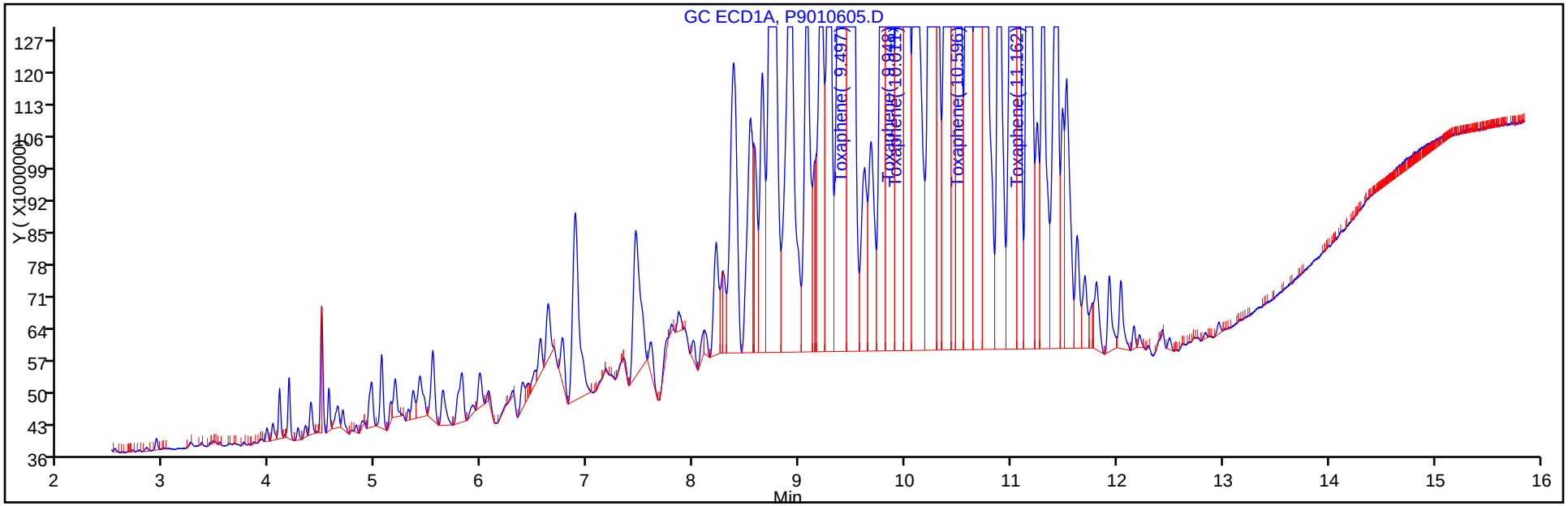
Report Date: 07-Jan-2013 07:09:33 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

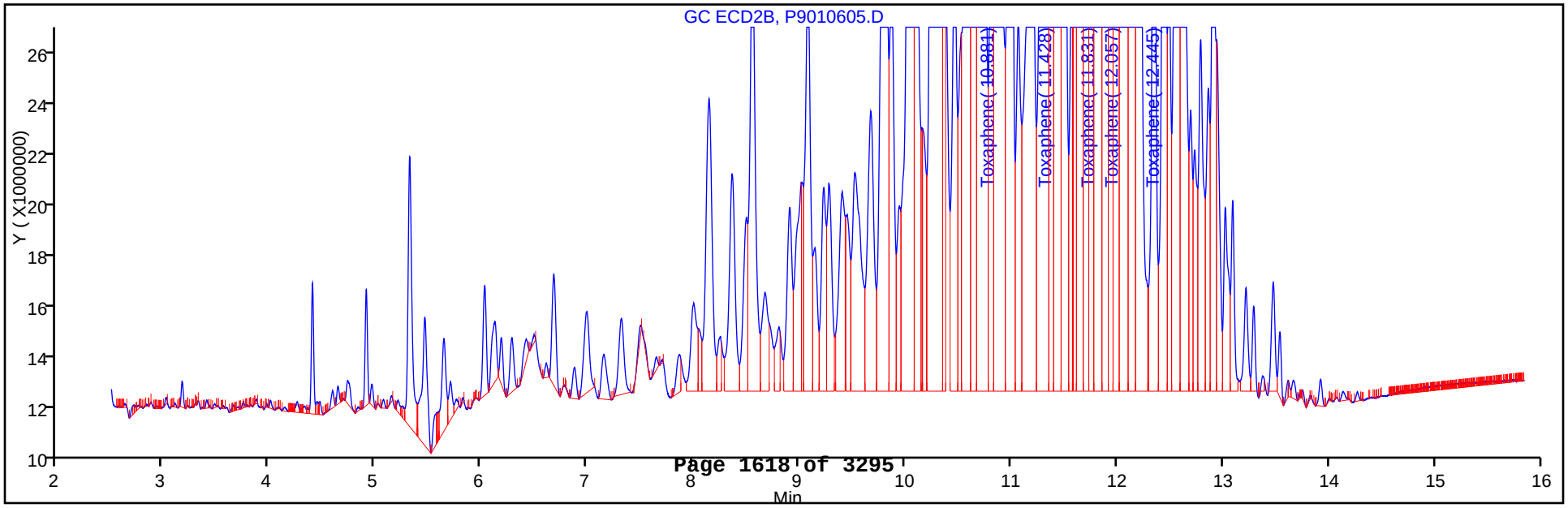
Data File: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010605.D

Injection Date:	06-Jan-2013 17:48:16	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71174	Lims Sample ID:	5
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



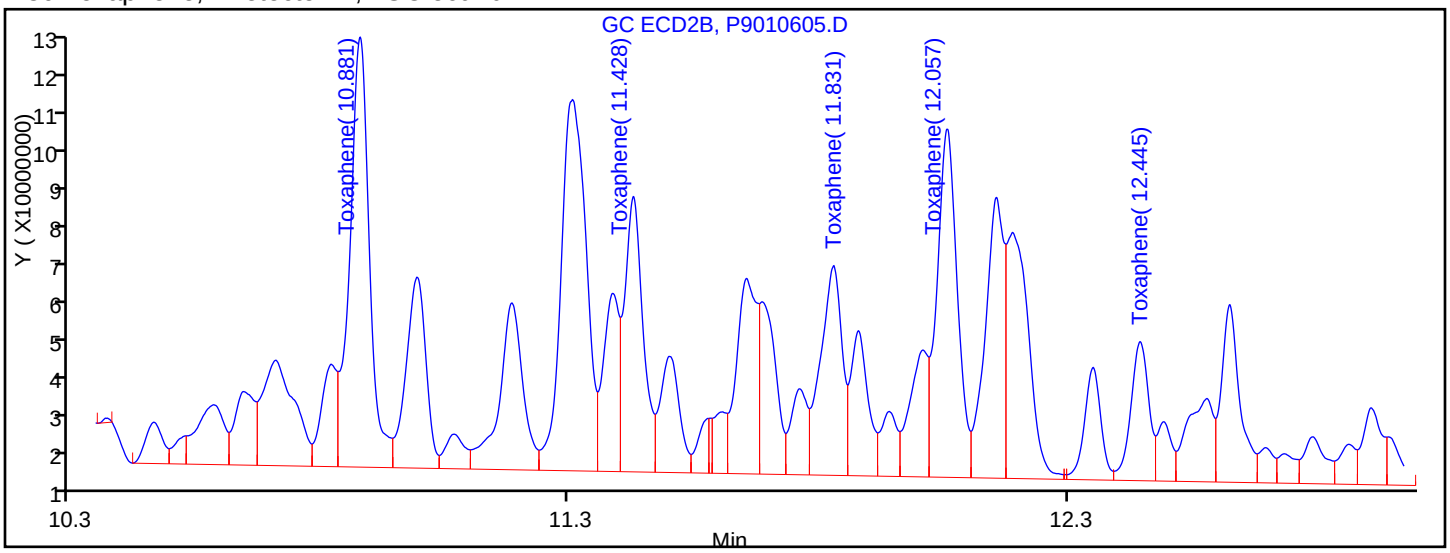
Report Date: 07-Jan-2013 07:09:33 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010605.D

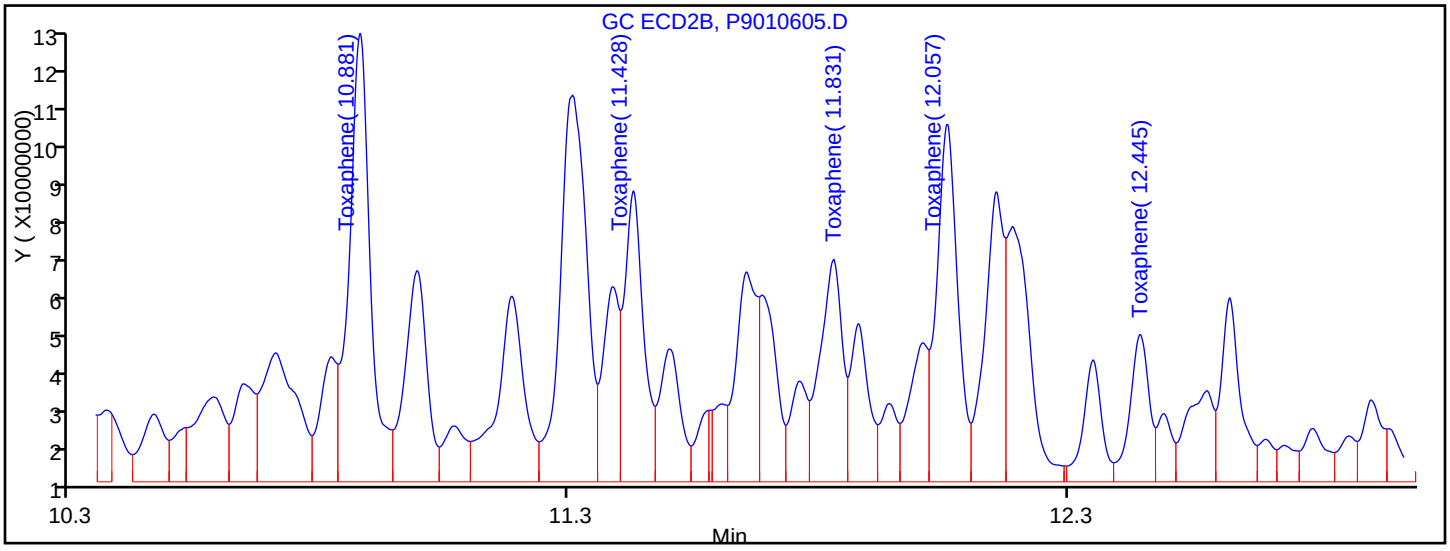
Injection Date:	06-Jan-2013 17:48:16	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71174	Lims Sample ID:	5
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 2, GC ecd2b



Processing Integration Results

RT = 10.881	Response = 296427381	M
RT = 11.428	Response = 177800094	M
RT = 11.831	Response = 157889656	M
RT = 12.057	Response = 247951927	M
RT = 12.445	Response = 87715119	M



Manual Integration Results

RT = 10.881	Response = 335089699	M
RT = 11.428	Response = 197421564	M
RT = 11.831	Response = 175562106	M
RT = 12.057	Response = 264682335	M
RT = 12.445	Response = 100391285	M

Reviewer: vandorenc, 07-Jan-2013 06:32:15

Audit Action: Assigned New Baseline

Audit Reason: Split Peak

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-71174/6 Calibration Date: 01/06/2013 18:15

Instrument ID: A2HP9 Calib Start Date: 12/22/2012 13:11

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/22/2012 15:13

Lab File ID: P9010606.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	3809820948	3809403480		0.0250	0.0250	-0.0	20.0
gamma-BHC (Lindane)	Ave	3115561773	3230572000		0.0259	0.0250	3.7	20.0
beta-BHC	Ave	1356797063	1335612240		0.0246	0.0250	-1.6	20.0
delta-BHC	Ave	3375911380	3137074360		0.0232	0.0250	-7.1	20.0
Heptachlor	Ave	2743824669	3145803600		0.0287	0.0250	14.7	20.0
Aldrin	Ave	3555606031	3499641240		0.0246	0.0250	-1.6	20.0
Heptachlor epoxide	Ave	2721274567	2993933120		0.0275	0.0250	10.0	20.0
gamma-Chlordane	Ave	3063197814	3131346480		0.0256	0.0250	2.2	20.0
alpha-Chlordane	Ave	3157953329	3241842680		0.0257	0.0250	2.7	20.0
Endosulfan I	Ave	2558663944	2839846680		0.0277	0.0250	11.0	20.0
4,4'-DDE	Ave	3306510503	3282112080		0.0248	0.0250	-0.7	20.0
Dieldrin	Ave	2654935053	2954736480		0.0278	0.0250	11.3	20.0
Endrin	Ave	2443787478	2783427960		0.0285	0.0250	13.9	20.0
4,4'-DDD	Ave	1890252848	1803792800		0.0239	0.0250	-4.6	20.0
Endosulfan II	Ave	2526594343	2979154920		0.0295	0.0250	17.9	20.0
4,4'-DDT	Ave	1877093720	1654335640		0.0220	0.0250	-11.9	20.0
Endrin aldehyde	Ave	1838690332	2048377520		0.0279	0.0250	11.4	20.0
Methoxychlor	Ave	877879613	795450480		0.0227	0.0250	-9.4	20.0
Endosulfan sulfate	Ave	2238400517	2286730120		0.0255	0.0250	2.2	20.0
Endrin ketone	Ave	2341348883	2535470240		0.0271	0.0250	8.3	20.0
Tetrachloro-m-xylene	Ave	2718867034	2860844520		0.0263	0.0250	5.2	20.0
DCB Decachlorobiphenyl	Ave	2552750546	2538594280		0.0249	0.0250	-0.6	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-71174/6 Calibration Date: 01/06/2013 18:15

Instrument ID: A2HP9 Calib Start Date: 12/22/2012 13:11

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/22/2012 15:13

Lab File ID: P9010606.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.18	4.15	4.21
gamma-BHC (Lindane)	4.56	4.53	4.59
beta-BHC	4.69	4.66	4.72
delta-BHC	4.90	4.87	4.93
Heptachlor	5.18	5.15	5.22
Aldrin	5.63	5.60	5.66
Heptachlor epoxide	6.86	6.83	6.89
gamma-Chlordane	7.16	7.13	7.19
alpha-Chlordane	7.51	7.48	7.54
Endosulfan I	7.79	7.76	7.82
4,4'-DDE	7.90	7.87	7.93
Dieldrin	8.36	8.33	8.39
Endrin	8.82	8.79	8.85
4,4'-DDD	9.19	9.16	9.22
Endosulfan II	9.27	9.24	9.30
4,4'-DDT	9.71	9.68	9.74
Endrin aldehyde	10.06	10.03	10.09
Methoxychlor	10.66	10.63	10.69
Endosulfan sulfate	10.79	10.76	10.82
Endrin ketone	11.19	11.16	11.22
Tetrachloro-m-xylene	3.50	3.47	3.53
DCB Decachlorobiphenyl	12.80	12.77	12.83

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010606.D		
Lims ID:	CCV AB3	Client ID:	
Inject. Date:	06-Jan-2013 18:15:49	Dil. Factor:	1.0000
Sample Type:	CCVRT		
Sample ID:	240-0016400-006		
Misc. Info.:			
Operator:	093905	Instrument ID:	A2HP9
Injection Vol:	1.0 ul	ALS Bottle#:	6
Lims Batch ID:	71174	Lims Sample ID:	6
Sublist:	chrom-PEST9*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP9\20130106-16400.b\PEST9.m		
Last Update:	07-Jan-2013 07:09:33	Calib Date:	22-Dec-2012 17:38:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK004		
First Level Reviewer: vandorenc		Date:	07-Jan-2013 06:33:20

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.498	3.498	0.000	71521113	0.0263			
2	100	4.085	4.085	0.000	224812628	0.0256			
						RPD = 2.65			
5 alpha-BHC									
1	100	4.181	4.181	0.000	95235087	0.0250			
2	100	4.908	4.908	0.000	312692880	0.0237			
						RPD = 5.20			
20 gamma-BHC (Lindane)									
1	100	4.556	4.556	0.000	80764300	0.0259			
2	100	5.461	5.461	0.000	263207476	0.0252			
						RPD = 2.69			
7 beta-BHC									
1	100	4.688	4.688	0.000	33390306	0.0246			
2	100	5.637	5.637	0.000	110211268	0.0253			
						RPD = 2.62			
11 delta-BHC									
1	100	4.901	4.901	0.000	78426859	0.0232			
2	100	6.186	6.186	0.000	238839788	0.0220			
						RPD = 5.43			
22 Heptachlor									
1	100	5.181	5.181	0.000	78645090	0.0287			
2	100	6.282	6.282	0.000	247272899	0.0281			
						RPD = 2.04			
4 Aldrin									
1	100	5.631	5.631	0.000	87491031	0.0246			
2	100	6.995	6.995	0.000	256139570	0.0241			
						RPD = 2.12			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.856	6.856	0.000	74848328	0.0275			
2	100	8.483	8.483	0.000	223403008	0.0268			
						RPD = 2.69			
21 gamma-Chlordane									
1	100	7.163	7.163	0.000	78283662	0.0256			
2	100	8.911	8.911	0.000	225298584	0.0252			
						RPD = 1.30			
6 alpha-Chlordane									
1	100	7.514	7.514	0.000	81046067	0.0257			
2	100	9.224	9.224	0.000	220977370	0.0250			
						RPD = 2.73			
14 Endosulfan I									
1	100	7.791	7.791	0.000	70996167	0.0277			
2	100	9.285	9.285	0.000	193750044	0.0272			
						RPD = 2.13			
2 4,4'-DDE									
1	100	7.898	7.898	0.000	82052802	0.0248			
2	100	9.688	9.688	0.000	206543189	0.0239			
						RPD = 3.79			
13 Dieldrin									
1	100	8.356	8.356	0.000	73868412	0.0278			
2	100	9.821	9.821	0.000	212205415	0.0268			
						RPD = 3.90			
17 Endrin									
1	100	8.818	8.818	0.000	69585699	0.0285			
2	100	10.343	10.343	0.000	193830382	0.0275			
						RPD = 3.42			
1 4,4'-DDD									
1	100	9.188	9.188	0.000	45094820	0.0239			
2	100	10.718	10.718	0.000	323465481	0.0261			
						RPD = 9.03			
15 Endosulfan II									
1	100	9.266	9.266	0.000	74478873	0.0295			
2	100	10.718	10.718	0.000	323465481	0.0261			
						RPD = 12.10			
3 4,4'-DDT									
1	100	9.706	9.706	0.000	41358391	0.0220			
2	100	11.204	11.204	0.000	100986340	0.0216			
						RPD = 1.78			
18 Endrin aldehyde									
1	100	10.063	10.063	0.000	51209438	0.0279			
2	100	11.290	11.290	0.000	139658777	0.0266			
						RPD = 4.62			
27 Methoxychlor									M
1	100	10.659	10.659	0.000	19886262	0.0227			
2	100	12.283	12.283	0.000	51670419	0.0224			M
						RPD = 1.28			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.786	10.786	0.000	57168253	0.0255			
2	100	11.722	11.722	0.000	150659318	0.0237			
						RPD = 7.43			
19 Endrin ketone									
1	100	11.187	11.187	0.000	63386756	0.0271			
2	100	12.460	12.460	0.000	158797060	0.0254			
						RPD = 6.41			
$ 10 DCB Decachlorobiphenyl									
1	100	12.800	12.800	0.000	63464857	0.0249			
2	100	14.240	14.240	0.000	158089630	0.0233			
						RPD = 6.60			

QC Flag Legend

Review Flags
M - Manually Integrated

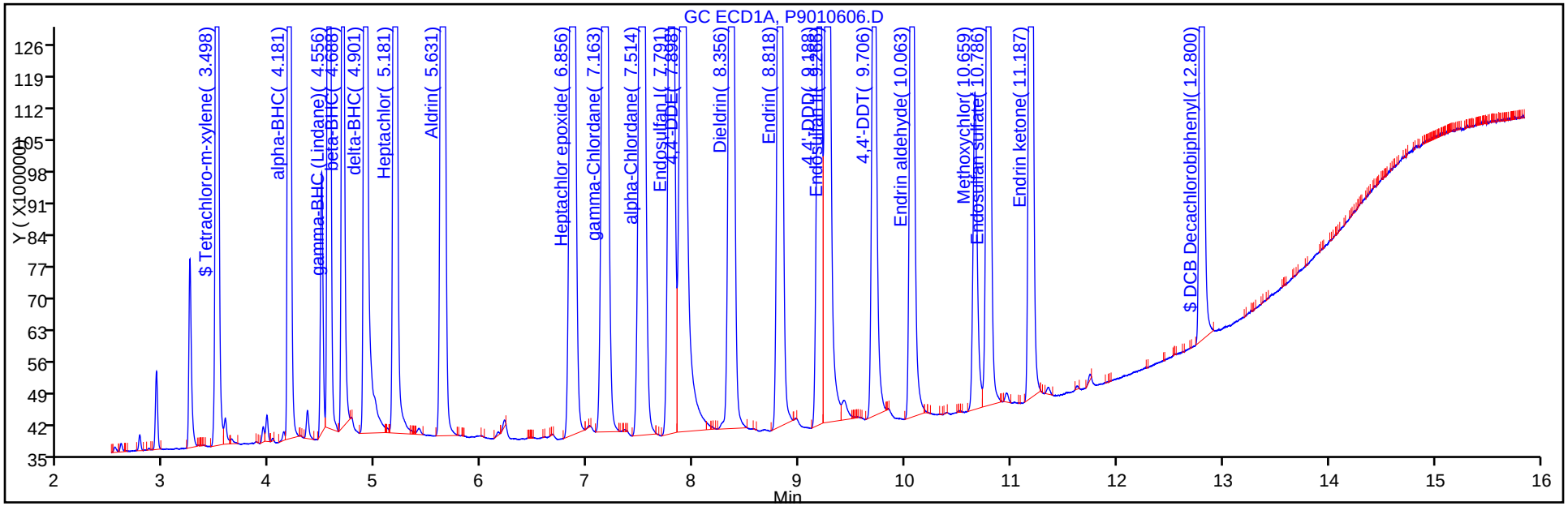
Report Date: 07-Jan-2013 07:09:34 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

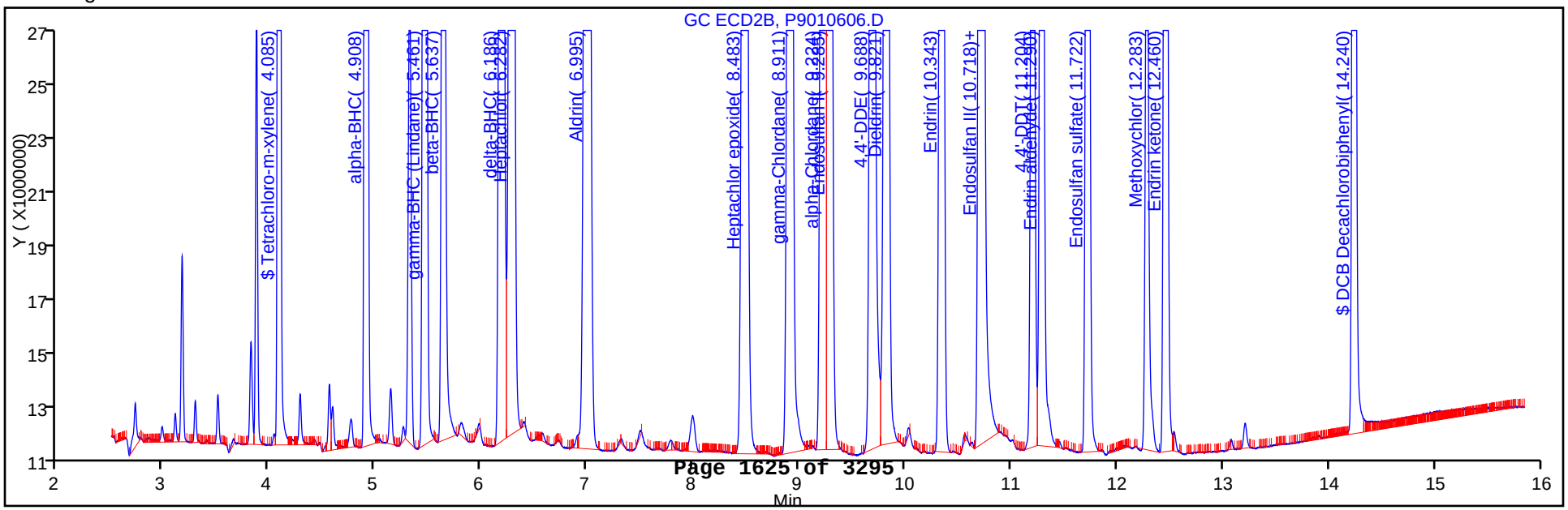
Data File: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010606.D

Injection Date:	06-Jan-2013 18:15:49	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71174	Lims Sample ID:	6
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-71174/6 Calibration Date: 01/06/2013 18:15

Instrument ID: A2HP9 Calib Start Date: 12/22/2012 13:11

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/22/2012 15:13

Lab File ID: P9010606.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	13177110828	12507715200		0.0237	0.0250	-5.1	20.0
gamma-BHC (Lindane)	Ave	10430817708	10528299040		0.0252	0.0250	0.9	20.0
beta-BHC	Ave	4362472019	4408450720		0.0253	0.0250	1.1	20.0
delta-BHC	Ave	10854717199	9553591520		0.0220	0.0250	-12.0	20.0
Heptachlor	Ave	8804394038	9890915960		0.0281	0.0250	12.3	20.0
Aldrin	Ave	10632857867	10245582800		0.0241	0.0250	-3.6	20.0
Heptachlor epoxide	Ave	8343678396	8936120320		0.0268	0.0250	7.1	20.0
gamma-Chlordane	Ave	8931440033	9011943360		0.0252	0.0250	0.9	20.0
alpha-Chlordane	Ave	8848756132	8839094800		0.0250	0.0250	-0.1	20.0
Endosulfan I	Ave	7133143283	7750001760		0.0272	0.0250	8.6	20.0
4,4'-DDE	Ave	8644997313	8261727560		0.0239	0.0250	-4.4	20.0
Dieldrin	Ave	7930499061	8488216600		0.0268	0.0250	7.0	20.0
Endrin	Ave	7044330525	7753215280		0.0275	0.0250	10.1	20.0
4,4'-DDD	Ave	12386945794	12938619240		0.0261	0.0250	4.5	20.0
Endosulfan II	Ave	12386945794	12938619240		0.0261	0.0250	4.5	20.0
4,4'-DDT	Ave	4665523587	4039453600		0.0216	0.0250	-13.4	20.0
Endrin aldehyde	Ave	5251792496	5586351080		0.0266	0.0250	6.4	20.0
Endosulfan sulfate	Ave	6354273613	6026372720		0.0237	0.0250	-5.2	20.0
Methoxychlor	Ave	2310305654	2066816760		0.0224	0.0250	-10.5	20.0
Endrin ketone	Ave	6253762508	6351882400		0.0254	0.0250	1.6	20.0
Tetrachloro-m-xylene	Ave	8775463387	8992505120		0.0256	0.0250	2.5	20.0
DCB Decachlorobiphenyl	Ave	6793039666	6323585200		0.0233	0.0250	-6.9	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-71174/6 Calibration Date: 01/06/2013 18:15

Instrument ID: A2HP9 Calib Start Date: 12/22/2012 13:11

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/22/2012 15:13

Lab File ID: P9010606.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.91	4.88	4.94
gamma-BHC (Lindane)	5.46	5.43	5.49
beta-BHC	5.64	5.61	5.67
delta-BHC	6.19	6.16	6.22
Heptachlor	6.28	6.25	6.32
Aldrin	7.00	6.97	7.03
Heptachlor epoxide	8.48	8.45	8.51
gamma-Chlordane	8.91	8.88	8.94
alpha-Chlordane	9.22	9.19	9.25
Endosulfan I	9.29	9.26	9.32
4,4'-DDE	9.69	9.66	9.72
Dieldrin	9.82	9.79	9.85
Endrin	10.34	10.31	10.37
4,4'-DDD	10.72	10.69	10.75
Endosulfan II	10.72	10.69	10.75
4,4'-DDT	11.20	11.17	11.23
Endrin aldehyde	11.29	11.26	11.32
Endosulfan sulfate	11.72	11.69	11.75
Methoxychlor	12.28	12.25	12.31
Endrin ketone	12.46	12.43	12.49
Tetrachloro-m-xylene	4.09	4.06	4.12
DCB Decachlorobiphenyl	14.24	14.21	14.27

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010606.D
Lims ID: CCV AB3 Client ID:
Inject. Date: 06-Jan-2013 18:15:49 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 240-0016400-006
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 6
Lims Batch ID: 71174 Lims Sample ID: 6
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\PEST9.m
Last Update: 07-Jan-2013 07:09:33 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK004

First Level Reviewer: vandorenc Date: 07-Jan-2013 06:33:20

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.498	3.498	0.000	71521113	0.0263			
2	100	4.085	4.085	0.000	224812628	0.0256			
						RPD = 2.65			
5 alpha-BHC									
1	100	4.181	4.181	0.000	95235087	0.0250			
2	100	4.908	4.908	0.000	312692880	0.0237			
						RPD = 5.20			
20 gamma-BHC (Lindane)									
1	100	4.556	4.556	0.000	80764300	0.0259			
2	100	5.461	5.461	0.000	263207476	0.0252			
						RPD = 2.69			
7 beta-BHC									
1	100	4.688	4.688	0.000	33390306	0.0246			
2	100	5.637	5.637	0.000	110211268	0.0253			
						RPD = 2.62			
11 delta-BHC									
1	100	4.901	4.901	0.000	78426859	0.0232			
2	100	6.186	6.186	0.000	238839788	0.0220			
						RPD = 5.43			
22 Heptachlor									
1	100	5.181	5.181	0.000	78645090	0.0287			
2	100	6.282	6.282	0.000	247272899	0.0281			
						RPD = 2.04			
4 Aldrin									
1	100	5.631	5.631	0.000	87491031	0.0246			
2	100	6.995	6.995	0.000	256139570	0.0241			
						RPD = 2.12			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.856	6.856	0.000	74848328	0.0275			
2	100	8.483	8.483	0.000	223403008	0.0268			
						RPD = 2.69			
21 gamma-Chlordane									
1	100	7.163	7.163	0.000	78283662	0.0256			
2	100	8.911	8.911	0.000	225298584	0.0252			
						RPD = 1.30			
6 alpha-Chlordane									
1	100	7.514	7.514	0.000	81046067	0.0257			
2	100	9.224	9.224	0.000	220977370	0.0250			
						RPD = 2.73			
14 Endosulfan I									
1	100	7.791	7.791	0.000	70996167	0.0277			
2	100	9.285	9.285	0.000	193750044	0.0272			
						RPD = 2.13			
2 4,4'-DDE									
1	100	7.898	7.898	0.000	82052802	0.0248			
2	100	9.688	9.688	0.000	206543189	0.0239			
						RPD = 3.79			
13 Dieldrin									
1	100	8.356	8.356	0.000	73868412	0.0278			
2	100	9.821	9.821	0.000	212205415	0.0268			
						RPD = 3.90			
17 Endrin									
1	100	8.818	8.818	0.000	69585699	0.0285			
2	100	10.343	10.343	0.000	193830382	0.0275			
						RPD = 3.42			
1 4,4'-DDD									
1	100	9.188	9.188	0.000	45094820	0.0239			
2	100	10.718	10.718	0.000	323465481	0.0261			
						RPD = 9.03			
15 Endosulfan II									
1	100	9.266	9.266	0.000	74478873	0.0295			
2	100	10.718	10.718	0.000	323465481	0.0261			
						RPD = 12.10			
3 4,4'-DDT									
1	100	9.706	9.706	0.000	41358391	0.0220			
2	100	11.204	11.204	0.000	100986340	0.0216			
						RPD = 1.78			
18 Endrin aldehyde									
1	100	10.063	10.063	0.000	51209438	0.0279			
2	100	11.290	11.290	0.000	139658777	0.0266			
						RPD = 4.62			
27 Methoxychlor									M
1	100	10.659	10.659	0.000	19886262	0.0227			
2	100	12.283	12.283	0.000	51670419	0.0224			M
						RPD = 1.28			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.786	10.786	0.000	57168253	0.0255			
2	100	11.722	11.722	0.000	150659318	0.0237			
						RPD = 7.43			
19 Endrin ketone									
1	100	11.187	11.187	0.000	63386756	0.0271			
2	100	12.460	12.460	0.000	158797060	0.0254			
						RPD = 6.41			
$ 10 DCB Decachlorobiphenyl									
1	100	12.800	12.800	0.000	63464857	0.0249			
2	100	14.240	14.240	0.000	158089630	0.0233			
						RPD = 6.60			

QC Flag Legend

Review Flags
M - Manually Integrated

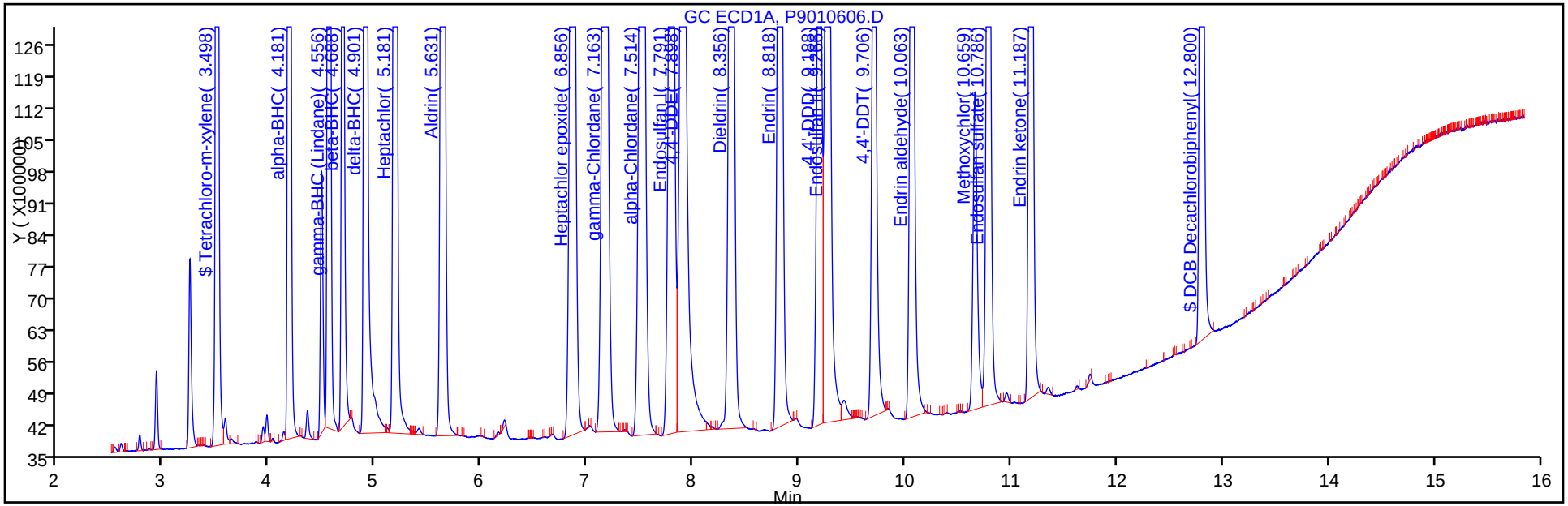
Report Date: 07-Jan-2013 07:09:35 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

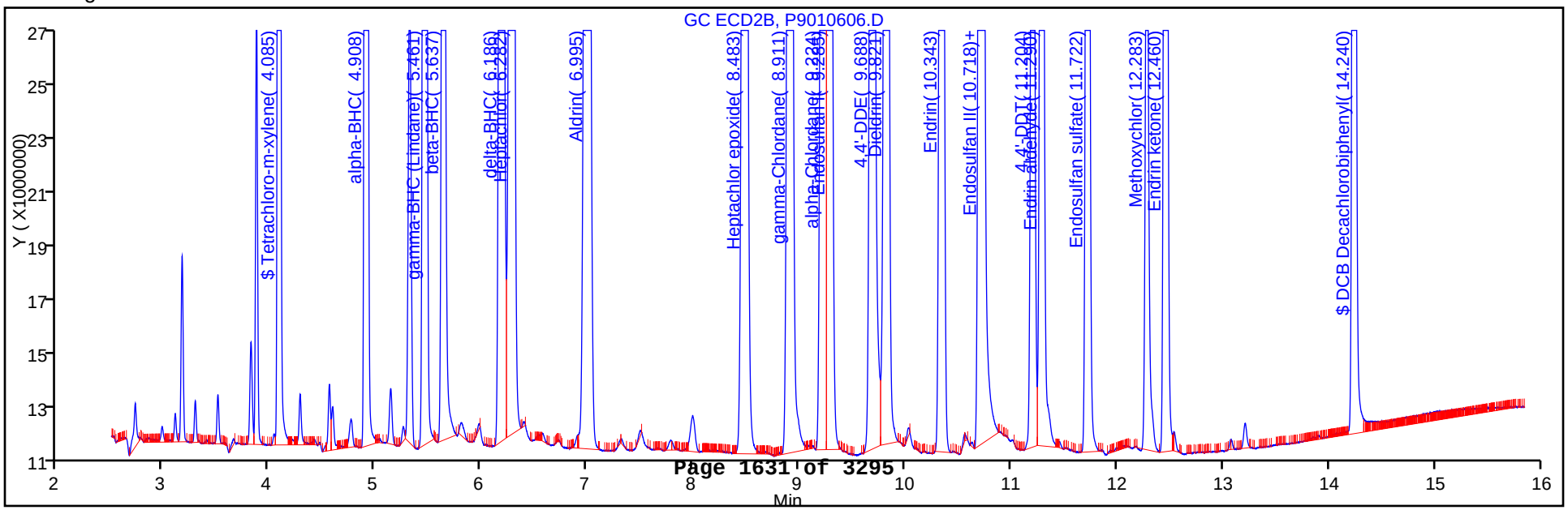
Data File: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010606.D

Injection Date:	06-Jan-2013 18:15:49	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71174	Lims Sample ID:	6
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

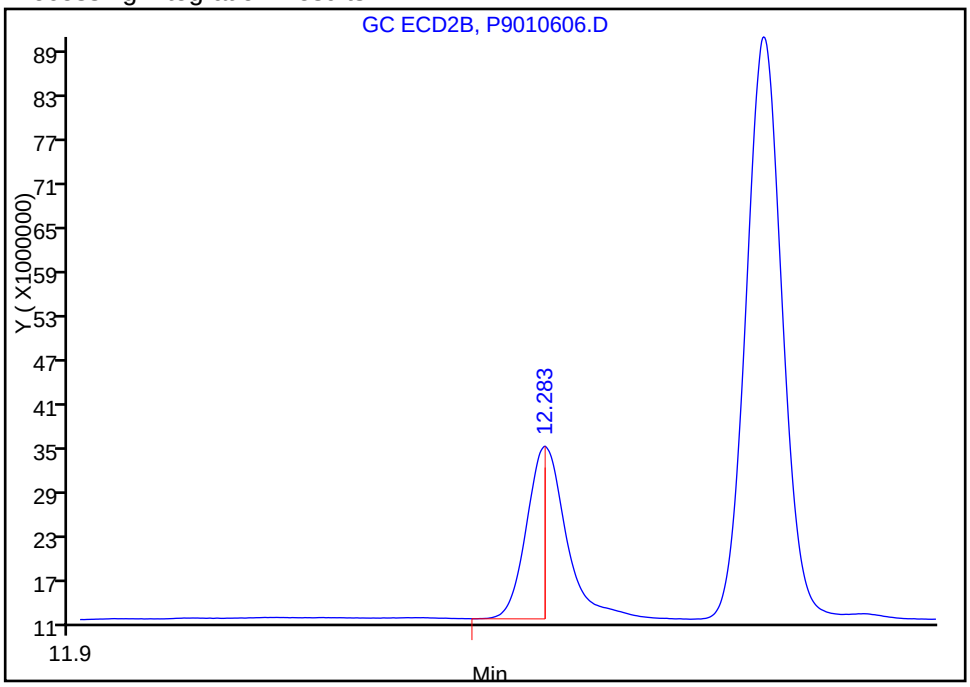
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010606.D		
Injection Date:	06-Jan-2013 18:15:49	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71174	Lims Sample ID:	6
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

27 Methoxychlor, Signal: 2, Type: quant, RT: 12.28, Det: GC ecd2b

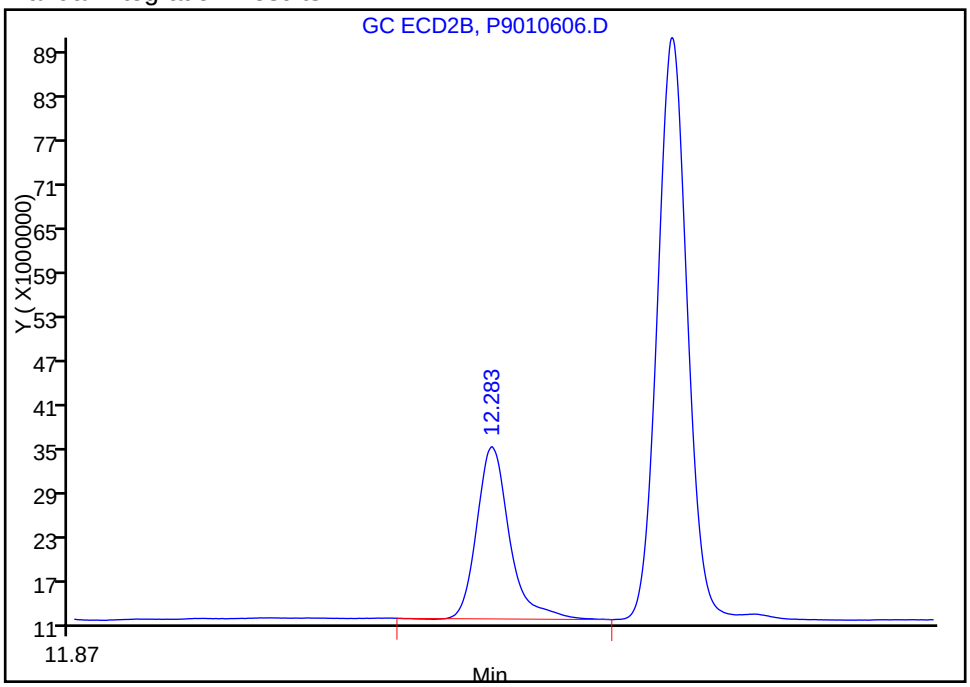
Processing Integration Results

RT: 12.28
Response: 23665306
Amount: 0.010243



Manual Integration Results

RT: 12.28
Response: 51670419
Amount: 0.022365



Reviewer: vandorenc, 07-Jan-2013 06:33:20
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-71174/7 Calibration Date: 01/06/2013 18:40

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 16:43

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/06/2012 18:34

Lab File ID: P9010607.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlordane (technical) Peak 1	Ave	129175756	144270720		0.112	0.100	11.7	20.0
Chlordane (technical) Peak 2	Ave	117593671	136168700		0.116	0.100	15.8	20.0
Chlordane (technical) Peak 3	Ave	386374303	430506750		0.111	0.100	11.4	20.0
Chlordane (technical) Peak 4	Ave	603179595	691072700		0.115	0.100	14.6	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-71174/7 Calibration Date: 01/06/2013 18:40

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 16:43

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/06/2012 18:34

Lab File ID: P9010607.D

Analyte	RT	RT WINDOW	
		FROM	TO
Chlordane (technical) Peak 1	5.07	5.04	5.10
Chlordane (technical) Peak 2	5.92	5.89	5.95
Chlordane (technical) Peak 3	7.16	7.13	7.19
Chlordane (technical) Peak 4	7.50	7.47	7.53

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010607.D
Lims ID: CCV TC
Client ID:
Inject. Date: 06-Jan-2013 18:40:20
Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016400-007
Misc. Info.:
Operator: 093905
Instrument ID: A2HP9
Injection Vol: 1.0 ul
ALS Bottle#: 7
Lims Batch ID: 71174
Lims Sample ID: 7
Sublist: chrom-PEST9*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\PEST9.m
Last Update: 07-Jan-2013 07:09:35
Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK004

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									
1	100	5.065	5.065	0.000	14427072	0.1117		100.0	
1	2	5.918	5.918	0.000	13616870	0.1158	68.4- 108.4	94.4	
1	3	7.159	7.159	0.000	43050675	0.1114	289.4- 329.4	298.4	
1	4	7.504	7.504	0.000	69107270	0.1146	465.8- 505.8	479.0	
			Average of Peak Amounts =			0.1134			
2	100	5.987	5.987	0.000	48294989	0.0980		100.0	
2	2	7.482	7.482	0.000	44070016	0.1449	8.4- 48.4	91.3	
2	3	8.909	8.909	0.000	120893288	0.1338	101.3- 141.3	250.3	
2	4	9.223	9.223	0.000	110596798	0.1365	72.8- 112.8	229.0	
			Average of Peak Amounts =			0.1283			
						RPD = 12.35			

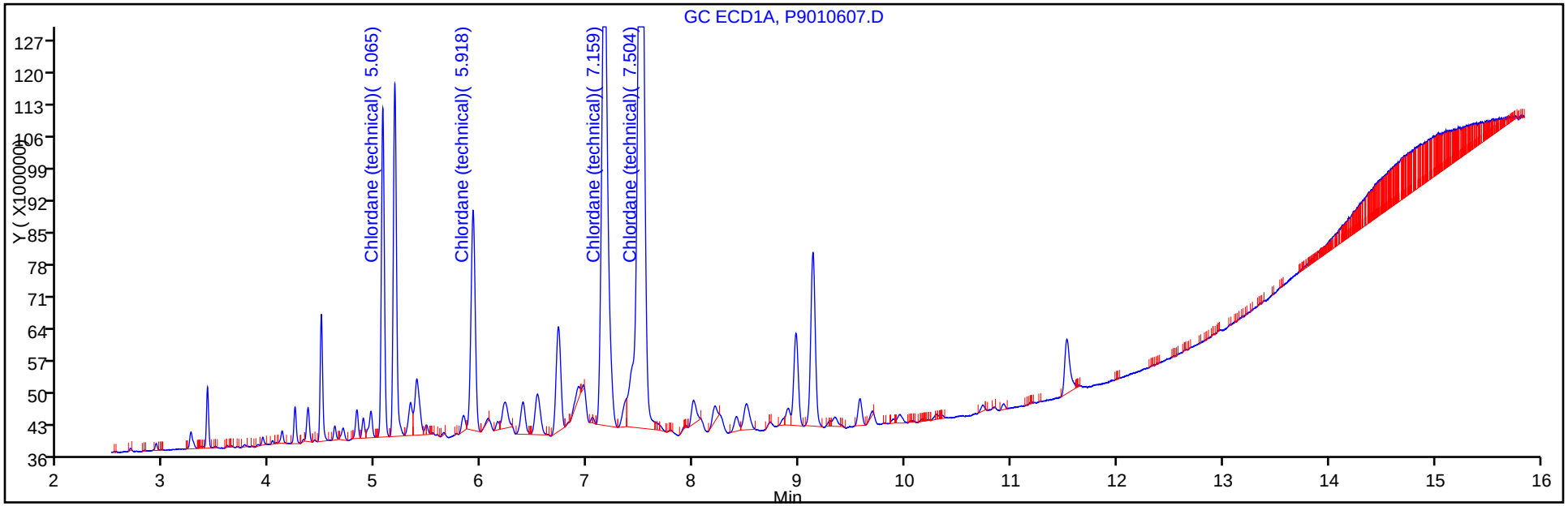
Report Date: 07-Jan-2013 07:09:37 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

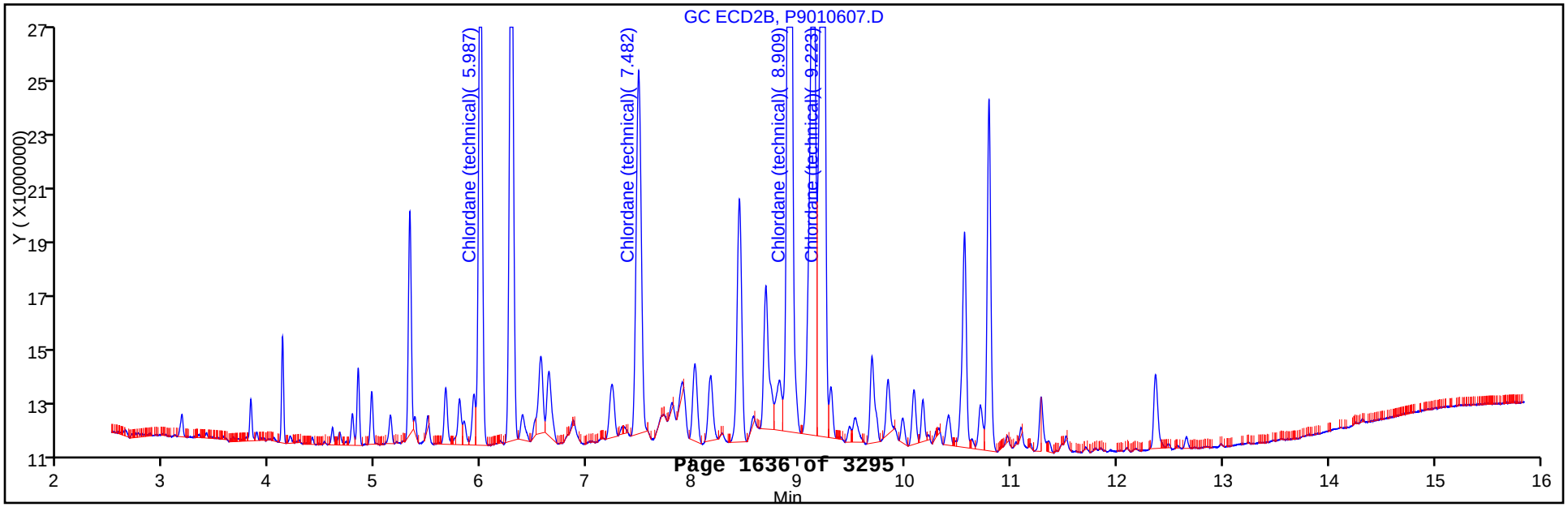
Data File: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010607.D

Injection Date:	06-Jan-2013 18:40:20	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71174	Lims Sample ID:	7
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-71174/7 Calibration Date: 01/06/2013 18:40

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 16:43

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/06/2012 18:34

Lab File ID: P9010607.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlordane (technical) Peak 1	Ave	492705439	482949890		0.0980	0.100	-2.0	20.0
Chlordane (technical) Peak 2	Ave	304182988	440700160		0.145	0.100	44.9*	20.0
Chlordane (technical) Peak 3	Ave	903671005	1208932880		0.134	0.100	33.8*	20.0
Chlordane (technical) Peak 4	Ave	810442430	1105967980		0.136	0.100	36.5*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-71174/7 Calibration Date: 01/06/2013 18:40

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 16:43

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/06/2012 18:34

Lab File ID: P9010607.D

Analyte	RT	RT WINDOW	
		FROM	TO
Chlordane (technical) Peak 1	5.99	5.96	6.02
Chlordane (technical) Peak 2	7.48	7.45	7.51
Chlordane (technical) Peak 3	8.91	8.88	8.94
Chlordane (technical) Peak 4	9.22	9.19	9.25

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010607.D
Lims ID: CCV TC
Client ID:
Inject. Date: 06-Jan-2013 18:40:20
Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016400-007
Misc. Info.:
Operator: 093905
Instrument ID: A2HP9
Injection Vol: 1.0 ul
ALS Bottle#: 7
Lims Batch ID: 71174
Lims Sample ID: 7
Sublist: chrom-PEST9*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\PEST9.m
Last Update: 07-Jan-2013 07:09:35
Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK004

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									
1	100	5.065	5.065	0.000	14427072	0.1117		100.0	
1	2	5.918	5.918	0.000	13616870	0.1158	68.4- 108.4	94.4	
1	3	7.159	7.159	0.000	43050675	0.1114	289.4- 329.4	298.4	
1	4	7.504	7.504	0.000	69107270	0.1146	465.8- 505.8	479.0	
			Average of Peak Amounts =			0.1134			
2	100	5.987	5.987	0.000	48294989	0.0980		100.0	
2	2	7.482	7.482	0.000	44070016	0.1449	8.4- 48.4	91.3	
2	3	8.909	8.909	0.000	120893288	0.1338	101.3- 141.3	250.3	
2	4	9.223	9.223	0.000	110596798	0.1365	72.8- 112.8	229.0	
			Average of Peak Amounts =			0.1283			
						RPD = 12.35			

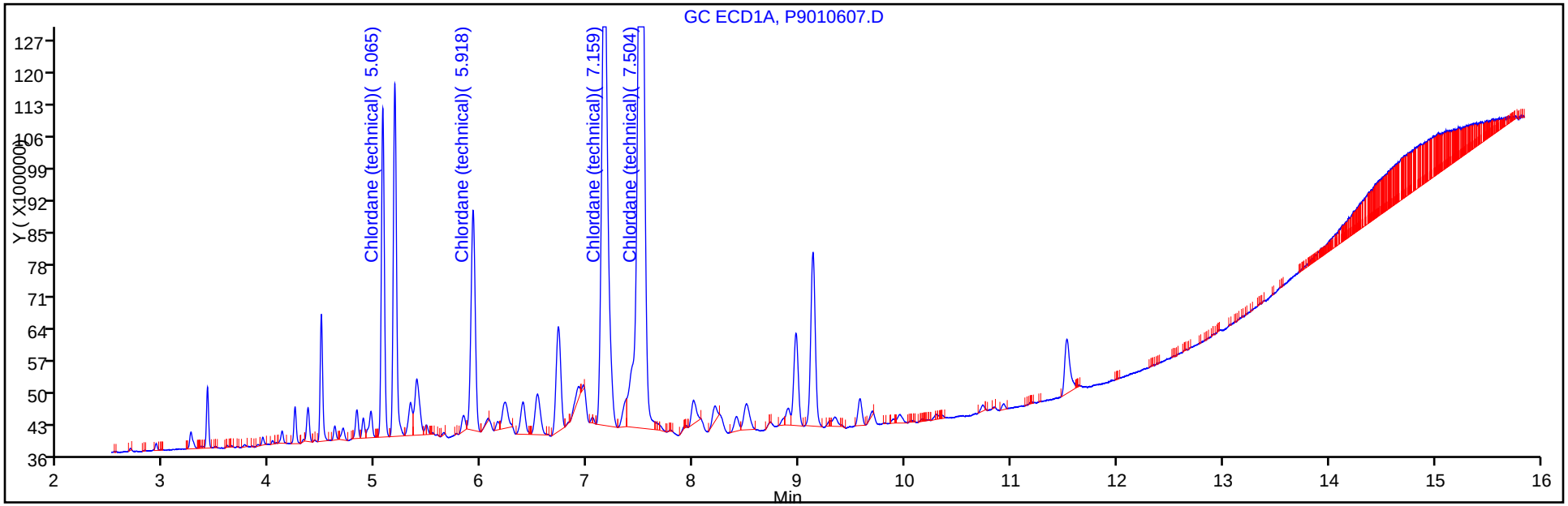
Report Date: 07-Jan-2013 07:09:37 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

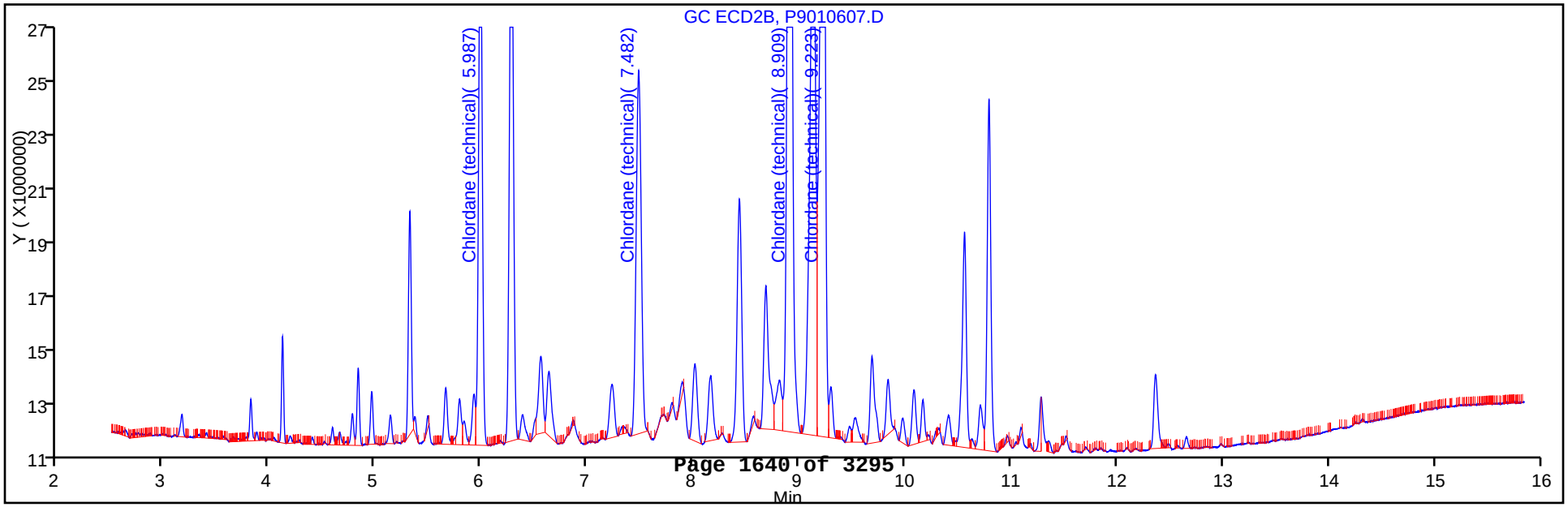
Data File: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010607.D

Injection Date:	06-Jan-2013 18:40:20	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71174	Lims Sample ID:	7
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-71174/19 Calibration Date: 01/06/2013 23:57

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 13:58

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/06/2012 15:48

Lab File ID: P9010619.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	68992790	90970851		1.32	1.00	31.9*	20.0
Toxaphene Peak 2	Ave	85469637	111431124		1.30	1.00	30.4*	20.0
Toxaphene Peak 3	Ave	73765512	86069270		1.17	1.00	16.7	20.0
Toxaphene Peak 4	Ave	98743767	102223295		1.04	1.00	3.5	20.0
Toxaphene Peak 5	Ave	63625849	55768175		0.877	1.00	-12.3	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-71174/19 Calibration Date: 01/06/2013 23:57

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 13:58

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/06/2012 15:48

Lab File ID: P9010619.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	9.49	9.46	9.52
Toxaphene Peak 2	9.95	9.92	9.98
Toxaphene Peak 3	10.01	9.98	10.04
Toxaphene Peak 4	10.59	10.56	10.62
Toxaphene Peak 5	11.16	11.13	11.19

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010619.D
Lims ID: CCV TOX3 Client ID:
Inject. Date: 06-Jan-2013 23:57:18 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016400-019
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 19
Lims Batch ID: 71174 Lims Sample ID: 19
Sublist: chrom-PEST9*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\PEST9.m
Last Update: 07-Jan-2013 07:09:50 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK004

First Level Reviewer: vandorenc Date: 07-Jan-2013 06:56:06

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.494	9.494	0.000	90970851	1.32		100.0	M
1	2	9.946	9.946	0.000	111431124	1.30	105.5- 145.5	122.5	M
1	3	10.008	10.008	0.000	86069270	1.17	90.3- 130.3	94.6	M
1	4	10.594	10.594	0.000	102223295	1.04	116.9- 156.9	112.4	M
1	5	11.158	11.158	0.000	55768175	0.8765	64.5- 104.5	61.3	M
			Average of Peak Amounts =			1.14			
2	100	10.878	10.878	0.000	419177292	1.58		100.0	
2	2	11.426	11.426	0.000	174317401	1.05	43.7- 83.7	41.6	
2	3	11.829	11.829	0.000	150029052	0.8749	45.7- 85.7	35.8	
2	4	12.054	12.054	0.000	212445629	0.8273	80.2- 120.2	50.7	
2	5	12.434	12.434	0.000	35507583	0.2904	28.1- 68.1	8.5	
			Average of Peak Amounts =			0.9243			
						RPD = 20.91			

QC Flag Legend

Review Flags
M - Manually Integrated

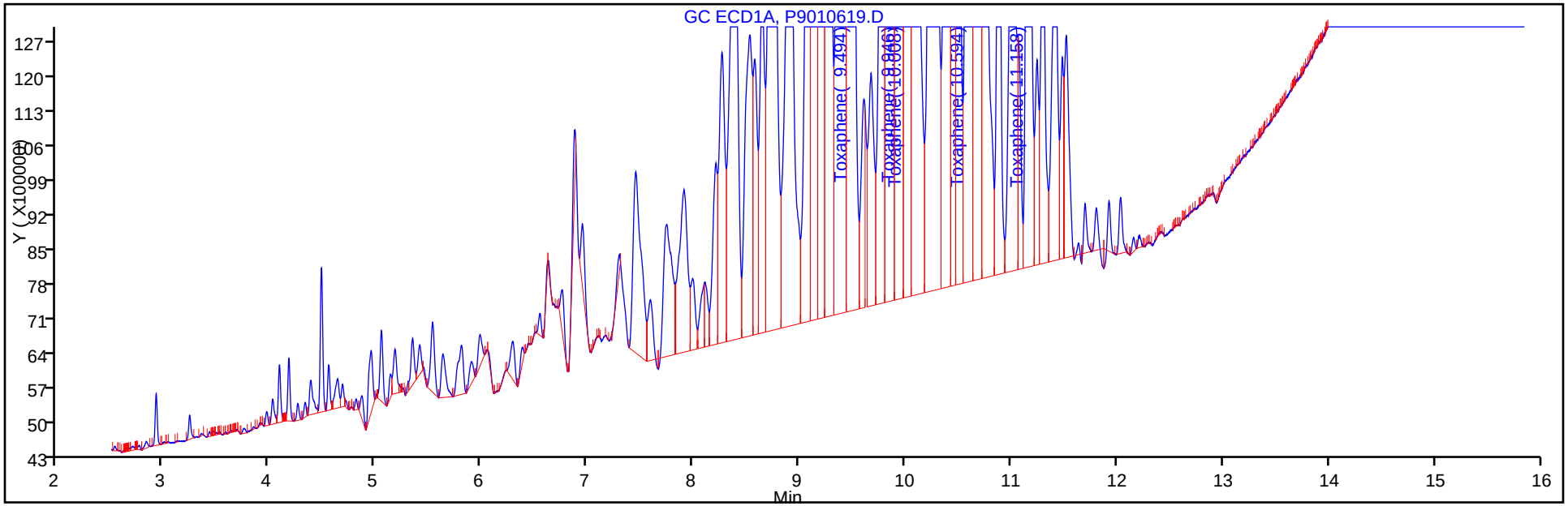
Report Date: 07-Jan-2013 07:09:50 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

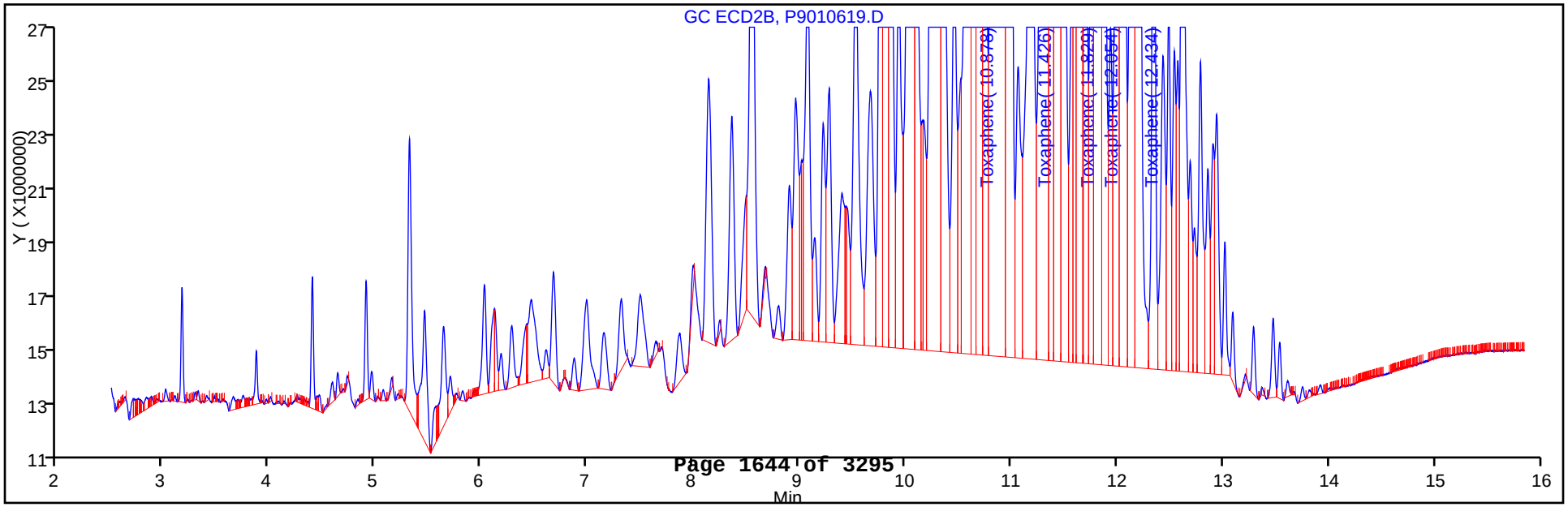
Data File: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010619.D

Injection Date:	06-Jan-2013 23:57:18	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71174	Lims Sample ID:	19
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



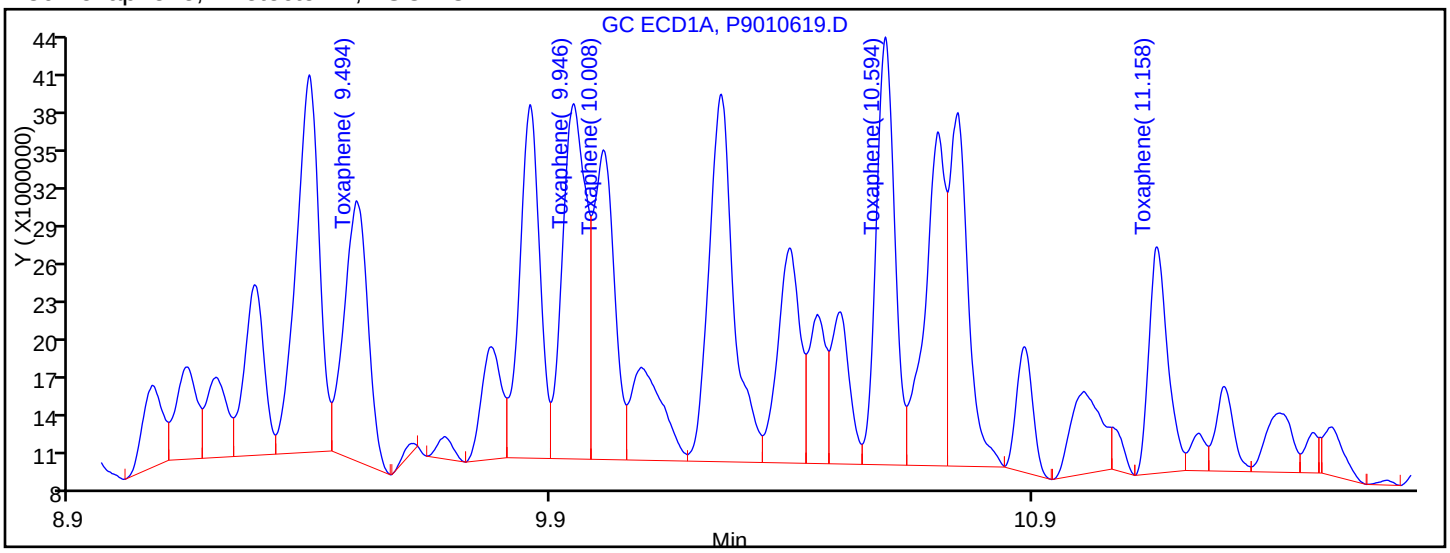
Report Date: 07-Jan-2013 07:09:51 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010619.D

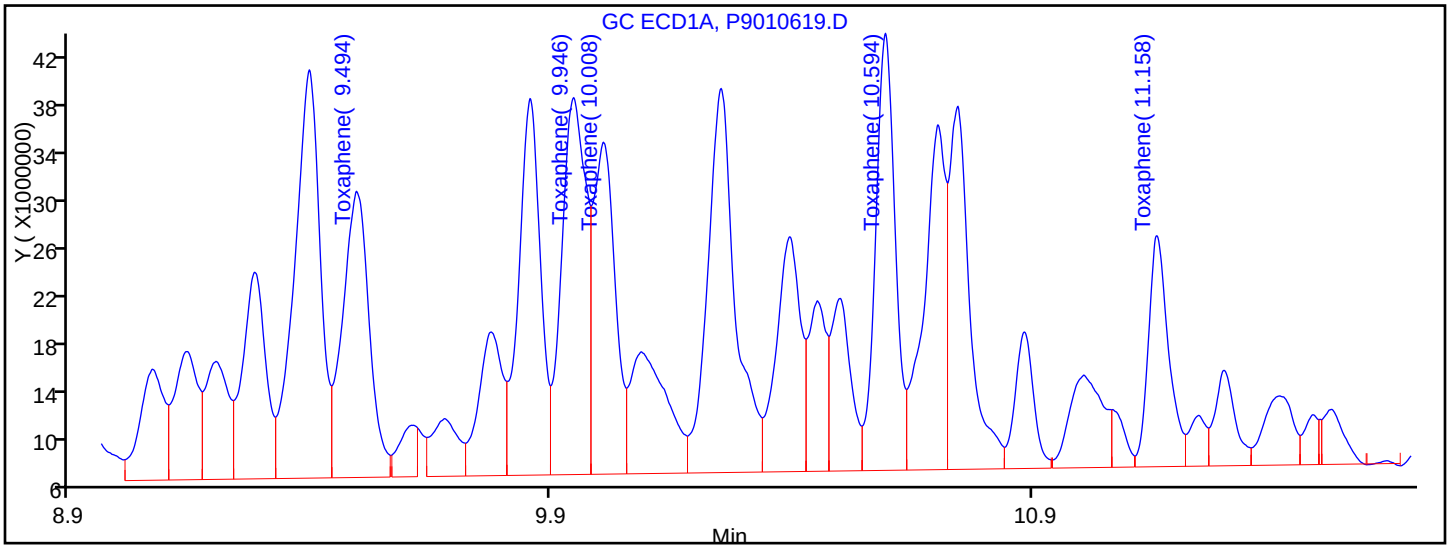
Injection Date:	06-Jan-2013 23:57:18	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71174	Lims Sample ID:	19
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 9.494	Response = 70888565	M
RT = 9.946	Response = 97113407	M
RT = 10.008	Response = 73893412	M
RT = 10.594	Response = 91018588	M
RT = 11.158	Response = 49047473	M



Manual Integration Results

RT = 9.494	Response = 90970851	M
RT = 9.946	Response = 111431124	M
RT = 10.008	Response = 86069270	M
RT = 10.594	Response = 102223295	M
RT = 11.158	Response = 55768175	M

Reviewer: vandorenc, 07-Jan-2013 06:56:06

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-71174/19 Calibration Date: 01/06/2013 23:57

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 13:58

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/06/2012 15:48

Lab File ID: P9010619.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	265485355	419177292		1.58	1.00	57.9*	20.0
Toxaphene Peak 2	Ave	165982849	174317401		1.05	1.00	5.0	20.0
Toxaphene Peak 3	Ave	171487862	150029052		0.875	1.00	-12.5	20.0
Toxaphene Peak 4	Ave	256795996	212445629		0.827	1.00	-17.3	20.0
Toxaphene Peak 5	Ave	122259762	35507583		0.290	1.00	-71.0*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-71174/19 Calibration Date: 01/06/2013 23:57

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 13:58

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/06/2012 15:48

Lab File ID: P9010619.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.88	10.85	10.91
Toxaphene Peak 2	11.43	11.40	11.46
Toxaphene Peak 3	11.83	11.80	11.86
Toxaphene Peak 4	12.05	12.02	12.08
Toxaphene Peak 5	12.43	12.40	12.46

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010619.D		
Lims ID:	CCV TOX3	Client ID:	
Inject. Date:	06-Jan-2013 23:57:18	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0016400-019		
Misc. Info.:			
Operator:	093905	Instrument ID:	A2HP9
Injection Vol:	1.0 ul	ALS Bottle#:	19
Lims Batch ID:	71174	Lims Sample ID:	19
Sublist:	chrom-PEST9*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP9\20130106-16400.b\PEST9.m		
Last Update:	07-Jan-2013 07:09:50	Calib Date:	22-Dec-2012 17:38:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK004		

First Level Reviewer: vandorenc Date: 07-Jan-2013 06:56:06

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.494	9.494	0.000	90970851	1.32		100.0	M
1	2	9.946	9.946	0.000	111431124	1.30	105.5- 145.5	122.5	M
1	3	10.008	10.008	0.000	86069270	1.17	90.3- 130.3	94.6	M
1	4	10.594	10.594	0.000	102223295	1.04	116.9- 156.9	112.4	M
1	5	11.158	11.158	0.000	55768175	0.8765	64.5- 104.5	61.3	M
			Average of Peak Amounts =			1.14			
2	100	10.878	10.878	0.000	419177292	1.58		100.0	
2	2	11.426	11.426	0.000	174317401	1.05	43.7- 83.7	41.6	
2	3	11.829	11.829	0.000	150029052	0.8749	45.7- 85.7	35.8	
2	4	12.054	12.054	0.000	212445629	0.8273	80.2- 120.2	50.7	
2	5	12.434	12.434	0.000	35507583	0.2904	28.1- 68.1	8.5	
			Average of Peak Amounts =			0.9243			
						RPD = 20.91			

QC Flag Legend

Review Flags
M - Manually Integrated

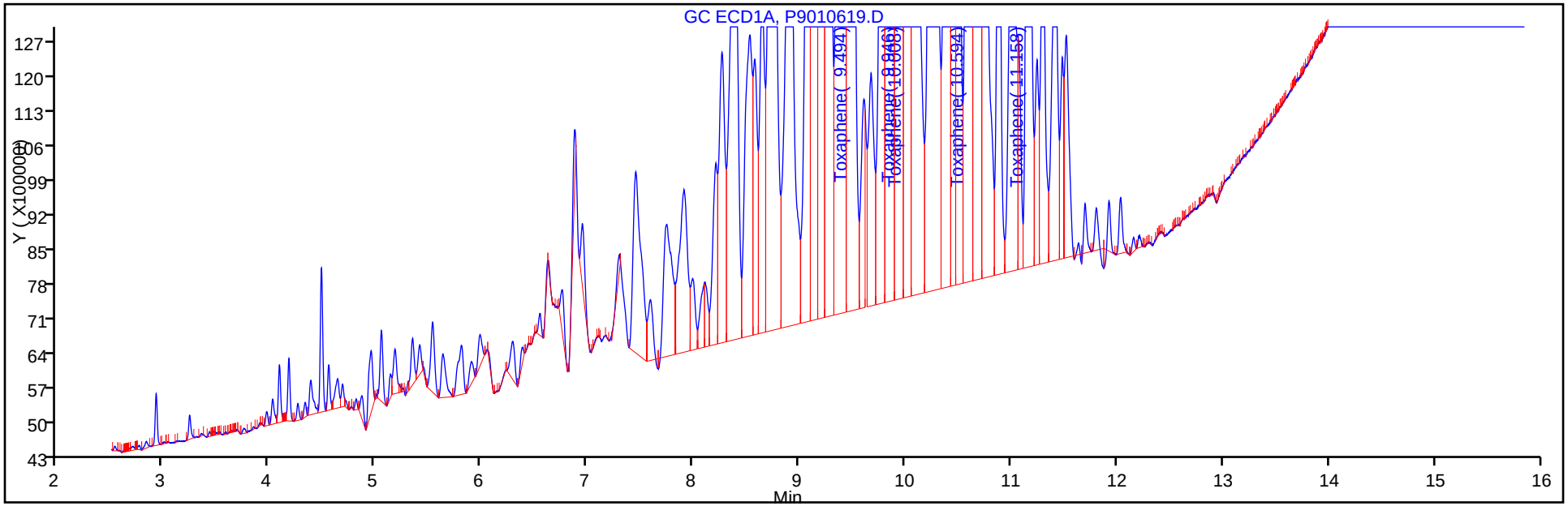
Report Date: 07-Jan-2013 07:09:51 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

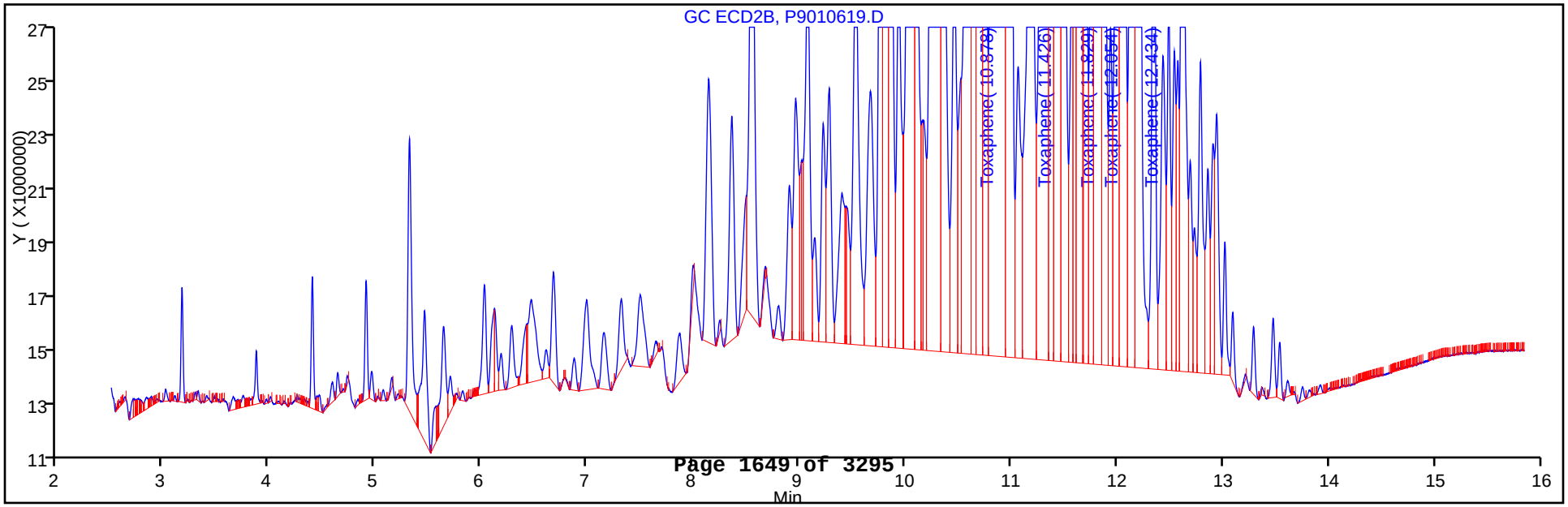
Data File: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010619.D

Injection Date:	06-Jan-2013 23:57:18	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71174	Lims Sample ID:	19
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-71174/20 Calibration Date: 01/07/2013 00:24

Instrument ID: A2HP9 Calib Start Date: 12/22/2012 13:11

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/22/2012 15:13

Lab File ID: P9010620.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	3809820948	3560689560		0.0234	0.0250	-6.5	20.0
gamma-BHC (Lindane)	Ave	3115561773	3063401000		0.0246	0.0250	-1.7	20.0
beta-BHC	Ave	1356797063	1426387400		0.0263	0.0250	5.1	20.0
delta-BHC	Ave	3375911380	1539715640		0.0114	0.0250	-54.4*	20.0
Heptachlor	Ave	2743824669	3203908920		0.0292	0.0250	16.8	20.0
Aldrin	Ave	3555606031	3630912800		0.0255	0.0250	2.1	20.0
Heptachlor epoxide	Ave	2721274567	3092913960		0.0284	0.0250	13.7	20.0
gamma-Chlordane	Ave	3063197814	3182390960		0.0260	0.0250	3.9	20.0
alpha-Chlordane	Ave	3157953329	3310519080		0.0262	0.0250	4.8	20.0
Endosulfan I	Ave	2558663944	2777331320		0.0271	0.0250	8.5	20.0
4,4'-DDE	Ave	3306510503	3580642880		0.0271	0.0250	8.3	20.0
Dieldrin	Ave	2654935053	3009948960		0.0283	0.0250	13.4	20.0
Endrin	Ave	2443787478	2875262760		0.0294	0.0250	17.7	20.0
4,4'-DDD	Ave	1890252848	1858874560		0.0246	0.0250	-1.7	20.0
Endosulfan II	Ave	2526594343	2547098240		0.0252	0.0250	0.8	20.0
4,4'-DDT	Ave	1877093720	1605154520		0.0214	0.0250	-14.5	20.0
Endrin aldehyde	Ave	1838690332	1880792920		0.0256	0.0250	2.3	20.0
Methoxychlor	Ave	877879613	925133280		0.0263	0.0250	5.4	20.0
Endosulfan sulfate	Ave	2238400517	1512023880		0.0169	0.0250	-32.5*	20.0
Endrin ketone	Ave	2341348883	1835972560		0.0196	0.0250	-21.6*	20.0
Tetrachloro-m-xylene	Ave	2718867034	2802564560		0.0258	0.0250	3.1	20.0
DCB Decachlorobiphenyl	Ave	2552750546	2475502320		0.0242	0.0250	-3.0	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-71174/20 Calibration Date: 01/07/2013 00:24

Instrument ID: A2HP9 Calib Start Date: 12/22/2012 13:11

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/22/2012 15:13

Lab File ID: P9010620.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.18	4.15	4.21
gamma-BHC (Lindane)	4.56	4.53	4.59
beta-BHC	4.69	4.66	4.72
delta-BHC	4.90	4.87	4.93
Heptachlor	5.18	5.15	5.22
Aldrin	5.63	5.60	5.66
Heptachlor epoxide	6.86	6.83	6.89
gamma-Chlordane	7.16	7.13	7.19
alpha-Chlordane	7.51	7.48	7.54
Endosulfan I	7.79	7.76	7.82
4,4'-DDE	7.90	7.87	7.93
Dieldrin	8.36	8.33	8.39
Endrin	8.82	8.79	8.85
4,4'-DDD	9.18	9.15	9.21
Endosulfan II	9.27	9.24	9.30
4,4'-DDT	9.70	9.67	9.73
Endrin aldehyde	10.07	10.04	10.10
Methoxychlor	10.66	10.63	10.69
Endosulfan sulfate	10.79	10.76	10.82
Endrin ketone	11.19	11.16	11.22
Tetrachloro-m-xylene	3.50	3.47	3.53
DCB Decachlorobiphenyl	12.80	12.77	12.83

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010620.D
Lims ID: CCV AB3 Client ID:
Inject. Date: 07-Jan-2013 00:24:51 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016400-020
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 20
Lims Batch ID: 71174 Lims Sample ID: 20
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\PEST9.m
Last Update: 07-Jan-2013 07:09:53 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK004

First Level Reviewer: vandorenc Date: 07-Jan-2013 07:02:03

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.498	3.498	0.000	70064114	0.0258			
2	100	4.084	4.084	0.000	211241910	0.0241			
						RPD = 6.81			
5 alpha-BHC									
1	100	4.179	4.179	0.000	89017239	0.0234			
2	100	4.907	4.907	0.000	282919935	0.0215			
						RPD = 8.45			
20 gamma-BHC (Lindane)									
1	100	4.556	4.556	0.000	76585025	0.0246			
2	100	5.460	5.460	0.000	241572118	0.0232			
						RPD = 5.96			
7 beta-BHC									
1	100	4.688	4.688	0.000	35659685	0.0263			
2	100	5.636	5.636	0.000	111222463	0.0255			
						RPD = 3.04			
11 delta-BHC									
1	100	4.901	4.901	0.000	38492891	0.0114			
2	100	6.184	6.184	0.000	118363186	0.0109			
						RPD = 4.46			
22 Heptachlor									
1	100	5.180	5.180	0.000	80097723	0.0292			
2	100	6.281	6.281	0.000	247874430	0.0282			
						RPD = 3.62			
4 Aldrin									
1	100	5.631	5.631	0.000	90772820	0.0255			
2	100	6.994	6.994	0.000	260987832	0.0245			
						RPD = 3.93			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.856	6.856	0.000	77322849	0.0284			
2	100	8.482	8.482	0.000	221874626	0.0266			
						RPD = 6.63			
21 gamma-Chlordane									
1	100	7.162	7.162	0.000	79559774	0.0260			
2	100	8.911	8.911	0.000	223695528	0.0250			
						RPD = 3.63			
6 alpha-Chlordane									
1	100	7.513	7.513	0.000	82762977	0.0262			
2	100	9.223	9.223	0.000	217112869	0.0245			
						RPD = 6.59			
14 Endosulfan I									
1	100	7.791	7.791	0.000	69433283	0.0271			
2	100	9.284	9.284	0.000	183268741	0.0257			
						RPD = 5.47			
2 4,4'-DDE									
1	100	7.896	7.896	0.000	89516072	0.0271			
2	100	9.686	9.686	0.000	225004156	0.0260			
						RPD = 3.94			
13 Dieldrin									
1	100	8.357	8.357	0.000	75248724	0.0283			
2	100	9.821	9.821	0.000	205548738	0.0259			
						RPD = 8.94			
17 Endrin									
1	100	8.818	8.818	0.000	71881569	0.0294			
2	100	10.343	10.343	0.000	185590161	0.0263			
						RPD = 11.00			
1 4,4'-DDD									M
1	100	9.183	9.183	0.000	46471864	0.0246			M
2	100	10.718	10.718	0.000	284012535	0.0229			
						RPD = 6.97			
15 Endosulfan II									
1	100	9.268	9.268	0.000	63677456	0.0252			
2	100	10.718	10.718	0.000	284012535	0.0229			
						RPD = 9.45			
3 4,4'-DDT									
1	100	9.704	9.704	0.000	40128863	0.0214			
2	100	11.203	11.203	0.000	89610655	0.0192			
						RPD = 10.70			
18 Endrin aldehyde									
1	100	10.068	10.068	0.000	47019823	0.0256			
2	100	11.291	11.291	0.000	105348900	0.0201			
						RPD = 24.16			
27 Methoxychlor									
1	100	10.656	10.656	0.000	23128332	0.0263			
2	100	12.281	12.281	0.000	55629625	0.0241			
						RPD = 8.99			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.786	10.786	0.000	37800597	0.0169			
2	100	11.723	11.723	0.000	92772559	0.0146			
						RPD = 14.53			
19 Endrin ketone									
1	100	11.187	11.187	0.000	45899314	0.0196			
2	100	12.459	12.459	0.000	104046381	0.0166			
						RPD = 16.37			
$ 10 DCB Decachlorobiphenyl									
1	100	12.798	12.798	0.000	61887558	0.0242			
2	100	14.238	14.238	0.000	148936323	0.0219			
						RPD = 10.04			

QC Flag Legend

Review Flags
M - Manually Integrated

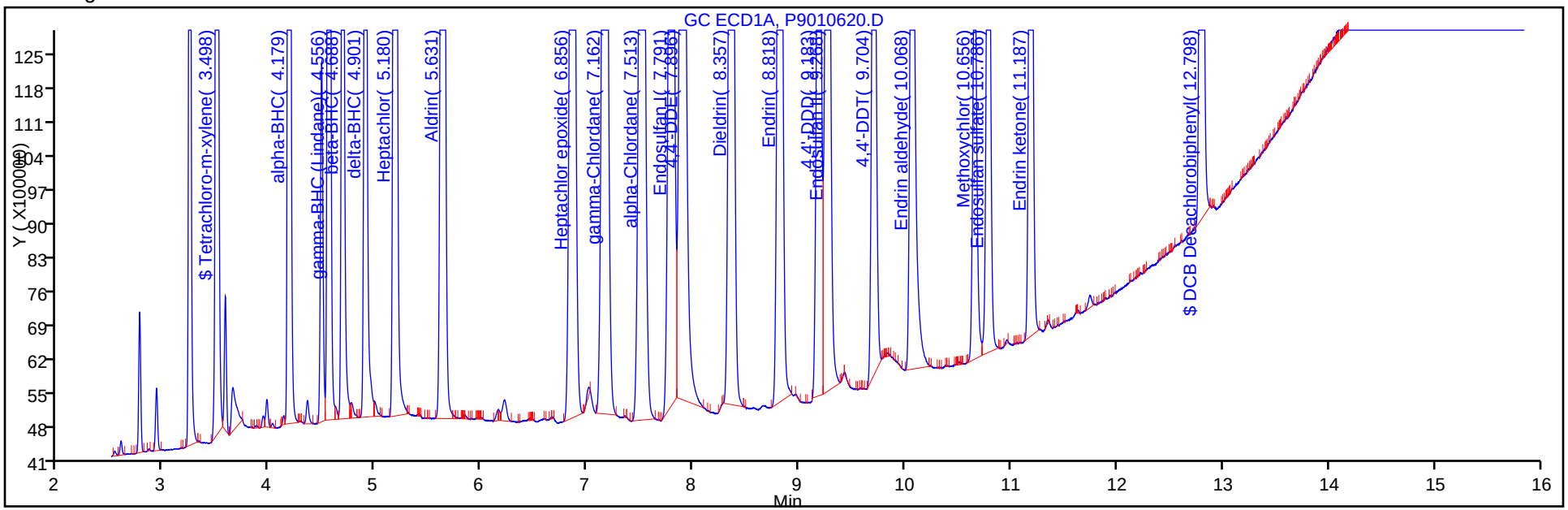
Report Date: 07-Jan-2013 07:09:53 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

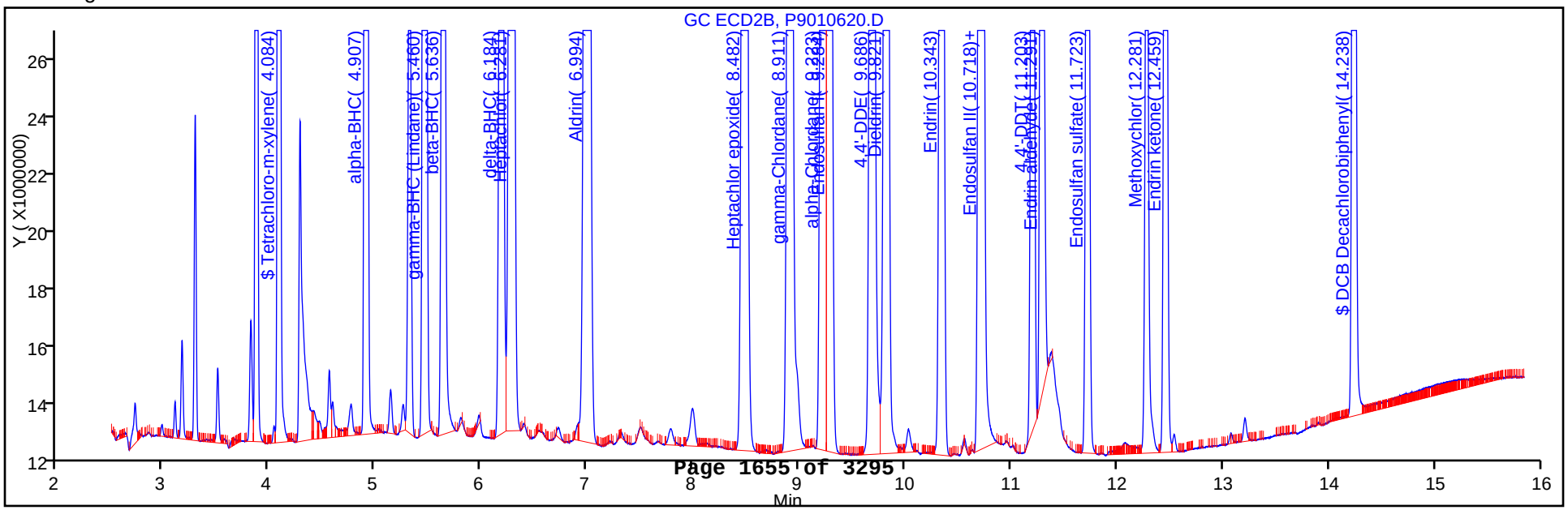
Data File: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010620.D

Injection Date:	07-Jan-2013 00:24:51	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71174	Lims Sample ID:	20
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

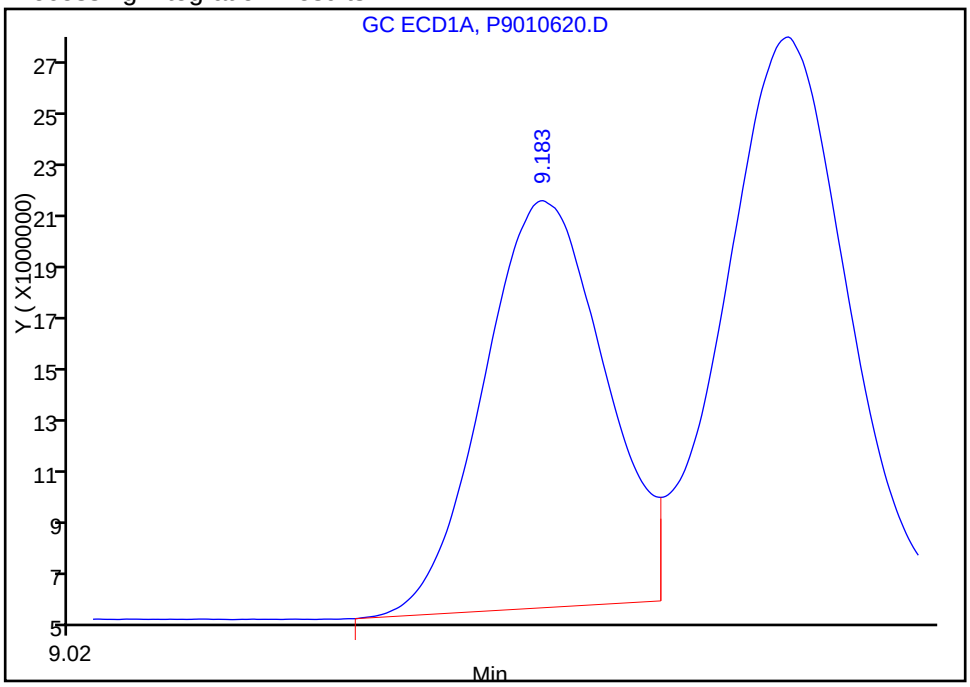
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010620.D		
Injection Date:	07-Jan-2013 00:24:51	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71174	Lims Sample ID:	20
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

1 4,4'-DDD, Signal: 1, Type: quant, RT: 9.18, Det: GC ECD1A

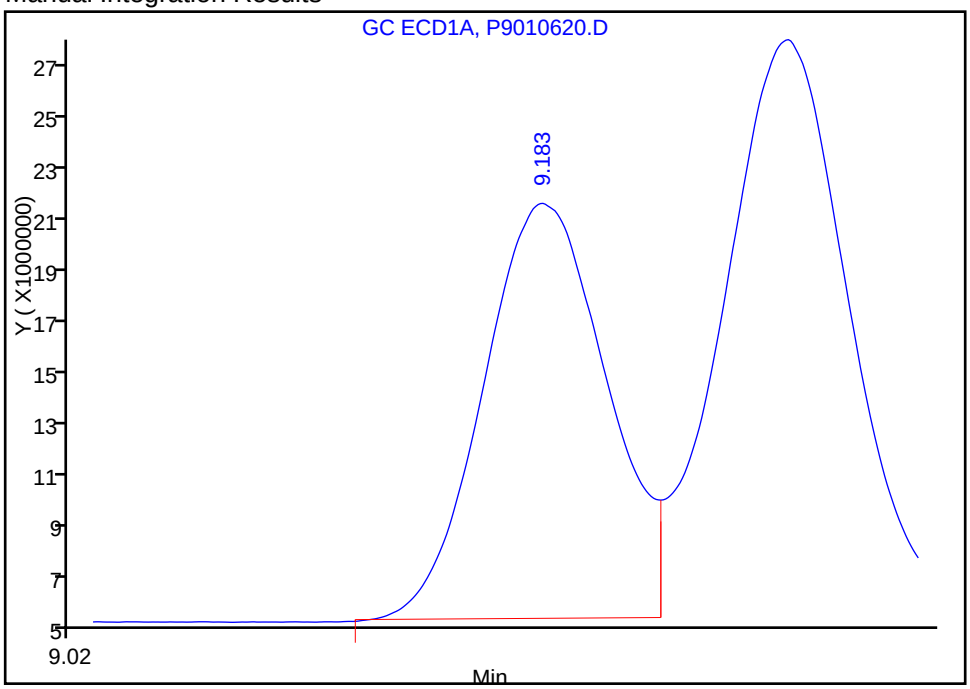
Processing Integration Results

RT: 9.18
Response: 45015266
Amount: 0.023814



Manual Integration Results

RT: 9.18
Response: 46471864
Amount: 0.024585



Reviewer: vandorenc, 07-Jan-2013 07:02:03
Audit Action: Assigned New Baseline
Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-71174/20 Calibration Date: 01/07/2013 00:24

Instrument ID: A2HP9 Calib Start Date: 12/22/2012 13:11

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/22/2012 15:13

Lab File ID: P9010620.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	13177110828	11316797400		0.0215	0.0250	-14.1	20.0
gamma-BHC (Lindane)	Ave	10430817708	9662884720		0.0232	0.0250	-7.4	20.0
beta-BHC	Ave	4362472019	4448898520		0.0255	0.0250	2.0	20.0
delta-BHC	Ave	10854717199	4734527440		0.0109	0.0250	-56.4*	20.0
Heptachlor	Ave	8804394038	9914977200		0.0282	0.0250	12.6	20.0
Aldrin	Ave	10632857867	10439513280		0.0245	0.0250	-1.8	20.0
Heptachlor epoxide	Ave	8343678396	8874985040		0.0266	0.0250	6.4	20.0
gamma-Chlordane	Ave	8931440033	8947821120		0.0250	0.0250	0.2	20.0
alpha-Chlordane	Ave	8848756132	8684514760		0.0245	0.0250	-1.9	20.0
Endosulfan I	Ave	7133143283	7330749640		0.0257	0.0250	2.8	20.0
4,4'-DDE	Ave	8644997313	9000166240		0.0260	0.0250	4.1	20.0
Dieldrin	Ave	7930499061	8221949520		0.0259	0.0250	3.7	20.0
Endrin	Ave	7044330525	7423606440		0.0263	0.0250	5.4	20.0
4,4'-DDD	Ave	12386945794	11360501400		0.0229	0.0250	-8.3	20.0
Endosulfan II	Ave	12386945794	11360501400		0.0229	0.0250	-8.3	20.0
4,4'-DDT	Ave	4665523587	3584426200		0.0192	0.0250	-23.2*	20.0
Endrin aldehyde	Ave	5251792496	4213956000		0.0201	0.0250	-19.8	20.0
Endosulfan sulfate	Ave	6354273613	3710902360		0.0146	0.0250	-41.6*	20.0
Methoxychlor	Ave	2310305654	2225185000		0.0241	0.0250	-3.7	20.0
Endrin ketone	Ave	6253762508	4161855240		0.0166	0.0250	-33.5*	20.0
Tetrachloro-m-xylene	Ave	8775463387	8449676400		0.0241	0.0250	-3.7	20.0
DCB Decachlorobiphenyl	Ave	6793039666	5957452920		0.0219	0.0250	-12.3	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-71174/20 Calibration Date: 01/07/2013 00:24

Instrument ID: A2HP9 Calib Start Date: 12/22/2012 13:11

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/22/2012 15:13

Lab File ID: P9010620.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.91	4.88	4.94
gamma-BHC (Lindane)	5.46	5.43	5.49
beta-BHC	5.64	5.61	5.67
delta-BHC	6.18	6.15	6.21
Heptachlor	6.28	6.25	6.32
Aldrin	6.99	6.96	7.02
Heptachlor epoxide	8.48	8.45	8.51
gamma-Chlordane	8.91	8.88	8.94
alpha-Chlordane	9.22	9.19	9.25
Endosulfan I	9.28	9.25	9.31
4,4'-DDE	9.69	9.66	9.72
Dieldrin	9.82	9.79	9.85
Endrin	10.34	10.31	10.37
4,4'-DDD	10.72	10.69	10.75
Endosulfan II	10.72	10.69	10.75
4,4'-DDT	11.20	11.17	11.23
Endrin aldehyde	11.29	11.26	11.32
Endosulfan sulfate	11.72	11.69	11.75
Methoxychlor	12.28	12.25	12.31
Endrin ketone	12.46	12.43	12.49
Tetrachloro-m-xylene	4.08	4.05	4.11
DCB Decachlorobiphenyl	14.24	14.21	14.27

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010620.D
Lims ID: CCV AB3 Client ID:
Inject. Date: 07-Jan-2013 00:24:51 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016400-020
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 20
Lims Batch ID: 71174 Lims Sample ID: 20
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\PEST9.m
Last Update: 07-Jan-2013 07:09:53 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK004

First Level Reviewer: vandorenc Date: 07-Jan-2013 07:02:03

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.498	3.498	0.000	70064114	0.0258			
2	100	4.084	4.084	0.000	211241910	0.0241			
						RPD = 6.81			
5 alpha-BHC									
1	100	4.179	4.179	0.000	89017239	0.0234			
2	100	4.907	4.907	0.000	282919935	0.0215			
						RPD = 8.45			
20 gamma-BHC (Lindane)									
1	100	4.556	4.556	0.000	76585025	0.0246			
2	100	5.460	5.460	0.000	241572118	0.0232			
						RPD = 5.96			
7 beta-BHC									
1	100	4.688	4.688	0.000	35659685	0.0263			
2	100	5.636	5.636	0.000	111222463	0.0255			
						RPD = 3.04			
11 delta-BHC									
1	100	4.901	4.901	0.000	38492891	0.0114			
2	100	6.184	6.184	0.000	118363186	0.0109			
						RPD = 4.46			
22 Heptachlor									
1	100	5.180	5.180	0.000	80097723	0.0292			
2	100	6.281	6.281	0.000	247874430	0.0282			
						RPD = 3.62			
4 Aldrin									
1	100	5.631	5.631	0.000	90772820	0.0255			
2	100	6.994	6.994	0.000	260987832	0.0245			
						RPD = 3.93			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.856	6.856	0.000	77322849	0.0284			
2	100	8.482	8.482	0.000	221874626	0.0266			
						RPD = 6.63			
21 gamma-Chlordane									
1	100	7.162	7.162	0.000	79559774	0.0260			
2	100	8.911	8.911	0.000	223695528	0.0250			
						RPD = 3.63			
6 alpha-Chlordane									
1	100	7.513	7.513	0.000	82762977	0.0262			
2	100	9.223	9.223	0.000	217112869	0.0245			
						RPD = 6.59			
14 Endosulfan I									
1	100	7.791	7.791	0.000	69433283	0.0271			
2	100	9.284	9.284	0.000	183268741	0.0257			
						RPD = 5.47			
2 4,4'-DDE									
1	100	7.896	7.896	0.000	89516072	0.0271			
2	100	9.686	9.686	0.000	225004156	0.0260			
						RPD = 3.94			
13 Dieldrin									
1	100	8.357	8.357	0.000	75248724	0.0283			
2	100	9.821	9.821	0.000	205548738	0.0259			
						RPD = 8.94			
17 Endrin									
1	100	8.818	8.818	0.000	71881569	0.0294			
2	100	10.343	10.343	0.000	185590161	0.0263			
						RPD = 11.00			
1 4,4'-DDD									M
1	100	9.183	9.183	0.000	46471864	0.0246			M
2	100	10.718	10.718	0.000	284012535	0.0229			
						RPD = 6.97			
15 Endosulfan II									
1	100	9.268	9.268	0.000	63677456	0.0252			
2	100	10.718	10.718	0.000	284012535	0.0229			
						RPD = 9.45			
3 4,4'-DDT									
1	100	9.704	9.704	0.000	40128863	0.0214			
2	100	11.203	11.203	0.000	89610655	0.0192			
						RPD = 10.70			
18 Endrin aldehyde									
1	100	10.068	10.068	0.000	47019823	0.0256			
2	100	11.291	11.291	0.000	105348900	0.0201			
						RPD = 24.16			
27 Methoxychlor									
1	100	10.656	10.656	0.000	23128332	0.0263			
2	100	12.281	12.281	0.000	55629625	0.0241			
						RPD = 8.99			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.786	10.786	0.000	37800597	0.0169			
2	100	11.723	11.723	0.000	92772559	0.0146			
						RPD = 14.53			
19 Endrin ketone									
1	100	11.187	11.187	0.000	45899314	0.0196			
2	100	12.459	12.459	0.000	104046381	0.0166			
						RPD = 16.37			
$ 10 DCB Decachlorobiphenyl									
1	100	12.798	12.798	0.000	61887558	0.0242			
2	100	14.238	14.238	0.000	148936323	0.0219			
						RPD = 10.04			

QC Flag Legend

Review Flags
M - Manually Integrated

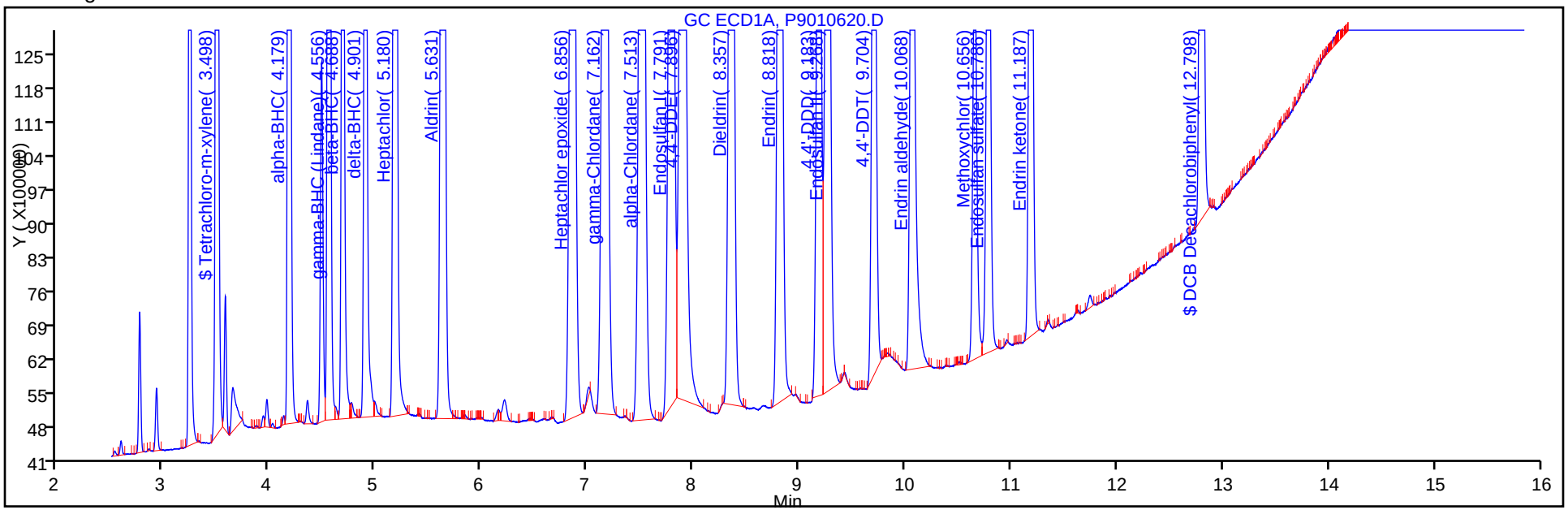
Report Date: 07-Jan-2013 07:09:54 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

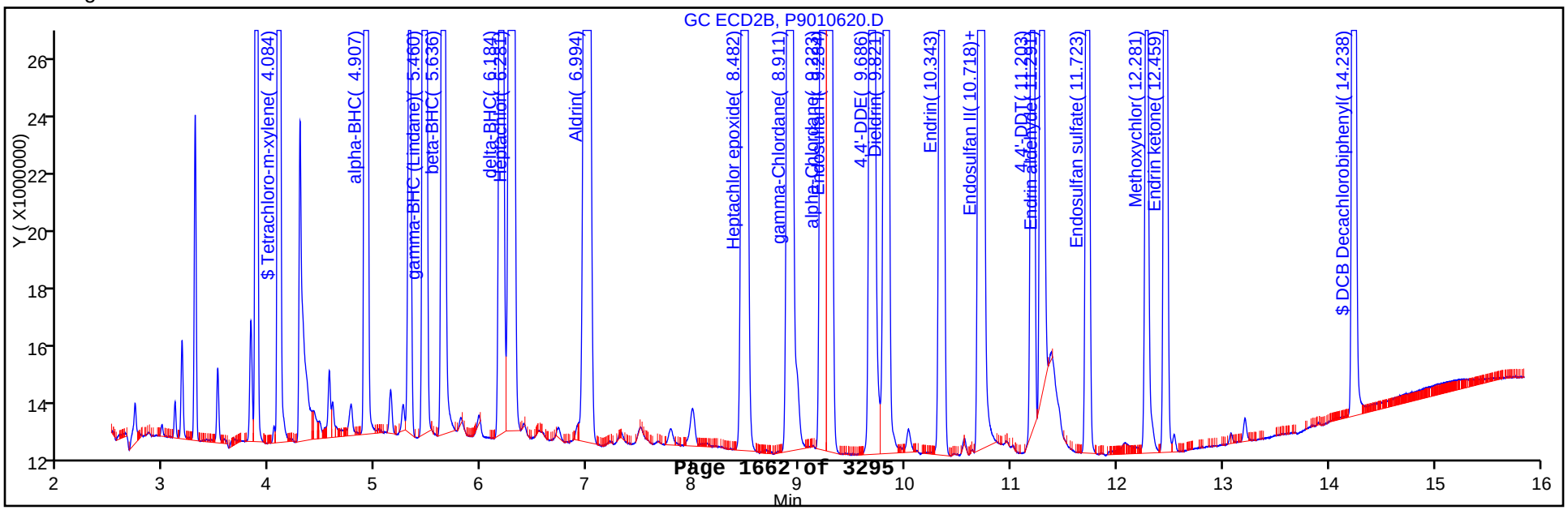
Data File: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010620.D

Injection Date:	07-Jan-2013 00:24:51	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71174	Lims Sample ID:	20
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-71174/22 Calibration Date: 01/07/2013 01:19

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 16:43

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/06/2012 18:34

Lab File ID: P9010622.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlordane (technical) Peak 1	Ave	129175756	149248880		0.116	0.100	15.5	20.0
Chlordane (technical) Peak 2	Ave	117593671	133910730		0.114	0.100	13.9	20.0
Chlordane (technical) Peak 3	Ave	386374303	458671100		0.119	0.100	18.7	20.0
Chlordane (technical) Peak 4	Ave	603179595	718800550		0.119	0.100	19.2	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-71174/22 Calibration Date: 01/07/2013 01:19

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 16:43

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/06/2012 18:34

Lab File ID: P9010622.D

Analyte	RT	RT WINDOW	
		FROM	TO
Chlordane (technical) Peak 1	5.07	5.04	5.10
Chlordane (technical) Peak 2	5.92	5.89	5.95
Chlordane (technical) Peak 3	7.16	7.13	7.19
Chlordane (technical) Peak 4	7.51	7.48	7.54

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010622.D
Lims ID: CCV TC3 Client ID:
Inject. Date: 07-Jan-2013 01:19:50 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016400-022
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 22
Lims Batch ID: 71174 Lims Sample ID: 22
Sublist: chrom-PEST9*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\PEST9.m
Last Update: 07-Jan-2013 07:09:56 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK004

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									
1	100	5.068	5.068	0.000	14924888	0.1155		100.0	
1	2	5.921	5.921	0.000	13391073	0.1139	68.4- 108.4	89.7	
1	3	7.161	7.161	0.000	45867110	0.1187	289.4- 329.4	307.3	
1	4	7.507	7.507	0.000	71880055	0.1192	465.8- 505.8	481.6	
			Average of Peak Amounts =			0.1168			
2	100	5.988	5.988	0.000	48263239	0.0980		100.0	
2	2	7.485	7.485	0.000	45444385	0.1494	8.4- 48.4	94.2	
2	3	8.909	8.909	0.000	115382558	0.1277	101.3- 141.3	239.1	
2	4	9.222	9.222	0.000	102473860	0.1264	72.8- 112.8	212.3	
			Average of Peak Amounts =			0.1254			
						RPD = 7.06			

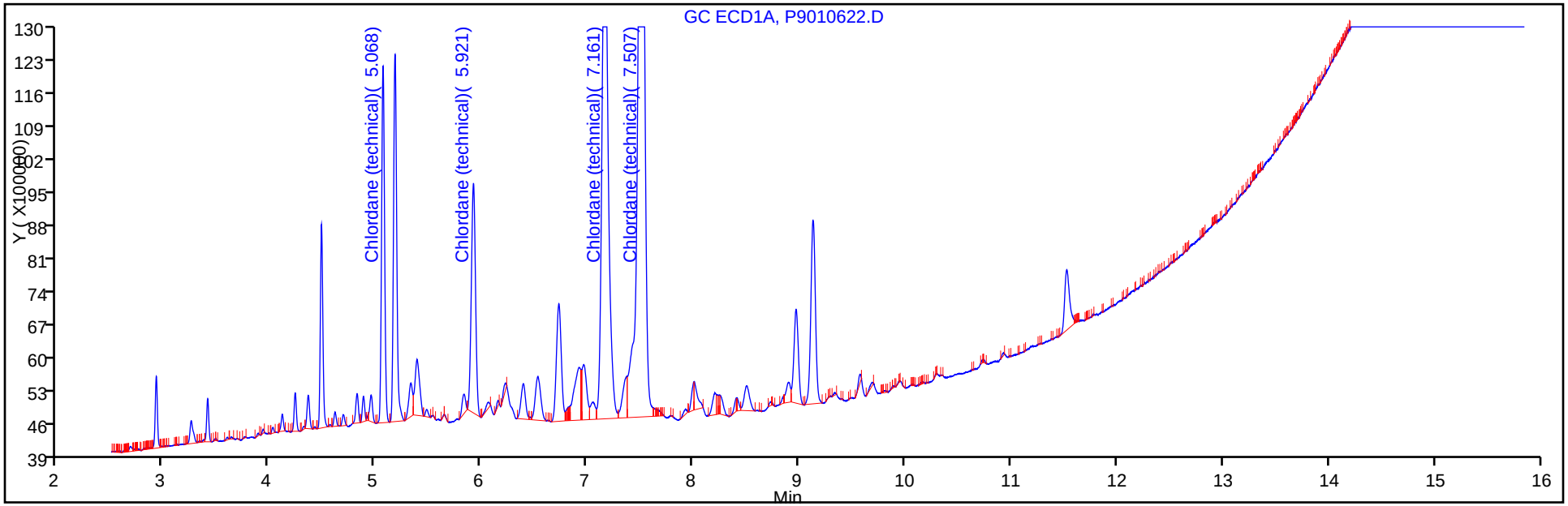
Report Date: 07-Jan-2013 07:09:56 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

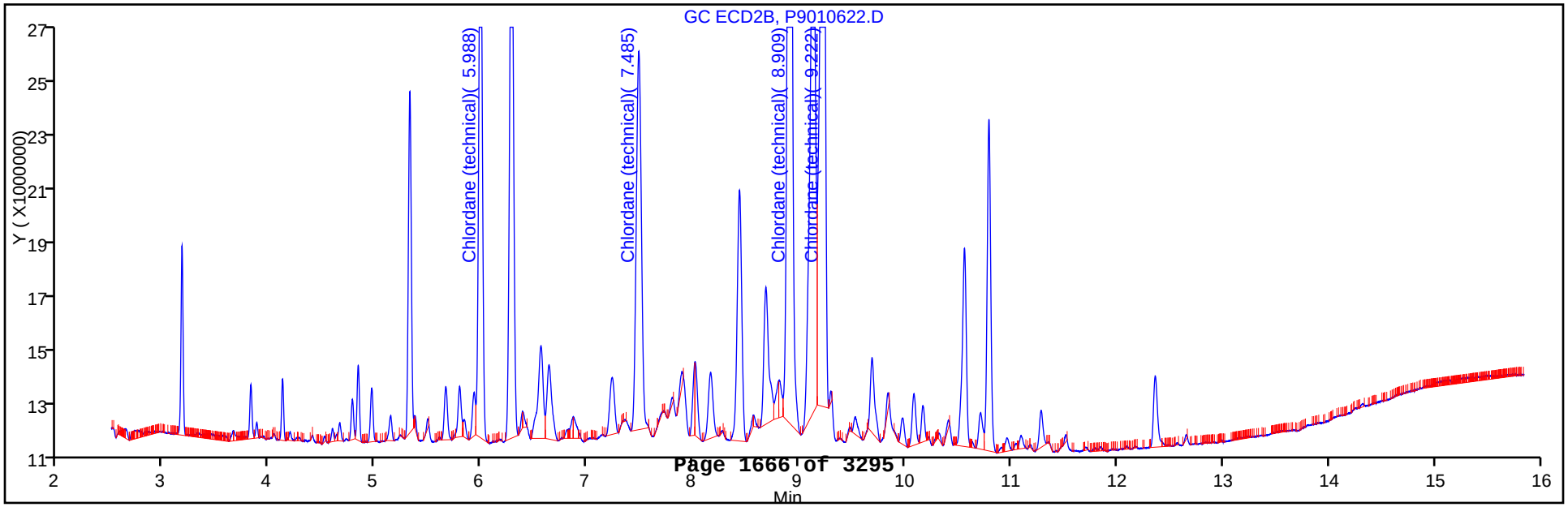
Data File: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010622.D

Injection Date:	07-Jan-2013 01:19:50	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71174	Lims Sample ID:	22
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-71174/22 Calibration Date: 01/07/2013 01:19

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 16:43

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/06/2012 18:34

Lab File ID: P9010622.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlordane (technical) Peak 1	Ave	492705439	482632390		0.0980	0.100	-2.0	20.0
Chlordane (technical) Peak 2	Ave	304182988	454443850		0.149	0.100	49.4*	20.0
Chlordane (technical) Peak 3	Ave	903671005	1153825580		0.128	0.100	27.7*	20.0
Chlordane (technical) Peak 4	Ave	810442430	1024738600		0.126	0.100	26.4*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-71174/22 Calibration Date: 01/07/2013 01:19

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 16:43

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/06/2012 18:34

Lab File ID: P9010622.D

Analyte	RT	RT WINDOW	
		FROM	TO
Chlordane (technical) Peak 1	5.99	5.96	6.02
Chlordane (technical) Peak 2	7.49	7.46	7.52
Chlordane (technical) Peak 3	8.91	8.88	8.94
Chlordane (technical) Peak 4	9.22	9.19	9.25

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010622.D
Lims ID: CCV TC3 Client ID:
Inject. Date: 07-Jan-2013 01:19:50 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016400-022
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 22
Lims Batch ID: 71174 Lims Sample ID: 22
Sublist: chrom-PEST9*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\PEST9.m
Last Update: 07-Jan-2013 07:09:56 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK004

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									
1	100	5.068	5.068	0.000	14924888	0.1155		100.0	
1	2	5.921	5.921	0.000	13391073	0.1139	68.4- 108.4	89.7	
1	3	7.161	7.161	0.000	45867110	0.1187	289.4- 329.4	307.3	
1	4	7.507	7.507	0.000	71880055	0.1192	465.8- 505.8	481.6	
			Average of Peak Amounts =			0.1168			
2	100	5.988	5.988	0.000	48263239	0.0980		100.0	
2	2	7.485	7.485	0.000	45444385	0.1494	8.4- 48.4	94.2	
2	3	8.909	8.909	0.000	115382558	0.1277	101.3- 141.3	239.1	
2	4	9.222	9.222	0.000	102473860	0.1264	72.8- 112.8	212.3	
			Average of Peak Amounts =			0.1254			
						RPD = 7.06			

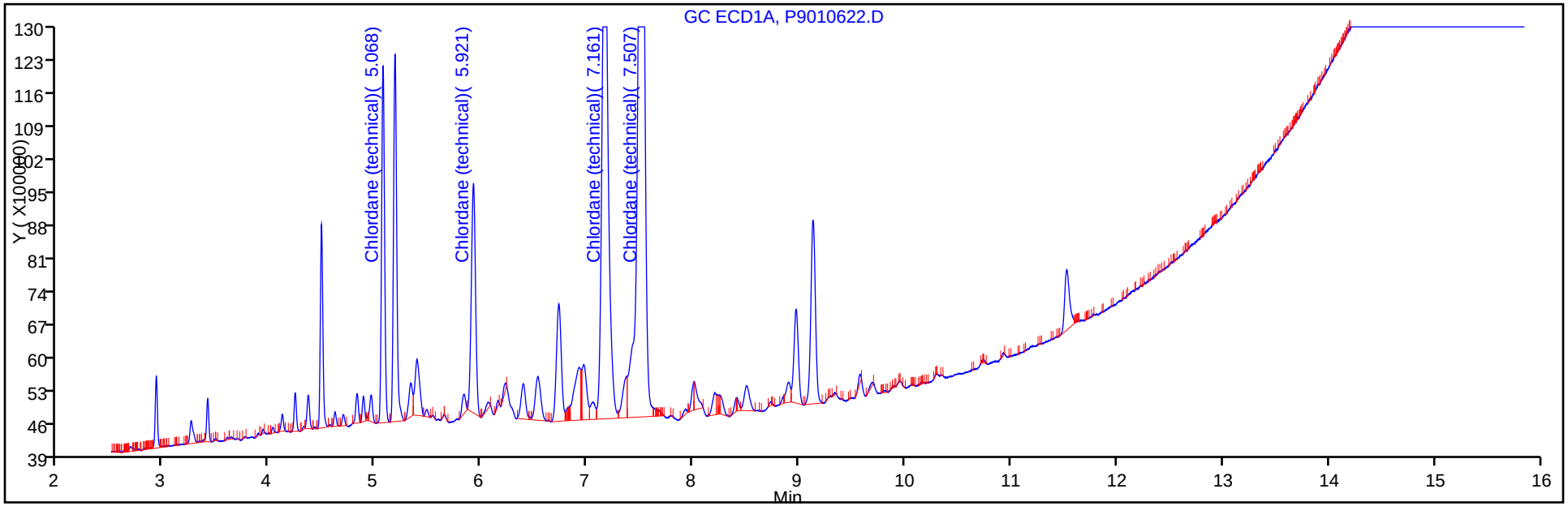
Report Date: 07-Jan-2013 07:09:56 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

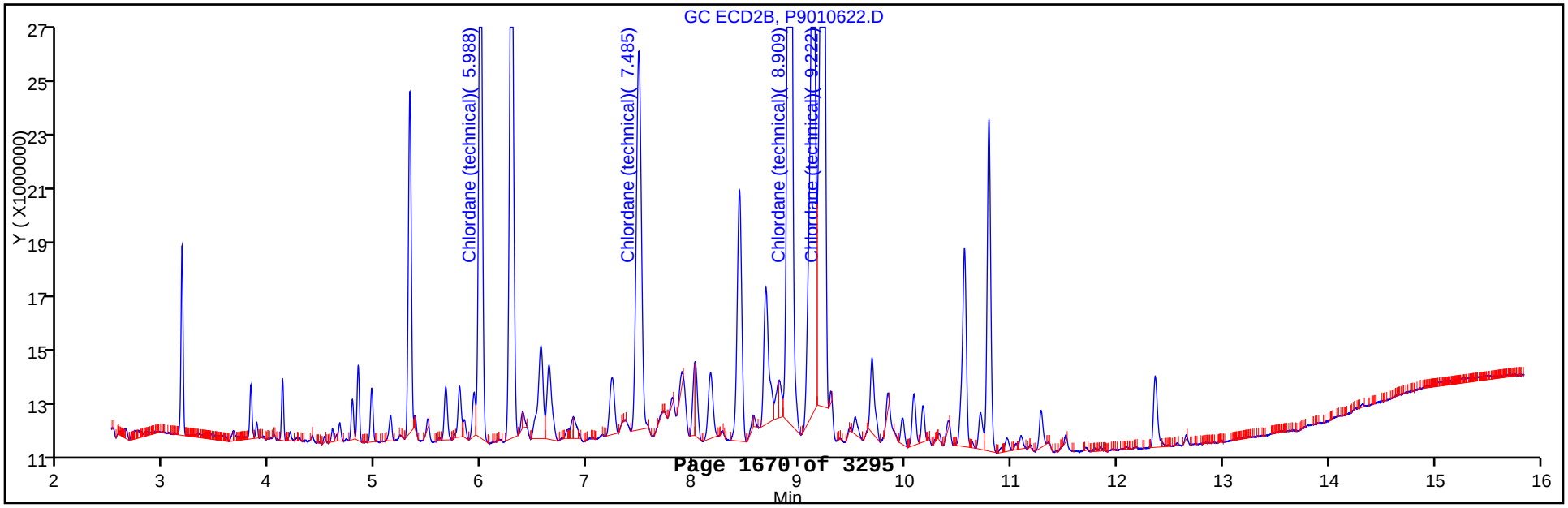
Data File: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010622.D

Injection Date:	07-Jan-2013 01:19:50	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71174	Lims Sample ID:	22
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-68554/4-A

Matrix: Water | Lab File ID: P9121813.D

Analysis Method: 8081/DOD | Date Collected:

Extraction Method: 3520C | Date Extracted: 12/13/2012 11:40

Sample wt/vol: 1000(mL) | Date Analyzed: 12/18/2012 14:09

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69152 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.010	U	0.050	0.010	0.0096
72-55-9	4,4'-DDE	0.010	U	0.050	0.010	0.0097
50-29-3	4,4'-DDT	0.030	U	0.050	0.030	0.016
309-00-2	Aldrin	0.010	U	0.050	0.010	0.0082
319-84-6	alpha-BHC	0.010	U	0.050	0.010	0.0070
5103-71-9	alpha-Chlordane	0.014	U	0.050	0.014	0.014
319-85-7	beta-BHC	0.010	U	0.050	0.010	0.0084
319-86-8	delta-BHC	0.010	U	0.050	0.010	0.0087
60-57-1	Dieldrin	0.010	U	0.050	0.010	0.0075
959-98-8	Endosulfan I	0.013	U	0.050	0.013	0.013
33213-65-9	Endosulfan II	0.012	U	0.050	0.012	0.012
1031-07-8	Endosulfan sulfate	0.011	U	0.050	0.011	0.011
72-20-8	Endrin	0.011	U	0.050	0.011	0.011
7421-93-4	Endrin aldehyde	0.011	U	0.050	0.011	0.011
53494-70-5	Endrin ketone	0.010	U	0.050	0.010	0.0078
58-89-9	gamma-BHC (Lindane)	0.010	U	0.050	0.010	0.0064
5103-74-2	gamma-Chlordane	0.012	U	0.050	0.012	0.012
76-44-8	Heptachlor	0.010	U	0.050	0.010	0.0080
1024-57-3	Heptachlor epoxide	0.010	U	0.050	0.010	0.0071
72-43-5	Methoxychlor	0.032	U	0.10	0.032	0.032
8001-35-2	Toxaphene	0.50	U	2.0	0.50	0.32

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	77		30-135
877-09-8	Tetrachloro-m-xylene	82		25-140

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\P9121813.D
Lims ID: MB 240-68554/4-A Client ID:
Inject. Date: 18-Dec-2012 14:09:31 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0015955-013
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 13
Lims Batch ID: 69152 Lims Sample ID: 13
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\PEST9.m
Last Update: 19-Dec-2012 12:50:05 Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK024

First Level Reviewer: vandorenc Date: 19-Dec-2012 12:41:30

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.501	3.500	0.001	84824353	0.0327			
2	100	4.092	4.091	0.001	238203173	0.0308			
						RPD = 5.99			
12 Diallate									
1	100		4.009						
1	2		4.188						
2	100		4.664						
2	2		4.769						
24 Hexachlorobenzene									
1	100		4.012						
2	100		4.758						
5 alpha-BHC									
1	100		4.183						
2	100		4.917						
20 gamma-BHC (Lindane)									
1	100		4.559						
2	100		5.472						
7 beta-BHC									
1	100		4.691						
2	100		5.649						
11 delta-BHC									
1	100		4.904						
2	100		6.198						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									
1	100		5.072						
1	2		5.927						
1	3		7.169						
1	4		7.517						
2	100		6.001						
2	2		7.502						
2	3		8.925						
2	4		9.240						
22 Heptachlor									
1	100		5.186						
2	100		6.296						
4 Aldrin									
1	100		5.636						
2	100		7.012						
25 Isodrin									
1	100		6.304						
2	100		8.124						
23 Heptachlor epoxide									
1	100		6.865						
2	100		8.499						
21 gamma-Chlordane									
1	100		7.170						
2	100		8.926						
6 alpha-Chlordane									
1	100		7.520						
2	100		9.239						
14 Endosulfan I									
1	100		7.800						
2	100		9.298						
2 4,4'-DDE									
1	100		7.902						
2	100		9.698						
13 Dieldrin									
1	100		8.366						
2	100		9.835						
17 Endrin									
1	100		8.824						
2	100		10.357						
26 Kepone									
1	100		9.002						
2	100		10.667						
1 4,4'-DDD									
1	100		9.185						
2	100		10.728						
9 Chlorobenzilate									
1	100		9.231						
2	100		10.524						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
15 Endosulfan II									
1	100		9.274						
2	100		10.728						
30 Toxaphene									
1	100		9.505						
1	2		9.950						
1	3		10.016						
1	4		10.601						
1	5		11.167						
2	100		10.893						
2	2		11.441						
2	3		11.843						
2	4		12.071						
2	5		12.458						
3 4,4'-DDT									
1	100		9.708						
2	100		11.215						
18 Endrin aldehyde									
1	100		10.068						
2	100		11.302						
28 Mirex									
1	100		10.476						
2	100		12.377						
27 Methoxychlor									
1	100		10.659						
2	100		12.292						
16 Endosulfan sulfate									
1	100		10.791						
2	100		11.736						
19 Endrin ketone									
1	100		11.192						
2	100		12.473						
$ 10 DCB Decachlorobiphenyl									M
1	100	12.804	12.803	0.001	73626979	0.0308			
2	100	14.252	14.251	0.001	171313687	0.0299			M
						RPD = 3.15			

QC Flag Legend

Review Flags
M - Manually Integrated

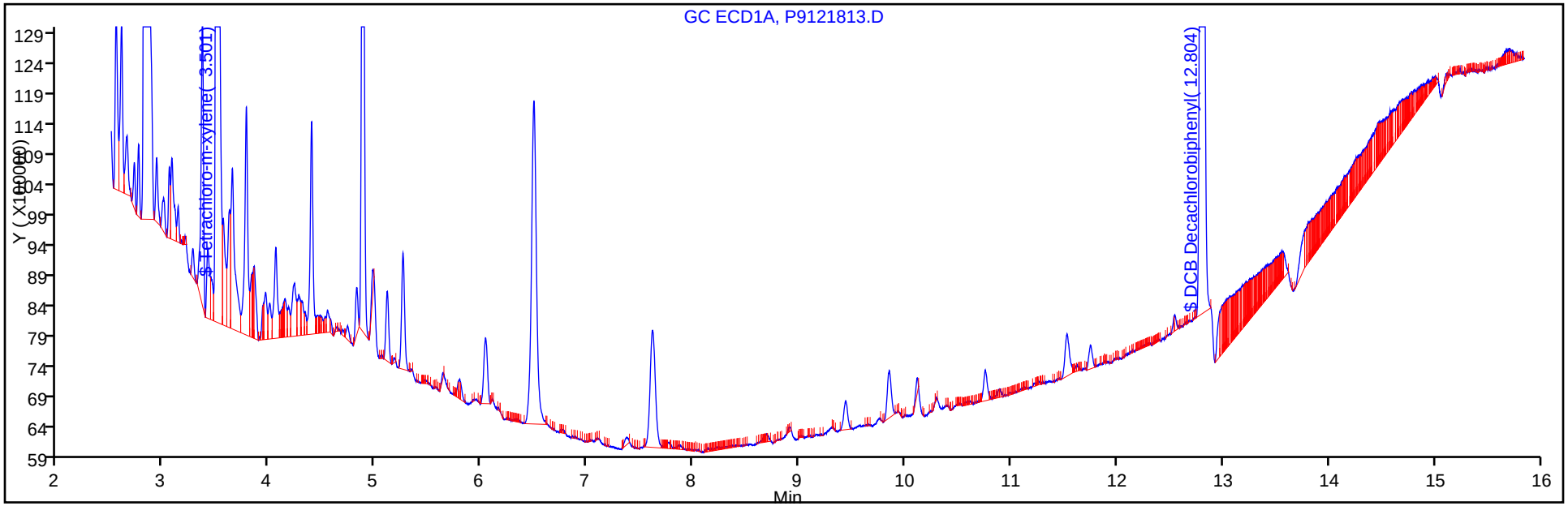
Report Date: 19-Dec-2012 12:50:12 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

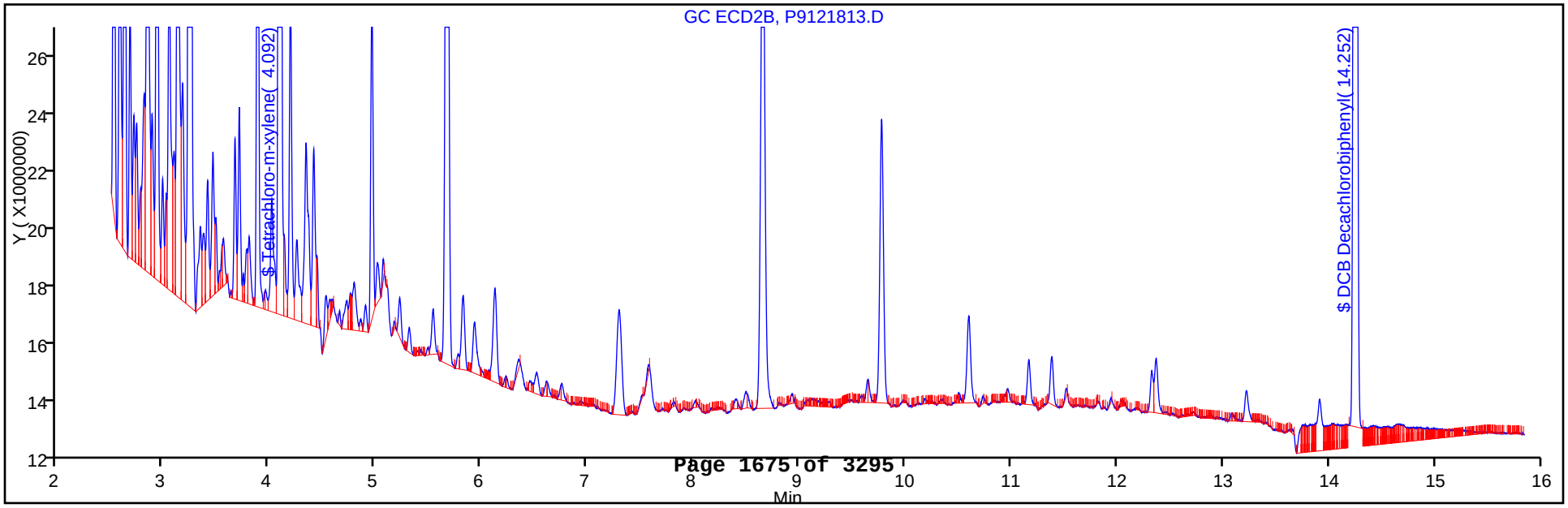
Data File: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\P9121813.D

Injection Date:	18-Dec-2012 14:09:31	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69152	Lims Sample ID:	13
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-68554/4-A

Matrix: Water Lab File ID: P9121813.D

Analysis Method: 8081/DOD Date Collected:

Extraction Method: 3520C Date Extracted: 12/13/2012 11:40

Sample wt/vol: 1000(mL) Date Analyzed: 12/18/2012 14:09

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 69152 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	75	*M*	30-135
877-09-8	Tetrachloro-m-xylene	77		25-140

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\P9121813.D
Lims ID: MB 240-68554/4-A Client ID:
Inject. Date: 18-Dec-2012 14:09:31 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0015955-013
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 13
Lims Batch ID: 69152 Lims Sample ID: 13
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\PEST9.m
Last Update: 19-Dec-2012 12:50:05 Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK024

First Level Reviewer: vandorenc Date: 19-Dec-2012 12:41:30

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.501	3.500	0.001	84824353	0.0327			
2	100	4.092	4.091	0.001	238203173	0.0308			
						RPD = 5.99			
12 Diallate									
1	100		4.009						
1	2		4.188						
2	100		4.664						
2	2		4.769						
24 Hexachlorobenzene									
1	100		4.012						
2	100		4.758						
5 alpha-BHC									
1	100		4.183						
2	100		4.917						
20 gamma-BHC (Lindane)									
1	100		4.559						
2	100		5.472						
7 beta-BHC									
1	100		4.691						
2	100		5.649						
11 delta-BHC									
1	100		4.904						
2	100		6.198						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									
1	100		5.072						
1	2		5.927						
1	3		7.169						
1	4		7.517						
2	100		6.001						
2	2		7.502						
2	3		8.925						
2	4		9.240						
22 Heptachlor									
1	100		5.186						
2	100		6.296						
4 Aldrin									
1	100		5.636						
2	100		7.012						
25 Isodrin									
1	100		6.304						
2	100		8.124						
23 Heptachlor epoxide									
1	100		6.865						
2	100		8.499						
21 gamma-Chlordane									
1	100		7.170						
2	100		8.926						
6 alpha-Chlordane									
1	100		7.520						
2	100		9.239						
14 Endosulfan I									
1	100		7.800						
2	100		9.298						
2 4,4'-DDE									
1	100		7.902						
2	100		9.698						
13 Dieldrin									
1	100		8.366						
2	100		9.835						
17 Endrin									
1	100		8.824						
2	100		10.357						
26 Kepone									
1	100		9.002						
2	100		10.667						
1 4,4'-DDD									
1	100		9.185						
2	100		10.728						
9 Chlorobenzilate									
1	100		9.231						
2	100		10.524						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
15 Endosulfan II									
1	100		9.274						
2	100		10.728						
30 Toxaphene									
1	100		9.505						
1	2		9.950						
1	3		10.016						
1	4		10.601						
1	5		11.167						
2	100		10.893						
2	2		11.441						
2	3		11.843						
2	4		12.071						
2	5		12.458						
3 4,4'-DDT									
1	100		9.708						
2	100		11.215						
18 Endrin aldehyde									
1	100		10.068						
2	100		11.302						
28 Mirex									
1	100		10.476						
2	100		12.377						
27 Methoxychlor									
1	100		10.659						
2	100		12.292						
16 Endosulfan sulfate									
1	100		10.791						
2	100		11.736						
19 Endrin ketone									
1	100		11.192						
2	100		12.473						
$ 10 DCB Decachlorobiphenyl									M
1	100	12.804	12.803	0.001	73626979	0.0308			
2	100	14.252	14.251	0.001	171313687	0.0299			M
						RPD = 3.15			

QC Flag Legend

Review Flags
M - Manually Integrated

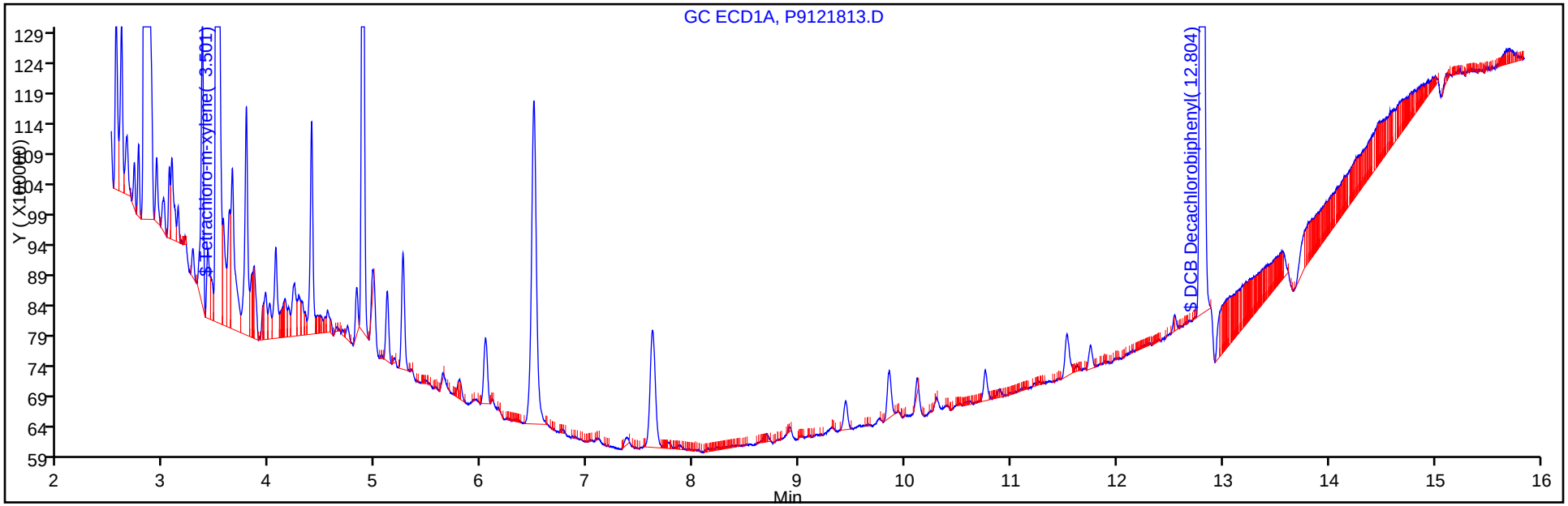
Report Date: 19-Dec-2012 12:50:12 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

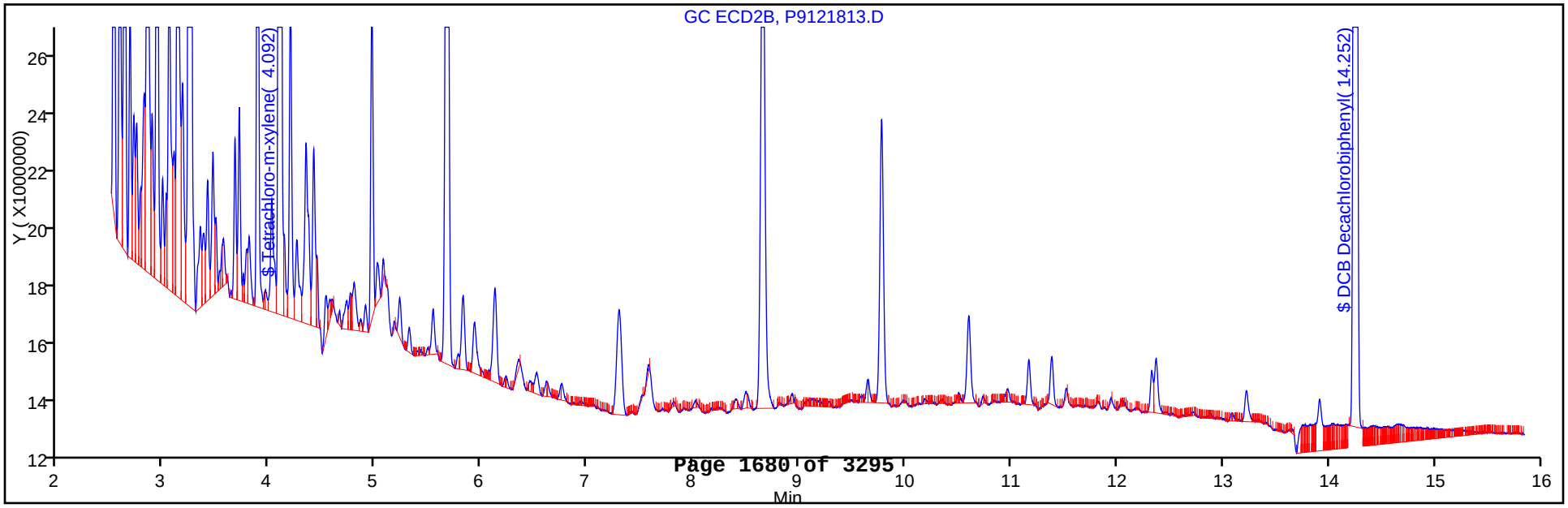
Data File: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\P9121813.D

Injection Date:	18-Dec-2012 14:09:31	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69152	Lims Sample ID:	13
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

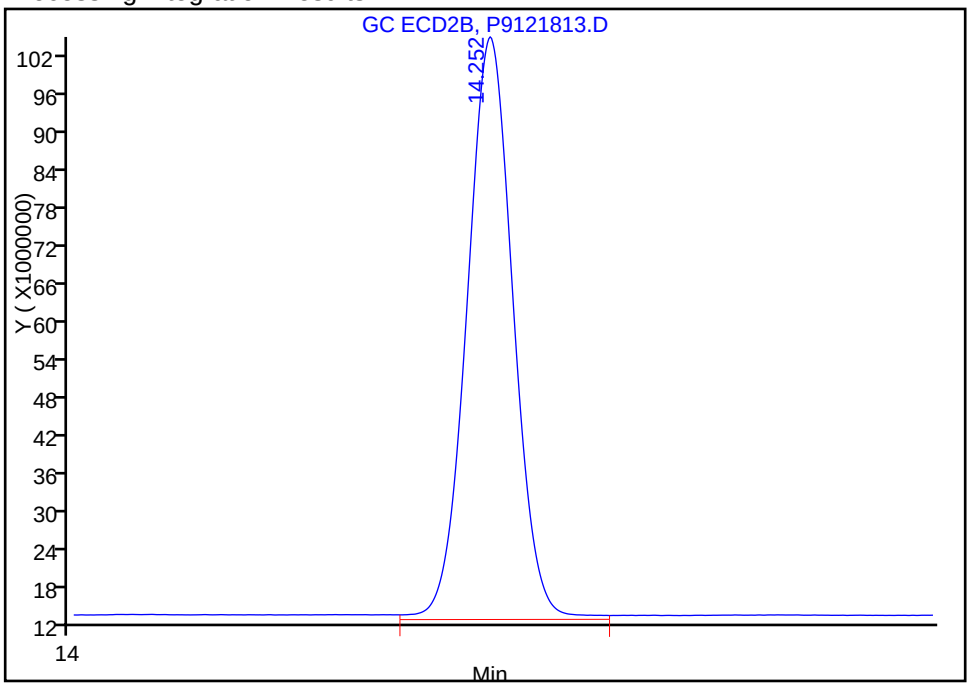
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20121218-15955.b\P9121813.D		
Injection Date:	18-Dec-2012 14:09:31	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69152	Lims Sample ID:	13
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

$ 10 DCB Decachlorobiphenyl, Signal: 2, Type: quant, RT: 14.25, Det: GC ecd2b

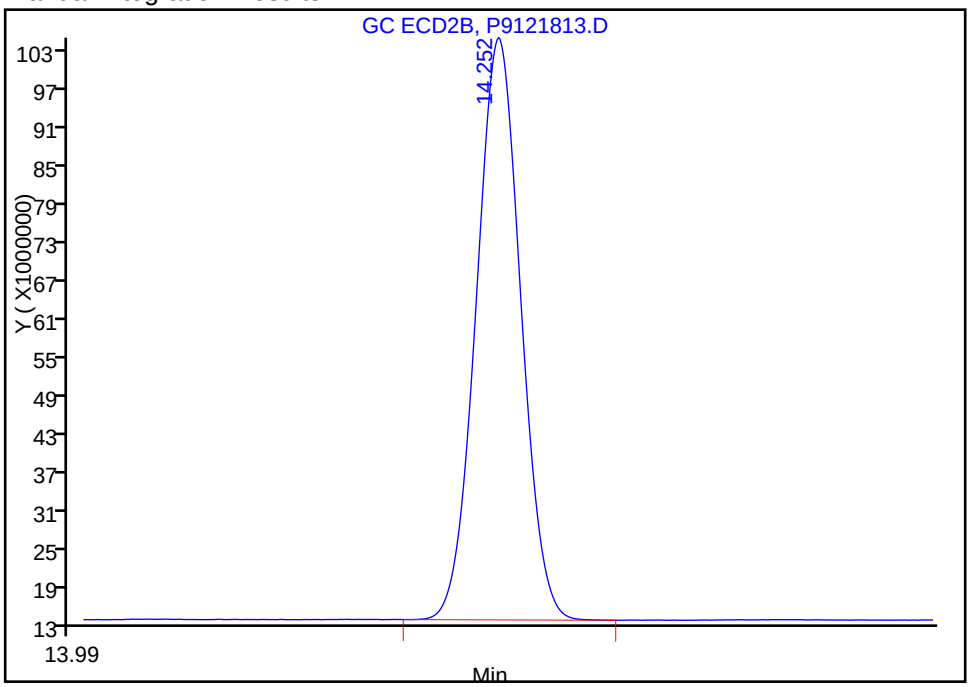
Processing Integration Results

RT: 14.25
Response: 176355665
Amount: 0.030742



Manual Integration Results

RT: 14.25
Response: 171313687
Amount: 0.029863



Reviewer: vandorenc, 19-Dec-2012 12:41:30
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-70005/5-A

Matrix: Solid | Lab File ID: P9010612.D

Analysis Method: 8081/DOD | Date Collected:

Extraction Method: 3520C | Date Extracted: 12/24/2012 10:33

Sample wt/vol: 250(mL) | Date Analyzed: 01/06/2013 20:49

Con. Extract Vol.: 3(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 71174 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
57-74-9	Chlordane (technical)	0.000079	U	0.030	0.000079	0.000079
72-20-8	Endrin	0.000026	U	0.010	0.000026	0.000026
58-89-9	gamma-BHC (Lindane)	0.000024	U	0.010	0.000024	0.000015
76-44-8	Heptachlor	0.000024	U	0.010	0.000024	0.000019
1024-57-3	Heptachlor epoxide	0.000024	U	0.010	0.000024	0.000017
72-43-5	Methoxychlor	0.000077	U	0.030	0.000077	0.000077

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	74		44-144
877-09-8	Tetrachloro-m-xylene	65		44-127

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010612.D
Lims ID: MB 240-70005/5-A Client ID:
Inject. Date: 06-Jan-2013 20:49:09 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0016400-012
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 12
Lims Batch ID: 71174 Lims Sample ID: 12
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\PEST9.m
Last Update: 07-Jan-2013 07:09:35 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK004

First Level Reviewer: vandorenc Date: 07-Jan-2013 06:43:37

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.499	3.498	0.001	117120789	0.0431			
2	100	4.085	4.085	0.000	377378323	0.0430			
						RPD = 0.17			
24 Hexachlorobenzene									
1	100		3.967						
2	100		4.693						
12 Diallate									
1	100		4.056						
1	2		4.220						
2	100		4.655						
2	2		4.801						
5 alpha-BHC									
1	100		4.181						
2	100		4.908						
20 gamma-BHC (Lindane)									
1	100		4.556						
2	100		5.461						
7 beta-BHC									
1	100		4.688						
2	100		5.637						
11 delta-BHC									
1	100		4.901						
2	100		6.186						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									
1	100		5.065						
1	2		5.918						
1	3		7.159						
1	4		7.504						
2	100		5.987						
2	2		7.482						
2	3		8.909						
2	4		9.223						
22 Heptachlor									
1	100		5.181						
2	100		6.282						
4 Aldrin									
1	100		5.631						
2	100		6.995						
25 Isodrin									
1	100		6.217						
2	100		7.994						
23 Heptachlor epoxide									
1	100		6.856						
2	100		8.483						
21 gamma-Chlordane									
1	100		7.163						
2	100		8.911						
6 alpha-Chlordane									
1	100		7.514						
2	100		9.224						
14 Endosulfan I									
1	100		7.791						
2	100		9.285						
2 4,4'-DDE									
1	100		7.898						
2	100		9.688						
13 Dieldrin									
1	100		8.356						
2	100		9.821						
17 Endrin									1
1	100		8.818						
2	100		10.343						
26 Kepone									
1	100		8.909						
2	100		10.531						
1 4,4'-DDD									
1	100		9.188						
2	100		10.718						
15 Endosulfan II									
1	100		9.266						
2	100		10.718						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
9 Chlorobenzilate									
1	100		9.280						
2	100		10.533						
30 Toxaphene									
1	100		9.497						
1	2		9.948						
1	3		10.011						
1	4		10.596						
1	5		11.162						
2	100		10.881						
2	2		11.428						
2	3		11.831						
2	4		12.057						
2	5		12.445						
3 4,4'-DDT									
1	100		9.706						
2	100		11.204						
18 Endrin aldehyde									
1	100		10.063						
2	100		11.290						
28 Mirex									
1	100		10.476						
2	100		12.377						
27 Methoxychlor									
1	100		10.659						
2	100		12.283						
16 Endosulfan sulfate									
1	100		10.786						
2	100		11.722						
19 Endrin ketone									
1	100		11.187						
2	100		12.460						
$ 10 DCB Decachlorobiphenyl									
1	100	12.798	12.800	-0.002	125941475	0.0493			
2	100	14.238	14.240	-0.002	316623021	0.0466			
						RPD = 5.68			

QC Flag Legend

Processing Flags
1 - Missing Peaks

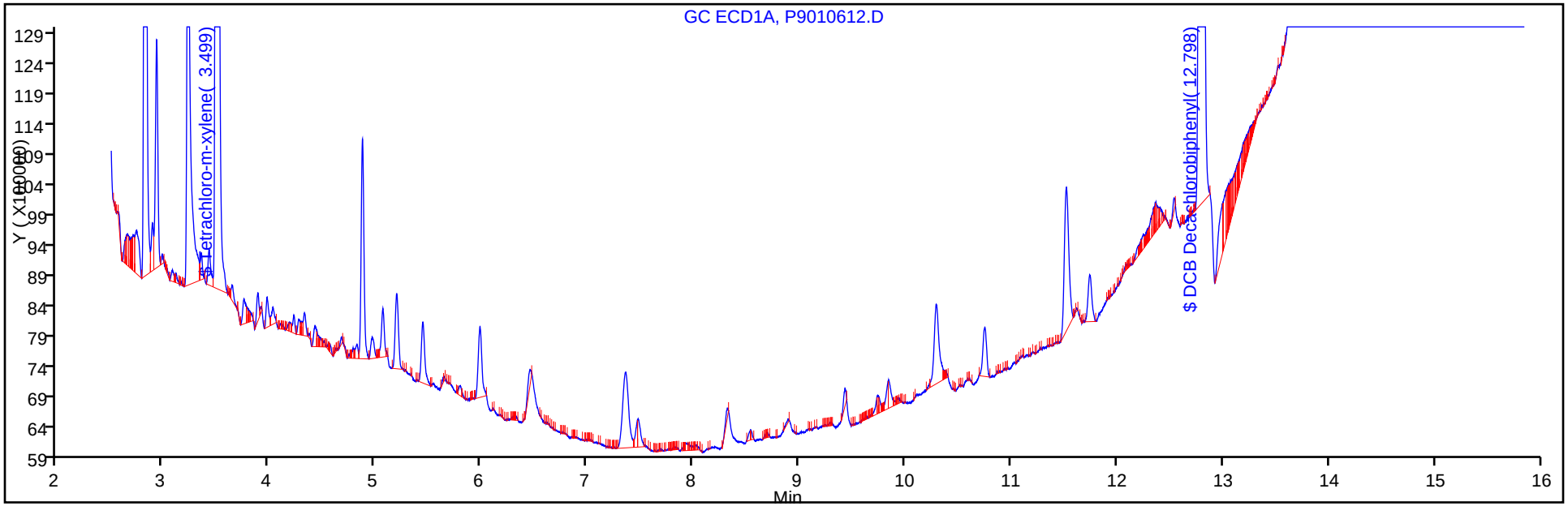
Report Date: 07-Jan-2013 07:09:43 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

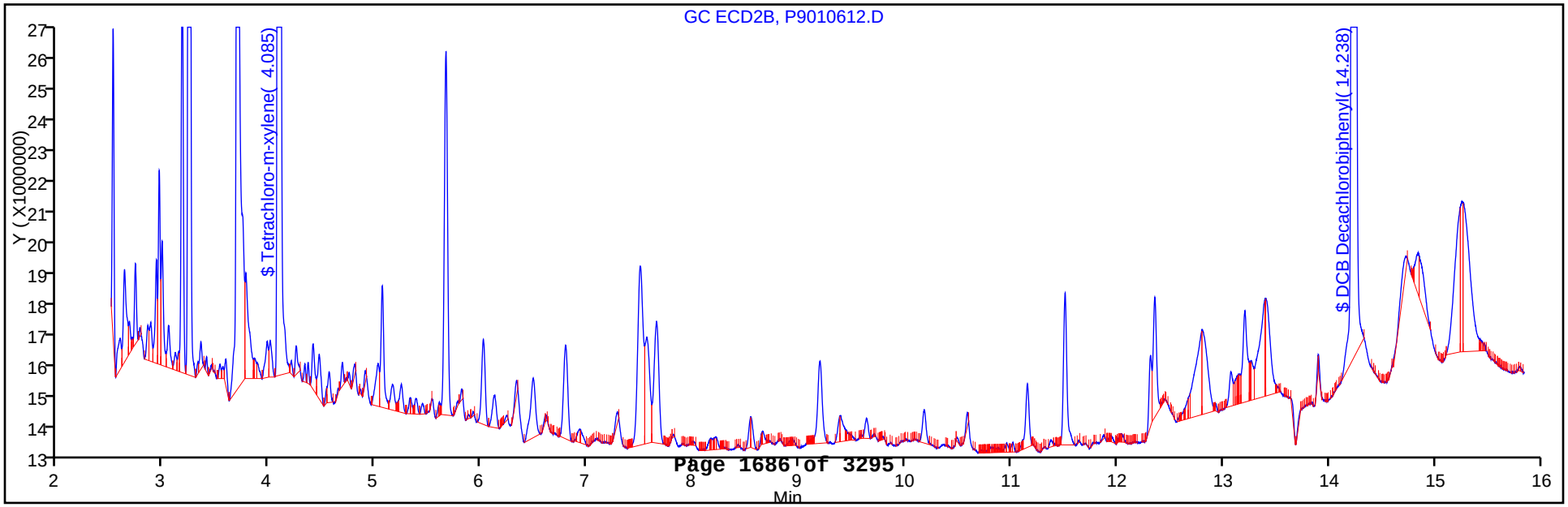
Data File: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010612.D

Injection Date:	06-Jan-2013 20:49:09	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71174	Lims Sample ID:	12
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-70005/5-A

Matrix: Solid | Lab File ID: P9010612.D

Analysis Method: 8081/DOD | Date Collected:

Extraction Method: 3520C | Date Extracted: 12/24/2012 10:33

Sample wt/vol: 250(mL) | Date Analyzed: 01/06/2013 20:49

Con. Extract Vol.: 3(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 71174 | Units: mg/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	70		44-144
877-09-8	Tetrachloro-m-xylene	65		44-127

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010612.D		
Lims ID:	MB 240-70005/5-A	Client ID:	
Inject. Date:	06-Jan-2013 20:49:09	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	240-0016400-012		
Misc. Info.:			
Operator:	093905	Instrument ID:	A2HP9
Injection Vol:	1.0 ul	ALS Bottle#:	12
Lims Batch ID:	71174	Lims Sample ID:	12
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP9\20130106-16400.b\PEST9.m		
Last Update:	07-Jan-2013 07:09:35	Calib Date:	22-Dec-2012 17:38:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK004		
First Level Reviewer: vandorenc		Date:	07-Jan-2013 06:43:37

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.499	3.498	0.001	117120789	0.0431			
2	100	4.085	4.085	0.000	377378323	0.0430			
						RPD = 0.17			
24 Hexachlorobenzene									
1	100		3.967						
2	100		4.693						
12 Diallate									
1	100		4.056						
1	2		4.220						
2	100		4.655						
2	2		4.801						
5 alpha-BHC									
1	100		4.181						
2	100		4.908						
20 gamma-BHC (Lindane)									
1	100		4.556						
2	100		5.461						
7 beta-BHC									
1	100		4.688						
2	100		5.637						
11 delta-BHC									
1	100		4.901						
2	100		6.186						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									
1	100		5.065						
1	2		5.918						
1	3		7.159						
1	4		7.504						
2	100		5.987						
2	2		7.482						
2	3		8.909						
2	4		9.223						
22 Heptachlor									
1	100		5.181						
2	100		6.282						
4 Aldrin									
1	100		5.631						
2	100		6.995						
25 Isodrin									
1	100		6.217						
2	100		7.994						
23 Heptachlor epoxide									
1	100		6.856						
2	100		8.483						
21 gamma-Chlordane									
1	100		7.163						
2	100		8.911						
6 alpha-Chlordane									
1	100		7.514						
2	100		9.224						
14 Endosulfan I									
1	100		7.791						
2	100		9.285						
2 4,4'-DDE									
1	100		7.898						
2	100		9.688						
13 Dieldrin									
1	100		8.356						
2	100		9.821						
17 Endrin									1
1	100		8.818						
2	100		10.343						
26 Kepone									
1	100		8.909						
2	100		10.531						
1 4,4'-DDD									
1	100		9.188						
2	100		10.718						
15 Endosulfan II									
1	100		9.266						
2	100		10.718						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
9 Chlorobenzilate									
1	100		9.280						
2	100		10.533						
30 Toxaphene									
1	100		9.497						
1	2		9.948						
1	3		10.011						
1	4		10.596						
1	5		11.162						
2	100		10.881						
2	2		11.428						
2	3		11.831						
2	4		12.057						
2	5		12.445						
3 4,4'-DDT									
1	100		9.706						
2	100		11.204						
18 Endrin aldehyde									
1	100		10.063						
2	100		11.290						
28 Mirex									
1	100		10.476						
2	100		12.377						
27 Methoxychlor									
1	100		10.659						
2	100		12.283						
16 Endosulfan sulfate									
1	100		10.786						
2	100		11.722						
19 Endrin ketone									
1	100		11.187						
2	100		12.460						
$ 10 DCB Decachlorobiphenyl									
1	100	12.798	12.800	-0.002	125941475	0.0493			
2	100	14.238	14.240	-0.002	316623021	0.0466			
						RPD = 5.68			

QC Flag Legend

Processing Flags
1 - Missing Peaks

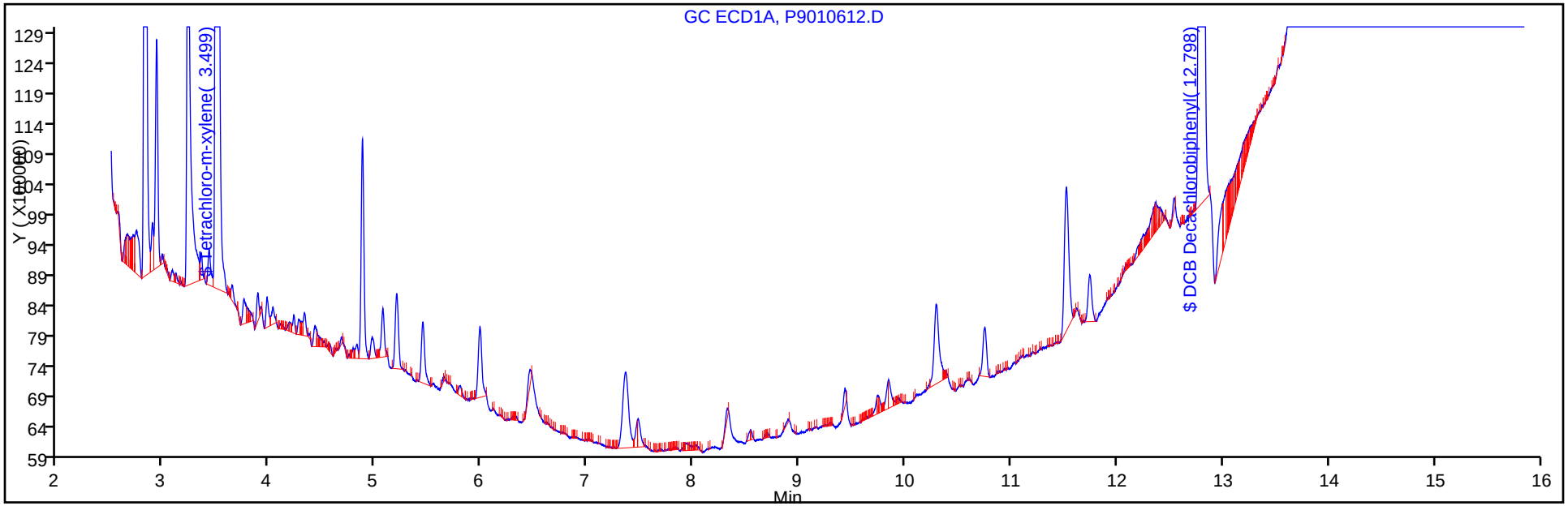
Report Date: 07-Jan-2013 07:09:43 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

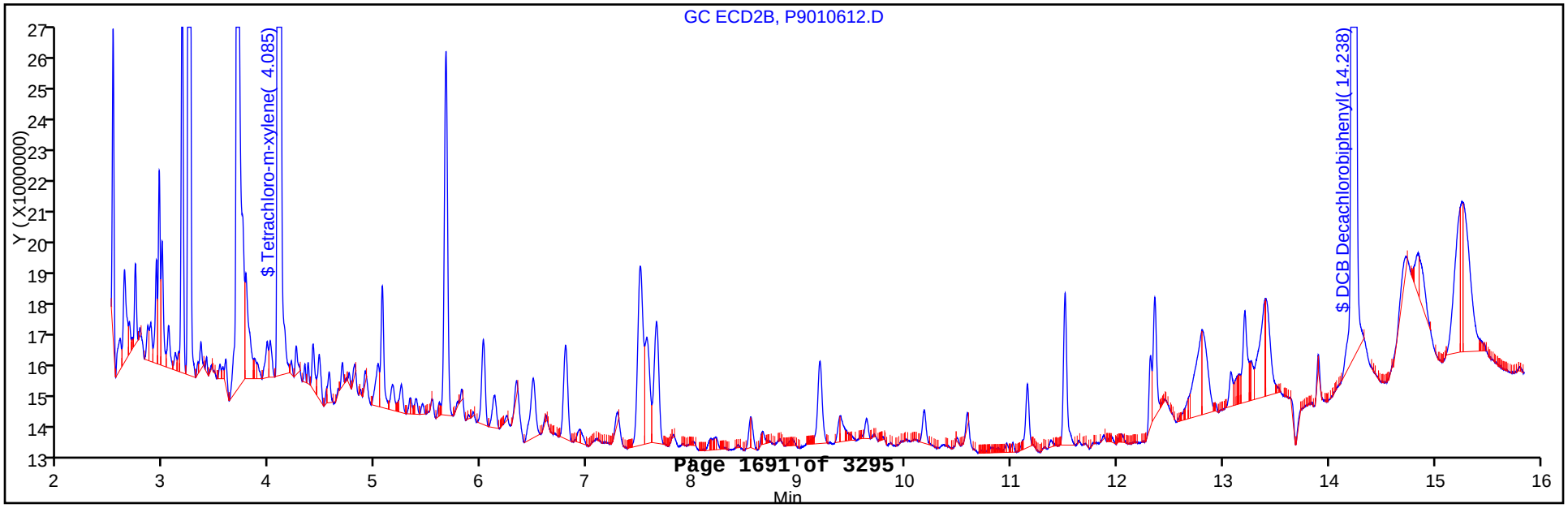
Data File: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010612.D

Injection Date:	06-Jan-2013 20:49:09	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71174	Lims Sample ID:	12
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-68554/5-A

Matrix: Water | Lab File ID: P9121809.D

Analysis Method: 8081/DOD | Date Collected:

Extraction Method: 3520C | Date Extracted: 12/13/2012 11:40

Sample wt/vol: 1000(mL) | Date Analyzed: 12/18/2012 12:18

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69152 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.409		0.050	0.010	0.0096
72-55-9	4,4'-DDE	0.378		0.050	0.010	0.0097
50-29-3	4,4'-DDT	0.391		0.050	0.030	0.016
309-00-2	Aldrin	0.362		0.050	0.010	0.0082
319-84-6	alpha-BHC	0.373		0.050	0.010	0.0070
5103-71-9	alpha-Chlordane	0.363		0.050	0.014	0.014
319-85-7	beta-BHC	0.369		0.050	0.010	0.0084
319-86-8	delta-BHC	0.382		0.050	0.010	0.0087
60-57-1	Dieldrin	0.388		0.050	0.010	0.0075
959-98-8	Endosulfan I	0.330		0.050	0.013	0.013
33213-65-9	Endosulfan II	0.347		0.050	0.012	0.012
1031-07-8	Endosulfan sulfate	0.378		0.050	0.011	0.011
72-20-8	Endrin	0.389		0.050	0.011	0.011
7421-93-4	Endrin aldehyde	0.380		0.050	0.011	0.011
58-89-9	gamma-BHC (Lindane)	0.378		0.050	0.010	0.0064
5103-74-2	gamma-Chlordane	0.380		0.050	0.012	0.012
76-44-8	Heptachlor	0.381		0.050	0.010	0.0080
1024-57-3	Heptachlor epoxide	0.384		0.050	0.010	0.0071
72-43-5	Methoxychlor	0.377		0.10	0.032	0.032

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	39		30-135
877-09-8	Tetrachloro-m-xylene	76		25-140

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\P9121809.D
Lims ID: LCS 240-68554/5-A Client ID:
Inject. Date: 18-Dec-2012 12:18:56 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0015955-009
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 9
Lims Batch ID: 69152 Lims Sample ID: 9
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\PEST9.m
Last Update: 19-Dec-2012 12:50:05 Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK024

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.500	3.500	0.000	78460736	0.0303			
2	100	4.091	4.091	0.000	245220912	0.0317			
						RPD = 4.71			
5 alpha-BHC									
1	100	4.183	4.183	0.000	255102613	0.0746			
2	100	4.918	4.917	0.001	890673560	0.0825			
						RPD = 10.08			
20 gamma-BHC (Lindane)									
1	100	4.559	4.559	0.000	220457825	0.0757			
2	100	5.473	5.472	0.001	744333916	0.0829			
						RPD = 9.18			
7 beta-BHC									
1	100	4.689	4.691	-0.002	92279206	0.0738			
2	100	5.648	5.649	-0.001	298419283	0.0791			
						RPD = 6.93			
11 delta-BHC									
1	100	4.904	4.904	0.000	234169686	0.0765			
2	100	6.199	6.198	0.001	791398515	0.0839			
						RPD = 9.30			
22 Heptachlor									
1	100	5.185	5.186	-0.001	202355856	0.0762			
2	100	6.296	6.296	0.000	627839576	0.0789			
						RPD = 3.46			
4 Aldrin									
1	100	5.636	5.636	0.000	231136703	0.0725			
2	100	7.012	7.012	0.000	706851591	0.0799			
						RPD = 9.72			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.864	6.865	-0.001	198083209	0.0767			
2	100	8.499	8.499	0.000	602064004	0.0825			
						RPD = 7.27			
21 gamma-Chlordane									
1	100	7.169	7.170	-0.001	213767218	0.0761			
2	100	8.926	8.926	0.000	613591308	0.0822			
						RPD = 7.69			
6 alpha-Chlordane									
1	100	7.520	7.520	0.000	211589974	0.0726			
2	100	9.239	9.239	0.000	600656086	0.0794			
						RPD = 9.01			
14 Endosulfan I									
1	100	7.798	7.800	-0.002	160618182	0.0661			
2	100	9.300	9.298	0.002	431852332	0.0697			
						RPD = 5.35			
2 4,4'-DDE									
1	100	7.900	7.902	-0.002	225593477	0.0756			
2	100	9.699	9.698	0.001	617512015	0.0823			
						RPD = 8.55			
13 Dieldrin									
1	100	8.365	8.366	-0.001	193727083	0.0776			
2	100	9.836	9.835	0.001	566286671	0.0832			
						RPD = 6.99			
17 Endrin									
1	100	8.824	8.824	0.000	176191935	0.0778			
2	100	10.357	10.357	0.000	528070684	0.0835			
						RPD = 7.09			
1 4,4'-DDD									
1	100	9.187	9.185	0.002	150345633	0.0819			
2	100	10.727	10.728	-0.001	901416083	0.0835			
						RPD = 2.03			
15 Endosulfan II									
1	100	9.274	9.274	0.000	163749820	0.0694			
2	100	10.727	10.728	-0.001	901416083	0.0824			
						RPD = 17.13			
3 4,4'-DDT									
1	100	9.709	9.708	0.001	155794349	0.0781			
2	100	11.215	11.215	0.000	400525588	0.0813			
						RPD = 3.95			
18 Endrin aldehyde									
1	100	10.069	10.068	0.001	136760421	0.0760			
2	100	11.302	11.302	0.000	379858565	0.0803			
						RPD = 5.49			
27 Methoxychlor									
1	100	10.659	10.659	0.000	70498683	0.0754			
2	100	12.294	12.292	0.002	183452150	0.0737			
						RPD = 2.23			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.792	10.791	0.001	164249866	0.0757			
2	100	11.737	11.736	0.001	477888464	0.0844			
						RPD = 10.89			
19 Endrin ketone									
1	100	11.193	11.192	0.001	167002329	0.0744			
2	100	12.474	12.473	0.001	451077398	0.0782			
						RPD = 4.96			
$ 10 DCB Decachlorobiphenyl									
1	100	12.804	12.803	0.001	37392323	0.0157			
2	100	14.251	14.251	0.000	94843197	0.0165			
						RPD = 5.48			

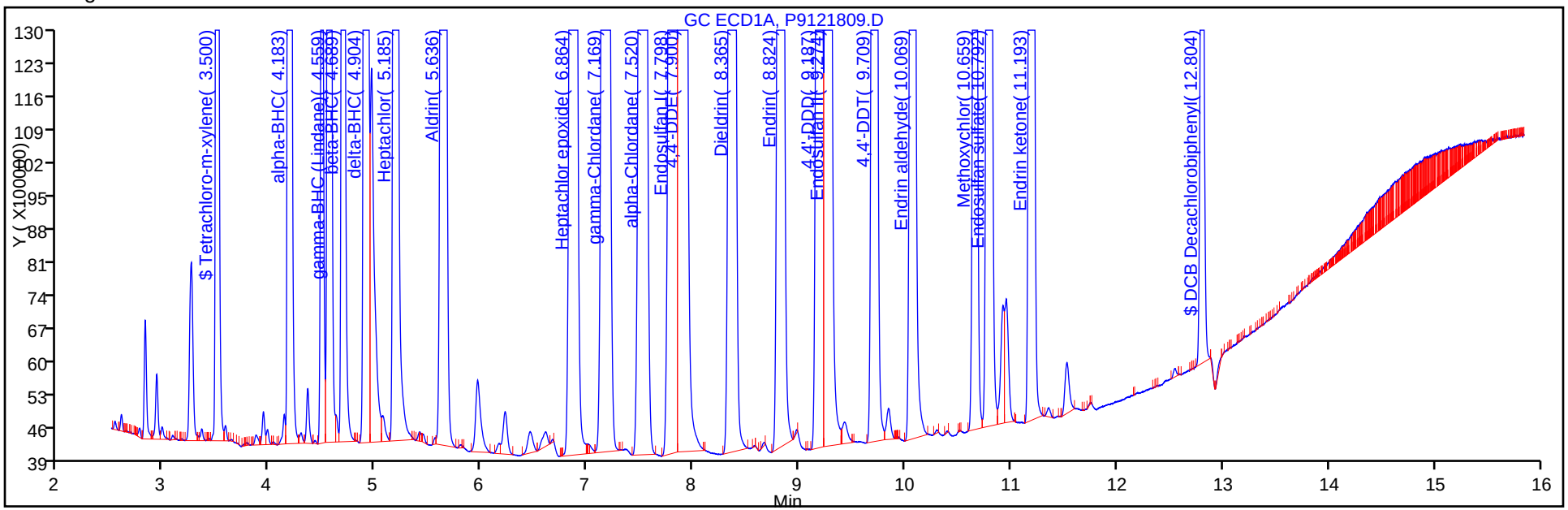
Report Date: 19-Dec-2012 12:50:07 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

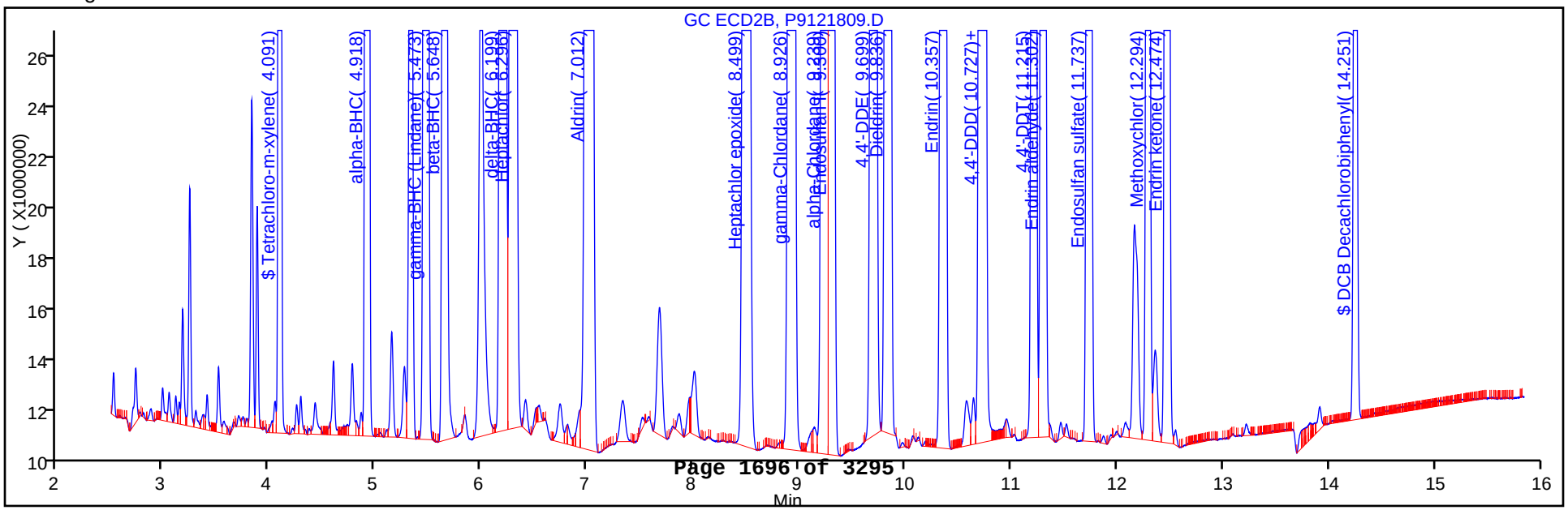
Data File: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\P9121809.D

Injection Date:	18-Dec-2012 12:18:56	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69152	Lims Sample ID:	9
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-68554/5-A

Matrix: Water | Lab File ID: P9121809.D

Analysis Method: 8081/DOD | Date Collected:

Extraction Method: 3520C | Date Extracted: 12/13/2012 11:40

Sample wt/vol: 1000(mL) | Date Analyzed: 12/18/2012 12:18

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69152 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
53494-70-5	Endrin ketone	0.391		0.050	0.010	0.0078

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	41		30-135
877-09-8	Tetrachloro-m-xylene	79		25-140

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\P9121809.D
Lims ID: LCS 240-68554/5-A
Client ID:
Inject. Date: 18-Dec-2012 12:18:56
Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0015955-009
Misc. Info.:
Operator: 093905
Instrument ID: A2HP9
Injection Vol: 1.0 ul
ALS Bottle#: 9
Lims Batch ID: 69152
Lims Sample ID: 9
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\PEST9.m
Last Update: 19-Dec-2012 12:50:05
Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK024

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.500	3.500	0.000	78460736	0.0303			
2	100	4.091	4.091	0.000	245220912	0.0317			
						RPD = 4.71			
5 alpha-BHC									
1	100	4.183	4.183	0.000	255102613	0.0746			
2	100	4.918	4.917	0.001	890673560	0.0825			
						RPD = 10.08			
20 gamma-BHC (Lindane)									
1	100	4.559	4.559	0.000	220457825	0.0757			
2	100	5.473	5.472	0.001	744333916	0.0829			
						RPD = 9.18			
7 beta-BHC									
1	100	4.689	4.691	-0.002	92279206	0.0738			
2	100	5.648	5.649	-0.001	298419283	0.0791			
						RPD = 6.93			
11 delta-BHC									
1	100	4.904	4.904	0.000	234169686	0.0765			
2	100	6.199	6.198	0.001	791398515	0.0839			
						RPD = 9.30			
22 Heptachlor									
1	100	5.185	5.186	-0.001	202355856	0.0762			
2	100	6.296	6.296	0.000	627839576	0.0789			
						RPD = 3.46			
4 Aldrin									
1	100	5.636	5.636	0.000	231136703	0.0725			
2	100	7.012	7.012	0.000	706851591	0.0799			
						RPD = 9.72			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.864	6.865	-0.001	198083209	0.0767			
2	100	8.499	8.499	0.000	602064004	0.0825			
						RPD = 7.27			
21 gamma-Chlordane									
1	100	7.169	7.170	-0.001	213767218	0.0761			
2	100	8.926	8.926	0.000	613591308	0.0822			
						RPD = 7.69			
6 alpha-Chlordane									
1	100	7.520	7.520	0.000	211589974	0.0726			
2	100	9.239	9.239	0.000	600656086	0.0794			
						RPD = 9.01			
14 Endosulfan I									
1	100	7.798	7.800	-0.002	160618182	0.0661			
2	100	9.300	9.298	0.002	431852332	0.0697			
						RPD = 5.35			
2 4,4'-DDE									
1	100	7.900	7.902	-0.002	225593477	0.0756			
2	100	9.699	9.698	0.001	617512015	0.0823			
						RPD = 8.55			
13 Dieldrin									
1	100	8.365	8.366	-0.001	193727083	0.0776			
2	100	9.836	9.835	0.001	566286671	0.0832			
						RPD = 6.99			
17 Endrin									
1	100	8.824	8.824	0.000	176191935	0.0778			
2	100	10.357	10.357	0.000	528070684	0.0835			
						RPD = 7.09			
1 4,4'-DDD									
1	100	9.187	9.185	0.002	150345633	0.0819			
2	100	10.727	10.728	-0.001	901416083	0.0835			
						RPD = 2.03			
15 Endosulfan II									
1	100	9.274	9.274	0.000	163749820	0.0694			
2	100	10.727	10.728	-0.001	901416083	0.0824			
						RPD = 17.13			
3 4,4'-DDT									
1	100	9.709	9.708	0.001	155794349	0.0781			
2	100	11.215	11.215	0.000	400525588	0.0813			
						RPD = 3.95			
18 Endrin aldehyde									
1	100	10.069	10.068	0.001	136760421	0.0760			
2	100	11.302	11.302	0.000	379858565	0.0803			
						RPD = 5.49			
27 Methoxychlor									
1	100	10.659	10.659	0.000	70498683	0.0754			
2	100	12.294	12.292	0.002	183452150	0.0737			
						RPD = 2.23			

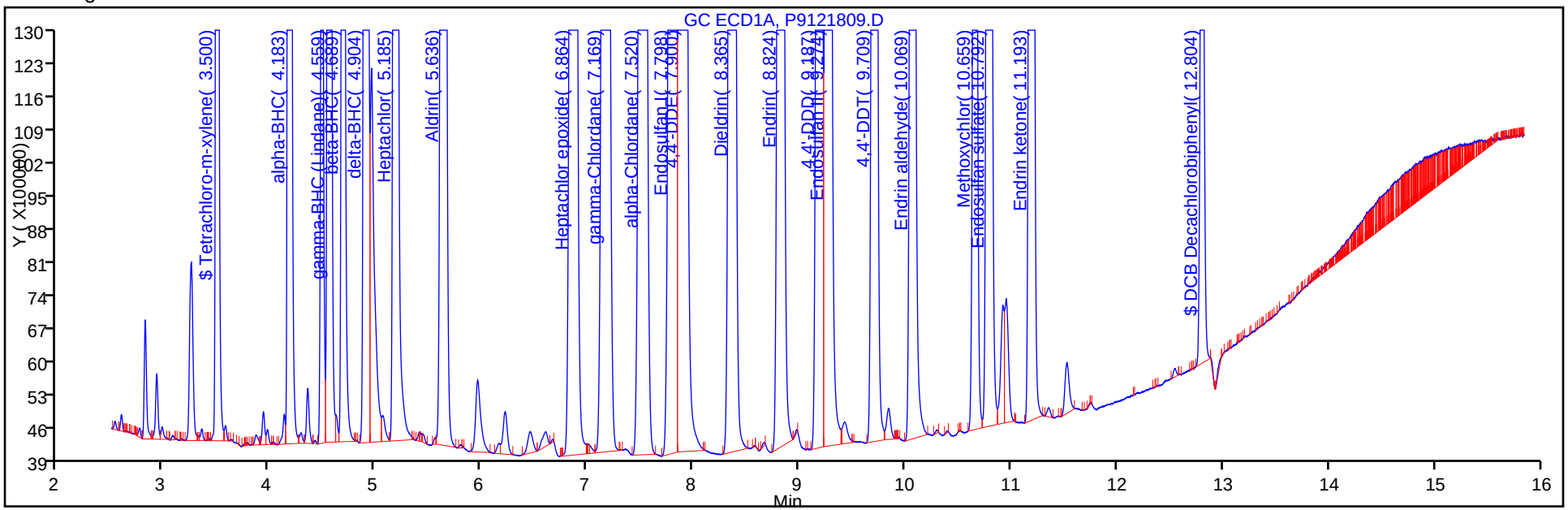
Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.792	10.791	0.001	164249866	0.0757			
2	100	11.737	11.736	0.001	477888464	0.0844			
						RPD = 10.89			
19 Endrin ketone									
1	100	11.193	11.192	0.001	167002329	0.0744			
2	100	12.474	12.473	0.001	451077398	0.0782			
						RPD = 4.96			
$ 10 DCB Decachlorobiphenyl									
1	100	12.804	12.803	0.001	37392323	0.0157			
2	100	14.251	14.251	0.000	94843197	0.0165			
						RPD = 5.48			

Report Date: 19-Dec-2012 12:50:08 Chrom Revision: 2.0 27-Nov-2012 13:14:12

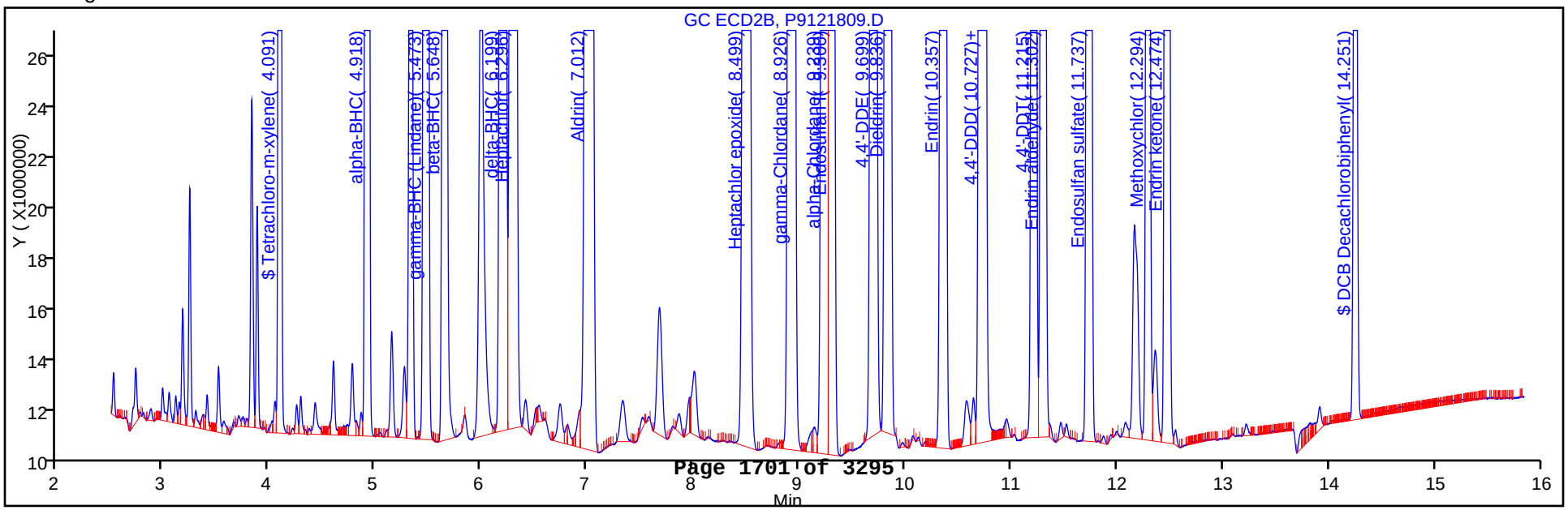
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20121218-15955.b\P9121809.D		
Injection Date:	18-Dec-2012 12:18:56	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69152	Lims Sample ID:	9
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-70005/4-A

Matrix: Solid | Lab File ID: P9010613.D

Analysis Method: 8081/DOD | Date Collected:

Extraction Method: 3520C | Date Extracted: 12/24/2012 10:33

Sample wt/vol: 250(mL) | Date Analyzed: 01/06/2013 21:16

Con. Extract Vol.: 3(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 71174 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-20-8	Endrin	0.00182	J D	0.050	0.00013	0.00013
58-89-9	gamma-BHC (Lindane)	0.00170	J D	0.050	0.00012	0.000077
76-44-8	Heptachlor	0.00170	J D	0.050	0.00012	0.000096
1024-57-3	Heptachlor epoxide	0.00203	J D	0.050	0.00012	0.000085
72-43-5	Methoxychlor	0.00323	J D	0.15	0.00038	0.00038

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	72		44-144
877-09-8	Tetrachloro-m-xylene	78		44-127

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010613.D
Lims ID: LCS 240-70005/4-A
Client ID:
Inject. Date: 06-Jan-2013 21:16:35
Dil. Factor: 5.0000
Sample Type: LCS
Sample ID: 240-0016400-013
Misc. Info.:
Operator: 093905
Instrument ID: A2HP9
Injection Vol: 1.0 ul
ALS Bottle#: 13
Lims Batch ID: 71174
Lims Sample ID: 13
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\PEST9.m
Last Update: 07-Jan-2013 07:09:35
Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK004

First Level Reviewer: vandorenc
Date: 07-Jan-2013 06:48:37

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.499	3.498	0.001	28332364	0.0104			
2	100	4.085	4.085	0.000	90625214	0.0103			
						RPD = 0.90			
20 gamma-BHC (Lindane)									
1	100	4.556	4.556	0.000	88058499	0.0283			
2	100	5.461	5.461	0.000	283752132	0.0272			
						RPD = 3.83			
22 Heptachlor									
1	100	5.181	5.181	0.000	77598857	0.0283			
2	100	6.283	6.282	0.001	255635057	0.0290			
						RPD = 2.63			
23 Heptachlor epoxide									
1	100	6.858	6.856	0.002	92155279	0.0339			
2	100	8.483	8.483	0.000	261668353	0.0314			
						RPD = 7.68			
17 Endrin									
1	100	8.816	8.818	-0.002	74303083	0.0304			
2	100	10.344	10.343	0.001	198760887	0.0282			
						RPD = 7.47			
27 Methoxychlor									
1	100	10.655	10.659	-0.004	47240315	0.0538			
2	100	12.281	12.283	-0.002	111402975	0.0482			
						RPD = 10.96			
$ 10 DCB Decachlorobiphenyl									
1	100	12.798	12.800	-0.002	24648732	0.009656			
2	100	14.238	14.240	-0.002	62782232	0.009242			
						RPD = 4.38			

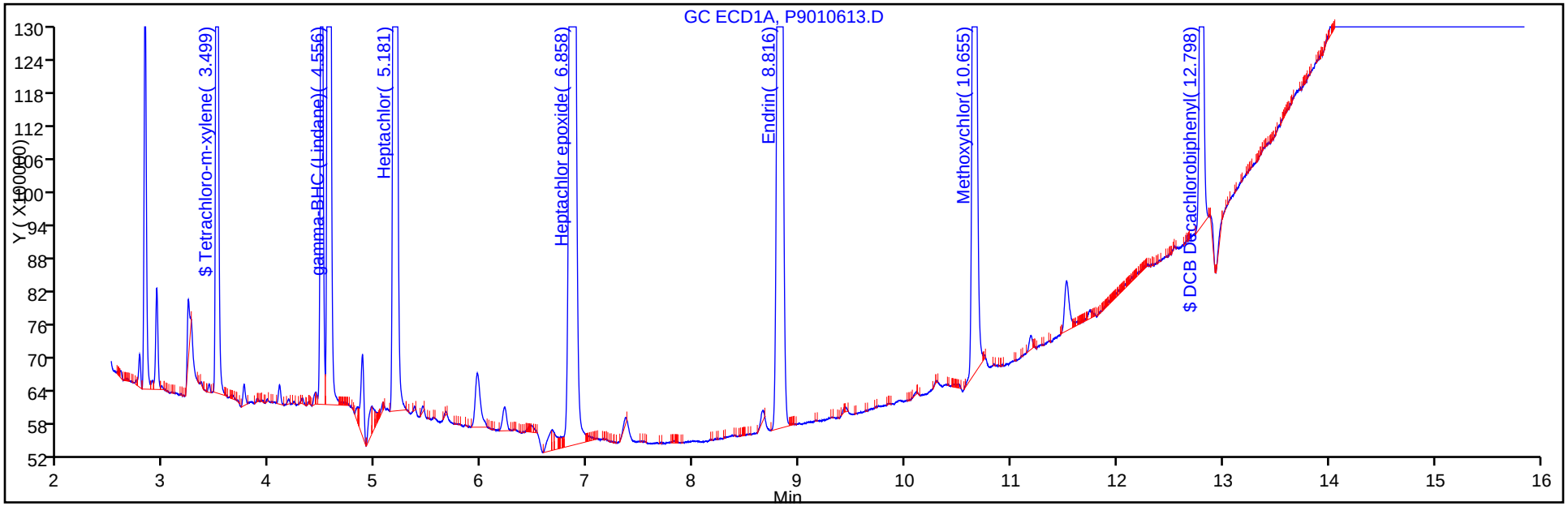
Report Date: 07-Jan-2013 07:09:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

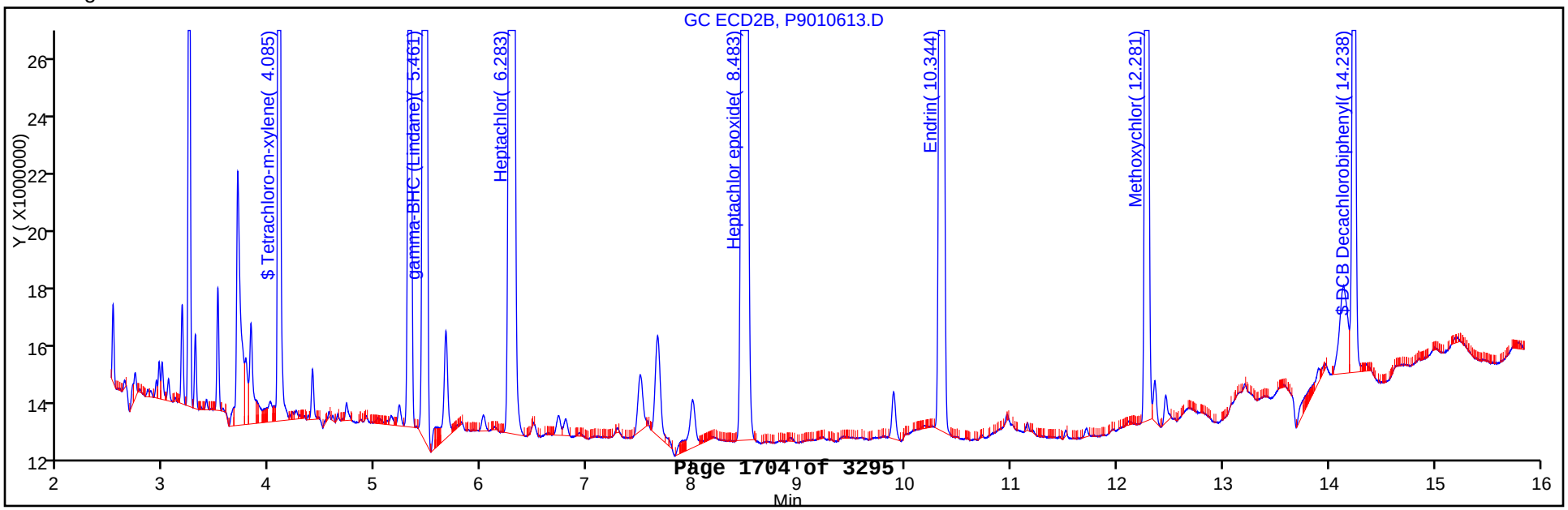
Data File: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010613.D

Injection Date:	06-Jan-2013 21:16:35	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71174	Lims Sample ID:	13
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-70005/4-A

Matrix: Solid | Lab File ID: P9010613.D

Analysis Method: 8081/DOD | Date Collected:

Extraction Method: 3520C | Date Extracted: 12/24/2012 10:33

Sample wt/vol: 250(mL) | Date Analyzed: 01/06/2013 21:16

Con. Extract Vol.: 3(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 71174 | Units: mg/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	69		44-144
877-09-8	Tetrachloro-m-xylene	77		44-127

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010613.D
Lims ID: LCS 240-70005/4-A Client ID:
Inject. Date: 06-Jan-2013 21:16:35 Dil. Factor: 5.0000
Sample Type: LCS
Sample ID: 240-0016400-013
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 13
Lims Batch ID: 71174 Lims Sample ID: 13
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\PEST9.m
Last Update: 07-Jan-2013 07:09:35 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK004

First Level Reviewer: vandorenc Date: 07-Jan-2013 06:48:37

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.499	3.498	0.001	28332364	0.0104			
2	100	4.085	4.085	0.000	90625214	0.0103			
						RPD = 0.90			
20 gamma-BHC (Lindane)									
1	100	4.556	4.556	0.000	88058499	0.0283			
2	100	5.461	5.461	0.000	283752132	0.0272			
						RPD = 3.83			
22 Heptachlor									
1	100	5.181	5.181	0.000	77598857	0.0283			
2	100	6.283	6.282	0.001	255635057	0.0290			
						RPD = 2.63			
23 Heptachlor epoxide									
1	100	6.858	6.856	0.002	92155279	0.0339			
2	100	8.483	8.483	0.000	261668353	0.0314			
						RPD = 7.68			
17 Endrin									
1	100	8.816	8.818	-0.002	74303083	0.0304			
2	100	10.344	10.343	0.001	198760887	0.0282			
						RPD = 7.47			
27 Methoxychlor									
1	100	10.655	10.659	-0.004	47240315	0.0538			
2	100	12.281	12.283	-0.002	111402975	0.0482			
						RPD = 10.96			
$ 10 DCB Decachlorobiphenyl									
1	100	12.798	12.800	-0.002	24648732	0.009656			
2	100	14.238	14.240	-0.002	62782232	0.009242			
						RPD = 4.38			

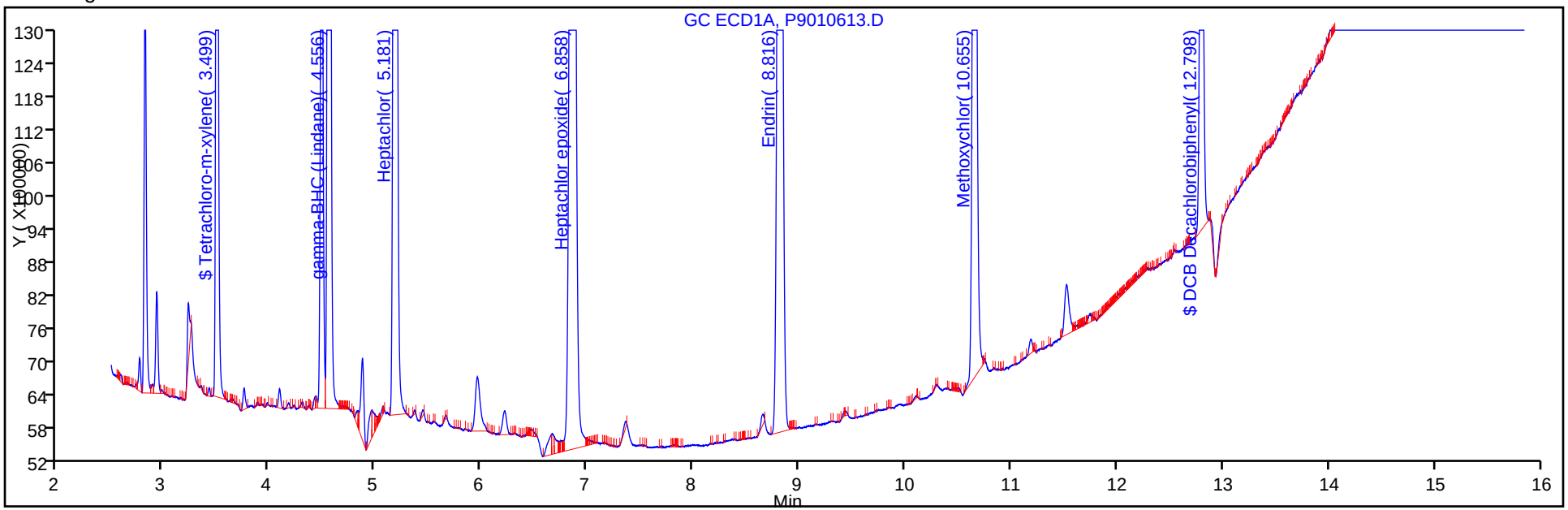
Report Date: 07-Jan-2013 07:09:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

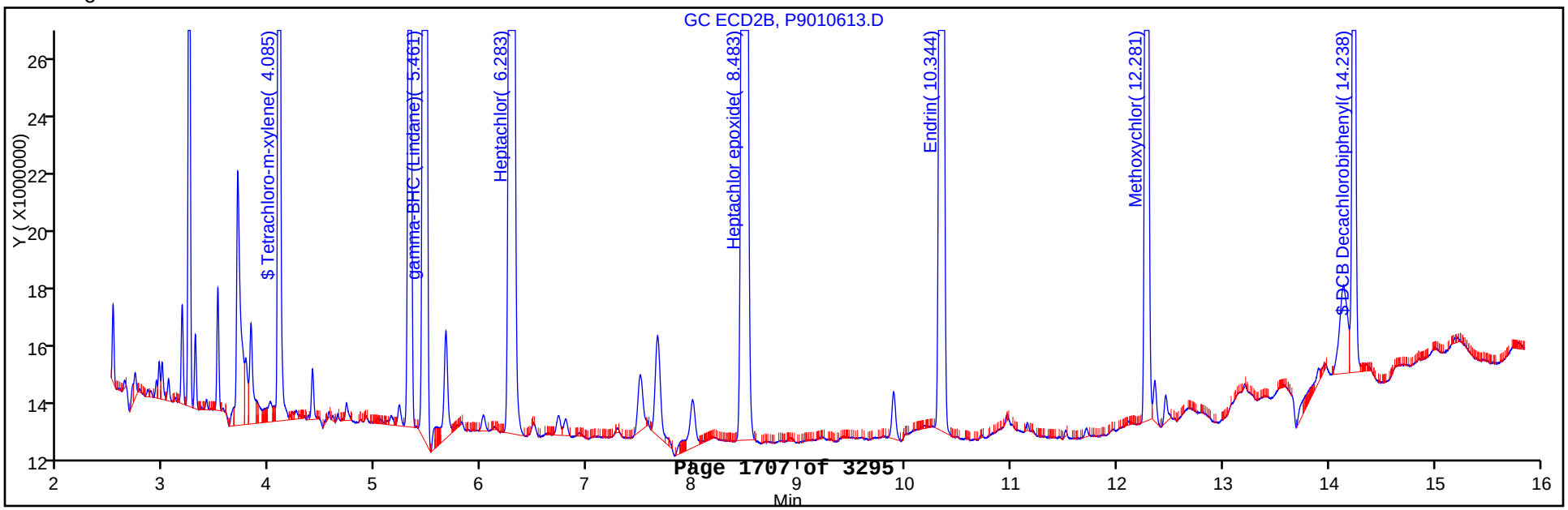
Data File: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010613.D

Injection Date:	06-Jan-2013 21:16:35	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71174	Lims Sample ID:	13
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-69152/8

Matrix: Water | Lab File ID: P9121808.D

Analysis Method: 8081/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/18/2012 11:51

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69152 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.00581		0.0050	0.0010	0.00096
72-55-9	4,4'-DDE	0.00545		0.0050	0.0010	0.00097
50-29-3	4,4'-DDT	0.00506		0.0050	0.0030	0.0016
309-00-2	Aldrin	0.00539		0.0050	0.0010	0.00082
319-84-6	alpha-BHC	0.00519		0.0050	0.0010	0.00070
5103-71-9	alpha-Chlordane	0.00565		0.0050	0.0010	0.0014
319-85-7	beta-BHC	0.00589		0.0050	0.0010	0.00084
319-86-8	delta-BHC	0.00528		0.0050	0.0010	0.00087
60-57-1	Dieldrin	0.00577		0.0050	0.0010	0.00075
959-98-8	Endosulfan I	0.00609		0.0050	0.0010	0.0013
33213-65-9	Endosulfan II	0.00597		0.0050	0.0010	0.0012
1031-07-8	Endosulfan sulfate	0.00585		0.0050	0.0010	0.0011
72-20-8	Endrin	0.00614		0.0050	0.0010	0.0011
7421-93-4	Endrin aldehyde	0.00595		0.0050	0.0010	0.0011
53494-70-5	Endrin ketone	0.00593		0.0050	0.0010	0.00078
58-89-9	gamma-BHC (Lindane)	0.00546		0.0050	0.0010	0.00064
5103-74-2	gamma-Chlordane	0.00566		0.0050	0.0010	0.0012
76-44-8	Heptachlor	0.00599		0.0050	0.0010	0.00080
1024-57-3	Heptachlor epoxide	0.00592		0.0050	0.0010	0.00071
72-43-5	Methoxychlor	0.00558	J	0.010	0.0030	0.0032

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\P9121808.D
Lims ID: MRL Client ID:
Inject. Date: 18-Dec-2012 11:51:26 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0015955-008
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 8
Lims Batch ID: 69152 Lims Sample ID: 8
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\PEST9.m
Last Update: 19-Dec-2012 12:50:05 Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK024

First Level Reviewer: vandorenc Date: 19-Dec-2012 12:36:35

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100		3.500						
2	100		4.091						
12 Diallate									
1	100		4.009						
1	2		4.188						
2	100		4.664						
2	2		4.769						
24 Hexachlorobenzene									
1	100		4.012						
2	100		4.758						
5 alpha-BHC									
1	100	4.183	4.183	0.000	17757959	0.005190			
2	100	4.916	4.917	-0.001	57370491	0.005312			
						RPD = 2.33			
20 gamma-BHC (Lindane)									
1	100	4.560	4.559	0.001	15912812	0.005461			
2	100	5.471	5.472	-0.001	52999563	0.005906			
						RPD = 7.82			
7 beta-BHC									
1	100	4.691	4.691	0.000	7368182	0.005893			
2	100	5.648	5.649	-0.001	25553767	0.006774			
						RPD = 13.90			
11 delta-BHC									
1	100	4.905	4.904	0.001	16176106	0.005283			
2	100	6.197	6.198	-0.001	53516394	0.005677			
						RPD = 7.18			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									
1	100		5.072						
1	2		5.927						
1	3		7.169						
1	4		7.517						
2	100		6.001						
2	2		7.502						
2	3		8.925						
2	4		9.240						
22 Heptachlor									
1	100	5.186	5.186	0.000	15894415	0.005987			
2	100	6.295	6.296	-0.001	53257843	0.006693			
						RPD = 11.15			
4 Aldrin									
1	100	5.637	5.636	0.001	17196249	0.005391			
2	100	7.011	7.012	-0.001	51246938	0.005790			
						RPD = 7.14			
25 Isodrin									
1	100		6.304						
2	100		8.124						
23 Heptachlor epoxide									
1	100	6.865	6.865	0.000	15266573	0.005915			
2	100	8.498	8.499	-0.001	47751040	0.006547			
						RPD = 10.14			
21 gamma-Chlordane									
1	100	7.171	7.170	0.001	15908732	0.005661			
2	100	8.926	8.926	0.000	47544425	0.006366			
						RPD = 11.72			
6 alpha-Chlordane									
1	100	7.521	7.520	0.001	16462140	0.005648			
2	100	9.238	9.239	-0.001	48436621	0.006406			
						RPD = 12.58			
14 Endosulfan I									
1	100	7.800	7.800	0.000	14792108	0.006087			
2	100	9.300	9.298	0.002	42405263	0.006846			
						RPD = 11.75			
2 4,4'-DDE									
1	100	7.901	7.902	-0.001	16257067	0.005447			
2	100	9.699	9.698	0.001	44756273	0.005968			
						RPD = 9.13			
13 Dieldrin									
1	100	8.365	8.366	-0.001	14407923	0.005769			
2	100	9.835	9.835	0.000	43413115	0.006377			
						RPD = 10.02			
17 Endrin									
1	100	8.825	8.824	0.001	13924323	0.006145			
2	100	10.357	10.357	0.000	40995849	0.006480			
						RPD = 5.31			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
26 Kepone									
1	100		9.002						
2	100		10.667						
1 4,4'-DDD									
1	100	9.187	9.185	0.002	10662846	0.005806			
2	100	10.729	10.728	0.001	68422499	0.006341			
						RPD = 8.82			
9 Chlorobenzilate									
1	100		9.231						
2	100		10.524						
15 Endosulfan II									
1	100	9.274	9.274	0.000	14078070	0.005965			
2	100	10.729	10.728	0.001	68422499	0.006254			
						RPD = 4.72			
30 Toxaphene									1
1	100		9.505						
1	2		9.950						
1	3		10.016						
1	4		10.601						
1	5		11.167						
2	100		10.893						
2	2		11.441						
2	3		11.843						
2	4		12.071						
2	5		12.458						
3 4,4'-DDT									
1	100	9.710	9.708	0.002	10092294	0.005060			
2	100	11.215	11.215	0.000	24889073	0.005049			
						RPD = 0.21			
18 Endrin aldehyde									
1	100	10.070	10.068	0.002	10701425	0.005946			
2	100	11.303	11.302	0.001	30560494	0.006459			
						RPD = 8.26			
28 Mirex									
1	100		10.476						
2	100		12.377						
27 Methoxychlor									
1	100	10.660	10.659	0.001	5218452	0.005579			
2	100	12.293	12.292	0.001	13156067	0.005286			
						RPD = 5.39			
16 Endosulfan sulfate									
1	100	10.791	10.791	0.000	12696546	0.005850			
2	100	11.735	11.736	-0.001	34579961	0.006106			
						RPD = 4.30			
19 Endrin ketone									
1	100	11.191	11.192	-0.001	13298447	0.005926			
2	100	12.474	12.473	0.001	33975671	0.005890			
						RPD = 0.60			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 10 DCB Decachlorobiphenyl									
1	100		12.803						
2	100		14.251						

QC Flag Legend

Processing Flags
1 - Missing Peaks

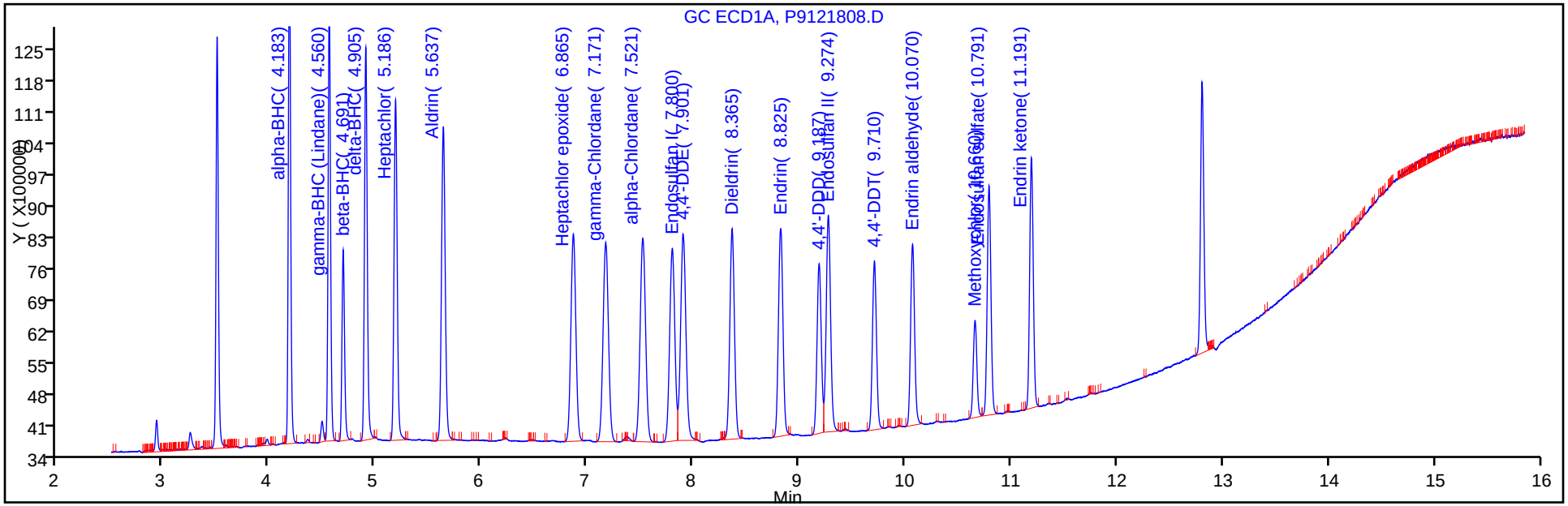
Report Date: 19-Dec-2012 12:50:06 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

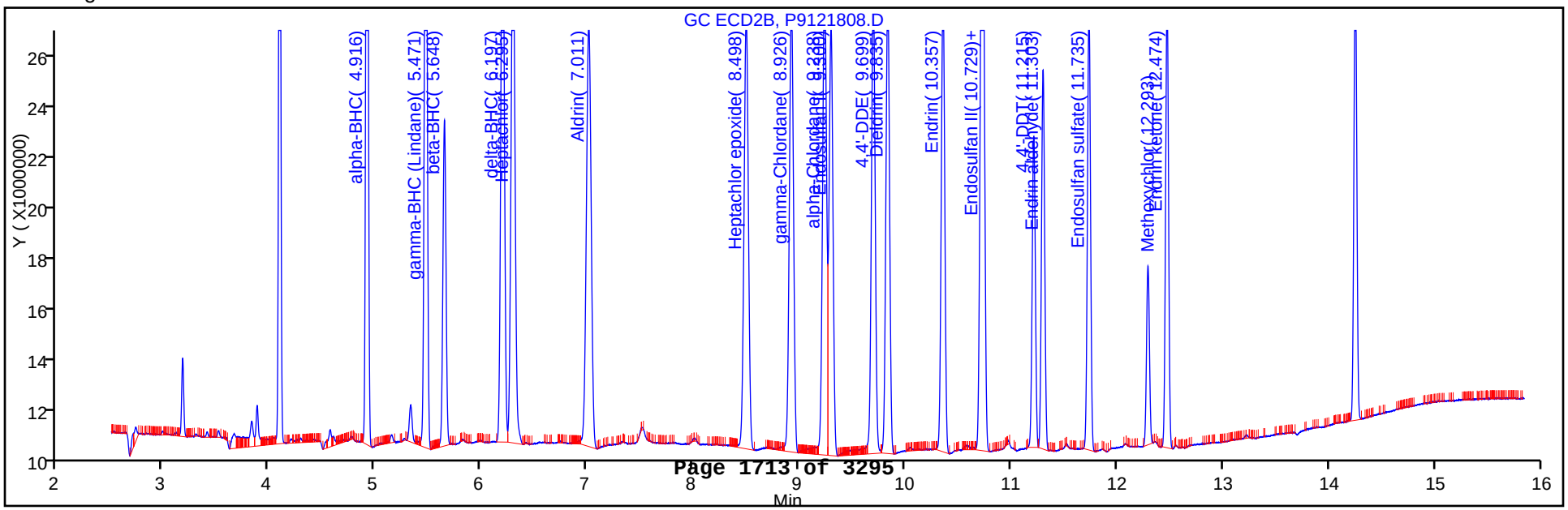
Data File: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\P9121808.D

Injection Date:	18-Dec-2012 11:51:26	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69152	Lims Sample ID:	8
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-69152/8

Matrix: Water Lab File ID: P9121808.D

Analysis Method: 8081/DOD Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 12/18/2012 11:51

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 69152 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	*4,4'-DDD*	*0.00634*		*0.0050*	0.0010	*0.00096*
72-55-9	*4,4'-DDE*	*0.00597*		*0.0050*	0.0010	*0.00097*
50-29-3	*4,4'-DDT*	*0.00505*		*0.0050*	0.0030	*0.0016*
309-00-2	*Aldrin*	*0.00579*		*0.0050*	0.0010	*0.00082*
319-84-6	*alpha-BHC*	*0.00531*		*0.0050*	0.0010	*0.00070*
5103-71-9	*alpha-Chlordane*	*0.00641*		*0.0050*	0.0010	*0.0014*
319-85-7	*beta-BHC*	*0.00677*	^	*0.0050*	0.0010	*0.00084*
319-86-8	*delta-BHC*	*0.00568*		*0.0050*	0.0010	*0.00087*
60-57-1	*Dieldrin*	*0.00638*		*0.0050*	0.0010	*0.00075*
959-98-8	*Endosulfan I*	*0.00685*	^	*0.0050*	0.0010	*0.0013*
33213-65-9	*Endosulfan II*	*0.00625*		*0.0050*	0.0010	*0.0012*
1031-07-8	*Endosulfan sulfate*	*0.00611*		*0.0050*	0.0010	*0.0011*
72-20-8	*Endrin*	*0.00648*		*0.0050*	0.0010	*0.0011*
7421-93-4	*Endrin aldehyde*	*0.00646*		*0.0050*	0.0010	*0.0011*
53494-70-5	*Endrin ketone*	*0.00589*		*0.0050*	0.0010	*0.00078*
58-89-9	*gamma-BHC (Lindane)*	*0.00591*		*0.0050*	0.0010	*0.00064*
5103-74-2	*gamma-Chlordane*	*0.00637*		*0.0050*	0.0010	*0.0012*
76-44-8	*Heptachlor*	*0.00669*	^	*0.0050*	0.0010	*0.00080*
1024-57-3	*Heptachlor epoxide*	*0.00655*	^	*0.0050*	0.0010	*0.00071*
72-43-5	*Methoxychlor*	*0.00529*	*J*	*0.010*	0.0030	*0.0032*

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\P9121808.D
Lims ID: MRL Client ID:
Inject. Date: 18-Dec-2012 11:51:26 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0015955-008
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 8
Lims Batch ID: 69152 Lims Sample ID: 8
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\PEST9.m
Last Update: 19-Dec-2012 12:50:05 Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK024

First Level Reviewer: vandorenc Date: 19-Dec-2012 12:36:35

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100		3.500						
2	100		4.091						
12 Diallate									
1	100		4.009						
1	2		4.188						
2	100		4.664						
2	2		4.769						
24 Hexachlorobenzene									
1	100		4.012						
2	100		4.758						
5 alpha-BHC									
1	100	4.183	4.183	0.000	17757959	0.005190			
2	100	4.916	4.917	-0.001	57370491	0.005312			
						RPD = 2.33			
20 gamma-BHC (Lindane)									
1	100	4.560	4.559	0.001	15912812	0.005461			
2	100	5.471	5.472	-0.001	52999563	0.005906			
						RPD = 7.82			
7 beta-BHC									
1	100	4.691	4.691	0.000	7368182	0.005893			
2	100	5.648	5.649	-0.001	25553767	0.006774			
						RPD = 13.90			
11 delta-BHC									
1	100	4.905	4.904	0.001	16176106	0.005283			
2	100	6.197	6.198	-0.001	53516394	0.005677			
						RPD = 7.18			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									
1	100		5.072						
1	2		5.927						
1	3		7.169						
1	4		7.517						
2	100		6.001						
2	2		7.502						
2	3		8.925						
2	4		9.240						
22 Heptachlor									
1	100	5.186	5.186	0.000	15894415	0.005987			
2	100	6.295	6.296	-0.001	53257843	0.006693			
						RPD = 11.15			
4 Aldrin									
1	100	5.637	5.636	0.001	17196249	0.005391			
2	100	7.011	7.012	-0.001	51246938	0.005790			
						RPD = 7.14			
25 Isodrin									
1	100		6.304						
2	100		8.124						
23 Heptachlor epoxide									
1	100	6.865	6.865	0.000	15266573	0.005915			
2	100	8.498	8.499	-0.001	47751040	0.006547			
						RPD = 10.14			
21 gamma-Chlordane									
1	100	7.171	7.170	0.001	15908732	0.005661			
2	100	8.926	8.926	0.000	47544425	0.006366			
						RPD = 11.72			
6 alpha-Chlordane									
1	100	7.521	7.520	0.001	16462140	0.005648			
2	100	9.238	9.239	-0.001	48436621	0.006406			
						RPD = 12.58			
14 Endosulfan I									
1	100	7.800	7.800	0.000	14792108	0.006087			
2	100	9.300	9.298	0.002	42405263	0.006846			
						RPD = 11.75			
2 4,4'-DDE									
1	100	7.901	7.902	-0.001	16257067	0.005447			
2	100	9.699	9.698	0.001	44756273	0.005968			
						RPD = 9.13			
13 Dieldrin									
1	100	8.365	8.366	-0.001	14407923	0.005769			
2	100	9.835	9.835	0.000	43413115	0.006377			
						RPD = 10.02			
17 Endrin									
1	100	8.825	8.824	0.001	13924323	0.006145			
2	100	10.357	10.357	0.000	40995849	0.006480			
						RPD = 5.31			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
26 Kepone									
1	100		9.002						
2	100		10.667						
1 4,4'-DDD									
1	100	9.187	9.185	0.002	10662846	0.005806			
2	100	10.729	10.728	0.001	68422499	0.006341			
						RPD = 8.82			
9 Chlorobenzilate									
1	100		9.231						
2	100		10.524						
15 Endosulfan II									
1	100	9.274	9.274	0.000	14078070	0.005965			
2	100	10.729	10.728	0.001	68422499	0.006254			
						RPD = 4.72			
30 Toxaphene									1
1	100		9.505						
1	2		9.950						
1	3		10.016						
1	4		10.601						
1	5		11.167						
2	100		10.893						
2	2		11.441						
2	3		11.843						
2	4		12.071						
2	5		12.458						
3 4,4'-DDT									
1	100	9.710	9.708	0.002	10092294	0.005060			
2	100	11.215	11.215	0.000	24889073	0.005049			
						RPD = 0.21			
18 Endrin aldehyde									
1	100	10.070	10.068	0.002	10701425	0.005946			
2	100	11.303	11.302	0.001	30560494	0.006459			
						RPD = 8.26			
28 Mirex									
1	100		10.476						
2	100		12.377						
27 Methoxychlor									
1	100	10.660	10.659	0.001	5218452	0.005579			
2	100	12.293	12.292	0.001	13156067	0.005286			
						RPD = 5.39			
16 Endosulfan sulfate									
1	100	10.791	10.791	0.000	12696546	0.005850			
2	100	11.735	11.736	-0.001	34579961	0.006106			
						RPD = 4.30			
19 Endrin ketone									
1	100	11.191	11.192	-0.001	13298447	0.005926			
2	100	12.474	12.473	0.001	33975671	0.005890			
						RPD = 0.60			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 10 DCB Decachlorobiphenyl									
1	100		12.803						
2	100		14.251						

QC Flag Legend

Processing Flags
1 - Missing Peaks

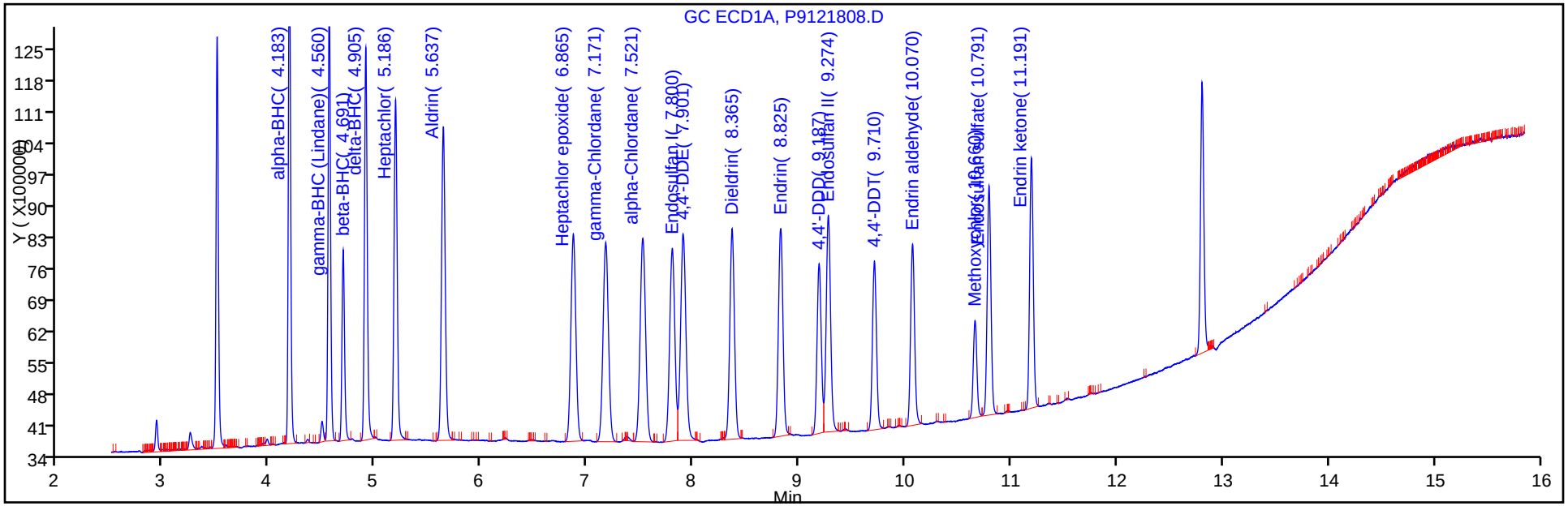
Report Date: 19-Dec-2012 12:50:07 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

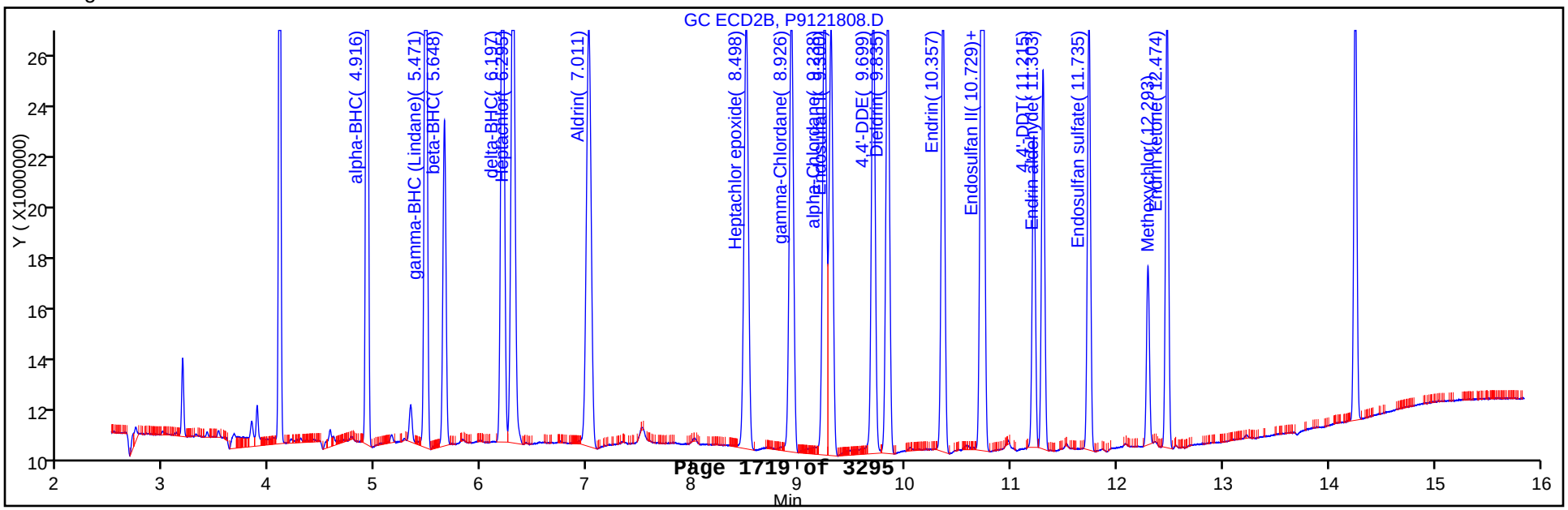
Data File: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\P9121808.D

Injection Date:	18-Dec-2012 11:51:26	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69152	Lims Sample ID:	8
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-69152/22

Matrix: Water | Lab File ID: P9121822.D

Analysis Method: 8081/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/18/2012 18:17

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69152 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.00506		0.0050	0.0010	0.00096
72-55-9	4,4'-DDE	0.00492	J	0.0050	0.0010	0.00097
50-29-3	4,4'-DDT	0.00437	J	0.0050	0.0030	0.0016
309-00-2	Aldrin	0.00481	J	0.0050	0.0010	0.00082
319-84-6	alpha-BHC	0.00463	J	0.0050	0.0010	0.00070
5103-71-9	alpha-Chlordane	0.00491	J	0.0050	0.0010	0.0014
319-85-7	beta-BHC	0.00513		0.0050	0.0010	0.00084
319-86-8	delta-BHC	0.00465	J	0.0050	0.0010	0.00087
60-57-1	Dieldrin	0.00499	J	0.0050	0.0010	0.00075
959-98-8	Endosulfan I	0.00533		0.0050	0.0010	0.0013
33213-65-9	Endosulfan II	0.00514		0.0050	0.0010	0.0012
1031-07-8	Endosulfan sulfate	0.00503		0.0050	0.0010	0.0011
72-20-8	Endrin	0.00530		0.0050	0.0010	0.0011
7421-93-4	Endrin aldehyde	0.00519		0.0050	0.0010	0.0011
53494-70-5	Endrin ketone	0.00512		0.0050	0.0010	0.00078
58-89-9	gamma-BHC (Lindane)	0.00480	J	0.0050	0.0010	0.00064
5103-74-2	gamma-Chlordane	0.00492	J	0.0050	0.0010	0.0012
76-44-8	Heptachlor	0.00526		0.0050	0.0010	0.00080
1024-57-3	Heptachlor epoxide	0.00510		0.0050	0.0010	0.00071
72-43-5	Methoxychlor	0.00467	J	0.010	0.0030	0.0032

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\P9121822.D
Lims ID: MRL Client ID:
Inject. Date: 18-Dec-2012 18:17:15 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0015955-022
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 22
Lims Batch ID: 69152 Lims Sample ID: 22
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\PEST9.m
Last Update: 19-Dec-2012 12:50:20 Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK024

First Level Reviewer: vandorenc Date: 19-Dec-2012 12:49:23

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100		3.501						
2	100		4.091						
12 Diallate									
1	100		4.009						
1	2		4.188						
2	100		4.664						
2	2		4.769						
24 Hexachlorobenzene									
1	100		4.012						
2	100		4.758						
5 alpha-BHC									
1	100	4.183	4.184	-0.001	15851237	0.004633			
2	100	4.917	4.917	0.000	49399462	0.004574			
						RPD = 1.28			
20 gamma-BHC (Lindane)									
1	100	4.559	4.560	-0.001	13975471	0.004796			
2	100	5.473	5.473	0.000	44790000	0.004991			
						RPD = 3.98			
7 beta-BHC									
1	100	4.690	4.691	-0.001	6416526	0.005132			
2	100	5.649	5.649	0.000	21293559	0.005645			
						RPD = 9.51			
11 delta-BHC									
1	100	4.904	4.905	-0.001	14230335	0.004648			
2	100	6.199	6.199	0.000	45667205	0.004844			
						RPD = 4.13			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									
1	100		5.072						
1	2		5.928						
1	3		7.171						
1	4		7.516						
2	100		6.002						
2	2		7.504						
2	3		8.926						
2	4		9.239						
22 Heptachlor									
1	100	5.185	5.186	-0.001	13957203	0.005257			
2	100	6.297	6.298	-0.001	45031305	0.005659			
						RPD = 7.37			
4 Aldrin									
1	100	5.638	5.636	0.002	15351526	0.004813			
2	100	7.014	7.013	0.001	43864988	0.004956			
						RPD = 2.94			
25 Isodrin									
1	100		6.304						
2	100		8.124						
23 Heptachlor epoxide									
1	100	6.866	6.866	0.000	13167220	0.005102			
2	100	8.501	8.500	0.001	40114608	0.005500			
						RPD = 7.51			
21 gamma-Chlordane									
1	100	7.171	7.171	0.000	13814967	0.004916			
2	100	8.927	8.927	0.000	39883962	0.005340			
						RPD = 8.27			
6 alpha-Chlordane									
1	100	7.524	7.521	0.003	14323444	0.004914			
2	100	9.240	9.240	0.000	40832632	0.005401			
						RPD = 9.43			
14 Endosulfan I									
1	100	7.799	7.800	-0.001	12960950	0.005333			
2	100	9.299	9.301	-0.002	36032999	0.005818			
						RPD = 8.69			
2 4,4'-DDE									
1	100	7.904	7.903	0.001	14694804	0.004923			
2	100	9.699	9.700	-0.001	38992182	0.005199			
						RPD = 5.45			
13 Dieldrin									
1	100	8.367	8.366	0.001	12468270	0.004992			
2	100	9.837	9.836	0.001	36544820	0.005368			
						RPD = 7.26			
17 Endrin									
1	100	8.824	8.825	-0.001	12015299	0.005302			
2	100	10.359	10.357	0.002	34346899	0.005429			
						RPD = 2.36			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
26 Kepone									
1	100		9.002						
2	100		10.667						
1 4,4'-DDD									
1	100	9.188	9.188	0.000	9287675	0.005057			
2	100	10.729	10.728	0.001	57147203	0.005296			
						RPD = 4.62			
9 Chlorobenzilate									
1	100		9.231						
2	100		10.524						
15 Endosulfan II									
1	100	9.274	9.275	-0.001	12123976	0.005137			
2	100	10.729	10.728	0.001	57147203	0.005223			
						RPD = 1.65			
30 Toxaphene									
1	100		9.503						
1	2		9.951						
1	3		10.019						
1	4		10.603						
1	5		11.168						
2	100		10.893						
2	2		11.440						
2	3		11.843						
2	4		12.071						
2	5		12.458						
3 4,4'-DDT									
1	100	9.709	9.709	0.000	8711251	0.004368			
2	100	11.216	11.215	0.001	20695040	0.004199			
						RPD = 3.94			
18 Endrin aldehyde									
1	100	10.069	10.071	-0.002	9334554	0.005187			
2	100	11.304	11.302	0.002	25610697	0.005413			
						RPD = 4.26			
28 Mirex									
1	100		10.476						
2	100		12.377						
27 Methoxychlor									
1	100	10.659	10.660	-0.001	4363823	0.004666			
2	100	12.295	12.293	0.002	10911176	0.004384			
						RPD = 6.22			
16 Endosulfan sulfate									
1	100	10.792	10.793	-0.001	10907588	0.005025			
2	100	11.738	11.736	0.002	28613345	0.005053			
						RPD = 0.54			
19 Endrin ketone									
1	100	11.194	11.193	0.001	11497499	0.005123			
2	100	12.474	12.473	0.001	27490216	0.004766			
						RPD = 7.23			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 10 DCB Decachlorobiphenyl									
1	100		12.805						
2	100		14.252						

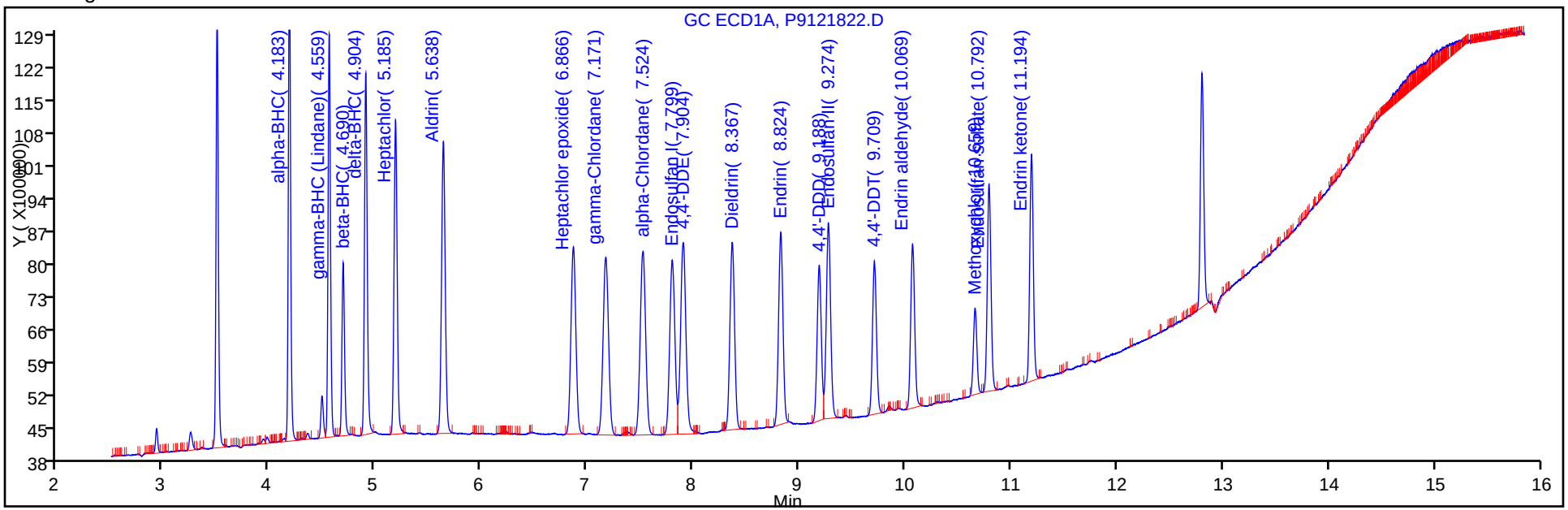
Report Date: 19-Dec-2012 12:50:22 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

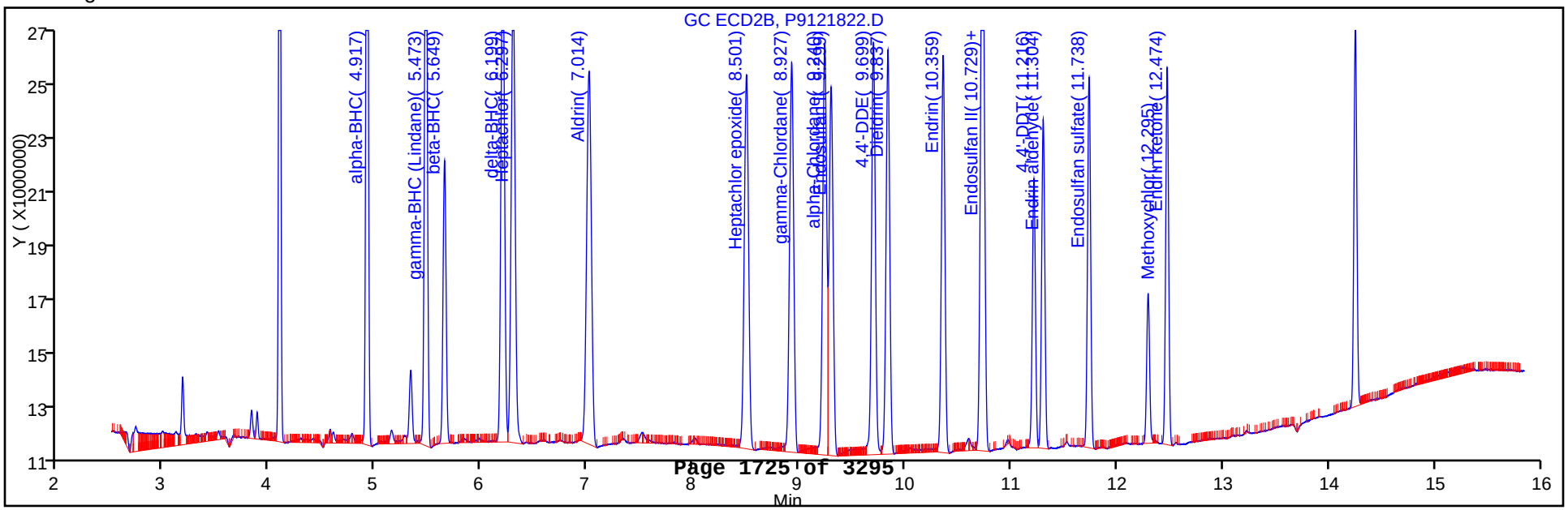
Data File: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\P9121822.D

Injection Date:	18-Dec-2012 18:17:15	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69152	Lims Sample ID:	22
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-69152/22

Matrix: Water | Lab File ID: P9121822.D

Analysis Method: 8081/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/18/2012 18:17

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69152 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	*4,4'-DDD*	*0.00530*		*0.0050*	0.0010	*0.00096*
72-55-9	*4,4'-DDE*	*0.00520*		*0.0050*	0.0010	*0.00097*
50-29-3	*4,4'-DDT*	*0.00420*	*J*	*0.0050*	0.0030	*0.0016*
309-00-2	*Aldrin*	*0.00496*	*J*	*0.0050*	0.0010	*0.00082*
319-84-6	*alpha-BHC*	*0.00457*	*J*	*0.0050*	0.0010	*0.00070*
5103-71-9	*alpha-Chlordane*	*0.00540*		*0.0050*	0.0010	*0.0014*
319-85-7	*beta-BHC*	*0.00564*		*0.0050*	0.0010	*0.00084*
319-86-8	*delta-BHC*	*0.00484*	*J*	*0.0050*	0.0010	*0.00087*
60-57-1	*Dieldrin*	*0.00537*		*0.0050*	0.0010	*0.00075*
959-98-8	*Endosulfan I*	*0.00582*		*0.0050*	0.0010	*0.0013*
33213-65-9	*Endosulfan II*	*0.00522*		*0.0050*	0.0010	*0.0012*
1031-07-8	*Endosulfan sulfate*	*0.00505*		*0.0050*	0.0010	*0.0011*
72-20-8	*Endrin*	*0.00543*		*0.0050*	0.0010	*0.0011*
7421-93-4	*Endrin aldehyde*	*0.00541*		*0.0050*	0.0010	*0.0011*
53494-70-5	*Endrin ketone*	*0.00477*	*J*	*0.0050*	0.0010	*0.00078*
58-89-9	*gamma-BHC (Lindane)*	*0.00499*	*J*	*0.0050*	0.0010	*0.00064*
5103-74-2	*gamma-Chlordane*	*0.00534*		*0.0050*	0.0010	*0.0012*
76-44-8	*Heptachlor*	*0.00566*		*0.0050*	0.0010	*0.00080*
1024-57-3	*Heptachlor epoxide*	*0.00550*		*0.0050*	0.0010	*0.00071*
72-43-5	*Methoxychlor*	*0.00438*	*J*	*0.010*	0.0030	*0.0032*

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\P9121822.D
Lims ID: MRL Client ID:
Inject. Date: 18-Dec-2012 18:17:15 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0015955-022
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 22
Lims Batch ID: 69152 Lims Sample ID: 22
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\PEST9.m
Last Update: 19-Dec-2012 12:50:20 Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK024

First Level Reviewer: vandorenc Date: 19-Dec-2012 12:49:23

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100		3.501						
2	100		4.091						
12 Diallate									
1	100		4.009						
1	2		4.188						
2	100		4.664						
2	2		4.769						
24 Hexachlorobenzene									
1	100		4.012						
2	100		4.758						
5 alpha-BHC									
1	100	4.183	4.184	-0.001	15851237	0.004633			
2	100	4.917	4.917	0.000	49399462	0.004574			
						RPD = 1.28			
20 gamma-BHC (Lindane)									
1	100	4.559	4.560	-0.001	13975471	0.004796			
2	100	5.473	5.473	0.000	44790000	0.004991			
						RPD = 3.98			
7 beta-BHC									
1	100	4.690	4.691	-0.001	6416526	0.005132			
2	100	5.649	5.649	0.000	21293559	0.005645			
						RPD = 9.51			
11 delta-BHC									
1	100	4.904	4.905	-0.001	14230335	0.004648			
2	100	6.199	6.199	0.000	45667205	0.004844			
						RPD = 4.13			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									
1	100		5.072						
1	2		5.928						
1	3		7.171						
1	4		7.516						
2	100		6.002						
2	2		7.504						
2	3		8.926						
2	4		9.239						
22 Heptachlor									
1	100	5.185	5.186	-0.001	13957203	0.005257			
2	100	6.297	6.298	-0.001	45031305	0.005659			
						RPD = 7.37			
4 Aldrin									
1	100	5.638	5.636	0.002	15351526	0.004813			
2	100	7.014	7.013	0.001	43864988	0.004956			
						RPD = 2.94			
25 Isodrin									
1	100		6.304						
2	100		8.124						
23 Heptachlor epoxide									
1	100	6.866	6.866	0.000	13167220	0.005102			
2	100	8.501	8.500	0.001	40114608	0.005500			
						RPD = 7.51			
21 gamma-Chlordane									
1	100	7.171	7.171	0.000	13814967	0.004916			
2	100	8.927	8.927	0.000	39883962	0.005340			
						RPD = 8.27			
6 alpha-Chlordane									
1	100	7.524	7.521	0.003	14323444	0.004914			
2	100	9.240	9.240	0.000	40832632	0.005401			
						RPD = 9.43			
14 Endosulfan I									
1	100	7.799	7.800	-0.001	12960950	0.005333			
2	100	9.299	9.301	-0.002	36032999	0.005818			
						RPD = 8.69			
2 4,4'-DDE									
1	100	7.904	7.903	0.001	14694804	0.004923			
2	100	9.699	9.700	-0.001	38992182	0.005199			
						RPD = 5.45			
13 Dieldrin									
1	100	8.367	8.366	0.001	12468270	0.004992			
2	100	9.837	9.836	0.001	36544820	0.005368			
						RPD = 7.26			
17 Endrin									
1	100	8.824	8.825	-0.001	12015299	0.005302			
2	100	10.359	10.357	0.002	34346899	0.005429			
						RPD = 2.36			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
26 Kepone									
1	100		9.002						
2	100		10.667						
1 4,4'-DDD									
1	100	9.188	9.188	0.000	9287675	0.005057			
2	100	10.729	10.728	0.001	57147203	0.005296			
						RPD = 4.62			
9 Chlorobenzilate									
1	100		9.231						
2	100		10.524						
15 Endosulfan II									
1	100	9.274	9.275	-0.001	12123976	0.005137			
2	100	10.729	10.728	0.001	57147203	0.005223			
						RPD = 1.65			
30 Toxaphene									
1	100		9.503						
1	2		9.951						
1	3		10.019						
1	4		10.603						
1	5		11.168						
2	100		10.893						
2	2		11.440						
2	3		11.843						
2	4		12.071						
2	5		12.458						
3 4,4'-DDT									
1	100	9.709	9.709	0.000	8711251	0.004368			
2	100	11.216	11.215	0.001	20695040	0.004199			
						RPD = 3.94			
18 Endrin aldehyde									
1	100	10.069	10.071	-0.002	9334554	0.005187			
2	100	11.304	11.302	0.002	25610697	0.005413			
						RPD = 4.26			
28 Mirex									
1	100		10.476						
2	100		12.377						
27 Methoxychlor									
1	100	10.659	10.660	-0.001	4363823	0.004666			
2	100	12.295	12.293	0.002	10911176	0.004384			
						RPD = 6.22			
16 Endosulfan sulfate									
1	100	10.792	10.793	-0.001	10907588	0.005025			
2	100	11.738	11.736	0.002	28613345	0.005053			
						RPD = 0.54			
19 Endrin ketone									
1	100	11.194	11.193	0.001	11497499	0.005123			
2	100	12.474	12.473	0.001	27490216	0.004766			
						RPD = 7.23			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 10 DCB Decachlorobiphenyl									
1	100		12.805						
2	100		14.252						

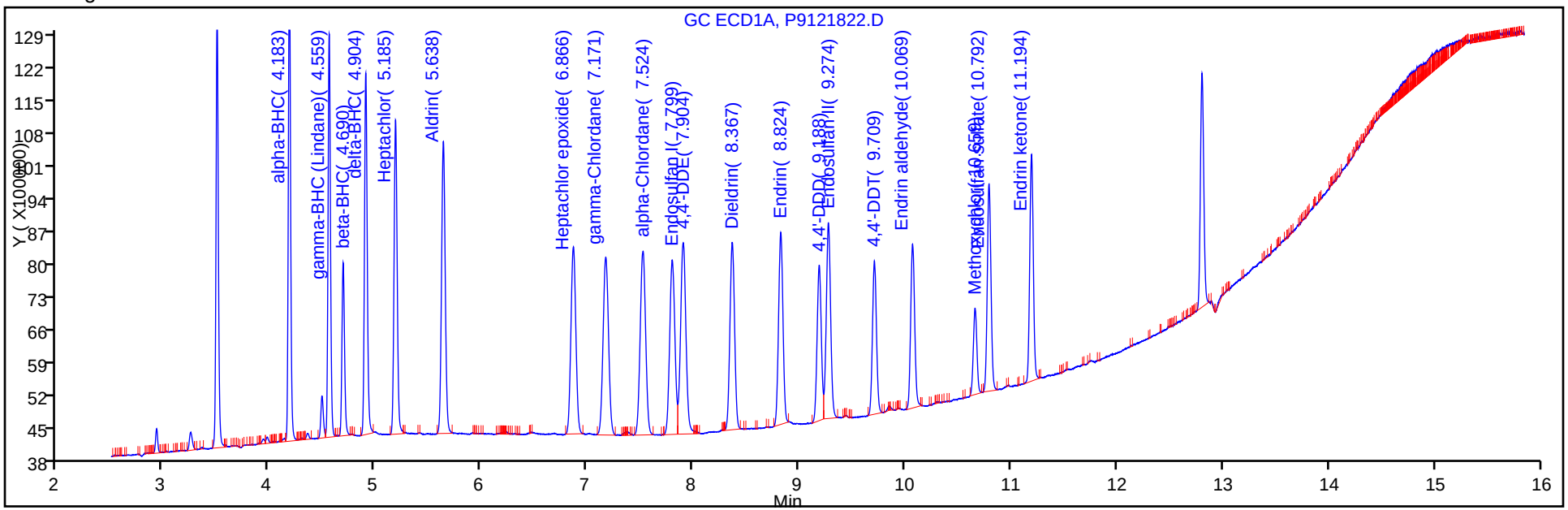
Report Date: 19-Dec-2012 12:50:22 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

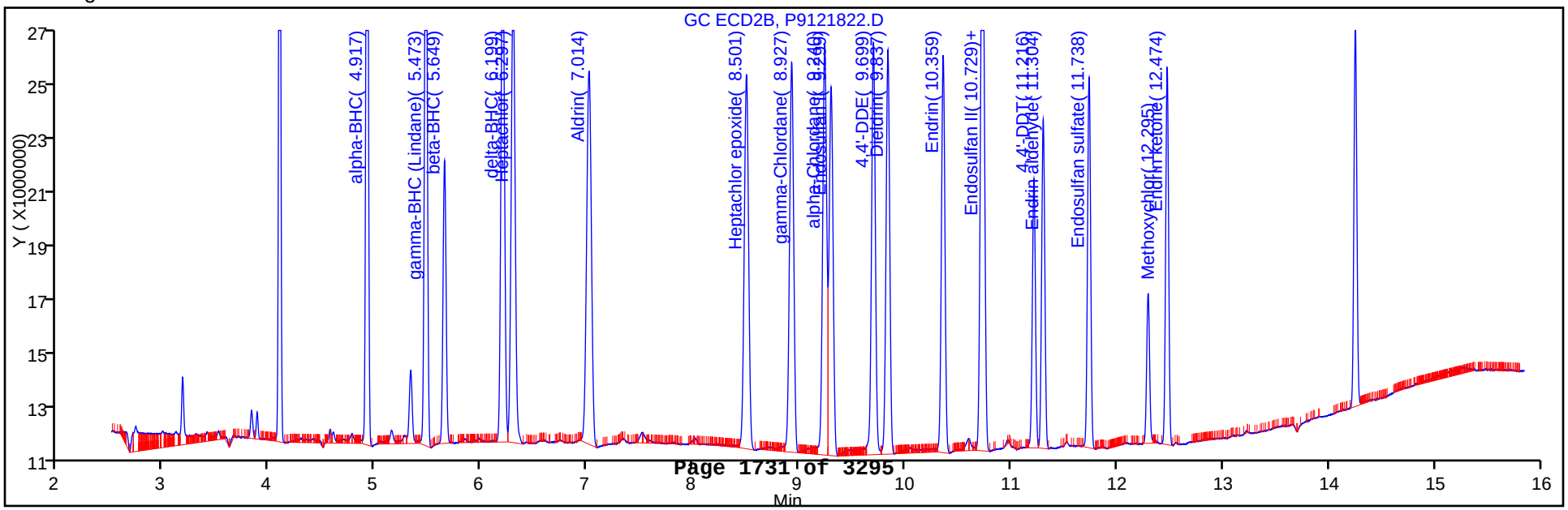
Data File: \\Ncchrom\ChromData\A2HP9\20121218-15955.b\P9121822.D

Injection Date:	18-Dec-2012 18:17:15	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69152	Lims Sample ID:	22
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-71174/8

Matrix: Solid Lab File ID: P9010608.D

Analysis Method: 8081/DOD Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 01/06/2013 19:07

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 71174 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-20-8	Endrin	0.00565		0.0010	0.0010	0.0011
58-89-9	gamma-BHC (Lindane)	0.00497		0.0010	0.0010	0.00064
76-44-8	Heptachlor	0.00557		0.0010	0.0010	0.00080
1024-57-3	Heptachlor epoxide	0.00550		0.0010	0.0010	0.00071
72-43-5	Methoxychlor	0.00362		0.0030	0.0030	0.0032

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010608.D
Lims ID: MRL Client ID:
Inject. Date: 06-Jan-2013 19:07:59 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0016400-008
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 8
Lims Batch ID: 71174 Lims Sample ID: 8
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\PEST9.m
Last Update: 07-Jan-2013 07:09:35 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK004

First Level Reviewer: vandorenc Date: 07-Jan-2013 06:35:08

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100		3.498						
2	100		4.085						
24 Hexachlorobenzene									
1	100		3.967						
2	100		4.693						
12 Diallate									1
1	100		4.056						
1	2		4.220						
2	100		4.655						
2	2		4.801						
5 alpha-BHC									
1	100	4.180	4.181	-0.001	17622495	0.004626			
2	100	4.907	4.908	-0.001	56477349	0.004286			
						RPD = 7.62			
20 gamma-BHC (Lindane)									
1	100	4.556	4.556	0.000	15482420	0.004969			
2	100	5.461	5.461	0.000	50640530	0.004855			
						RPD = 2.33			
7 beta-BHC									
1	100	4.687	4.688	-0.001	7072493	0.005213			
2	100	5.637	5.637	0.000	23379679	0.005359			
						RPD = 2.77			
11 delta-BHC									
1	100	4.902	4.901	0.001	14037350	0.004158			
2	100	6.185	6.186	-0.001	45345007	0.004177			
						RPD = 0.46			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									1
1	100		5.065						
1	2		5.918						
1	3		7.159						
1	4		7.504						
2	100		5.987						
2	2		7.482						
2	3		8.909						
2	4		9.223						
22 Heptachlor									
1	100	5.182	5.181	0.001	15285713	0.005571			
2	100	6.282	6.282	0.000	52092466	0.005917			
						RPD = 6.02			
4 Aldrin									
1	100	5.632	5.631	0.001	17074228	0.004802			
2	100	6.996	6.995	0.001	51246351	0.004820			
						RPD = 0.37			
25 Isodrin									
1	100		6.217						
2	100		7.994						
23 Heptachlor epoxide									
1	100	6.858	6.856	0.002	14965672	0.005500			
2	100	8.483	8.483	0.000	46601157	0.005585			
						RPD = 1.55			
21 gamma-Chlordane									
1	100	7.163	7.163	0.000	15416910	0.005033			
2	100	8.912	8.911	0.001	46245010	0.005178			
						RPD = 2.84			
6 alpha-Chlordane									
1	100	7.514	7.514	0.000	16145055	0.005113			
2	100	9.224	9.224	0.000	45857549	0.005182			
						RPD = 1.36			
14 Endosulfan I									
1	100	7.792	7.791	0.001	14237985	0.005565			
2	100	9.285	9.285	0.000	41624962	0.005835			
						RPD = 4.75			
2 4,4'-DDE									
1	100	7.899	7.898	0.001	14658995	0.004433			
2	100	9.690	9.688	0.002	40576338	0.004694			
						RPD = 5.70			
13 Dieldrin									
1	100	8.359	8.356	0.003	14195963	0.005347			
2	100	9.820	9.821	-0.001	42871548	0.005406			
						RPD = 1.10			
17 Endrin									
1	100	8.817	8.818	-0.001	13810064	0.005651			
2	100	10.343	10.343	0.000	39220808	0.005568			
						RPD = 1.49			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
26 Kepone									
1	100		8.909						
2	100		10.531						
1 4,4'-DDD									
1	100	9.191	9.188	0.003	8058534	0.004263			
2	100	10.720	10.718	0.002	64046729	0.005171			
						RPD = 19.24			
15 Endosulfan II									
1	100	9.269	9.266	0.003	14979151	0.005929			
2	100	10.720	10.718	0.002	64046729	0.005171			
						RPD = 13.66			
9 Chlorobenzilate									
1	100		9.280						
2	100		10.533						
30 Toxaphene									1
1	100		9.497						
1	2		9.948						
1	3		10.011						
1	4		10.596						
1	5		11.162						
2	100		10.881						
2	2		11.428						
2	3		11.831						
2	4		12.057						
2	5		12.445						
3 4,4'-DDT									
1	100	9.707	9.706	0.001	6930055	0.003692			
2	100	11.204	11.204	0.000	17270786	0.003702			
						RPD = 0.27			
18 Endrin aldehyde									
1	100	10.064	10.063	0.001	10236900	0.005567			
2	100	11.291	11.290	0.001	29147205	0.005550			
						RPD = 0.32			
28 Mirex									
1	100		10.476						
2	100		12.377						
27 Methoxychlor									
1	100	10.662	10.659	0.003	3175824	0.003618			
2	100	12.284	12.283	0.001	9552481	0.004135			
						RPD = 13.34			
16 Endosulfan sulfate									
1	100	10.788	10.786	0.002	10958124	0.004896			
2	100	11.724	11.722	0.002	30044102	0.004728			
						RPD = 3.48			
19 Endrin ketone									
1	100	11.187	11.187	0.000	12564107	0.005366			
2	100	12.461	12.460	0.001	31597620	0.005053			
						RPD = 6.02			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 10 DCB Decachlorobiphenyl									
1	100		12.800						
2	100		14.240						

QC Flag Legend

Processing Flags
1 - Missing Peaks

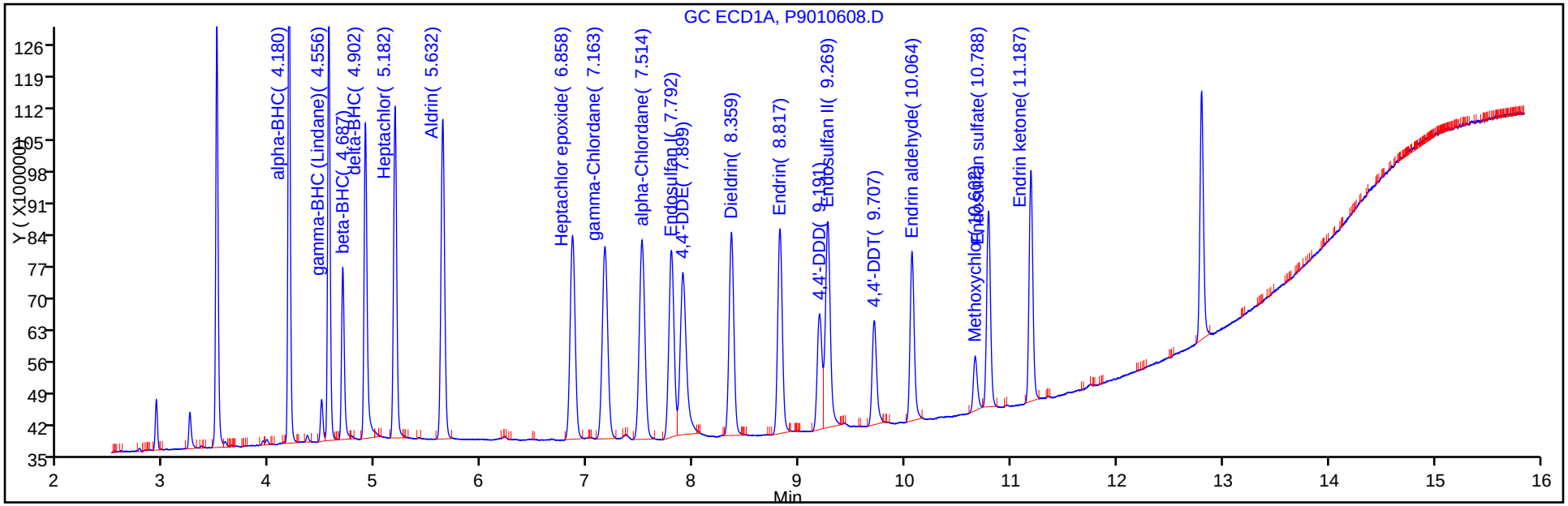
Report Date: 07-Jan-2013 07:09:39 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

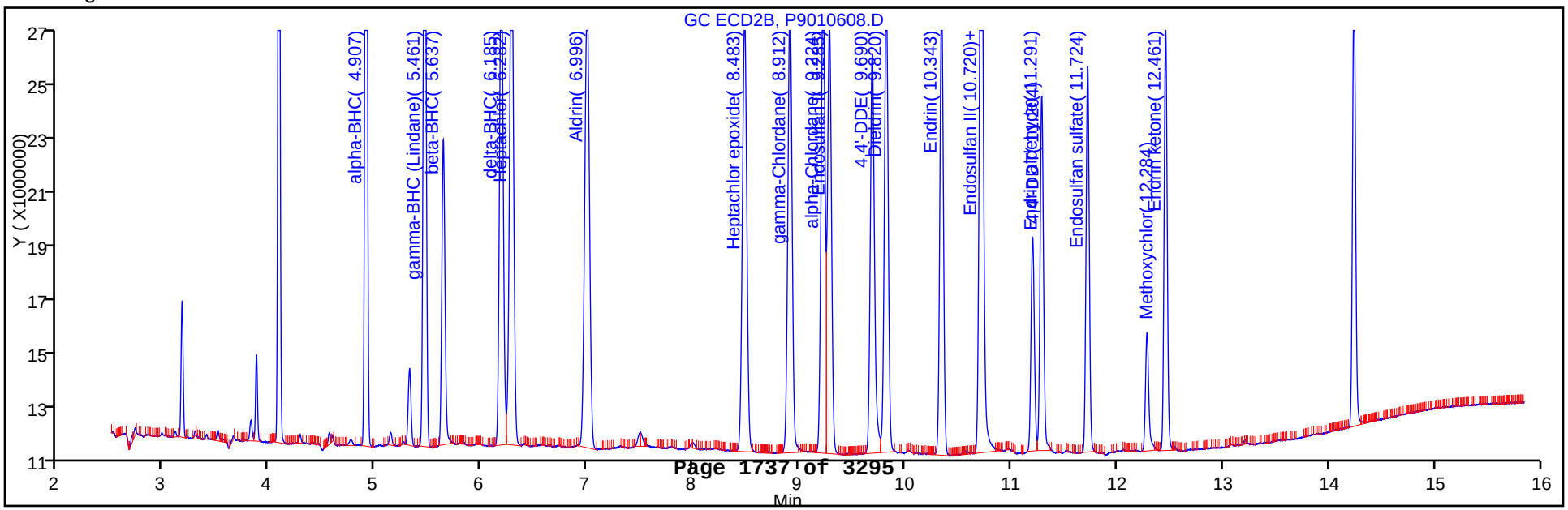
Data File: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010608.D

Injection Date:	06-Jan-2013 19:07:59	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71174	Lims Sample ID:	8
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-71174/8

Matrix: Solid | Lab File ID: P9010608.D

Analysis Method: 8081/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 01/06/2013 19:07

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 71174 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-20-8	*Endrin*	*0.00557*		*0.0010*	0.0010	*0.0011*
58-89-9	*gamma-BHC (Lindane)*	*0.00485*		*0.0010*	0.0010	*0.00064*
76-44-8	*Heptachlor*	*0.00592*		*0.0010*	0.0010	*0.00080*
1024-57-3	*Heptachlor epoxide*	*0.00559*		*0.0010*	0.0010	*0.00071*
72-43-5	*Methoxychlor*	*0.00413*		*0.0030*	0.0030	*0.0032*

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010608.D
Lims ID: MRL Client ID:
Inject. Date: 06-Jan-2013 19:07:59 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0016400-008
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 8
Lims Batch ID: 71174 Lims Sample ID: 8
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\PEST9.m
Last Update: 07-Jan-2013 07:09:35 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK004

First Level Reviewer: vandorenc Date: 07-Jan-2013 06:35:08

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100		3.498						
2	100		4.085						
24 Hexachlorobenzene									
1	100		3.967						
2	100		4.693						
12 Diallate									1
1	100		4.056						
1	2		4.220						
2	100		4.655						
2	2		4.801						
5 alpha-BHC									
1	100	4.180	4.181	-0.001	17622495	0.004626			
2	100	4.907	4.908	-0.001	56477349	0.004286			
						RPD = 7.62			
20 gamma-BHC (Lindane)									
1	100	4.556	4.556	0.000	15482420	0.004969			
2	100	5.461	5.461	0.000	50640530	0.004855			
						RPD = 2.33			
7 beta-BHC									
1	100	4.687	4.688	-0.001	7072493	0.005213			
2	100	5.637	5.637	0.000	23379679	0.005359			
						RPD = 2.77			
11 delta-BHC									
1	100	4.902	4.901	0.001	14037350	0.004158			
2	100	6.185	6.186	-0.001	45345007	0.004177			
						RPD = 0.46			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									1
1	100		5.065						
1	2		5.918						
1	3		7.159						
1	4		7.504						
2	100		5.987						
2	2		7.482						
2	3		8.909						
2	4		9.223						
22 Heptachlor									
1	100	5.182	5.181	0.001	15285713	0.005571			
2	100	6.282	6.282	0.000	52092466	0.005917			
						RPD = 6.02			
4 Aldrin									
1	100	5.632	5.631	0.001	17074228	0.004802			
2	100	6.996	6.995	0.001	51246351	0.004820			
						RPD = 0.37			
25 Isodrin									
1	100		6.217						
2	100		7.994						
23 Heptachlor epoxide									
1	100	6.858	6.856	0.002	14965672	0.005500			
2	100	8.483	8.483	0.000	46601157	0.005585			
						RPD = 1.55			
21 gamma-Chlordane									
1	100	7.163	7.163	0.000	15416910	0.005033			
2	100	8.912	8.911	0.001	46245010	0.005178			
						RPD = 2.84			
6 alpha-Chlordane									
1	100	7.514	7.514	0.000	16145055	0.005113			
2	100	9.224	9.224	0.000	45857549	0.005182			
						RPD = 1.36			
14 Endosulfan I									
1	100	7.792	7.791	0.001	14237985	0.005565			
2	100	9.285	9.285	0.000	41624962	0.005835			
						RPD = 4.75			
2 4,4'-DDE									
1	100	7.899	7.898	0.001	14658995	0.004433			
2	100	9.690	9.688	0.002	40576338	0.004694			
						RPD = 5.70			
13 Dieldrin									
1	100	8.359	8.356	0.003	14195963	0.005347			
2	100	9.820	9.821	-0.001	42871548	0.005406			
						RPD = 1.10			
17 Endrin									
1	100	8.817	8.818	-0.001	13810064	0.005651			
2	100	10.343	10.343	0.000	39220808	0.005568			
						RPD = 1.49			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
26 Kepone									
1	100		8.909						
2	100		10.531						
1 4,4'-DDD									
1	100	9.191	9.188	0.003	8058534	0.004263			
2	100	10.720	10.718	0.002	64046729	0.005171			
						RPD = 19.24			
15 Endosulfan II									
1	100	9.269	9.266	0.003	14979151	0.005929			
2	100	10.720	10.718	0.002	64046729	0.005171			
						RPD = 13.66			
9 Chlorobenzilate									
1	100		9.280						
2	100		10.533						
30 Toxaphene									1
1	100		9.497						
1	2		9.948						
1	3		10.011						
1	4		10.596						
1	5		11.162						
2	100		10.881						
2	2		11.428						
2	3		11.831						
2	4		12.057						
2	5		12.445						
3 4,4'-DDT									
1	100	9.707	9.706	0.001	6930055	0.003692			
2	100	11.204	11.204	0.000	17270786	0.003702			
						RPD = 0.27			
18 Endrin aldehyde									
1	100	10.064	10.063	0.001	10236900	0.005567			
2	100	11.291	11.290	0.001	29147205	0.005550			
						RPD = 0.32			
28 Mirex									
1	100		10.476						
2	100		12.377						
27 Methoxychlor									
1	100	10.662	10.659	0.003	3175824	0.003618			
2	100	12.284	12.283	0.001	9552481	0.004135			
						RPD = 13.34			
16 Endosulfan sulfate									
1	100	10.788	10.786	0.002	10958124	0.004896			
2	100	11.724	11.722	0.002	30044102	0.004728			
						RPD = 3.48			
19 Endrin ketone									
1	100	11.187	11.187	0.000	12564107	0.005366			
2	100	12.461	12.460	0.001	31597620	0.005053			
						RPD = 6.02			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 10 DCB Decachlorobiphenyl									
1	100		12.800						
2	100		14.240						

QC Flag Legend

Processing Flags
1 - Missing Peaks

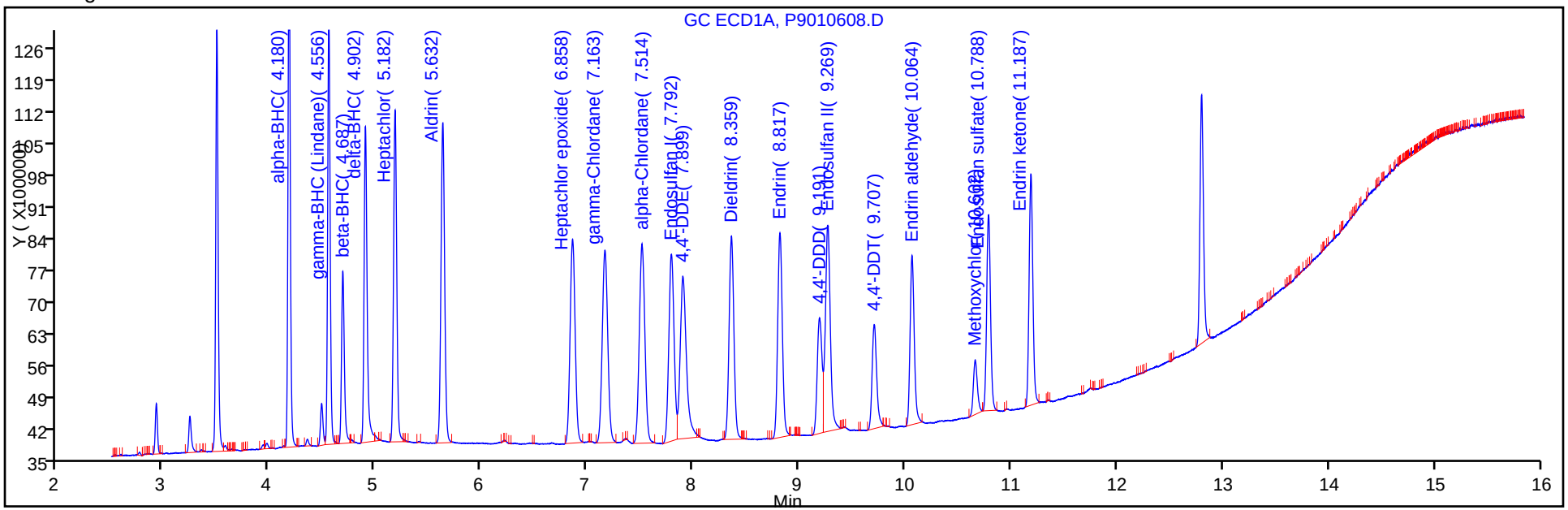
Report Date: 07-Jan-2013 07:09:39 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

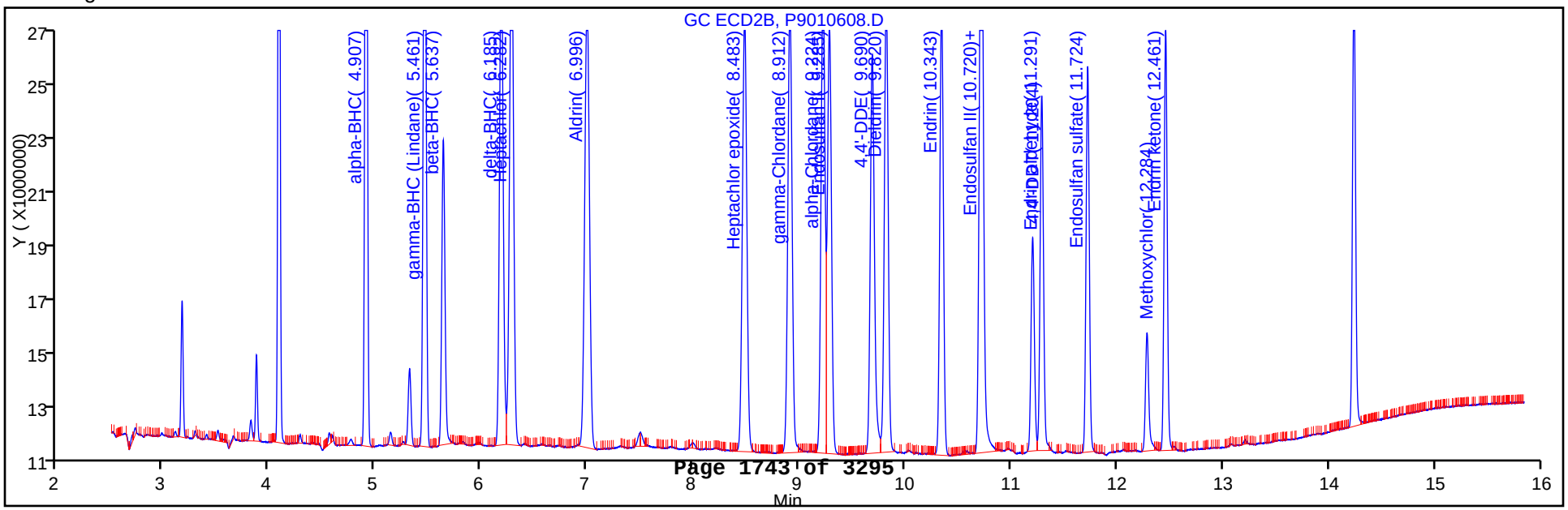
Data File: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010608.D

Injection Date:	06-Jan-2013 19:07:59	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71174	Lims Sample ID:	8
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-71174/21

Matrix: Solid Lab File ID: P9010621.D

Analysis Method: 8081/DOD Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 01/07/2013 00:52

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 71174 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-20-8	Endrin	0.00556		0.0010	0.0010	0.0011
58-89-9	gamma-BHC (Lindane)	0.00430		0.0010	0.0010	0.00064
76-44-8	Heptachlor	0.00573		0.0010	0.0010	0.00080
1024-57-3	Heptachlor epoxide	0.00584		0.0010	0.0010	0.00071
72-43-5	Methoxychlor	0.00460		0.0030	0.0030	0.0032

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010621.D
Lims ID: MRL Client ID:
Inject. Date: 07-Jan-2013 00:52:19 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0016400-021
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 21
Lims Batch ID: 71174 Lims Sample ID: 21
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\PEST9.m
Last Update: 07-Jan-2013 07:09:53 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK004

First Level Reviewer: vandorenc Date: 07-Jan-2013 07:08:53

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100		3.498						
2	100		4.084						
24 Hexachlorobenzene									
1	100		3.967						
2	100		4.693						
12 Diallate									1
1	100		4.056						
1	2		4.220						
2	100		4.655						
2	2		4.801						
5 alpha-BHC									
1	100	4.180	4.179	0.001	15411104	0.004045			
2	100	4.906	4.907	-0.001	48323086	0.003667			
						RPD = 9.80			
20 gamma-BHC (Lindane)									
1	100	4.555	4.556	-0.001	13400843	0.004301			
2	100	5.460	5.460	0.000	43541297	0.004174			
						RPD = 3.00			
7 beta-BHC									
1	100	4.687	4.688	-0.001	7237614	0.005334			
2	100	5.636	5.636	0.000	24177847	0.005542			
						RPD = 3.82			
11 delta-BHC									
1	100	4.900	4.901	-0.001	4722137	0.001399			
2	100	6.184	6.184	0.000	16021212	0.001476			
						RPD = 5.37			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									
1	100		5.065						
1	2		5.918						
1	3		7.159						
1	4		7.504						
2	100		5.987						
2	2		7.482						
2	3		8.909						
2	4		9.223						
22 Heptachlor									
1	100	5.180	5.180	0.000	15712532	0.005727			
2	100	6.281	6.281	0.000	52754969	0.005992			
						RPD = 4.53			
4 Aldrin									
1	100	5.631	5.631	0.000	18420358	0.005181			
2	100	6.995	6.994	0.001	54816110	0.005155			
						RPD = 0.49			
25 Isodrin									
1	100		6.217						
2	100		7.994						
23 Heptachlor epoxide									
1	100	6.855	6.856	-0.001	15900577	0.005843			
2	100	8.482	8.482	0.000	47686027	0.005715			
						RPD = 2.21			
21 gamma-Chlordane									
1	100	7.164	7.162	0.002	16112738	0.005260			
2	100	8.908	8.911	-0.003	43678382	0.004890			
						RPD = 7.28			
6 alpha-Chlordane									
1	100	7.512	7.513	-0.001	16952109	0.005368			
2	100	9.223	9.223	0.000	47145194	0.005328			
						RPD = 0.75			
14 Endosulfan I									
1	100	7.789	7.791	-0.002	14486263	0.005662			
2	100	9.283	9.284	-0.001	40527342	0.005682			
						RPD = 0.35			
2 4,4'-DDE									
1	100	7.897	7.896	0.001	18417237	0.005570			
2	100	9.685	9.686	-0.001	55957296	0.006473			
						RPD = 14.99			
13 Dieldrin									
1	100	8.356	8.357	-0.001	15114591	0.005693			
2	100	9.820	9.821	-0.001	43303969	0.005460			
						RPD = 4.17			
17 Endrin									
1	100	8.815	8.818	-0.003	13583696	0.005558			
2	100	10.342	10.343	-0.001	38561122	0.005474			
						RPD = 1.53			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
26 Kepone									
1	100		8.909						
2	100		10.531						
1 4,4'-DDD									
1	100	9.186	9.183	0.003	7923727	0.004192			
2	100	10.718	10.718	0.000	55153579	0.004453			
						RPD = 6.03			
15 Endosulfan II									
1	100	9.269	9.268	0.001	12857489	0.005089			
2	100	10.718	10.718	0.000	55153579	0.004453			
						RPD = 13.34			
9 Chlorobenzilate									
1	100		9.280						
2	100		10.533						
30 Toxaphene									1
1	100		9.494						
1	2		9.946						
1	3		10.008						
1	4		10.594						
1	5		11.158						
2	100		10.878						
2	2		11.426						
2	3		11.829						
2	4		12.054						
2	5		12.434						
3 4,4'-DDT									
1	100	9.705	9.704	0.001	5965687	0.003178			
2	100	11.202	11.203	-0.001	13972729	0.002995			
						RPD = 5.94			
18 Endrin aldehyde									
1	100	10.066	10.068	-0.002	8873615	0.004826			
2	100	11.291	11.291	0.000	24525895	0.004670			
						RPD = 3.29			
28 Mirex									
1	100		10.476						
2	100		12.377						
27 Methoxychlor									
1	100	10.657	10.656	0.001	4041915	0.004604			
2	100	12.282	12.281	0.001	9722488	0.004208			
						RPD = 8.98			
16 Endosulfan sulfate									
1	100	10.785	10.786	-0.001	5699996	0.002546			
2	100	11.723	11.723	0.000	14583158	0.002295			
						RPD = 10.39			
19 Endrin ketone									
1	100	11.187	11.187	0.000	7347554	0.003138			
2	100	12.459	12.459	0.000	16750808	0.002679			
						RPD = 15.80			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 10 DCB Decachlorobiphenyl									
1	100		12.798						
2	100		14.238						

QC Flag Legend

Processing Flags
1 - Missing Peaks

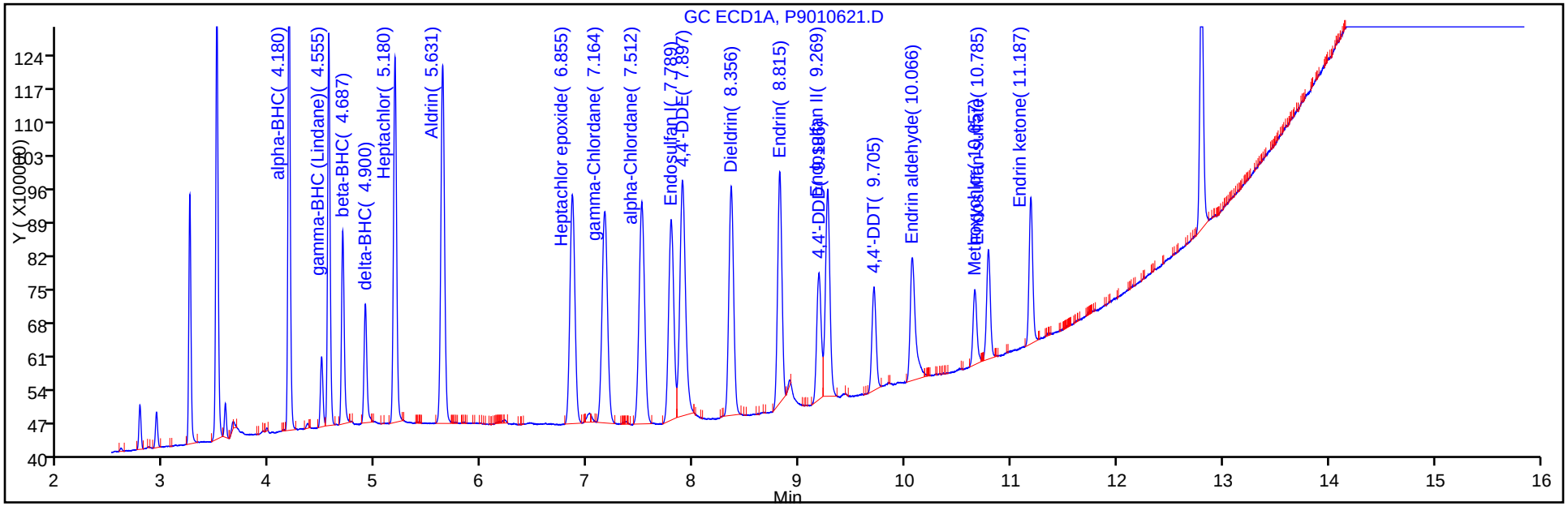
Report Date: 07-Jan-2013 07:09:55 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

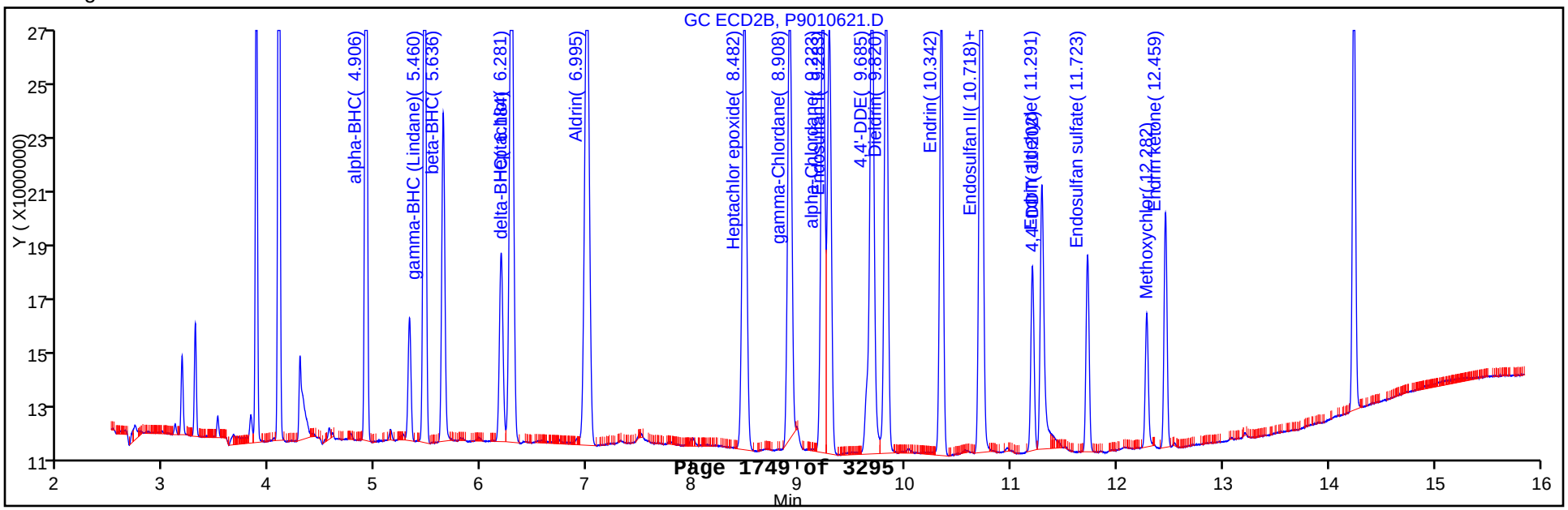
Data File: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010621.D

Injection Date:	07-Jan-2013 00:52:19	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71174	Lims Sample ID:	21
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-71174/21

Matrix: Solid | Lab File ID: P9010621.D

Analysis Method: 8081/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 01/07/2013 00:52

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 71174 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-20-8	*Endrin*	*0.00547*		*0.0010*	0.0010	*0.0011*
58-89-9	*gamma-BHC (Lindane)*	*0.00417*		*0.0010*	0.0010	*0.00064*
76-44-8	*Heptachlor*	*0.00599*		*0.0010*	0.0010	*0.00080*
1024-57-3	*Heptachlor epoxide*	*0.00572*		*0.0010*	0.0010	*0.00071*
72-43-5	*Methoxychlor*	*0.00421*		*0.0030*	0.0030	*0.0032*

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010621.D
Lims ID: MRL Client ID:
Inject. Date: 07-Jan-2013 00:52:19 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0016400-021
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 21
Lims Batch ID: 71174 Lims Sample ID: 21
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\PEST9.m
Last Update: 07-Jan-2013 07:09:53 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK004

First Level Reviewer: vandorenc Date: 07-Jan-2013 07:08:53

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100		3.498						
2	100		4.084						
24 Hexachlorobenzene									
1	100		3.967						
2	100		4.693						
12 Diallate									1
1	100		4.056						
1	2		4.220						
2	100		4.655						
2	2		4.801						
5 alpha-BHC									
1	100	4.180	4.179	0.001	15411104	0.004045			
2	100	4.906	4.907	-0.001	48323086	0.003667			
						RPD = 9.80			
20 gamma-BHC (Lindane)									
1	100	4.555	4.556	-0.001	13400843	0.004301			
2	100	5.460	5.460	0.000	43541297	0.004174			
						RPD = 3.00			
7 beta-BHC									
1	100	4.687	4.688	-0.001	7237614	0.005334			
2	100	5.636	5.636	0.000	24177847	0.005542			
						RPD = 3.82			
11 delta-BHC									
1	100	4.900	4.901	-0.001	4722137	0.001399			
2	100	6.184	6.184	0.000	16021212	0.001476			
						RPD = 5.37			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									
1	100		5.065						
1	2		5.918						
1	3		7.159						
1	4		7.504						
2	100		5.987						
2	2		7.482						
2	3		8.909						
2	4		9.223						
22 Heptachlor									
1	100	5.180	5.180	0.000	15712532	0.005727			
2	100	6.281	6.281	0.000	52754969	0.005992			
						RPD = 4.53			
4 Aldrin									
1	100	5.631	5.631	0.000	18420358	0.005181			
2	100	6.995	6.994	0.001	54816110	0.005155			
						RPD = 0.49			
25 Isodrin									
1	100		6.217						
2	100		7.994						
23 Heptachlor epoxide									
1	100	6.855	6.856	-0.001	15900577	0.005843			
2	100	8.482	8.482	0.000	47686027	0.005715			
						RPD = 2.21			
21 gamma-Chlordane									
1	100	7.164	7.162	0.002	16112738	0.005260			
2	100	8.908	8.911	-0.003	43678382	0.004890			
						RPD = 7.28			
6 alpha-Chlordane									
1	100	7.512	7.513	-0.001	16952109	0.005368			
2	100	9.223	9.223	0.000	47145194	0.005328			
						RPD = 0.75			
14 Endosulfan I									
1	100	7.789	7.791	-0.002	14486263	0.005662			
2	100	9.283	9.284	-0.001	40527342	0.005682			
						RPD = 0.35			
2 4,4'-DDE									
1	100	7.897	7.896	0.001	18417237	0.005570			
2	100	9.685	9.686	-0.001	55957296	0.006473			
						RPD = 14.99			
13 Dieldrin									
1	100	8.356	8.357	-0.001	15114591	0.005693			
2	100	9.820	9.821	-0.001	43303969	0.005460			
						RPD = 4.17			
17 Endrin									
1	100	8.815	8.818	-0.003	13583696	0.005558			
2	100	10.342	10.343	-0.001	38561122	0.005474			
						RPD = 1.53			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
26 Kepone									
1	100		8.909						
2	100		10.531						
1 4,4'-DDD									
1	100	9.186	9.183	0.003	7923727	0.004192			
2	100	10.718	10.718	0.000	55153579	0.004453			
						RPD = 6.03			
15 Endosulfan II									
1	100	9.269	9.268	0.001	12857489	0.005089			
2	100	10.718	10.718	0.000	55153579	0.004453			
						RPD = 13.34			
9 Chlorobenzilate									
1	100		9.280						
2	100		10.533						
30 Toxaphene									1
1	100		9.494						
1	2		9.946						
1	3		10.008						
1	4		10.594						
1	5		11.158						
2	100		10.878						
2	2		11.426						
2	3		11.829						
2	4		12.054						
2	5		12.434						
3 4,4'-DDT									
1	100	9.705	9.704	0.001	5965687	0.003178			
2	100	11.202	11.203	-0.001	13972729	0.002995			
						RPD = 5.94			
18 Endrin aldehyde									
1	100	10.066	10.068	-0.002	8873615	0.004826			
2	100	11.291	11.291	0.000	24525895	0.004670			
						RPD = 3.29			
28 Mirex									
1	100		10.476						
2	100		12.377						
27 Methoxychlor									
1	100	10.657	10.656	0.001	4041915	0.004604			
2	100	12.282	12.281	0.001	9722488	0.004208			
						RPD = 8.98			
16 Endosulfan sulfate									
1	100	10.785	10.786	-0.001	5699996	0.002546			
2	100	11.723	11.723	0.000	14583158	0.002295			
						RPD = 10.39			
19 Endrin ketone									
1	100	11.187	11.187	0.000	7347554	0.003138			
2	100	12.459	12.459	0.000	16750808	0.002679			
						RPD = 15.80			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 10 DCB Decachlorobiphenyl									
1	100		12.798						
2	100		14.238						

QC Flag Legend

Processing Flags
1 - Missing Peaks

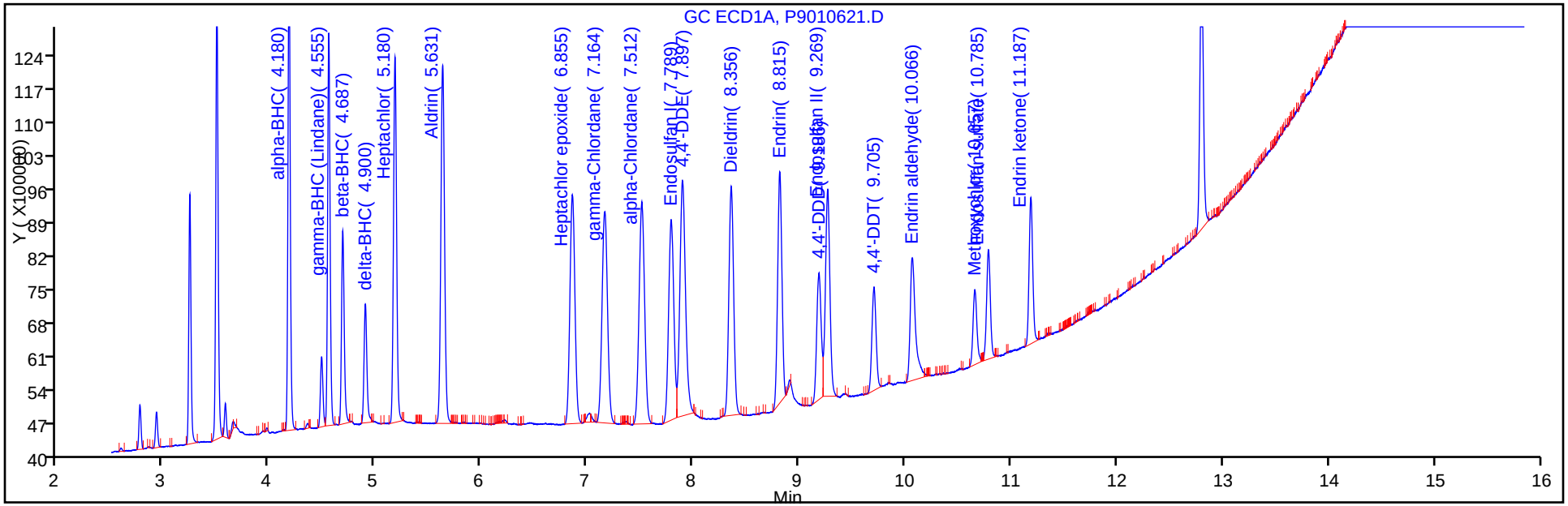
Report Date: 07-Jan-2013 07:09:55 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

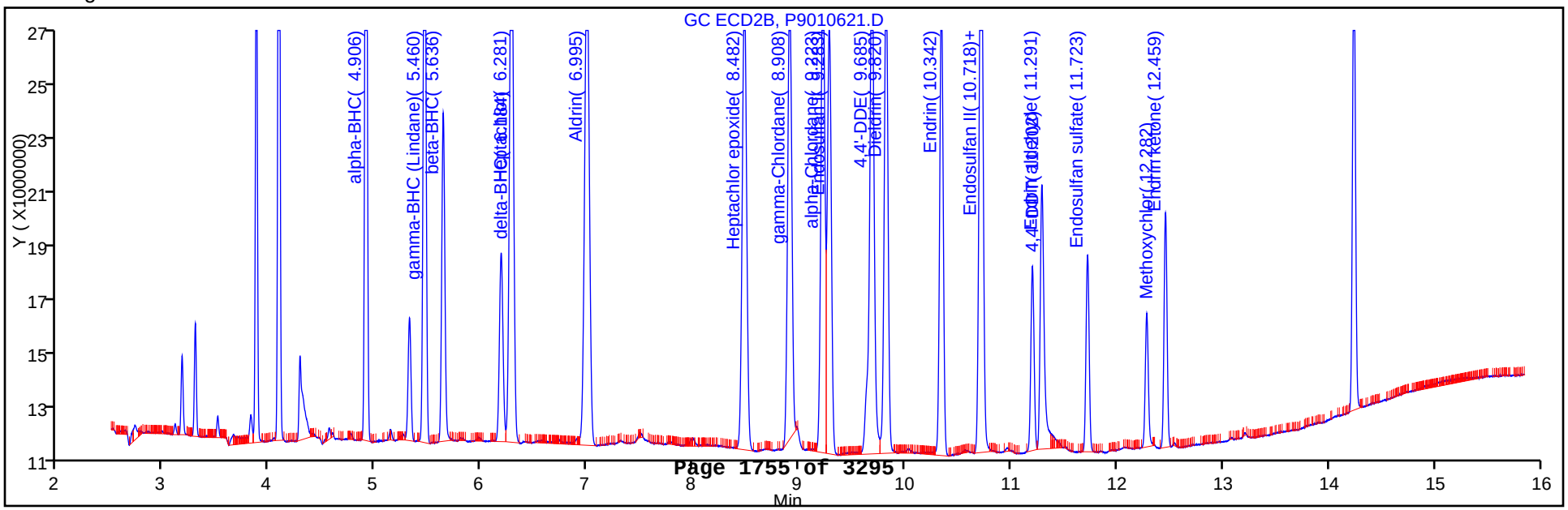
Data File: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010621.D

Injection Date:	07-Jan-2013 00:52:19	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71174	Lims Sample ID:	21
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: 070-0059-0001-IDW MS | Lab Sample ID: 240-18735-6 MS

Matrix: Water (TCLP) | Lab File ID: P9010611.D

Analysis Method: 8081/DOD | Date Collected: 12/12/2012 13:30

Extraction Method: 3520C | Date Extracted: 12/24/2012 10:33

Sample wt/vol: 250(mL) | Date Analyzed: 01/06/2013 20:23

Con. Extract Vol.: 3(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 71174 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
57-74-9	Chlordane (technical)	0.00040	U	0.15	0.00040	0.00040
72-20-8	Endrin	0.00178	J D	0.050	0.00013	0.00013
58-89-9	gamma-BHC (Lindane)	0.00160	J D	0.050	0.00012	0.000077
76-44-8	Heptachlor	0.00174	J D	0.050	0.00012	0.000096
1024-57-3	Heptachlor epoxide	0.00195	J D	0.050	0.00012	0.000085
72-43-5	Methoxychlor	0.00310	J D	0.15	0.00038	0.00038

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	18	Q	44-144
877-09-8	Tetrachloro-m-xylene	88		44-127

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010611.D
Lims ID: 240-18735-F-6-H MS
Client ID:
Inject. Date: 06-Jan-2013 20:23:19
Dil. Factor: 5.0000
Sample Type: MS
Sample ID: 240-0016400-011
Misc. Info.:
Operator: 093905
Instrument ID: A2HP9
Injection Vol: 1.0 ul
ALS Bottle#: 11
Lims Batch ID: 71174
Lims Sample ID: 11
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\PEST9.m
Last Update: 07-Jan-2013 07:30:57
Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK004

First Level Reviewer: vandorenc
Date: 07-Jan-2013 07:30:57

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.498	3.498	0.000	31768545	0.0117			
2	100	4.085	4.085	0.000	96265870	0.0110			
						RPD = 6.31			
20 gamma-BHC (Lindane)									
1	100	4.555	4.556	-0.001	83261801	0.0267			
2	100	5.462	5.461	0.001	268004773	0.0257			
						RPD = 3.93			
8 Chlordane (technical)									1
1	100		5.065						
1	2		5.918						
1	3		7.159						
1	4		7.504						
2	100		5.987						
2	2		7.482						
2	3		8.909						
2	4		9.223						
22 Heptachlor									
1	100	5.181	5.181	0.000	79442823	0.0290			
2	100	6.283	6.282	0.001	242688994	0.0276			
						RPD = 4.91			
23 Heptachlor epoxide									
1	100	6.858	6.856	0.002	88659484	0.0326			
2	100	8.483	8.483	0.000	265152650	0.0318			
						RPD = 2.49			
17 Endrin									
1	100	8.816	8.818	-0.002	72490664	0.0297			
2	100	10.343	10.343	0.000	206222329	0.0293			
						RPD = 1.32			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									
1	100		9.497						
1	2		9.948						
1	3		10.011						
1	4		10.596						
1	5		11.162						
2	100		10.881						
2	2		11.428						
2	3		11.831						
2	4		12.057						
2	5		12.445						
27 Methoxychlor									
1	100	10.655	10.659	-0.004	45340694	0.0516			
2	100	12.280	12.283	-0.003	105283675	0.0456			
						RPD = 12.50			
$ 10 DCB Decachlorobiphenyl									
1	100	12.798	12.800	-0.002	6134664	0.002403			
2	100	14.238	14.240	-0.002	16150242	0.002377			
						RPD = 1.07			

QC Flag Legend

Processing Flags
1 - Missing Peaks

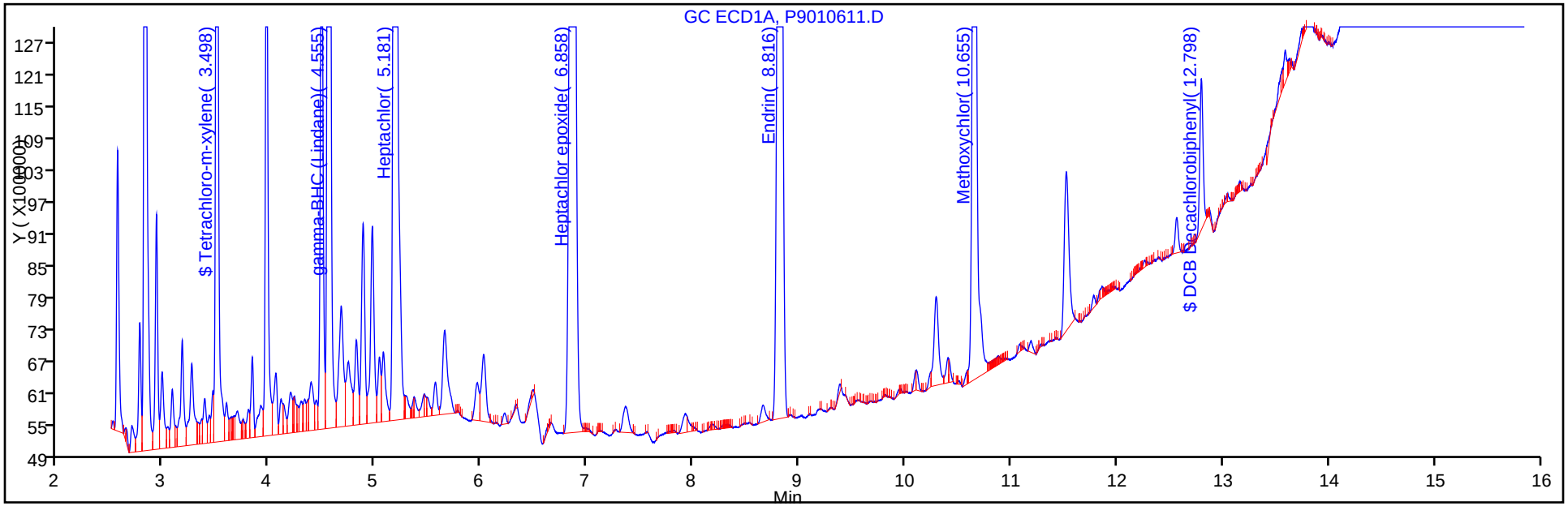
Report Date: 07-Jan-2013 07:30:57 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

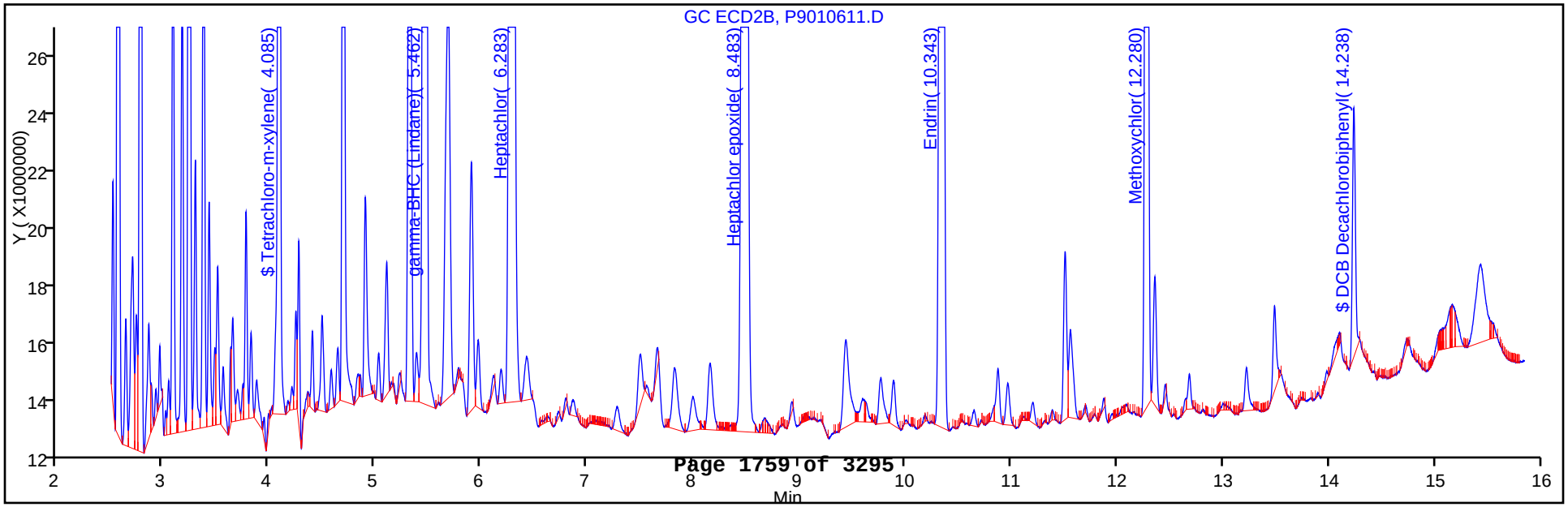
Data File: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010611.D

Injection Date:	06-Jan-2013 20:23:19	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71174	Lims Sample ID:	11
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Client Sample ID: 070-0059-0001-IDW MS Lab Sample ID: 240-18735-6 MS

Matrix: Water (TCLP) Lab File ID: P9010611.D

Analysis Method: 8081/DOD Date Collected: 12/12/2012 13:30

Extraction Method: 3520C Date Extracted: 12/24/2012 10:33

Sample wt/vol: 250(mL) Date Analyzed: 01/06/2013 20:23

Con. Extract Vol.: 3(mL) Dilution Factor: 5

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 71174 Units: mg/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	18	Q	44-144
877-09-8	Tetrachloro-m-xylene	82		44-127

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010611.D
Lims ID: 240-18735-F-6-H MS
Client ID:
Inject. Date: 06-Jan-2013 20:23:19
Dil. Factor: 5.0000
Sample Type: MS
Sample ID: 240-0016400-011
Misc. Info.:
Operator: 093905
Instrument ID: A2HP9
Injection Vol: 1.0 ul
ALS Bottle#: 11
Lims Batch ID: 71174
Lims Sample ID: 11
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\PEST9.m
Last Update: 07-Jan-2013 07:30:57
Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK004

First Level Reviewer: vandorenc
Date: 07-Jan-2013 07:30:57

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.498	3.498	0.000	31768545	0.0117			
2	100	4.085	4.085	0.000	96265870	0.0110			
						RPD = 6.31			
20 gamma-BHC (Lindane)									
1	100	4.555	4.556	-0.001	83261801	0.0267			
2	100	5.462	5.461	0.001	268004773	0.0257			
						RPD = 3.93			
8 Chlordane (technical)									1
1	100		5.065						
1	2		5.918						
1	3		7.159						
1	4		7.504						
2	100		5.987						
2	2		7.482						
2	3		8.909						
2	4		9.223						
22 Heptachlor									
1	100	5.181	5.181	0.000	79442823	0.0290			
2	100	6.283	6.282	0.001	242688994	0.0276			
						RPD = 4.91			
23 Heptachlor epoxide									
1	100	6.858	6.856	0.002	88659484	0.0326			
2	100	8.483	8.483	0.000	265152650	0.0318			
						RPD = 2.49			
17 Endrin									
1	100	8.816	8.818	-0.002	72490664	0.0297			
2	100	10.343	10.343	0.000	206222329	0.0293			
						RPD = 1.32			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									
1	100		9.497						
1	2		9.948						
1	3		10.011						
1	4		10.596						
1	5		11.162						
2	100		10.881						
2	2		11.428						
2	3		11.831						
2	4		12.057						
2	5		12.445						
27 Methoxychlor									
1	100	10.655	10.659	-0.004	45340694	0.0516			
2	100	12.280	12.283	-0.003	105283675	0.0456			
						RPD = 12.50			
$ 10 DCB Decachlorobiphenyl									
1	100	12.798	12.800	-0.002	6134664	0.002403			
2	100	14.238	14.240	-0.002	16150242	0.002377			
						RPD = 1.07			

QC Flag Legend

Processing Flags
1 - Missing Peaks

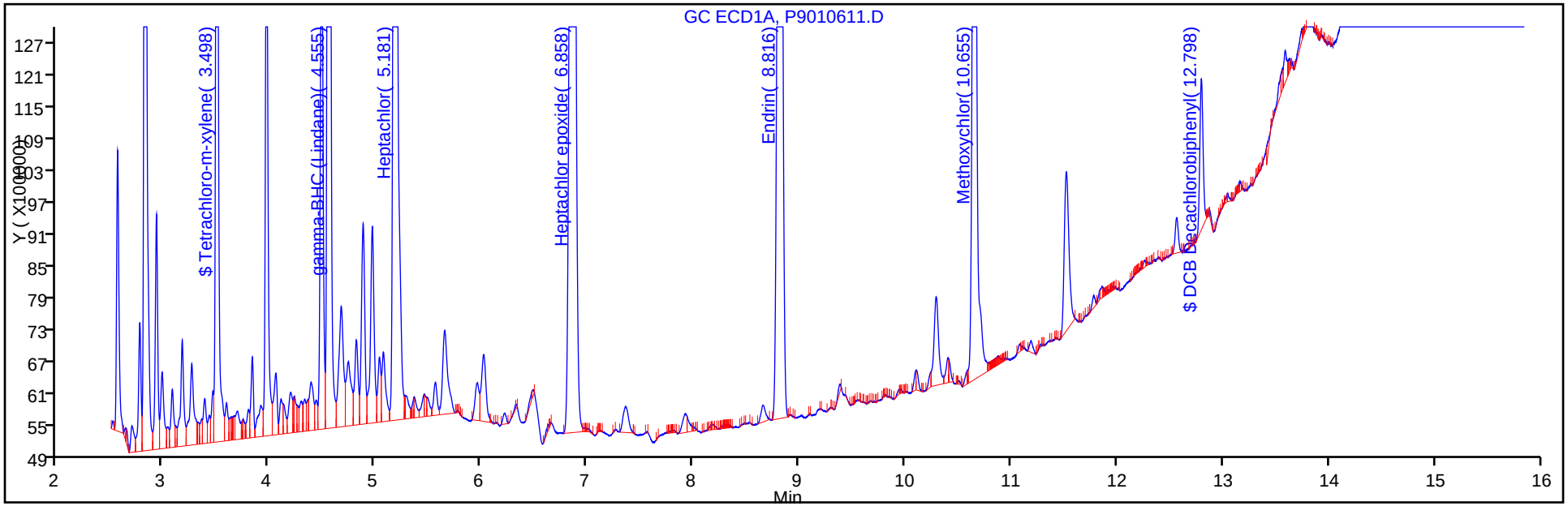
Report Date: 07-Jan-2013 07:30:57 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

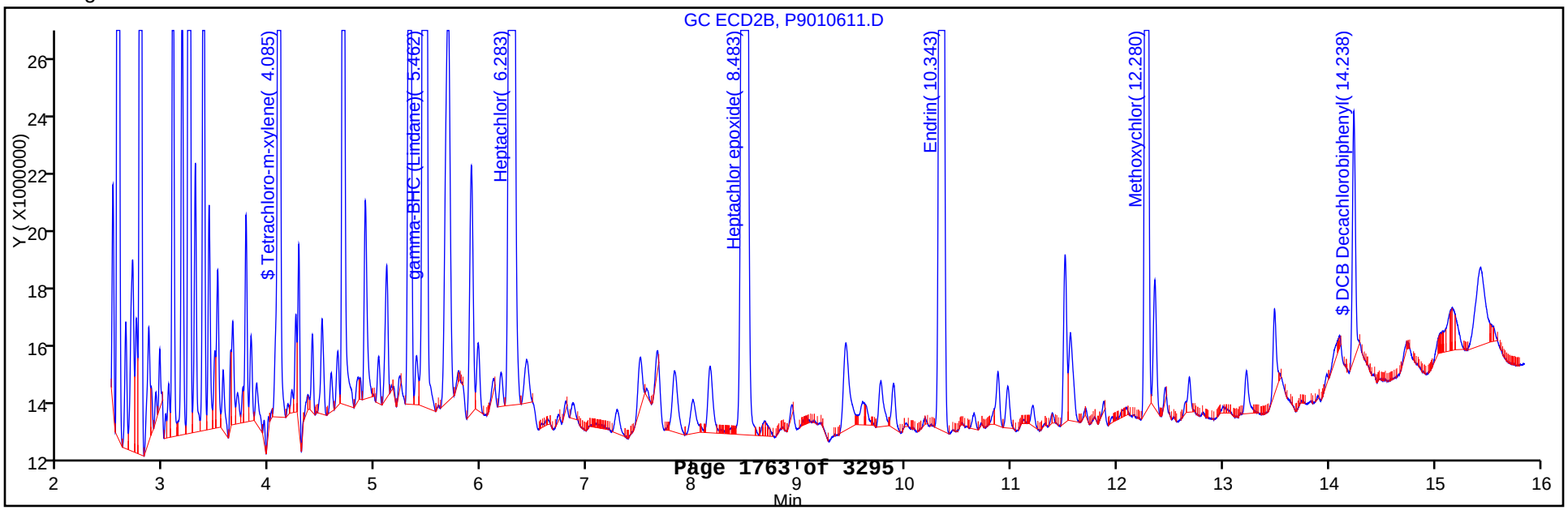
Data File: \\Ncchrom\ChromData\A2HP9\20130106-16400.b\P9010611.D

Injection Date:	06-Jan-2013 20:23:19	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71174	Lims Sample ID:	11
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A2HP9 Start Date: 12/06/2012 10:20

Analysis Batch Number: 67554 End Date: 12/06/2012 23:38

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 240-67554/4		12/06/2012 10:20	1	P9120604.D	CLP-1 0.53(mm)
PEM 240-67554/4		12/06/2012 10:20	1	P9120604.D	CLP-2 0.53(mm)
STD 240-67554/5 IC		12/06/2012 10:48	1	P9120605.D	CLP-1 0.53(mm)
STD 240-67554/5 IC		12/06/2012 10:48	1	P9120605.D	CLP-2 0.53(mm)
STD 240-67554/6 IC		12/06/2012 11:16	1	P9120606.D	CLP-1 0.53(mm)
STD 240-67554/6 IC		12/06/2012 11:16	1	P9120606.D	CLP-2 0.53(mm)
STD 240-67554/7 ICRT		12/06/2012 11:44	1	P9120607.D	CLP-1 0.53(mm)
STD 240-67554/7 ICRT		12/06/2012 11:44	1	P9120607.D	CLP-2 0.53(mm)
STD 240-67554/8 IC		12/06/2012 12:12	1	P9120608.D	CLP-1 0.53(mm)
STD 240-67554/8 IC		12/06/2012 12:12	1	P9120608.D	CLP-2 0.53(mm)
STD 240-67554/9 IC		12/06/2012 12:40	1	P9120609.D	CLP-1 0.53(mm)
STD 240-67554/9 IC		12/06/2012 12:40	1	P9120609.D	CLP-2 0.53(mm)
STD 240-67554/10 IC		12/06/2012 13:08	1	P9120610.D	CLP-1 0.53(mm)
STD 240-67554/10 IC		12/06/2012 13:08	1	P9120610.D	CLP-2 0.53(mm)
ICV 240-67554/11		12/06/2012 13:33	1	P9120611.D	CLP-1 0.53(mm)
ICV 240-67554/11		12/06/2012 13:33	1	P9120611.D	CLP-2 0.53(mm)
STD 240-67554/12 IC		12/06/2012 13:58	1	P9120612.D	CLP-1 0.53(mm)
STD 240-67554/12 IC		12/06/2012 13:58	1	P9120612.D	CLP-2 0.53(mm)
STD 240-67554/13 IC		12/06/2012 14:24	1	P9120613.D	CLP-1 0.53(mm)
STD 240-67554/13 IC		12/06/2012 14:24	1	P9120613.D	CLP-2 0.53(mm)
STD 240-67554/14 IC		12/06/2012 14:52	1	P9120614.D	CLP-1 0.53(mm)
STD 240-67554/14 IC		12/06/2012 14:52	1	P9120614.D	CLP-2 0.53(mm)
STD 240-67554/15 IC		12/06/2012 15:20	1	P9120615.D	CLP-1 0.53(mm)
STD 240-67554/15 IC		12/06/2012 15:20	1	P9120615.D	CLP-2 0.53(mm)
STD 240-67554/16 IC		12/06/2012 15:48	1	P9120616.D	CLP-1 0.53(mm)
STD 240-67554/16 IC		12/06/2012 15:48	1	P9120616.D	CLP-2 0.53(mm)
ICV 240-67554/17		12/06/2012 16:16	1	P9120617.D	CLP-1 0.53(mm)
ICV 240-67554/17		12/06/2012 16:16	1	P9120617.D	CLP-2 0.53(mm)
STD 240-67554/18 IC		12/06/2012 16:43	1	P9120618.D	CLP-1 0.53(mm)
STD 240-67554/18 IC		12/06/2012 16:43	1	P9120618.D	CLP-2 0.53(mm)
STD 240-67554/19 IC		12/06/2012 17:11	1	P9120619.D	CLP-1 0.53(mm)
STD 240-67554/19 IC		12/06/2012 17:11	1	P9120619.D	CLP-2 0.53(mm)
STD 240-67554/20 IC		12/06/2012 17:39	1	P9120620.D	CLP-1 0.53(mm)
STD 240-67554/20 IC		12/06/2012 17:39	1	P9120620.D	CLP-2 0.53(mm)
STD 240-67554/21 IC		12/06/2012 18:08	1	P9120621.D	CLP-1 0.53(mm)
STD 240-67554/21 IC		12/06/2012 18:08	1	P9120621.D	CLP-2 0.53(mm)
STD 240-67554/22 IC		12/06/2012 18:34	1	P9120622.D	CLP-1 0.53(mm)
STD 240-67554/22 IC		12/06/2012 18:34	1	P9120622.D	CLP-2 0.53(mm)
ICV 240-67554/23		12/06/2012 18:58	1	P9120623.D	CLP-1 0.53(mm)
ICV 240-67554/23		12/06/2012 18:58	1	P9120623.D	CLP-2 0.53(mm)
PEM 240-67554/34		12/06/2012 23:38	1		CLP-1 0.53(mm)
PEM 240-67554/34		12/06/2012 23:38	1		CLP-2 0.53(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A2HP9 Start Date: 12/18/2012 10:00

Analysis Batch Number: 69152 End Date: 12/18/2012 18:17

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 240-69152/4		12/18/2012 10:00	1	P9121804.D	CLP-1 0.53(mm)
PEM 240-69152/4		12/18/2012 10:00	1	P9121804.D	CLP-2 0.53(mm)
CCV 240-69152/5		12/18/2012 10:28	1	P9121805.D	CLP-1 0.53(mm)
CCV 240-69152/5		12/18/2012 10:28	1	P9121805.D	CLP-2 0.53(mm)
CCV 240-69152/6		12/18/2012 10:55	1		CLP-1 0.53(mm)
CCV 240-69152/6		12/18/2012 10:55	1		CLP-2 0.53(mm)
CCV 240-69152/7 CCVRT		12/18/2012 11:23	1	P9121807.D	CLP-1 0.53(mm)
CCV 240-69152/7 CCVRT		12/18/2012 11:23	1	P9121807.D	CLP-2 0.53(mm)
MRL 240-69152/8		12/18/2012 11:51	1	P9121808.D	CLP-1 0.53(mm)
MRL 240-69152/8		12/18/2012 11:51	1	P9121808.D	CLP-2 0.53(mm)
LCS 240-68554/5-A		12/18/2012 12:18	1	P9121809.D	CLP-1 0.53(mm)
LCS 240-68554/5-A		12/18/2012 12:18	1	P9121809.D	CLP-2 0.53(mm)
ZZZZZ		12/18/2012 12:46	1		CLP-1 0.53(mm)
ZZZZZ		12/18/2012 12:46	1		CLP-2 0.53(mm)
240-18735-3	070-0056-0001-SOURCE WATER	12/18/2012 13:14	1	P9121811.D	CLP-1 0.53(mm)
240-18735-3	070-0056-0001-SOURCE WATER	12/18/2012 13:14	1	P9121811.D	CLP-2 0.53(mm)
240-18735-4	070-0057-0001-SOURCE WATER	12/18/2012 13:42	1	P9121812.D	CLP-1 0.53(mm)
240-18735-4	070-0057-0001-SOURCE WATER	12/18/2012 13:42	1	P9121812.D	CLP-2 0.53(mm)
MB 240-68554/4-A		12/18/2012 14:09	1	P9121813.D	CLP-1 0.53(mm)
MB 240-68554/4-A		12/18/2012 14:09	1	P9121813.D	CLP-2 0.53(mm)
ZZZZZ		12/18/2012 14:37	1		CLP-1 0.53(mm)
ZZZZZ		12/18/2012 14:37	1		CLP-2 0.53(mm)
ZZZZZ		12/18/2012 15:04	1		CLP-1 0.53(mm)
ZZZZZ		12/18/2012 15:04	1		CLP-2 0.53(mm)
ZZZZZ		12/18/2012 15:32	1		CLP-1 0.53(mm)
ZZZZZ		12/18/2012 15:32	1		CLP-2 0.53(mm)
ZZZZZ		12/18/2012 15:59	1		CLP-1 0.53(mm)
ZZZZZ		12/18/2012 15:59	1		CLP-2 0.53(mm)
ZZZZZ		12/18/2012 16:27	1		CLP-1 0.53(mm)
ZZZZZ		12/18/2012 16:27	1		CLP-2 0.53(mm)
CCV 240-69152/19		12/18/2012 16:55	1	P9121819.D	CLP-1 0.53(mm)
CCV 240-69152/19		12/18/2012 16:55	1	P9121819.D	CLP-2 0.53(mm)
CCV 240-69152/20		12/18/2012 17:22	1		CLP-1 0.53(mm)
CCV 240-69152/20		12/18/2012 17:22	1		CLP-2 0.53(mm)
CCV 240-69152/21		12/18/2012 17:49	1	P9121821.D	CLP-1 0.53(mm)
CCV 240-69152/21		12/18/2012 17:49	1	P9121821.D	CLP-2 0.53(mm)
MRL 240-69152/22		12/18/2012 18:17	1	P9121822.D	CLP-1 0.53(mm)
MRL 240-69152/22		12/18/2012 18:17	1	P9121822.D	CLP-2 0.53(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A2HP9 Start Date: 12/22/2012 12:44

Analysis Batch Number: 69893 End Date: 12/23/2012 13:12

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 240-69893/4		12/22/2012 12:44	1	P9122204.D	CLP-1 0.53(mm)
PEM 240-69893/4		12/22/2012 12:44	1	P9122204.D	CLP-2 0.53(mm)
STD 240-69893/5 IC		12/22/2012 13:11	1	P9122205.D	CLP-1 0.53(mm)
STD 240-69893/5 IC		12/22/2012 13:11	1	P9122205.D	CLP-2 0.53(mm)
STD 240-69893/6 IC		12/22/2012 13:36	1	P9122206.D	CLP-1 0.53(mm)
STD 240-69893/6 IC		12/22/2012 13:36	1	P9122206.D	CLP-2 0.53(mm)
STD 240-69893/7 ICRT		12/22/2012 14:00	1	P9122207.D	CLP-1 0.53(mm)
STD 240-69893/7 ICRT		12/22/2012 14:00	1	P9122207.D	CLP-2 0.53(mm)
STD 240-69893/8 IC		12/22/2012 14:25	1	P9122208.D	CLP-1 0.53(mm)
STD 240-69893/8 IC		12/22/2012 14:25	1	P9122208.D	CLP-2 0.53(mm)
STD 240-69893/9 IC		12/22/2012 14:49	1	P9122209.D	CLP-1 0.53(mm)
STD 240-69893/9 IC		12/22/2012 14:49	1	P9122209.D	CLP-2 0.53(mm)
STD 240-69893/10 IC		12/22/2012 15:13	1	P9122210.D	CLP-1 0.53(mm)
STD 240-69893/10 IC		12/22/2012 15:13	1	P9122210.D	CLP-2 0.53(mm)
ICV 240-69893/11		12/22/2012 15:37	1	P9122211.D	CLP-1 0.53(mm)
ICV 240-69893/11		12/22/2012 15:37	1	P9122211.D	CLP-2 0.53(mm)
STD 240-69893/12 IC		12/22/2012 16:01	1		CLP-1 0.53(mm)
STD 240-69893/12 IC		12/22/2012 16:01	1		CLP-2 0.53(mm)
STD 240-69893/13 IC		12/22/2012 16:25	1		CLP-1 0.53(mm)
STD 240-69893/13 IC		12/22/2012 16:25	1		CLP-2 0.53(mm)
STD 240-69893/14 ICRT		12/22/2012 16:49	1		CLP-1 0.53(mm)
STD 240-69893/14 ICRT		12/22/2012 16:49	1		CLP-2 0.53(mm)
STD 240-69893/15 IC		12/22/2012 17:14	1		CLP-1 0.53(mm)
STD 240-69893/15 IC		12/22/2012 17:14	1		CLP-2 0.53(mm)
STD 240-69893/16 IC		12/22/2012 17:38	1		CLP-1 0.53(mm)
STD 240-69893/16 IC		12/22/2012 17:38	1		CLP-2 0.53(mm)
ICV 240-69893/17		12/22/2012 18:02	1		CLP-1 0.53(mm)
ICV 240-69893/17		12/22/2012 18:02	1		CLP-2 0.53(mm)
CCV 240-69893/18		12/22/2012 18:27	1		CLP-1 0.53(mm)
CCV 240-69893/18		12/22/2012 18:27	1		CLP-2 0.53(mm)
ZZZZZ		12/22/2012 18:51	1		CLP-1 0.53(mm)
ZZZZZ		12/22/2012 18:51	1		CLP-2 0.53(mm)
ZZZZZ		12/22/2012 19:15	1		CLP-1 0.53(mm)
ZZZZZ		12/22/2012 19:15	1		CLP-2 0.53(mm)
ZZZZZ		12/22/2012 19:40	50		CLP-1 0.53(mm)
ZZZZZ		12/22/2012 19:40	50		CLP-2 0.53(mm)
ZZZZZ		12/22/2012 20:04	50		CLP-1 0.53(mm)
ZZZZZ		12/22/2012 20:04	50		CLP-2 0.53(mm)
ZZZZZ		12/22/2012 20:28	50		CLP-1 0.53(mm)
ZZZZZ		12/22/2012 20:28	50		CLP-2 0.53(mm)
ZZZZZ		12/22/2012 20:52	1		CLP-1 0.53(mm)
ZZZZZ		12/22/2012 20:52	1		CLP-2 0.53(mm)
ZZZZZ		12/22/2012 21:18	5		CLP-1 0.53(mm)
ZZZZZ		12/22/2012 21:18	5		CLP-2 0.53(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A2HP9 Start Date: 12/22/2012 12:44

Analysis Batch Number: 69893 End Date: 12/23/2012 13:12

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		12/22/2012 21:42	5		CLP-1 0.53(mm)
ZZZZZ		12/22/2012 21:42	5		CLP-2 0.53(mm)
ZZZZZ		12/22/2012 22:07	5		CLP-1 0.53(mm)
ZZZZZ		12/22/2012 22:07	5		CLP-2 0.53(mm)
ZZZZZ		12/22/2012 22:31	1		CLP-1 0.53(mm)
ZZZZZ		12/22/2012 22:31	1		CLP-2 0.53(mm)
ZZZZZ		12/22/2012 22:56	1		CLP-1 0.53(mm)
ZZZZZ		12/22/2012 22:56	1		CLP-2 0.53(mm)
PEM 240-69893/30		12/22/2012 23:20	1		CLP-1 0.53(mm)
PEM 240-69893/30		12/22/2012 23:20	1		CLP-2 0.53(mm)
CCV 240-69893/31		12/22/2012 23:44	1		CLP-1 0.53(mm)
CCV 240-69893/31		12/22/2012 23:44	1		CLP-2 0.53(mm)
ZZZZZ		12/23/2012 00:59	1		CLP-1 0.53(mm)
ZZZZZ		12/23/2012 00:59	1		CLP-2 0.53(mm)
ZZZZZ		12/23/2012 01:23	1		CLP-1 0.53(mm)
ZZZZZ		12/23/2012 01:23	1		CLP-2 0.53(mm)
CCV 240-69893/42		12/23/2012 04:13	1		CLP-1 0.53(mm)
CCV 240-69893/42		12/23/2012 04:13	1		CLP-2 0.53(mm)
ZZZZZ		12/23/2012 04:37	1		CLP-1 0.53(mm)
ZZZZZ		12/23/2012 04:37	1		CLP-2 0.53(mm)
CCV 240-69893/60		12/23/2012 11:33	1		CLP-1 0.53(mm)
CCV 240-69893/60		12/23/2012 11:33	1		CLP-2 0.53(mm)
CCV 240-69893/61		12/23/2012 11:59	1		CLP-1 0.53(mm)
CCV 240-69893/61		12/23/2012 11:59	1		CLP-2 0.53(mm)
CCV 240-69893/62		12/23/2012 12:23	1		CLP-1 0.53(mm)
CCV 240-69893/62		12/23/2012 12:23	1		CLP-2 0.53(mm)
CCV 240-69893/63		12/23/2012 12:48	1		CLP-1 0.53(mm)
CCV 240-69893/63		12/23/2012 12:48	1		CLP-2 0.53(mm)
CCV 240-69893/64		12/23/2012 13:12	1		CLP-1 0.53(mm)
CCV 240-69893/64		12/23/2012 13:12	1		CLP-2 0.53(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A2HP9 Start Date: 01/06/2013 17:20

Analysis Batch Number: 71174 End Date: 01/07/2013 01:19

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 240-71174/4		01/06/2013 17:20	1	P9010604.D	CLP-1 0.53(mm)
PEM 240-71174/4		01/06/2013 17:20	1	P9010604.D	CLP-2 0.53(mm)
CCV 240-71174/5		01/06/2013 17:48	1	P9010605.D	CLP-1 0.53(mm)
CCV 240-71174/5		01/06/2013 17:48	1	P9010605.D	CLP-2 0.53(mm)
CCV 240-71174/6 CCVRT		01/06/2013 18:15	1	P9010606.D	CLP-1 0.53(mm)
CCV 240-71174/6 CCVRT		01/06/2013 18:15	1	P9010606.D	CLP-2 0.53(mm)
CCV 240-71174/7		01/06/2013 18:40	1	P9010607.D	CLP-1 0.53(mm)
CCV 240-71174/7		01/06/2013 18:40	1	P9010607.D	CLP-2 0.53(mm)
MRL 240-71174/8		01/06/2013 19:07	1	P9010608.D	CLP-1 0.53(mm)
MRL 240-71174/8		01/06/2013 19:07	1	P9010608.D	CLP-2 0.53(mm)
240-18735-5	070-0058-0001-IDW	01/06/2013 19:32	1	P9010609.D	CLP-1 0.53(mm)
240-18735-5	070-0058-0001-IDW	01/06/2013 19:32	1	P9010609.D	CLP-2 0.53(mm)
240-18735-6	070-0059-0001-IDW	01/06/2013 19:57	1	P9010610.D	CLP-1 0.53(mm)
240-18735-6	070-0059-0001-IDW	01/06/2013 19:57	1	P9010610.D	CLP-2 0.53(mm)
240-18735-6 MS	070-0059-0001-IDW MS	01/06/2013 20:23	5	P9010611.D	CLP-1 0.53(mm)
240-18735-6 MS	070-0059-0001-IDW MS	01/06/2013 20:23	5	P9010611.D	CLP-2 0.53(mm)
MB 240-70005/5-A		01/06/2013 20:49	1	P9010612.D	CLP-1 0.53(mm)
MB 240-70005/5-A		01/06/2013 20:49	1	P9010612.D	CLP-2 0.53(mm)
LCS 240-70005/4-A		01/06/2013 21:16	5	P9010613.D	CLP-1 0.53(mm)
LCS 240-70005/4-A		01/06/2013 21:16	5	P9010613.D	CLP-2 0.53(mm)
ZZZZZ		01/06/2013 22:11	1		CLP-1 0.53(mm)
ZZZZZ		01/06/2013 22:11	1		CLP-2 0.53(mm)
ZZZZZ		01/06/2013 22:38	5		CLP-1 0.53(mm)
ZZZZZ		01/06/2013 22:38	5		CLP-2 0.53(mm)
ZZZZZ		01/06/2013 23:05	1		CLP-1 0.53(mm)
ZZZZZ		01/06/2013 23:05	1		CLP-2 0.53(mm)
ZZZZZ		01/06/2013 23:31	5		CLP-1 0.53(mm)
ZZZZZ		01/06/2013 23:31	5		CLP-2 0.53(mm)
CCV 240-71174/19		01/06/2013 23:57	1	P9010619.D	CLP-1 0.53(mm)
CCV 240-71174/19		01/06/2013 23:57	1	P9010619.D	CLP-2 0.53(mm)
CCV 240-71174/20		01/07/2013 00:24	1	P9010620.D	CLP-1 0.53(mm)
CCV 240-71174/20		01/07/2013 00:24	1	P9010620.D	CLP-2 0.53(mm)
MRL 240-71174/21		01/07/2013 00:52	1	P9010621.D	CLP-1 0.53(mm)
MRL 240-71174/21		01/07/2013 00:52	1	P9010621.D	CLP-2 0.53(mm)
CCV 240-71174/22		01/07/2013 01:19	1	P9010622.D	CLP-1 0.53(mm)
CCV 240-71174/22		01/07/2013 01:19	1	P9010622.D	CLP-2 0.53(mm)

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Batch Number: 68554 Batch Start Date: 12/13/12 12:45 Batch Analyst: Coast, Chris

Batch Method: 3520C Batch End Date: 12/14/12 06:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ReceivedpH	EX2/.2SURRW 00020	EXPSTNPDESSPW 00011	AnalysisComment
240-18735-O-3	070-0056-0001-SOURCE WATER	3520C, 8081/DOD	T	1050 mL	5 mL	7	1 mL		assoc sample with batch # 68553
240-18735-L-4	070-0057-0001-SOURCE WATER	3520C, 8081/DOD	T	1050 mL	5 mL	7	1 mL		assoc sample with batch # 68553
MB 240-68554/4		3520C, 8081/DOD		1000 mL	5 mL	7	1 mL		
LCS 240-68554/5		3520C, 8081/DOD		1000 mL	5 mL	7	1 mL	0.5 mL	

Batch Notes	
Person's name who did the concentration	ac/bm
Exchange Solvent Lot #	671345
Na2SO4 Lot Number	677240
Prep Solvent Lot #	781163

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Batch Number: 69294 Batch Start Date: 12/18/12 19:10 Batch Analyst: Jones, Diane

Batch Method: 1311 Batch End Date: 12/19/12 11:15

Lab Sample ID	Client Sample ID	Method Chain	Basis	EXTCLPACETIC 00005	EXTCLPFILTERS 00012	EXTCLPHCLW 00018	EXTCLPNAOH 00010	AnalysisComment	
240-18735-C-5	070-0058-0001-ID W	1311, 3520C, 8081/DOD	P	1 mL	1	1 mL	1 g	DOD - MS/MSD for Metals, MS for Herb	
240-18735-F-6	070-0059-0001-ID W	1311, 3520C, 8081/DOD	P	1 mL	1	1 mL	1 g	DOD - MS for Pest, MS for BNAs	

Batch Notes	
Tumbler Rotations per Minute	A, B, C = 31rpm

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Batch Number: 70005 Batch Start Date: 12/26/12 11:00 Batch Analyst: Matthews, Brandon

Batch Method: 3520C Batch End Date: 12/27/12 05:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ReceivedpH	EX2/.2SURRW 00020	EXTCLPPESTSPW 00009	
240-18735-C-5-B	070-0058-0001-IDW	3520C, 8081/DOD	P	250 mL	3 mL	5	1 mL		
240-18735-F-6-B	070-0059-0001-IDW	3520C, 8081/DOD	P	250 mL	3 mL	8	1 mL		
240-18735-F-6-B MS	070-0059-0001-IDW	3520C, 8081/DOD	P	250 mL	3 mL	8	1 mL	1 mL	
LCS 240-70005/4		3520C, 8081/DOD		250 mL	3 mL	5	1 mL	1 mL	
MB 240-70005/5		3520C, 8081/DOD		250 mL	3 mL	5	1 mL		

Batch Notes	
Person's name who did the concentration	cc/lh
Exchange Solvent Lot #	804970
Na2SO4 Lot Number	677240
Prep Solvent Lot #	797376

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8082 DOD

Polychlorinated Biphenyls (PCBs) by Gas Chromatography by Method 8082/DOD

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low

GC Column (1): CLP-2 ID: 0.53 (mm) GC Column (2): CLP-1 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
070-0056-0001-SOURCE WATER	240-18735-3	87	76	71	69
070-0057-0001-SOURCE WATER	240-18735-4	90	77	70	67
	MB 240-68553/4-A	89	78	76	73
	LCS 240-68553/5-A	90	79	70	67

	QC LIMITS
TCX = Tetrachloro-m-xylene	40-140
DCB = DCB Decachlorobiphenyl	40-135

Column to be used to flag recovery values

FORM II 8082/DOD

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low

GC Column (1): CLP-2 ID: 0.53 (mm) GC Column (2): CLP-1 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
	MRL 240-69119/4	116	132	95	99
	MRL 240-69119/11	112	146 Q	101	106

	QC LIMITS
TCX = Tetrachloro-m-xylene	50-150
DCB = DCB Decachlorobiphenyl	50-150

Column to be used to flag recovery values

FORM II 8082/DOD

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low Lab File ID: P1300009.D

Lab ID: LCS 240-68553/5-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Aroclor-1016	5.00	4.56	91	25-145	
Aroclor-1260	5.00	4.06	81	30-145	

Column to be used to flag recovery and RPD values

FORM III 8082/DOD

FORM III
PCBS METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low Lab File ID: P1300004.D

Lab ID: MRL 240-69119/4 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Aroclor-1016	0.0500	0.0579	116	70-130	
Aroclor-1016	0.0500	0.0630	126	70-130	
Aroclor-1260	0.0500	0.0514	103	70-130	
Aroclor-1260	0.0500	0.0440 J	88	70-130	

Column to be used to flag recovery and RPD values

FORM III 8082/DOD

FORM III
PCBS METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low Lab File ID: P1300011.D

Lab ID: MRL 240-69119/11 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Aroclor-1016	0.0500	0.0565	113	70-130	
Aroclor-1016	0.0500	0.0567	113	70-130	
Aroclor-1260	0.0500	0.0504	101	70-130	
Aroclor-1260	0.0500	0.0457 J	91	70-130	

Column to be used to flag recovery and RPD values

FORM III 8082/DOD

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: MB 240-68553/4-A

Matrix: Water Date Extracted: 12/13/2012 11:37

Lab File ID:(1) P1300008.D Lab File ID:(2) P1300008.D

Date Analyzed:(1) 12/18/2012 09:41 Date Analyzed:(2) 12/18/2012 09:41

Instrument ID:(1) A2HP13 Instrument ID:(2) A2HP13

GC Column:(1) CLP-2 ID: 0.53(mm) GC Column:(2) CLP-1 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
070-0056-0001-SOURCE WATER	240-18735-3	12/18/2012 09:11	12/18/2012 09:11
070-0057-0001-SOURCE WATER	240-18735-4	12/18/2012 09:26	12/18/2012 09:26
	LCS 240-68553/5-A	12/18/2012 09:56	12/18/2012 09:56

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Sample No.: CCV 240-69119/3 Date Analyzed: 12/18/2012 08:26

Instrument ID: A2HP13 GC Column: CLP-1 ID: 0.53(mm)

Lab File ID (Standard): P1300003.D Heated Purge: (Y/N) N

Calibration ID: 12036

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				1.29	7.05	
UPPER LIMIT				1.39	7.15	
LOWER LIMIT				1.19	6.95	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-69119/3 CCVRT		12/18/2012 08:26	P1300003.D	1.29	7.05	
240-18735-3	070-0056-0001-SOURCE WATER	12/18/2012 09:11	P1300006.D	1.29	7.05	
240-18735-4	070-0057-0001-SOURCE WATER	12/18/2012 09:26	P1300007.D	1.29	7.05	
MB 240-68553/4-A		12/18/2012 09:41	P1300008.D	1.29	7.05	
LCS 240-68553/5-A		12/18/2012 09:56	P1300009.D	1.29	7.05	
CCV 240-69119/10		12/18/2012 10:11	P1300010.D	1.28	7.05	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.1 minutes of surrogate RT
DCB RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8082/DOD

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Sample No.: CCV 240-69119/3 Date Analyzed: 12/18/2012 08:26

Instrument ID: A2HP13 GC Column: CLP-2 ID: 0.53(mm)

Lab File ID (Standard): P1300003.D Heated Purge: (Y/N) N

Calibration ID: 12037

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				1.64	8.21	
UPPER LIMIT				1.74	8.31	
LOWER LIMIT				1.54	8.11	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-69119/3 CCVRT		12/18/2012 08:26	P1300003.D	1.64	8.21	
240-18735-3	070-0056-0001-SOURCE WATER	12/18/2012 09:11	P1300006.D	1.64	8.21	
240-18735-4	070-0057-0001-SOURCE WATER	12/18/2012 09:26	P1300007.D	1.64	8.21	
MB 240-68553/4-A		12/18/2012 09:41	P1300008.D	1.64	8.20	
LCS 240-68553/5-A		12/18/2012 09:56	P1300009.D	1.64	8.21	
CCV 240-69119/10		12/18/2012 10:11	P1300010.D	1.64	8.21	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.1 minutes of surrogate RT
DCB RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8082/DOD

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-68553/5-A

Instrument ID (1): A2HP13 Instrument ID (2): A2HP13

Date Analyzed (1): 12/18/2012 09:56 Date Analyzed (2): 12/18/2012 09:56

GC Column (1): CLP-2 ID: 0.53(mm) GC Column (2): CLP-1 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Aroclor-1016	1	1	2.13	2.08	2.18	4.47	4.56	12.2
		2	2.56	2.51	2.61	4.58		
		3	3.04	2.99	3.09	5.05		
		4	3.19	3.14	3.24	4.68		
		5	3.84	3.79	3.89	4.03		
	2	1	1.58	1.53	1.63	3.68	4.04	
		2	1.89	1.84	1.94	3.99		
		3	2.32	2.27	2.37	4.26		
		4	2.45	2.40	2.50	4.33		
		5	2.86	2.81	2.91	3.91		
Aroclor-1260	1	1	5.12	5.07	5.17	4.10	4.06	9.2
		2	5.37	5.32	5.42	4.27		
		3	5.76	5.71	5.81	4.03		
		4	6.49	6.44	6.54	4.09		
		5	6.89	6.84	6.94	3.81		
	2	1	4.15	4.10	4.20	3.95	3.70	
		2	4.46	4.41	4.51	3.82		
		3	4.76	4.71	4.81	3.71		
		4	5.51	5.46	5.56	3.64		
		5	5.81	5.76	5.86	3.39		

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Client Sample ID: 070-0056-0001-SOURCE Lab Sample ID: 240-18735-3

Matrix: Water Lab File ID: P1300006.D

Analysis Method: 8082/DOD Date Collected: 12/12/2012 13:00

Extraction Method: 3520C Date Extracted: 12/13/2012 11:37

Sample wt/vol: 1050(mL) Date Analyzed: 12/18/2012 09:11

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 69119 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	76		40-140
2051-24-3	DCB Decachlorobiphenyl	69		40-135

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121218-15947.b\P1300006.D
Lims ID: 240-18735-O-3-A
Client ID: 070-0056-0001-SOURCE WATER
Inject. Date: 18-Dec-2012 09:11:26
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0015947-006
Misc. Info.:
Operator:
Instrument ID: A2HP13
Injection Vol: 1.0 uL
ALS Bottle#: 6
Lims Batch ID: 69119
Lims Sample ID: 6
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121218-15947.b\PCB13.m
Last Update: 21-Dec-2012 09:49:15
Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK005

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.287	1.285	0.002	69825812	0.0306			
2	2	1.641	1.640	0.001	49822063	0.0347			
						RPD = 12.51			
3 PCB-1221									1
1	2		1.429						
1	3		1.579						
1	4		1.547						
2	4		1.934						
2	5		2.073						
2	6		2.132						
4 PCB-1232									1
1	100		1.580						
1	2		1.888						
1	3		2.314						
1	4		2.444						
1	5		2.856						
2	6		2.132						
2	7		2.556						
2	8		3.037						
2	9		3.185						
2	10		3.836						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6	PCB-1016								1
1	100		1.580						
1	2		1.888						
1	3		2.315						
1	4		2.445						
1	5		2.858						
2	6		2.134						
2	7		2.556						
2	8		3.037						
2	9		3.185						
2	10		3.837						
5	PCB-1242								
1	100		1.580						
1	2		1.888						
1	3		2.313						
1	4		2.444						
1	5		2.858						
2	6		2.132						
2	7		2.555						
2	8		3.037						
2	9		3.185						
2	10		3.703						
7	PCB-1248								1
1	86		1.888						
1	2		2.311						
1	3		2.857						
1	4		3.479						
1	5		3.947						
2	6		2.553						
2	7		3.035						
2	8		3.703						
2	9		3.835						
2	10		4.901						
8	PCB-1254								1
1	100		3.531						
1	2		3.946						
1	3		4.250						
1	4		4.457						
1	5		4.758						
2	6		4.395						
2	7		4.900						
2	8		5.161						
2	9		5.542						
2	10		5.761						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									1
1	100		4.149						
1	2		4.458						
1	3		4.758						
1	4		5.508						
1	5		5.810						
2	6		5.123						
2	7		5.370						
2	8		5.757						
2	9		6.491						
2	10		6.893						
$ 12 DCB Decachlorobiphenyl									
1	100	7.048	7.045	0.003	64837357	0.0278			
2	2	8.205	8.205	0.000	38250952	0.0284			
						RPD = 2.23			

QC Flag Legend

Processing Flags
1 - Missing Peaks

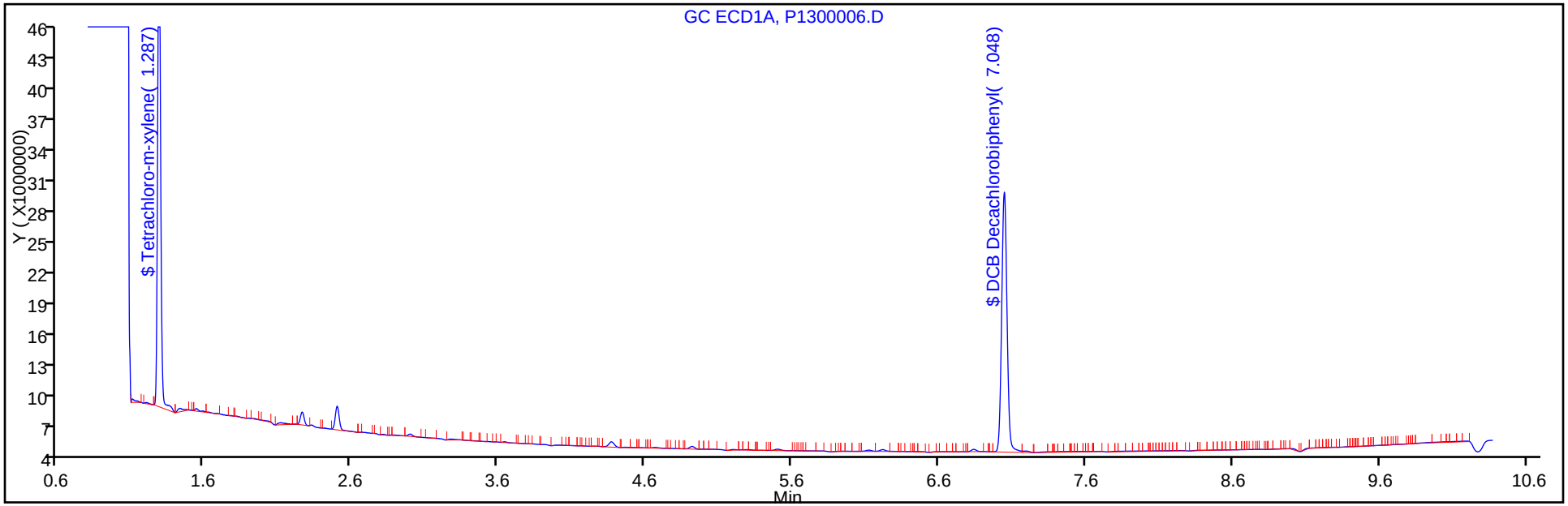
Report Date: 21-Dec-2012 09:49:19 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

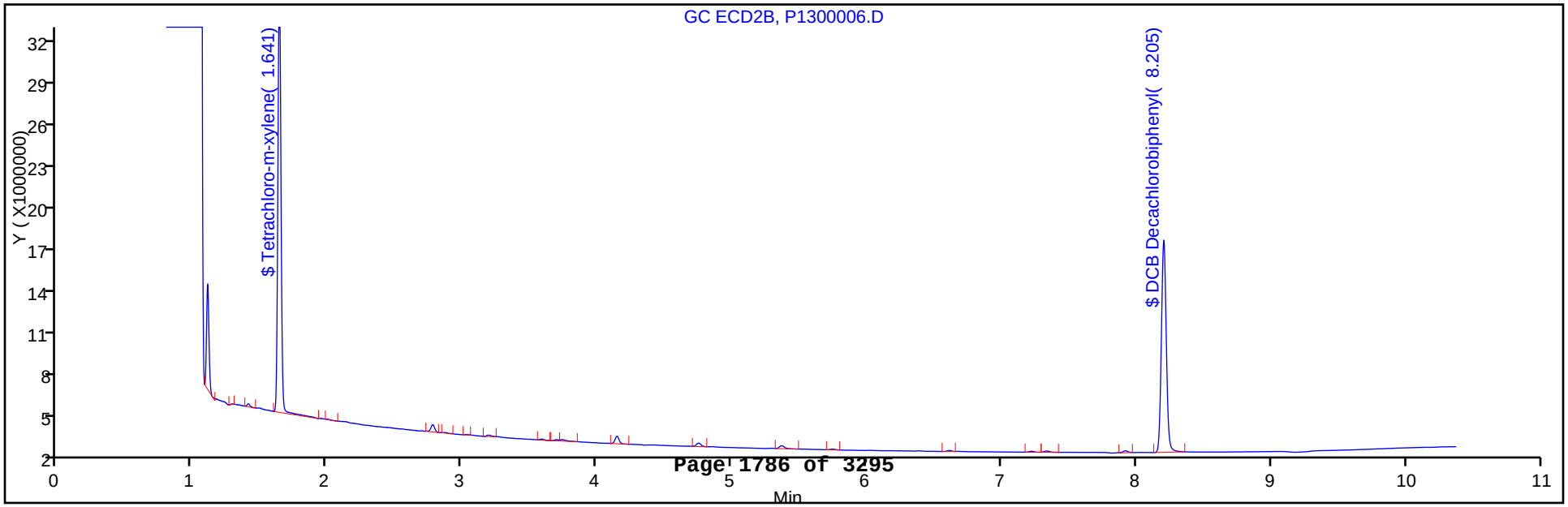
Data File: \\NCChrom\ChromData\A2HP13\20121218-15947.b\P1300006.D

Injection Date:	18-Dec-2012 09:11:26	Limit Group:	GC 8082A ICAL
Client ID:	070-0056-0001-SOURCE WATER	Instrument ID:	A2HP13
Lims Batch ID:	69119	Lims Sample ID:	6
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: 070-0056-0001-SOURCE | Lab Sample ID: 240-18735-3

Matrix: Water | Lab File ID: P1300006.D

Analysis Method: 8082/DOD | Date Collected: 12/12/2012 13:00

Extraction Method: 3520C | Date Extracted: 12/13/2012 11:37

Sample wt/vol: 1050(mL) | Date Analyzed: 12/18/2012 09:11

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69119 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	0.19	U	0.48	0.19	0.12
12674-11-2	Aroclor-1016	0.19	U	0.48	0.19	0.16
11141-16-5	Aroclor-1232	0.19	U	0.48	0.19	0.15
53469-21-9	Aroclor-1242	0.38	U	0.48	0.38	0.21
12672-29-6	Aroclor-1248	0.19	U	0.48	0.19	0.095
11097-69-1	Aroclor-1254	0.19	U	0.48	0.19	0.15
11096-82-5	Aroclor-1260	0.19	U	0.48	0.19	0.16

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	87		40-140
2051-24-3	DCB Decachlorobiphenyl	71		40-135

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121218-15947.b\P1300006.D		
Lims ID:	240-18735-O-3-A	Client ID:	070-0056-0001-SOURCE WATER
Inject. Date:	18-Dec-2012 09:11:26	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0015947-006		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 uL	ALS Bottle#:	6
Lims Batch ID:	69119	Lims Sample ID:	6
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121218-15947.b\PCB13.m		
Last Update:	21-Dec-2012 09:49:15	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.287	1.285	0.002	69825812	0.0306			
2	2	1.641	1.640	0.001	49822063	0.0347			
						RPD = 12.51			
3 PCB-1221									1
1	2		1.429						
1	3		1.579						
1	4		1.547						
2	4		1.934						
2	5		2.073						
2	6		2.132						
4 PCB-1232									1
1	100		1.580						
1	2		1.888						
1	3		2.314						
1	4		2.444						
1	5		2.856						
2	6		2.132						
2	7		2.556						
2	8		3.037						
2	9		3.185						
2	10		3.836						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6	PCB-1016								1
1	100		1.580						
1	2		1.888						
1	3		2.315						
1	4		2.445						
1	5		2.858						
2	6		2.134						
2	7		2.556						
2	8		3.037						
2	9		3.185						
2	10		3.837						
5	PCB-1242								
1	100		1.580						
1	2		1.888						
1	3		2.313						
1	4		2.444						
1	5		2.858						
2	6		2.132						
2	7		2.555						
2	8		3.037						
2	9		3.185						
2	10		3.703						
7	PCB-1248								1
1	86		1.888						
1	2		2.311						
1	3		2.857						
1	4		3.479						
1	5		3.947						
2	6		2.553						
2	7		3.035						
2	8		3.703						
2	9		3.835						
2	10		4.901						
8	PCB-1254								1
1	100		3.531						
1	2		3.946						
1	3		4.250						
1	4		4.457						
1	5		4.758						
2	6		4.395						
2	7		4.900						
2	8		5.161						
2	9		5.542						
2	10		5.761						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									1
1	100		4.149						
1	2		4.458						
1	3		4.758						
1	4		5.508						
1	5		5.810						
2	6		5.123						
2	7		5.370						
2	8		5.757						
2	9		6.491						
2	10		6.893						
$ 12 DCB Decachlorobiphenyl									
1	100	7.048	7.045	0.003	64837357	0.0278			
2	2	8.205	8.205	0.000	38250952	0.0284			
						RPD = 2.23			

QC Flag Legend

Processing Flags
1 - Missing Peaks

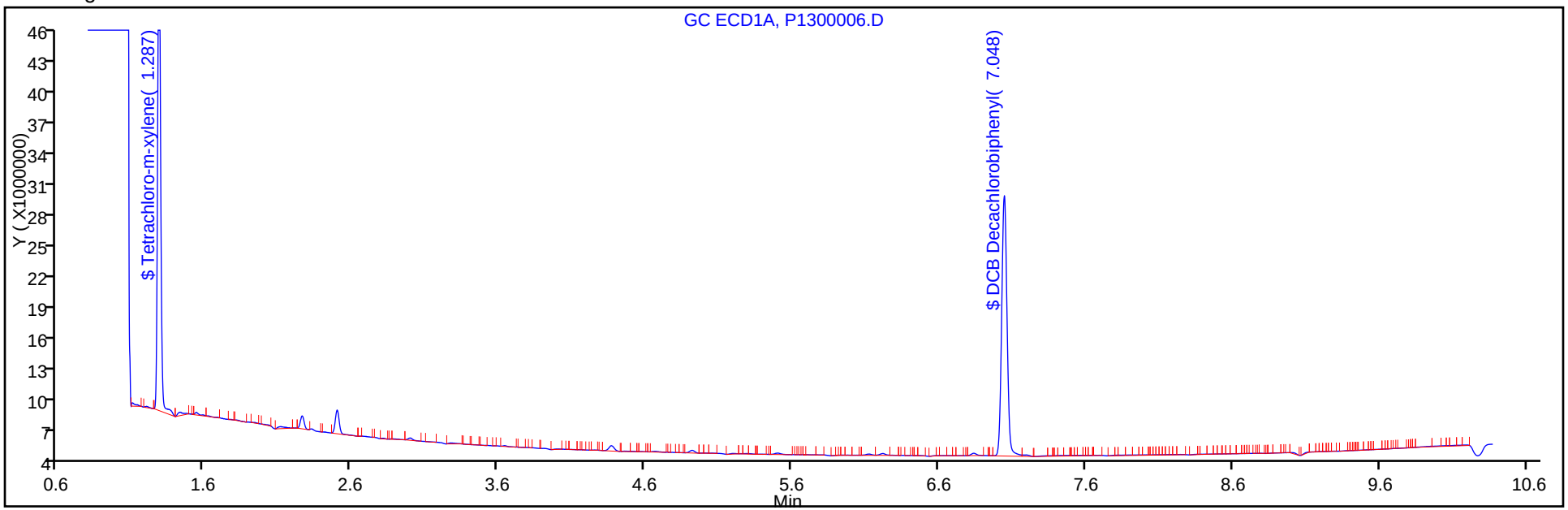
Report Date: 21-Dec-2012 09:49:20 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

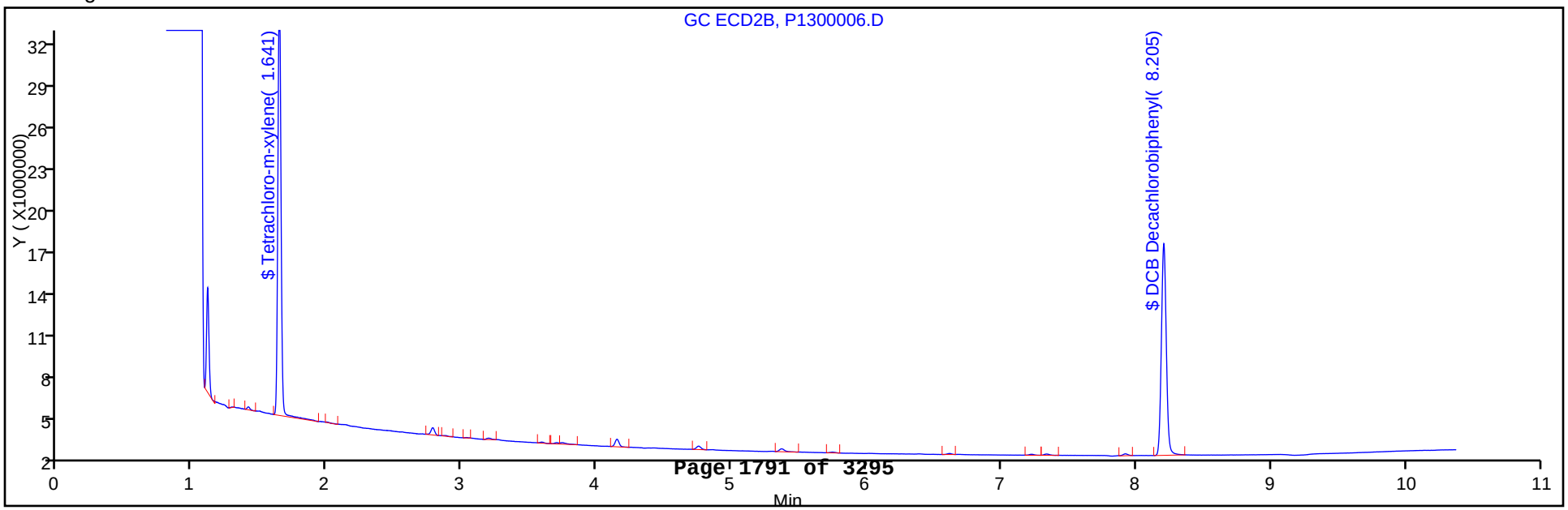
Data File: \\NCChrom\ChromData\A2HP13\20121218-15947.b\P1300006.D

Injection Date:	18-Dec-2012 09:11:26	Limit Group:	GC 8082A ICAL
Client ID:	070-0056-0001-SOURCE WATER	Instrument ID:	A2HP13
Lims Batch ID:	69119	Lims Sample ID:	6
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Client Sample ID: 070-0057-0001-SOURCE Lab Sample ID: 240-18735-4

Matrix: Water Lab File ID: P1300007.D

Analysis Method: 8082/DOD Date Collected: 12/12/2012 13:15

Extraction Method: 3520C Date Extracted: 12/13/2012 11:37

Sample wt/vol: 1050(mL) Date Analyzed: 12/18/2012 09:26

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 69119 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	77		40-140
2051-24-3	DCB Decachlorobiphenyl	67		40-135

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121218-15947.b\P1300007.D		
Lims ID:	240-18735-L-4-A	Client ID:	070-0057-0001-SOURCE WATER
Inject. Date:	18-Dec-2012 09:26:22	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0015947-007		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 uL	ALS Bottle#:	7
Lims Batch ID:	69119	Lims Sample ID:	7
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121218-15947.b\PCB13.m		
Last Update:	21-Dec-2012 09:49:15	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.285	1.285	0.000	70195498	0.0307			
2	2	1.640	1.640	0.000	51734171	0.0360			
						RPD = 15.73			
3 PCB-1221									1
1	2		1.429						
1	3		1.579						
1	4		1.547						
2	4		1.934						
2	5		2.073						
2	6		2.132						
4 PCB-1232									
1	100		1.580						
1	2		1.888						
1	3		2.314						
1	4		2.444						
1	5		2.856						
2	6		2.132						
2	7		2.556						
2	8		3.037						
2	9		3.185						
2	10		3.836						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6	PCB-1016								
1	100		1.580						
1	2		1.888						
1	3		2.315						
1	4		2.445						
1	5		2.858						
2	6		2.134						
2	7		2.556						
2	8		3.037						
2	9		3.185						
2	10		3.837						
5	PCB-1242								
1	100		1.580						
1	2		1.888						
1	3		2.313						
1	4		2.444						
1	5		2.858						
2	6		2.132						
2	7		2.555						
2	8		3.037						
2	9		3.185						
2	10		3.703						
7	PCB-1248								1
1	86		1.888						
1	2		2.311						
1	3		2.857						
1	4		3.479						
1	5		3.947						
2	6		2.553						
2	7		3.035						
2	8		3.703						
2	9		3.835						
2	10		4.901						
8	PCB-1254								1
1	100		3.531						
1	2		3.946						
1	3		4.250						
1	4		4.457						
1	5		4.758						
2	6		4.395						
2	7		4.900						
2	8		5.161						
2	9		5.542						
2	10		5.761						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									1
1	100		4.149						
1	2		4.458						
1	3		4.758						
1	4		5.508						
1	5		5.810						
2	6		5.123						
2	7		5.370						
2	8		5.757						
2	9		6.491						
2	10		6.893						
$ 12 DCB Decachlorobiphenyl									
1	100	7.046	7.045	0.001	62992337	0.0270			
2	2	8.205	8.205	0.000	37500647	0.0278			
						RPD = 3.14			

QC Flag Legend

Processing Flags
1 - Missing Peaks

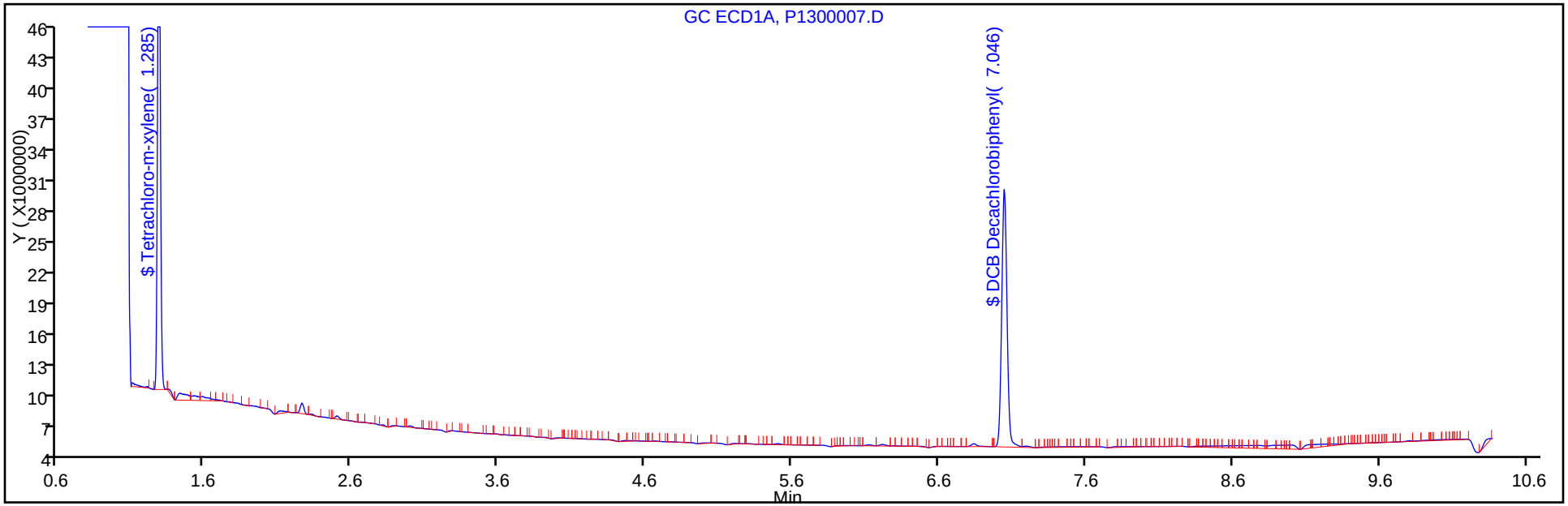
Report Date: 21-Dec-2012 09:49:20 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

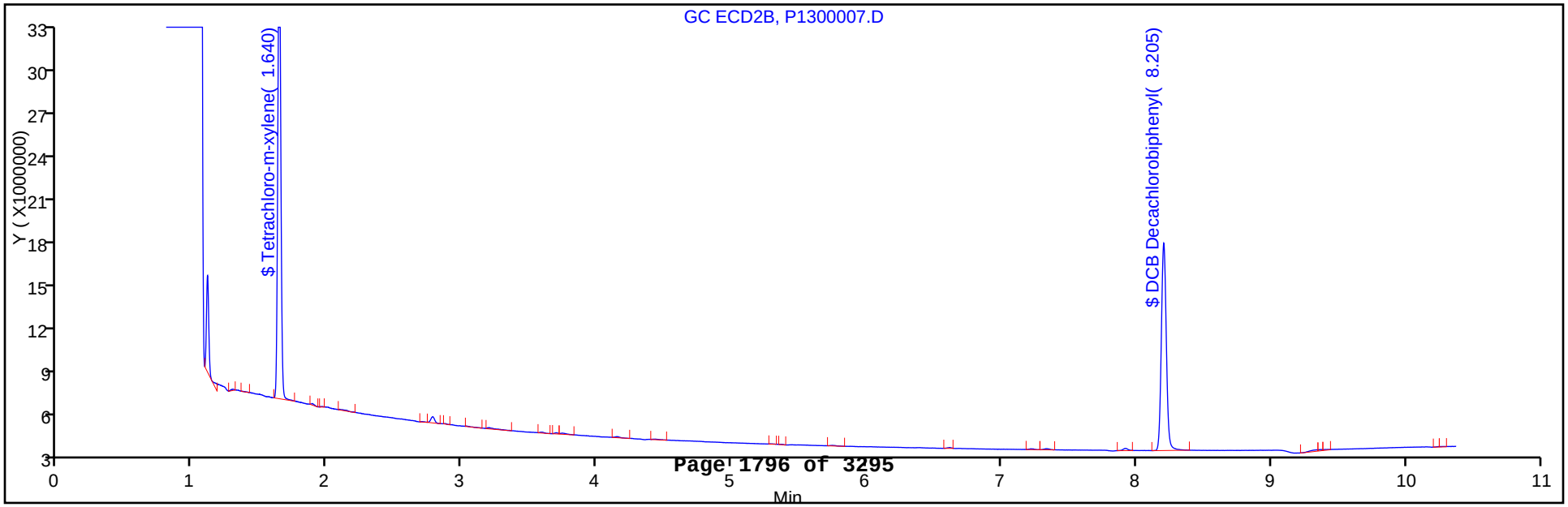
Data File: \\NCChrom\ChromData\A2HP13\20121218-15947.b\P1300007.D

Injection Date:	18-Dec-2012 09:26:22	Limit Group:	GC 8082A ICAL
Client ID:	070-0057-0001-SOURCE WATER	Instrument ID:	A2HP13
Lims Batch ID:	69119	Lims Sample ID:	7
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: 070-0057-0001-SOURCE | Lab Sample ID: 240-18735-4

Matrix: Water | Lab File ID: P1300007.D

Analysis Method: 8082/DOD | Date Collected: 12/12/2012 13:15

Extraction Method: 3520C | Date Extracted: 12/13/2012 11:37

Sample wt/vol: 1050(mL) | Date Analyzed: 12/18/2012 09:26

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69119 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	0.19	U	0.48	0.19	0.12
12674-11-2	Aroclor-1016	0.19	U	0.48	0.19	0.16
11141-16-5	Aroclor-1232	0.19	U	0.48	0.19	0.15
53469-21-9	Aroclor-1242	0.38	U	0.48	0.38	0.21
12672-29-6	Aroclor-1248	0.19	U	0.48	0.19	0.095
11097-69-1	Aroclor-1254	0.19	U	0.48	0.19	0.15
11096-82-5	Aroclor-1260	0.19	U	0.48	0.19	0.16

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	90		40-140
2051-24-3	DCB Decachlorobiphenyl	70		40-135

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121218-15947.b\P1300007.D		
Lims ID:	240-18735-L-4-A	Client ID:	070-0057-0001-SOURCE WATER
Inject. Date:	18-Dec-2012 09:26:22	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0015947-007		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 uL	ALS Bottle#:	7
Lims Batch ID:	69119	Lims Sample ID:	7
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121218-15947.b\PCB13.m		
Last Update:	21-Dec-2012 09:49:15	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.285	1.285	0.000	70195498	0.0307			
2	2	1.640	1.640	0.000	51734171	0.0360			
						RPD = 15.73			
3 PCB-1221									1
1	2		1.429						
1	3		1.579						
1	4		1.547						
2	4		1.934						
2	5		2.073						
2	6		2.132						
4 PCB-1232									
1	100		1.580						
1	2		1.888						
1	3		2.314						
1	4		2.444						
1	5		2.856						
2	6		2.132						
2	7		2.556						
2	8		3.037						
2	9		3.185						
2	10		3.836						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 PCB-1016									
1	100		1.580						
1	2		1.888						
1	3		2.315						
1	4		2.445						
1	5		2.858						
2	6		2.134						
2	7		2.556						
2	8		3.037						
2	9		3.185						
2	10		3.837						
5 PCB-1242									
1	100		1.580						
1	2		1.888						
1	3		2.313						
1	4		2.444						
1	5		2.858						
2	6		2.132						
2	7		2.555						
2	8		3.037						
2	9		3.185						
2	10		3.703						
7 PCB-1248									1
1	86		1.888						
1	2		2.311						
1	3		2.857						
1	4		3.479						
1	5		3.947						
2	6		2.553						
2	7		3.035						
2	8		3.703						
2	9		3.835						
2	10		4.901						
8 PCB-1254									1
1	100		3.531						
1	2		3.946						
1	3		4.250						
1	4		4.457						
1	5		4.758						
2	6		4.395						
2	7		4.900						
2	8		5.161						
2	9		5.542						
2	10		5.761						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									1
1	100		4.149						
1	2		4.458						
1	3		4.758						
1	4		5.508						
1	5		5.810						
2	6		5.123						
2	7		5.370						
2	8		5.757						
2	9		6.491						
2	10		6.893						
$ 12 DCB Decachlorobiphenyl									
1	100	7.046	7.045	0.001	62992337	0.0270			
2	2	8.205	8.205	0.000	37500647	0.0278			
						RPD = 3.14			

QC Flag Legend

Processing Flags
1 - Missing Peaks

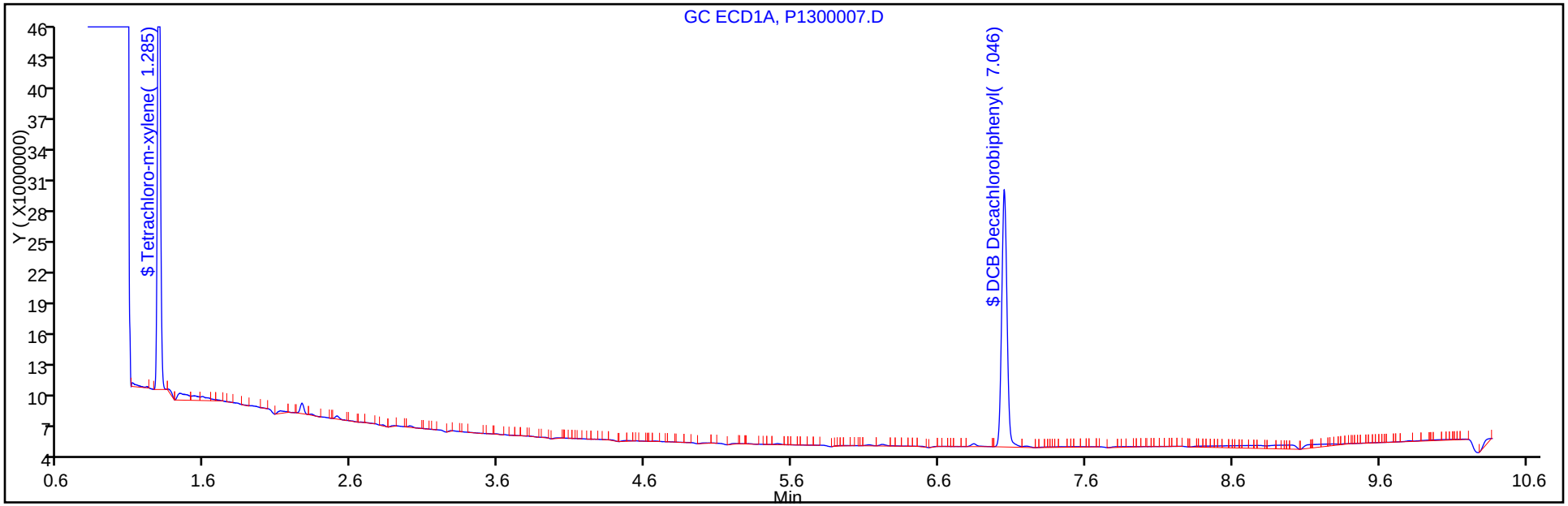
Report Date: 21-Dec-2012 09:49:20 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

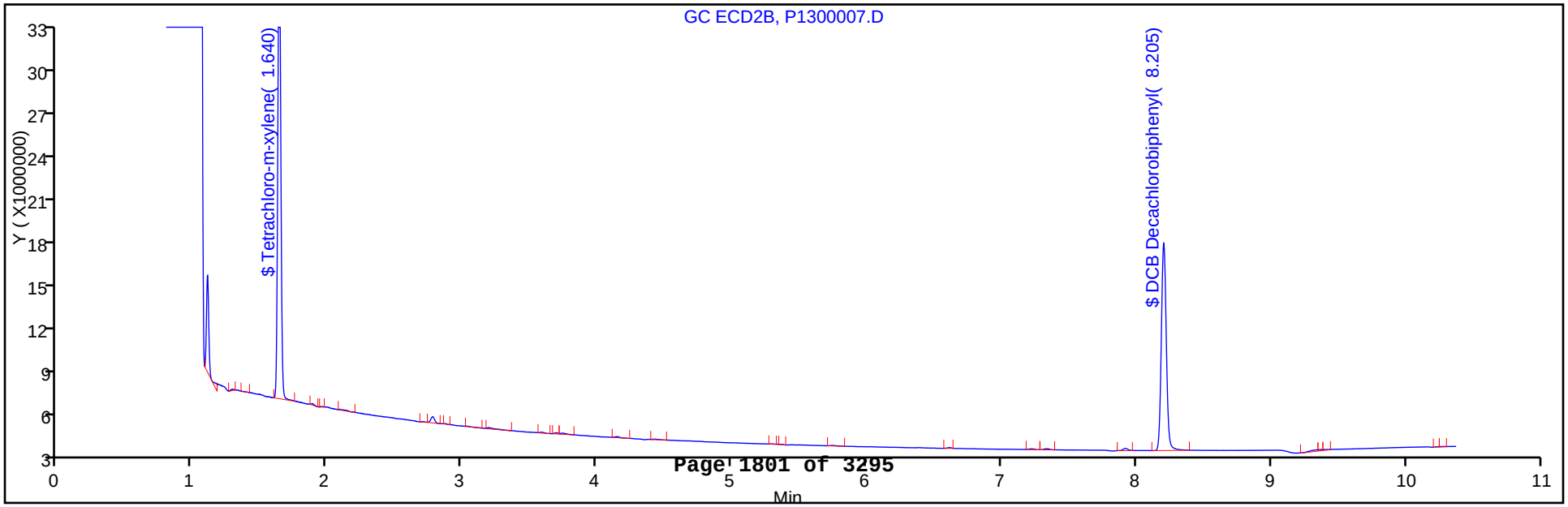
Data File: \\NCChrom\ChromData\A2HP13\20121218-15947.b\P1300007.D

Injection Date:	18-Dec-2012 09:26:22	Limit Group:	GC 8082A ICAL
Client ID:	070-0057-0001-SOURCE WATER	Instrument ID:	A2HP13
Lims Batch ID:	69119	Lims Sample ID:	7
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 16:53 Calibration End Date: 10/21/2012 18:07 Calibration ID: 12012

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/3	P1300003.D
Level 2	STD01 240-62068/4	P1300004.D
Level 3	STD02 240-62068/5	P1300005.D
Level 4	STD05 240-62068/6	P1300006.D
Level 5	STD1 240-62068/7	P1300007.D
Level 6	STD2 240-62068/8	P1300008.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1232 Peak 1	1.588	1.587	1.586	1.586	1.586	1.587					1.538 - 1.638	1.587
PCB-1232 Peak 2	1.898	1.897	1.896	1.895	1.895	1.897					1.848 - 1.948	1.896
PCB-1232 Peak 3	2.323	2.322	2.321	2.323	2.322	2.323					2.273 - 2.373	2.322
PCB-1232 Peak 4	2.455	2.455	2.454	2.453	2.453	2.454					2.405 - 2.505	2.454
PCB-1232 Peak 5	2.867	2.868	2.866	2.867	2.866	2.868					2.817 - 2.917	2.867

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 16:53 Calibration End Date: 10/21/2012 18:07 Calibration ID: 12012

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/3	P1300003.D
Level 2	STD01 240-62068/4	P1300004.D
Level 3	STD02 240-62068/5	P1300005.D
Level 4	STD05 240-62068/6	P1300006.D
Level 5	STD1 240-62068/7	P1300007.D
Level 6	STD2 240-62068/8	P1300008.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
PCB-1232 Peak 1	51764660 37237214	49090910 34310972	44176480	41705868	Ave		43047684.0				16.0		20.0			
PCB-1232 Peak 2	42646440 31853144	39987320 28817742	36283850	34142130	Ave		35621770.9				14.0		20.0			
PCB-1232 Peak 3	75350060 64967291	81371340 62934758	74442310	68841284	Ave		71317840.4				9.8		20.0			
PCB-1232 Peak 4	27198420 26893700	27312400 25313552	28750230	28214782	Ave		27280514.0				4.4		20.0			
PCB-1232 Peak 5	34283460 26108691	32547380 24806478	29294490	28289906	Ave		29221734.2				13.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 16:53 Calibration End Date: 10/21/2012 18:07 Calibration ID: 12012

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/3	P1300003.D
Level 2	STD01 240-62068/4	P1300004.D
Level 3	STD02 240-62068/5	P1300005.D
Level 4	STD05 240-62068/6	P1300006.D
Level 5	STD1 240-62068/7	P1300007.D
Level 6	STD2 240-62068/8	P1300008.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1232 Peak 1	Ave	2588233 68621944	4909091	8835296	20852934	37237214	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 2	Ave	2132322 57635483	3998732	7256770	17071065	31853144	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 3	Ave	3767503 125869515	8137134	14888462	34420642	64967291	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 4	Ave	1359921 50627104	2731240	5750046	14107391	26893700	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 5	Ave	1714173 49612956	3254738	5858898	14144953	26108691	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:

Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300003.D
Lims ID: STD005 1232 Client ID:
Inject. Date: 21-Oct-2012 16:53:20 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0014228-003
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 3
Lims Batch ID: 62068 Lims Sample ID: 3
Sublist: chrom-PCB13*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:48 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:01:42

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									M
1	100	1.588	1.588	0.000	2588233	0.0601		100.0	M
1	2	1.898	1.898	0.000	2132322	0.0599	57.1- 107.1	82.4	
1	3	2.323	2.323	0.000	3767503	0.0528	143.5- 193.5	145.6	
1	4	2.455	2.455	0.000	1359921	0.0498	40.1- 90.1	52.5	
1	5	2.867	2.867	0.000	1714173	0.0587	41.3- 91.3	66.2	
			Average of Peak Amounts =			0.0563			
2	6	2.148	2.148	0.000	1473528	0.0606		100.0	
2	7	2.573	2.573	0.000	1392845	0.0594	67.8- 127.8	94.5	
2	8	3.054	3.054	0.000	2424624	0.0598	132.2- 192.2	164.5	
2	9	3.201	3.201	0.000	1070427	0.0611	40.5- 100.5	72.6	
2	10	3.854	3.854	0.000	896641	0.0604	30.2- 90.2	60.8	
			Average of Peak Amounts =			0.0603			
						RPD = 6.86			

QC Flag Legend

Review Flags
M - Manually Integrated

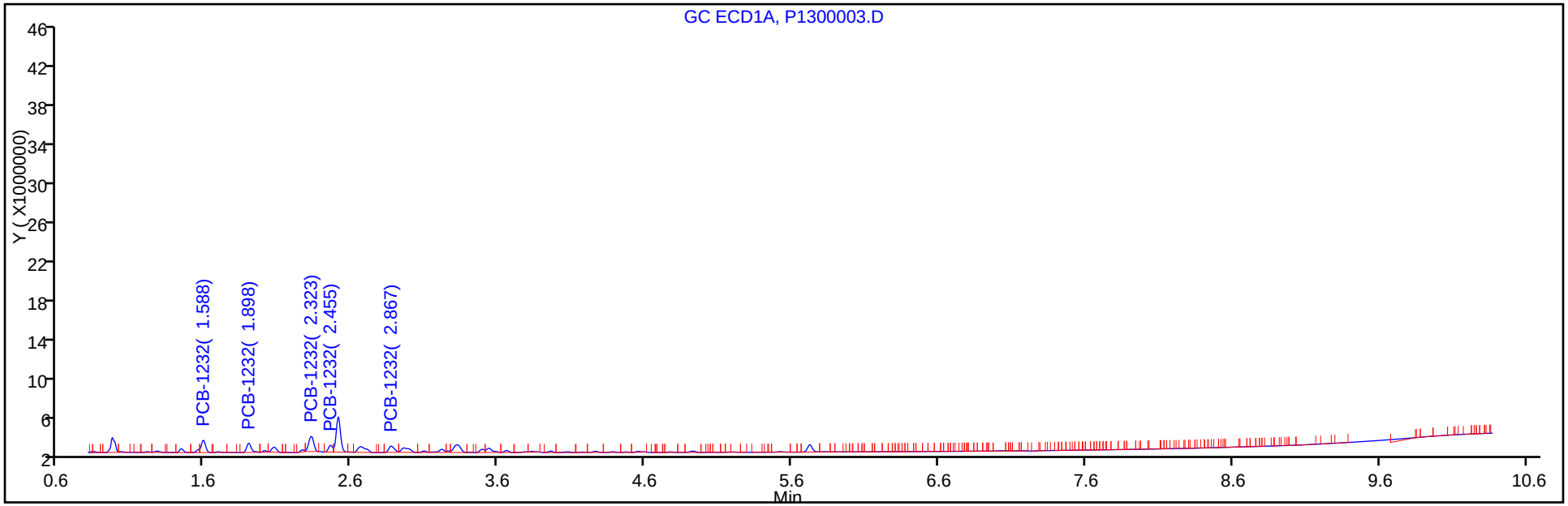
Report Date: 22-Oct-2012 09:18:48 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

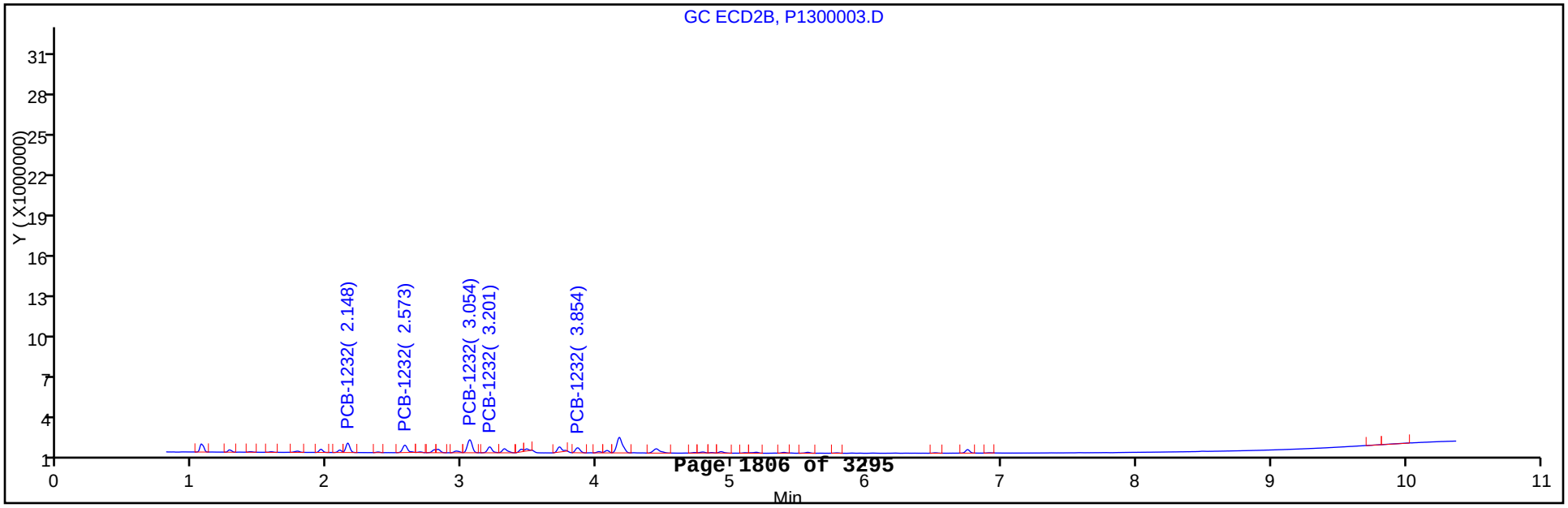
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300003.D

Injection Date:	21-Oct-2012 16:53:20	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	3
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



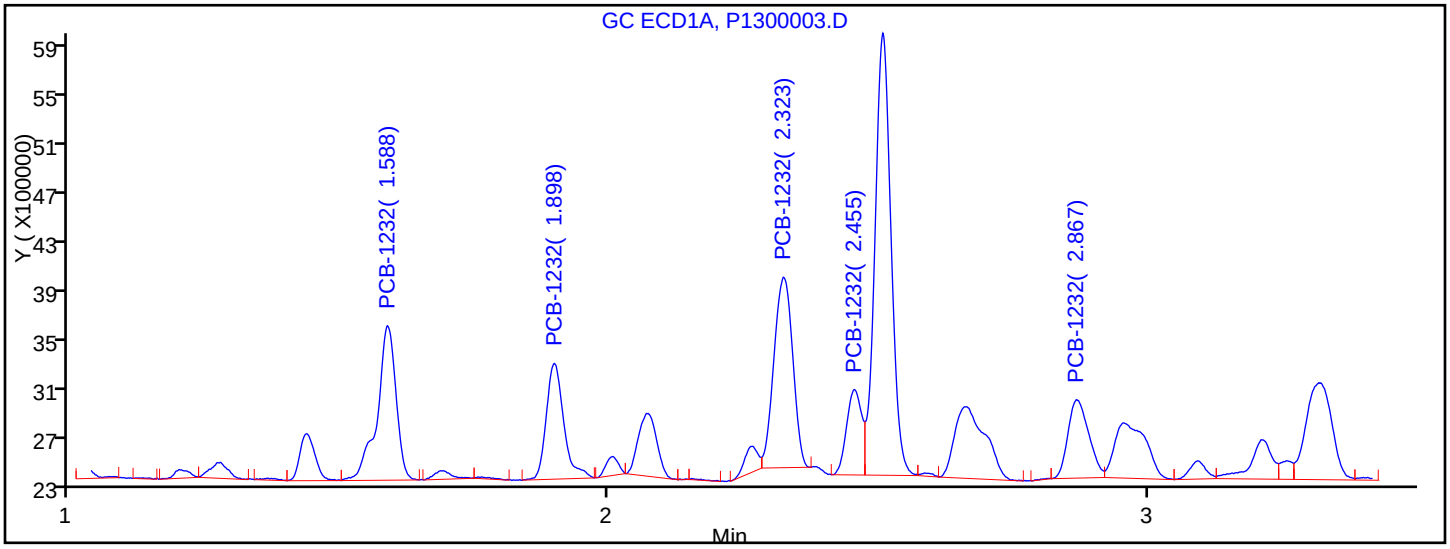
Report Date: 22-Oct-2012 09:18:48 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300003.D

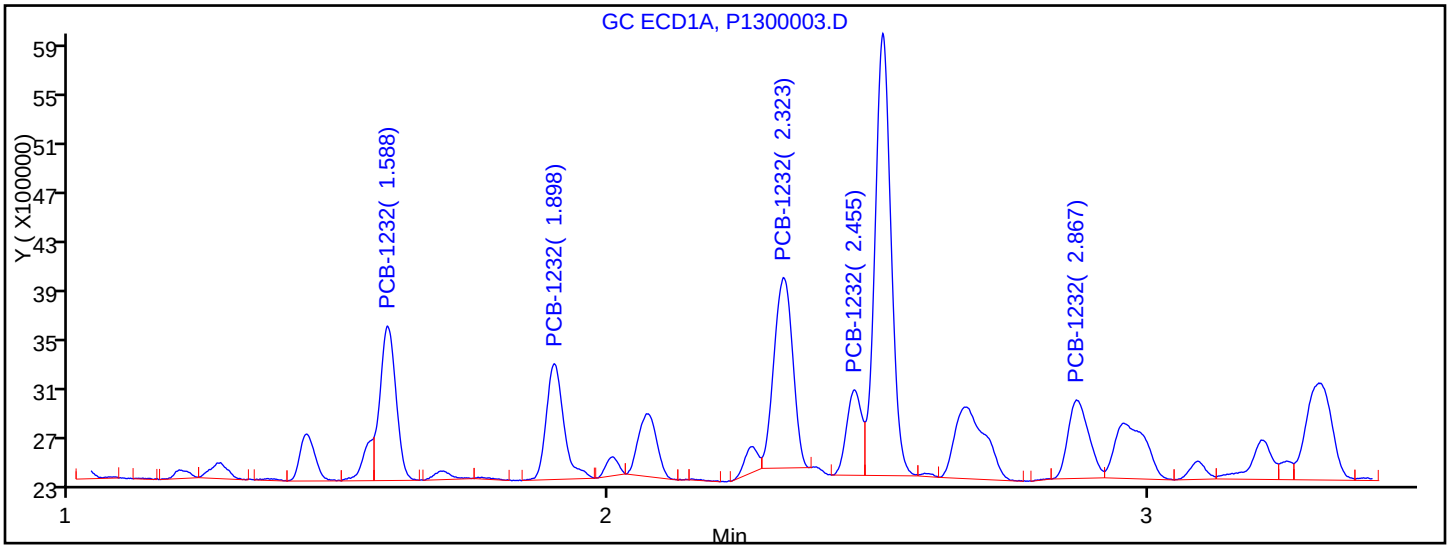
Injection Date:	21-Oct-2012 16:53:20	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	3
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

4 PCB-1232, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.588	Response = 3066179	M
RT = 1.898	Response = 2132322	
RT = 2.323	Response = 3767503	
RT = 2.455	Response = 1359921	
RT = 2.867	Response = 1714173	



Manual Integration Results

RT = 1.588	Response = 2588233	M
RT = 1.898	Response = 2132322	
RT = 2.323	Response = 3767503	
RT = 2.455	Response = 1359921	
RT = 2.867	Response = 1714173	

Reviewer: hassl, 22-Oct-2012 09:01:42

Audit Action: Split an Integrated Peak

Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300004.D
Lims ID: STD01 1232 Client ID:
Inject. Date: 21-Oct-2012 17:08:13 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0014228-004
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 62068 Lims Sample ID: 4
Sublist: chrom-PCB13*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:46 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:01:32

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									M
1	100	1.587	1.588	-0.001	4909091	0.1140		100.0	M
1	2	1.897	1.898	-0.001	3998732	0.1123	57.1- 107.1	81.5	
1	3	2.322	2.323	-0.001	8137134	0.1141	143.5- 193.5	165.8	
1	4	2.455	2.455	0.000	2731240	0.1001	40.1- 90.1	55.6	
1	5	2.868	2.867	0.001	3254738	0.1114	41.3- 91.3	66.3	
			Average of Peak Amounts =			0.1104			
2	6	2.148	2.148	0.000	2635543	0.1085		100.0	
2	7	2.572	2.573	-0.001	2464456	0.1050	67.8- 127.8	93.5	
2	8	3.053	3.054	-0.001	4271561	0.1054	132.2- 192.2	162.1	
2	9	3.202	3.201	0.001	1926793	0.1100	40.5- 100.5	73.1	
2	10	3.855	3.854	0.001	1530329	0.1030	30.2- 90.2	58.1	
			Average of Peak Amounts =			0.1064			
						RPD = 3.68			

QC Flag Legend

Review Flags
M - Manually Integrated

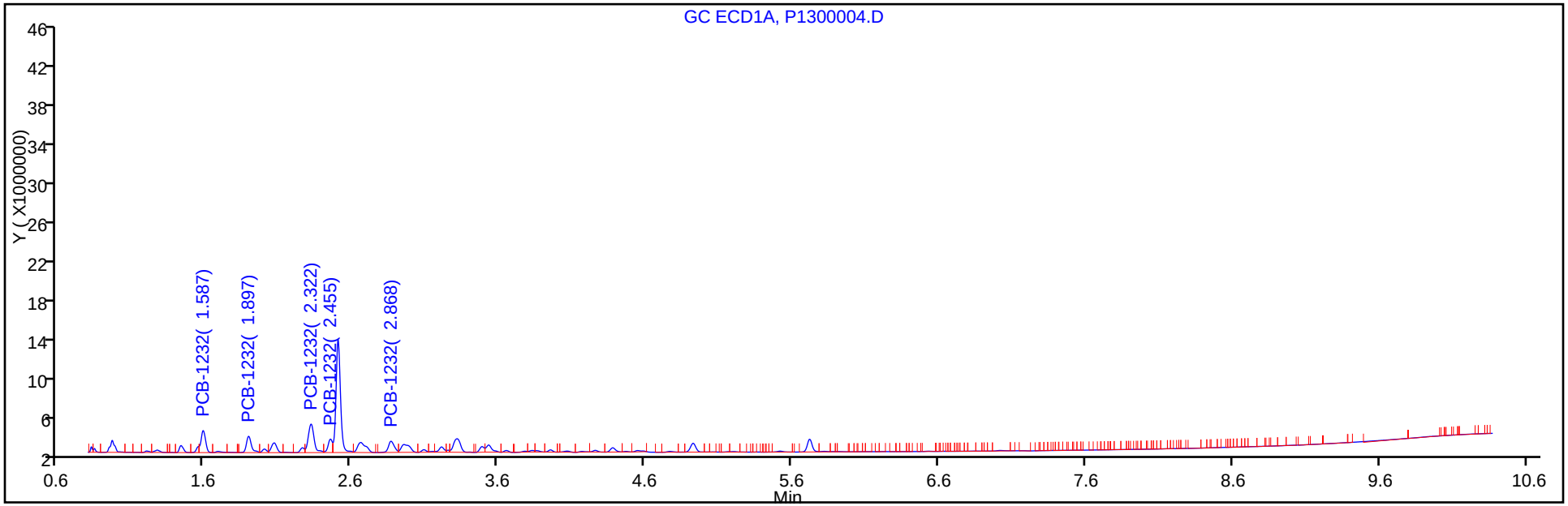
Report Date: 22-Oct-2012 09:18:47 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

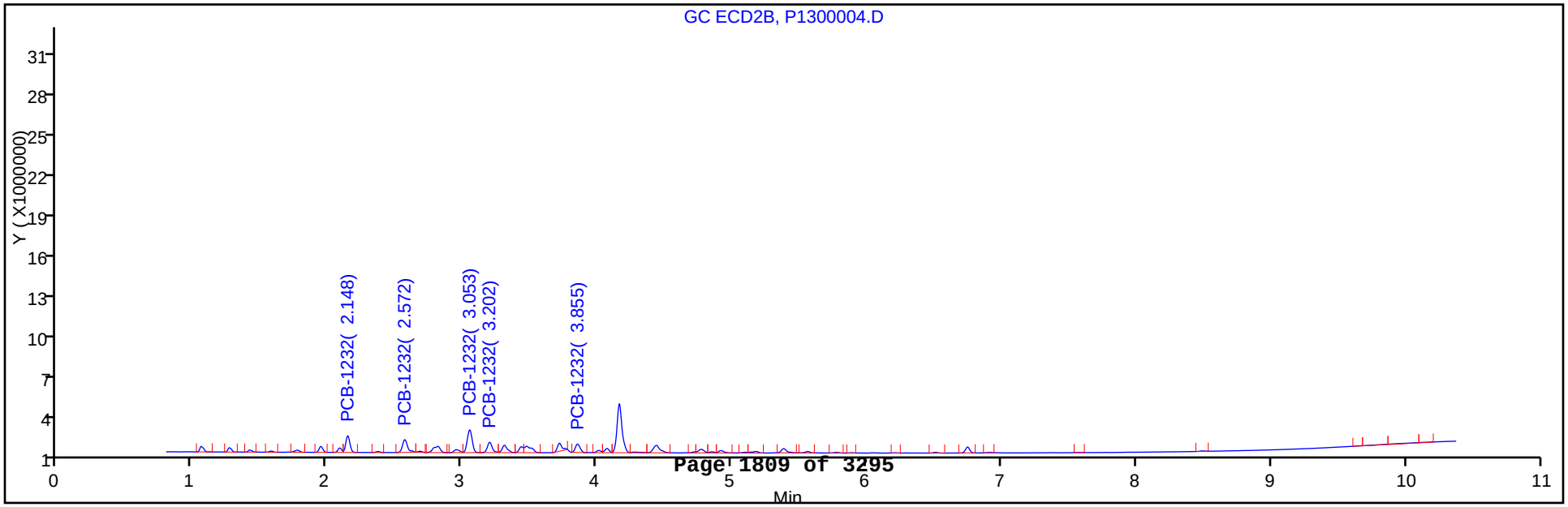
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300004.D

Injection Date:	21-Oct-2012 17:08:13	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	4
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



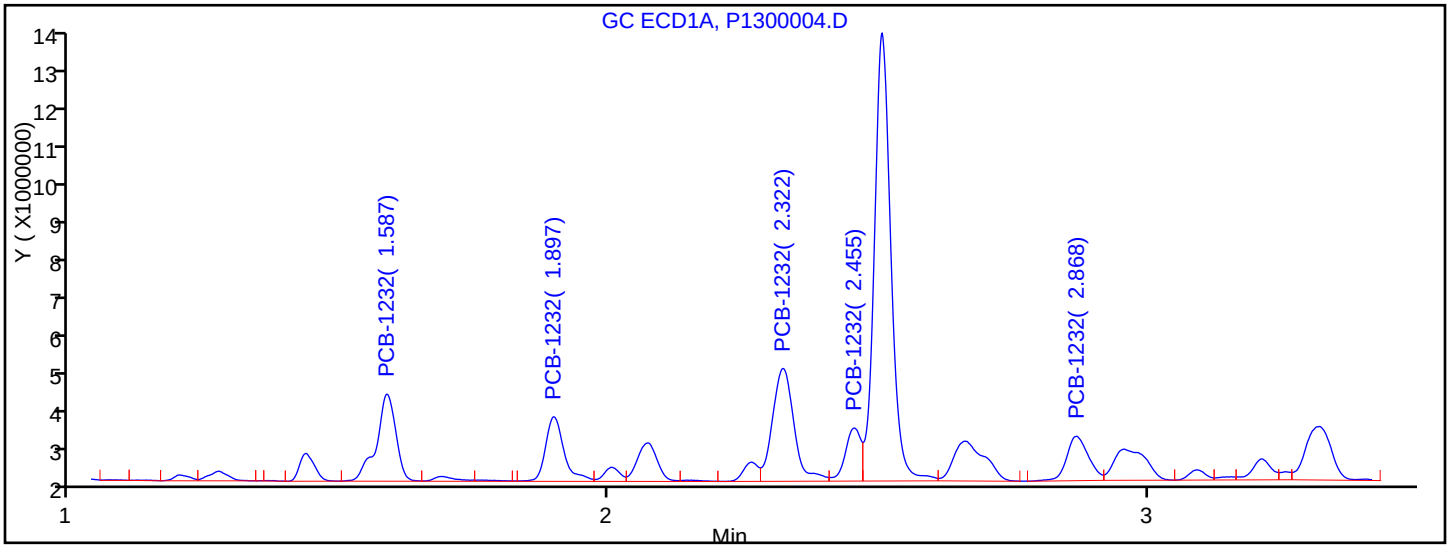
Report Date: 22-Oct-2012 09:18:47 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300004.D

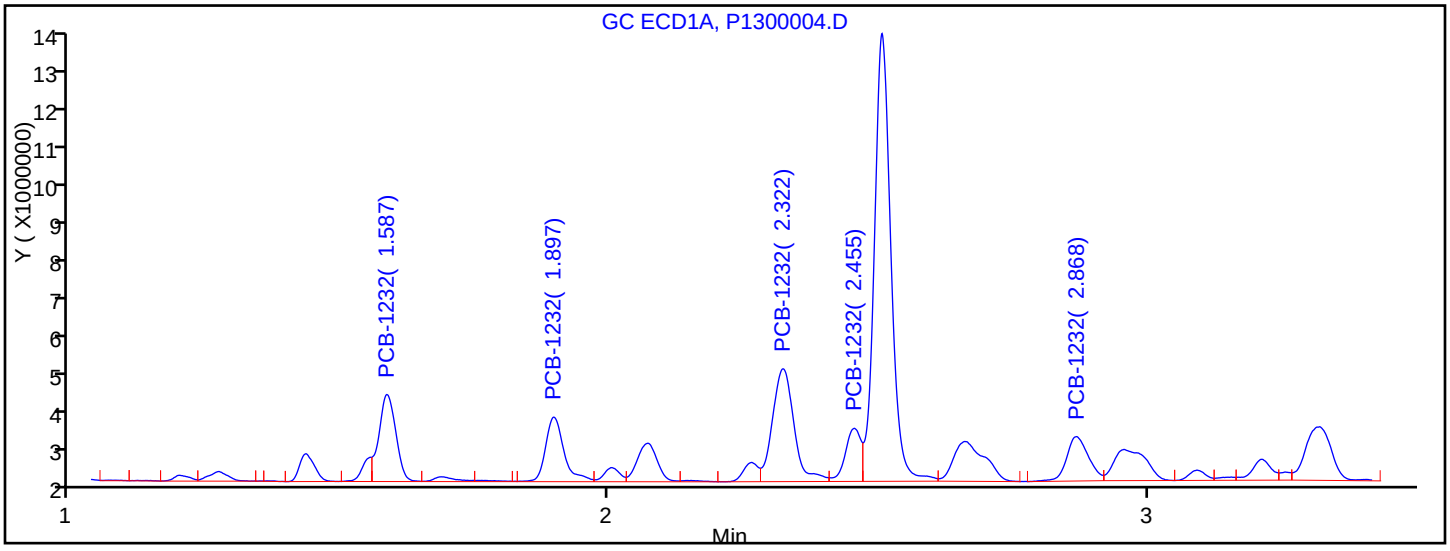
Injection Date:	21-Oct-2012 17:08:13	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	4
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

4 PCB-1232, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.587	Response = 5672452	M
RT = 1.897	Response = 3998732	
RT = 2.322	Response = 8137134	
RT = 2.455	Response = 2731240	
RT = 2.868	Response = 3254738	



Manual Integration Results

RT = 1.587	Response = 4909091	M
RT = 1.897	Response = 3998732	
RT = 2.322	Response = 8137134	
RT = 2.455	Response = 2731240	
RT = 2.868	Response = 3254738	

Reviewer: hassl, 22-Oct-2012 09:01:32

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300005.D
Lims ID: STD02 1232 Client ID:
Inject. Date: 21-Oct-2012 17:23:11 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0014228-005
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 62068 Lims Sample ID: 5
Sublist: chrom-PCB13*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:44 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:01:18

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									M
1	100	1.586	1.588	-0.002	8835296	0.2052		100.0	M
1	2	1.896	1.898	-0.002	7256770	0.2037	57.1- 107.1	82.1	
1	3	2.321	2.323	-0.002	14888462	0.2088	143.5- 193.5	168.5	
1	4	2.454	2.455	-0.001	5750046	0.2108	40.1- 90.1	65.1	
1	5	2.866	2.867	-0.001	5858898	0.2005	41.3- 91.3	66.3	
			Average of Peak Amounts =			0.2058			
2	6	2.147	2.148	-0.001	4864632	0.2002		100.0	
2	7	2.571	2.573	-0.002	4757412	0.2027	67.8- 127.8	97.8	
2	8	3.054	3.054	0.000	7889088	0.1947	132.2- 192.2	162.2	
2	9	3.201	3.201	0.000	3428216	0.1958	40.5- 100.5	70.5	
2	10	3.853	3.854	-0.001	2927551	0.1971	30.2- 90.2	60.2	
			Average of Peak Amounts =			0.1981			
						RPD = 3.82			

QC Flag Legend

Review Flags
M - Manually Integrated

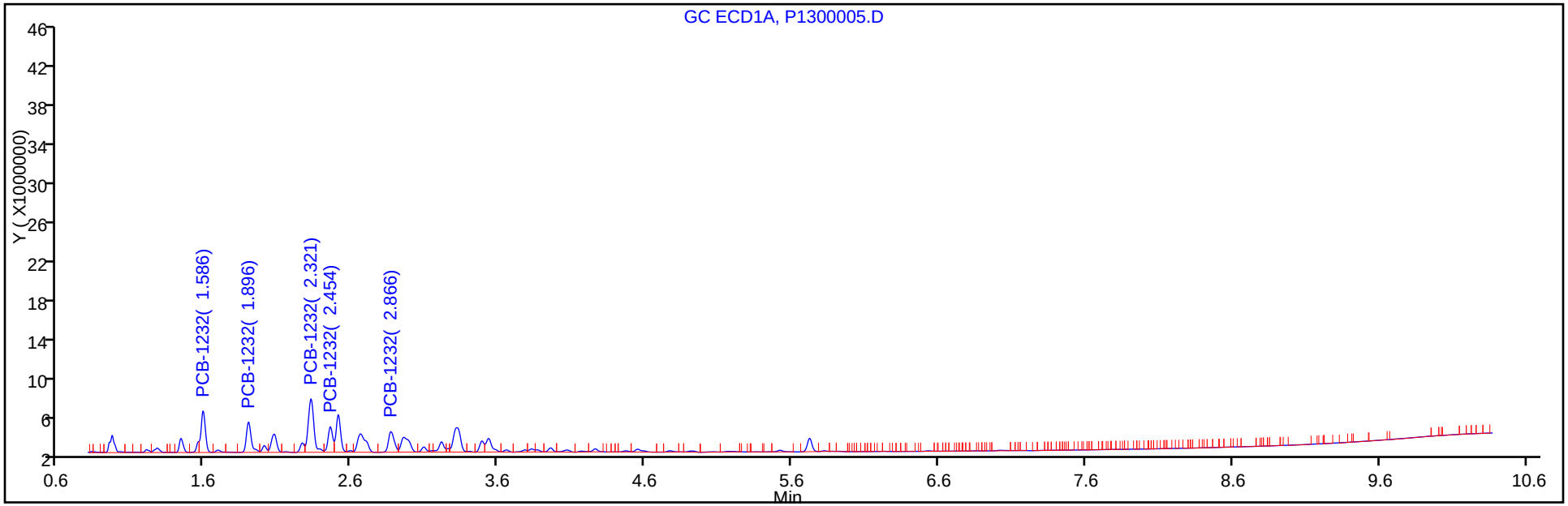
Report Date: 22-Oct-2012 09:18:45 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

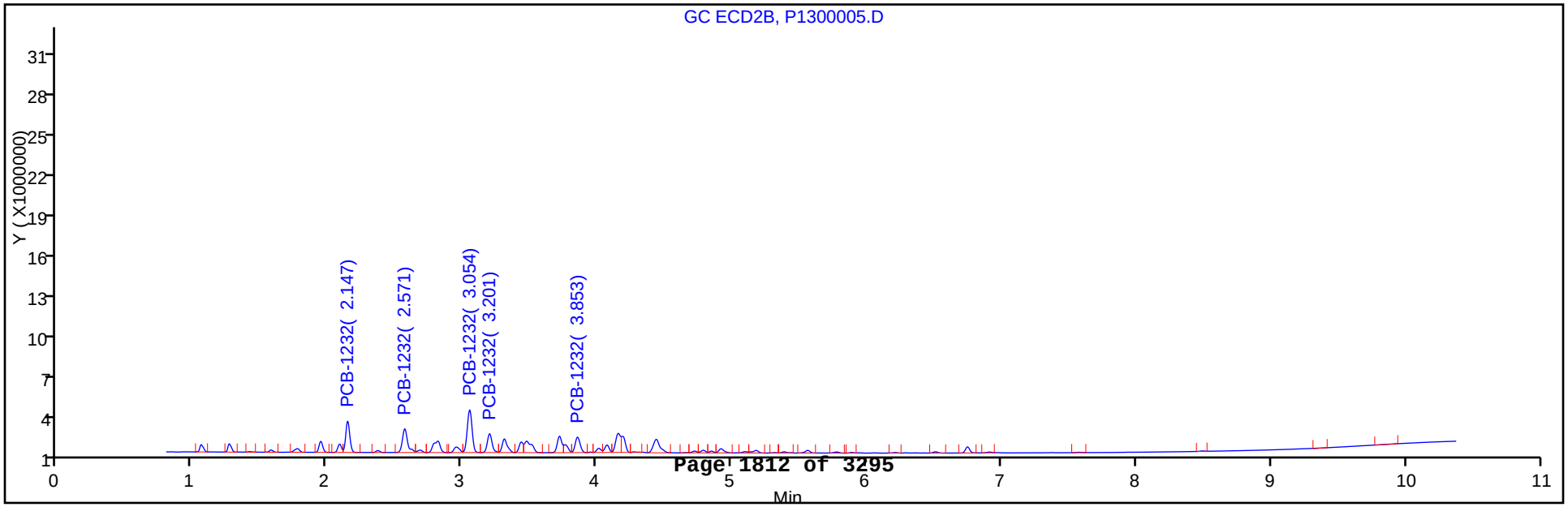
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300005.D

Injection Date:	21-Oct-2012 17:23:11	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	5
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



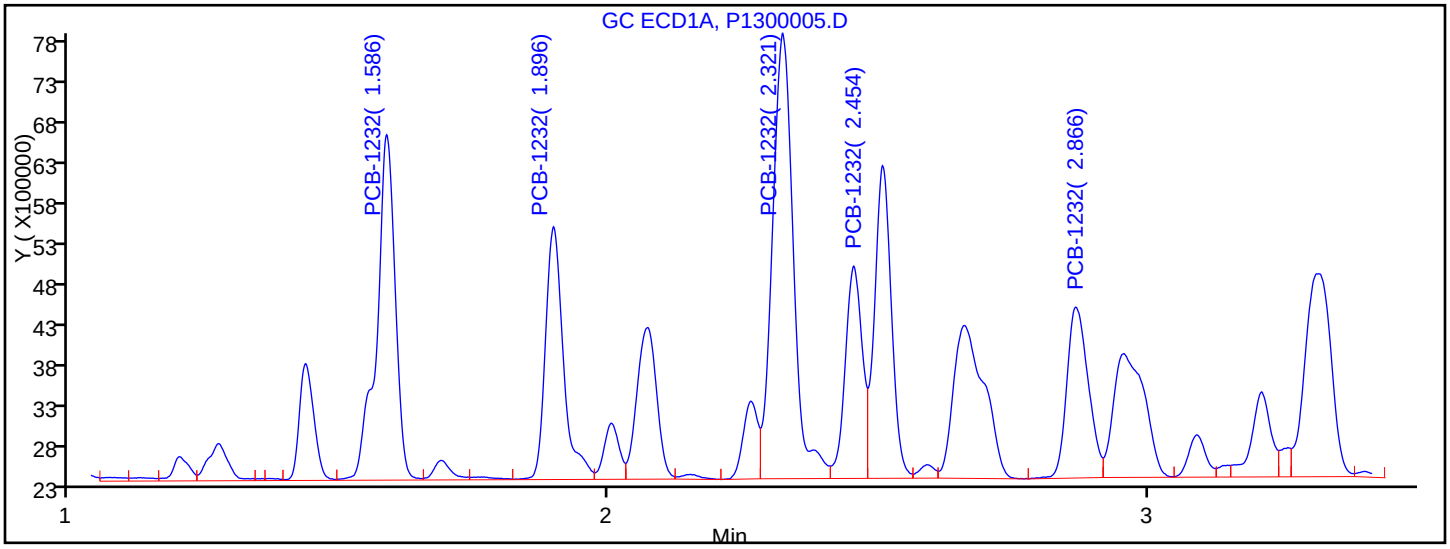
Report Date: 22-Oct-2012 09:18:45 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300005.D

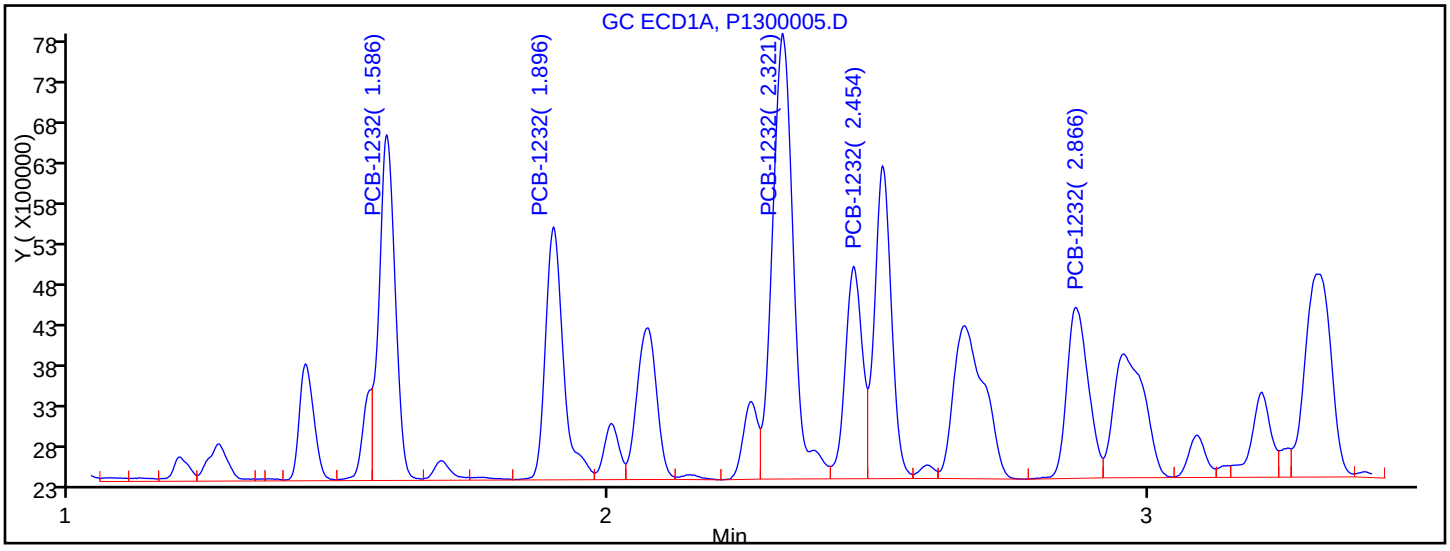
Injection Date:	21-Oct-2012 17:23:11	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	5
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

4 PCB-1232, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.586	Response = 10194719	M
RT = 1.896	Response = 7256770	
RT = 2.321	Response = 14888462	
RT = 2.454	Response = 5750046	
RT = 2.866	Response = 5858898	



Manual Integration Results

RT = 1.586	Response = 8835296	M
RT = 1.896	Response = 7256770	
RT = 2.321	Response = 14888462	
RT = 2.454	Response = 5750046	
RT = 2.866	Response = 5858898	

Reviewer: hassl, 22-Oct-2012 09:01:18

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300006.D
Lims ID: STD05 1232 Client ID:
Inject. Date: 21-Oct-2012 17:38:05 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0014228-006
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 6
Lims Batch ID: 62068 Lims Sample ID: 6
Sublist: chrom-PCB13*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:43 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:01:07

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									M
1	100	1.586	1.588	-0.002	20852934	0.4844		100.0	M
1	2	1.895	1.898	-0.003	17071065	0.4792	57.1- 107.1	81.9	
1	3	2.323	2.323	0.000	34420642	0.4826	143.5- 193.5	165.1	
1	4	2.453	2.455	-0.002	14107391	0.5171	40.1- 90.1	67.7	
1	5	2.867	2.867	0.000	14144953	0.4841	41.3- 91.3	67.8	
			Average of Peak Amounts =			0.4895			
2	6	2.147	2.148	-0.001	11595577	0.4772		100.0	
2	7	2.571	2.573	-0.002	11450223	0.4879	67.8- 127.8	98.7	
2	8	3.053	3.054	-0.001	19421914	0.4792	132.2- 192.2	167.5	
2	9	3.200	3.201	-0.001	8257184	0.4715	40.5- 100.5	71.2	
2	10	3.853	3.854	-0.001	7156405	0.4818	30.2- 90.2	61.7	
			Average of Peak Amounts =			0.4795			
						RPD = 2.06			

QC Flag Legend

Review Flags
M - Manually Integrated

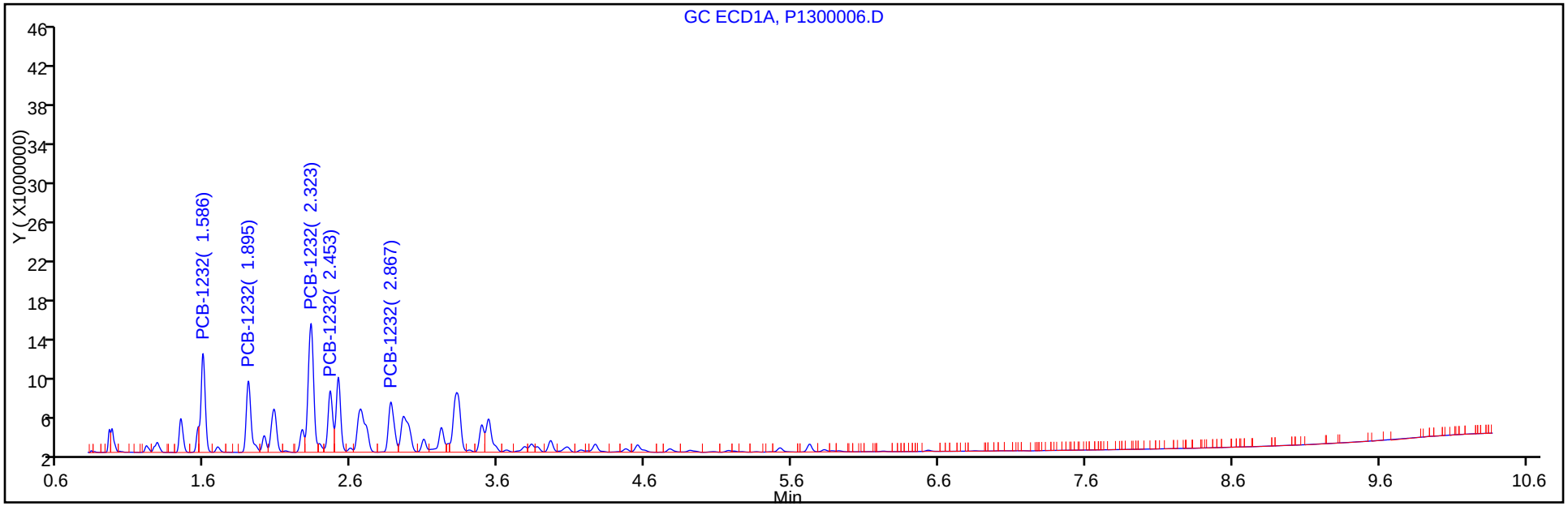
Report Date: 22-Oct-2012 09:18:43 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

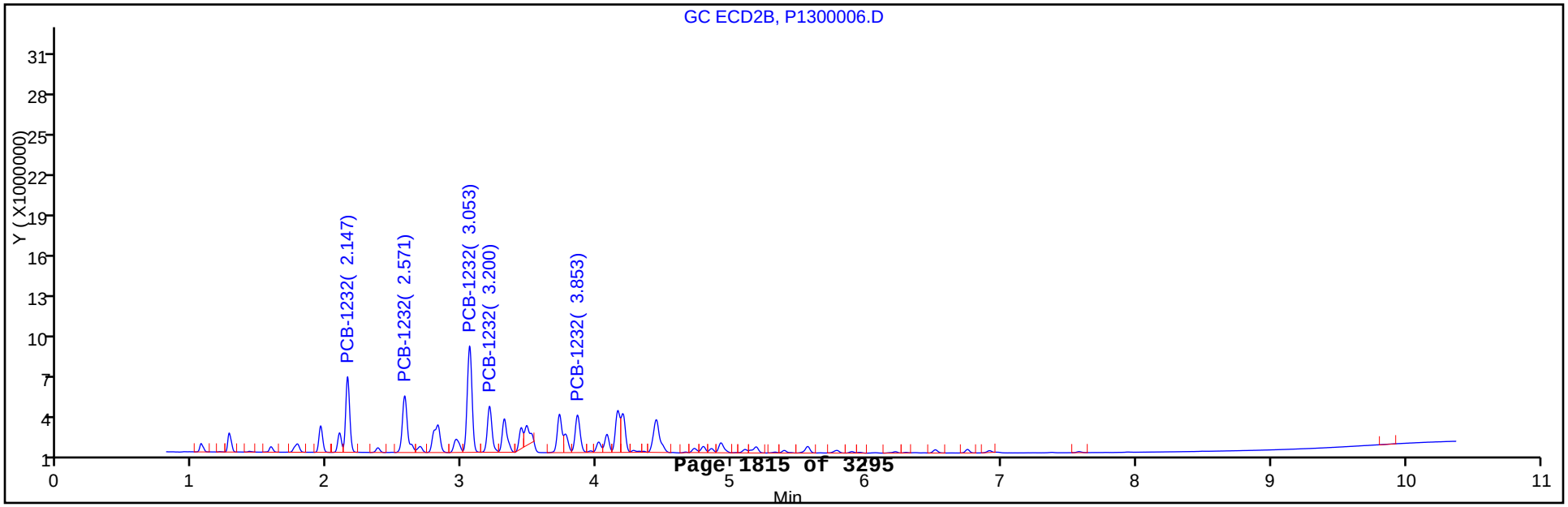
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300006.D

Injection Date:	21-Oct-2012 17:38:05	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	6
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



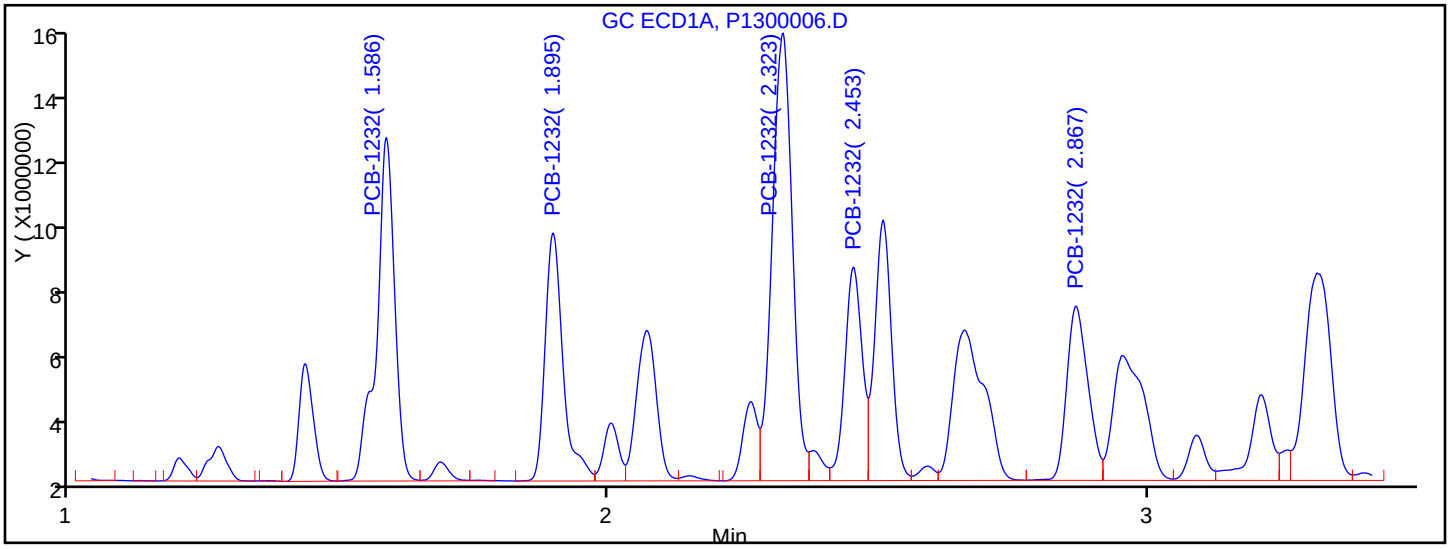
Report Date: 22-Oct-2012 09:18:44 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300006.D

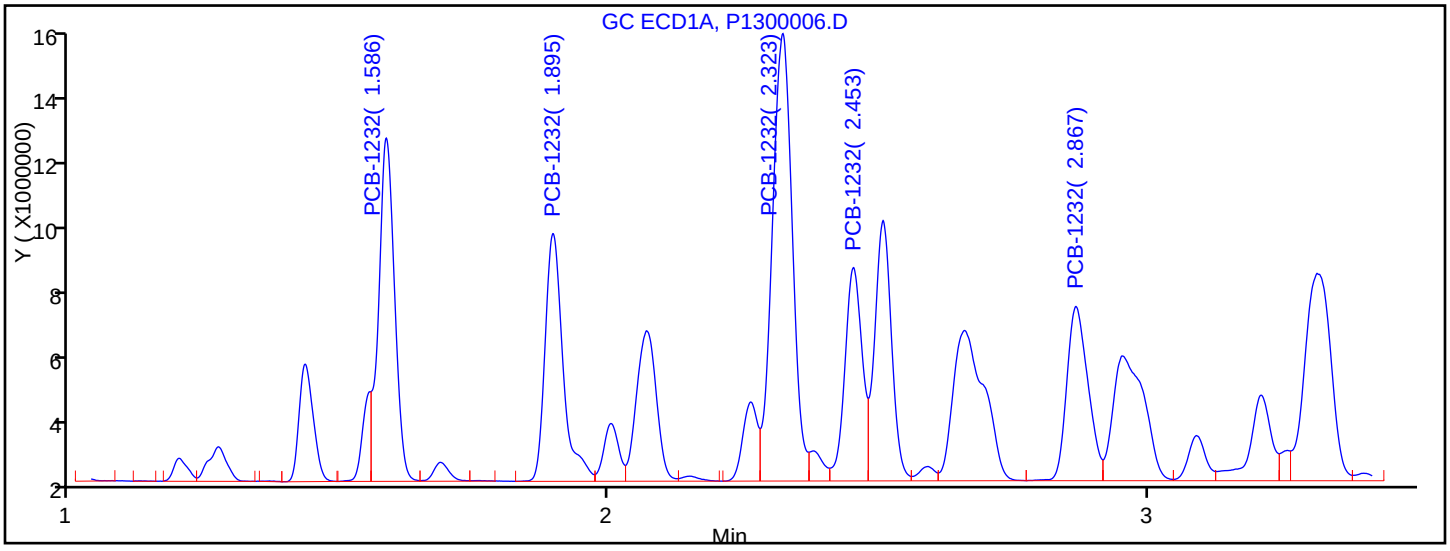
Injection Date:	21-Oct-2012 17:38:05	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	6
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

4 PCB-1232, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.586	Response = 23679458	M
RT = 1.895	Response = 17071065	
RT = 2.323	Response = 34420642	
RT = 2.453	Response = 14107391	
RT = 2.867	Response = 14144953	



Manual Integration Results

RT = 1.586	Response = 20852934	M
RT = 1.895	Response = 17071065	
RT = 2.323	Response = 34420642	
RT = 2.453	Response = 14107391	
RT = 2.867	Response = 14144953	

Reviewer: hassl, 22-Oct-2012 09:01:07

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300007.D
Lims ID: STD1 1232 Client ID:
Inject. Date: 21-Oct-2012 17:53:00 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0014228-007
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 7
Lims Batch ID: 62068 Lims Sample ID: 7
Sublist: chrom-PCB13*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:41 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100	1.586	1.588	-0.002	37237214	0.8650		100.0	
1	2	1.895	1.898	-0.003	31853144	0.8942	57.1- 107.1	85.5	
1	3	2.322	2.323	-0.001	64967291	0.9110	143.5- 193.5	174.5	
1	4	2.453	2.455	-0.002	26893700	0.9858	40.1- 90.1	72.2	
1	5	2.866	2.867	-0.001	26108691	0.8935	41.3- 91.3	70.1	
			Average of Peak Amounts =			0.9099			
2	6	2.147	2.148	-0.001	22094487	0.9092		100.0	
2	7	2.571	2.573	-0.002	21640533	0.9222	67.8- 127.8	97.9	
2	8	3.052	3.054	-0.002	37930476	0.9359	132.2- 192.2	171.7	
2	9	3.201	3.201	0.000	15896826	0.9077	40.5- 100.5	71.9	
2	10	3.853	3.854	-0.001	13872941	0.9340	30.2- 90.2	62.8	
			Average of Peak Amounts =			0.9218			
						RPD = 1.30			

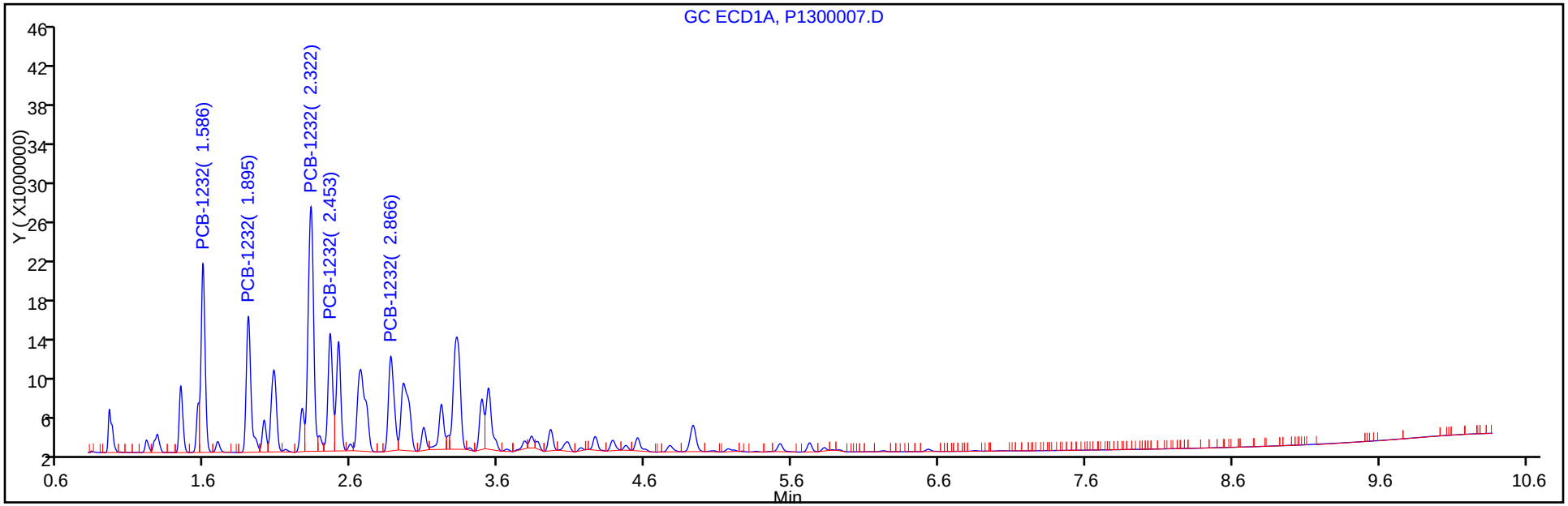
Report Date: 22-Oct-2012 09:18:42 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

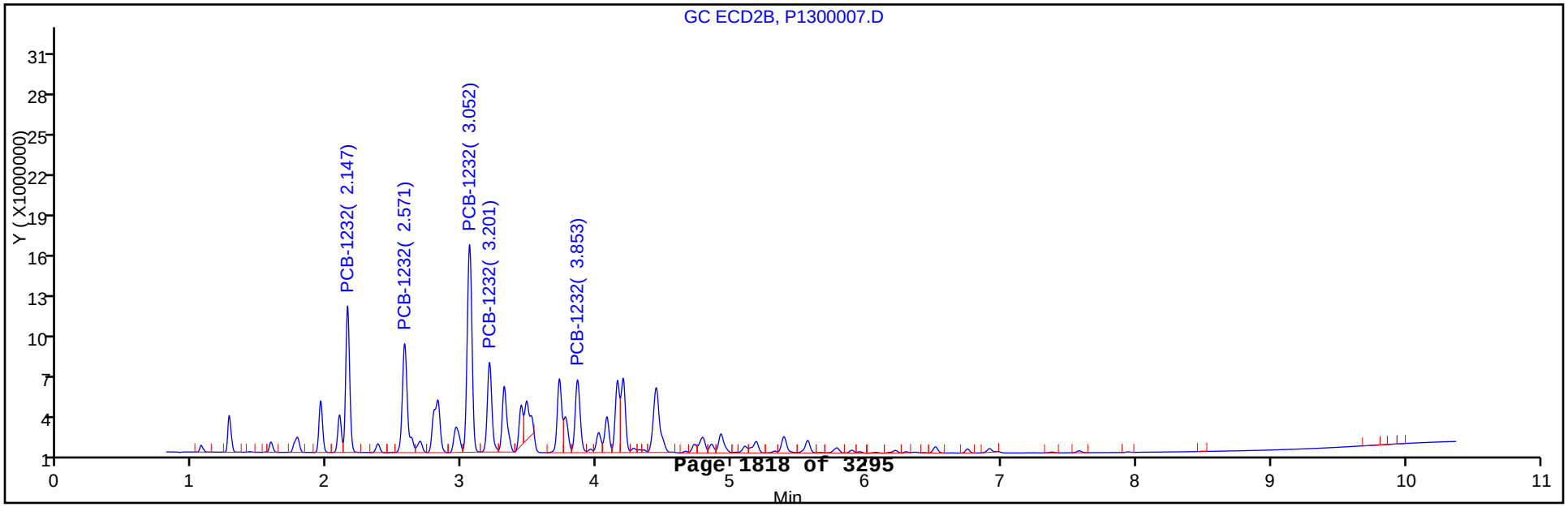
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300007.D

Injection Date:	21-Oct-2012 17:53:00	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	7
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300008.D		
Lims ID:	STD2 1232	Client ID:	
Inject. Date:	21-Oct-2012 18:07:54	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	240-0014228-008		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 ul	ALS Bottle#:	8
Lims Batch ID:	62068	Lims Sample ID:	8
Sublist:	chrom-PCB13*sub4		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m		
Last Update:	22-Oct-2012 09:18:40	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK013		

First Level Reviewer: hassl Date: 22-Oct-2012 09:02:08

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									M
1	100	1.587	1.588	-0.001	68621944	1.59		100.0	M
1	2	1.897	1.898	-0.001	57635483	1.62	57.1- 107.1	84.0	
1	3	2.323	2.323	0.000	125869515	1.76	143.5- 193.5	183.4	
1	4	2.454	2.455	-0.001	50627104	1.86	40.1- 90.1	73.8	
1	5	2.868	2.867	0.001	49612956	1.70	41.3- 91.3	72.3	
			Average of Peak Amounts =			1.71			
2	6	2.148	2.148	0.000	40740192	1.68		100.0	
2	7	2.572	2.573	-0.001	39943050	1.70	67.8- 127.8	98.0	
2	8	3.053	3.054	-0.001	71461098	1.76	132.2- 192.2	175.4	
2	9	3.201	3.201	0.000	29690880	1.70	40.5- 100.5	72.9	
2	10	3.855	3.854	0.001	26115959	1.76	30.2- 90.2	64.1	
			Average of Peak Amounts =			1.72			
						RPD = 0.76			

QC Flag Legend

Review Flags
M - Manually Integrated

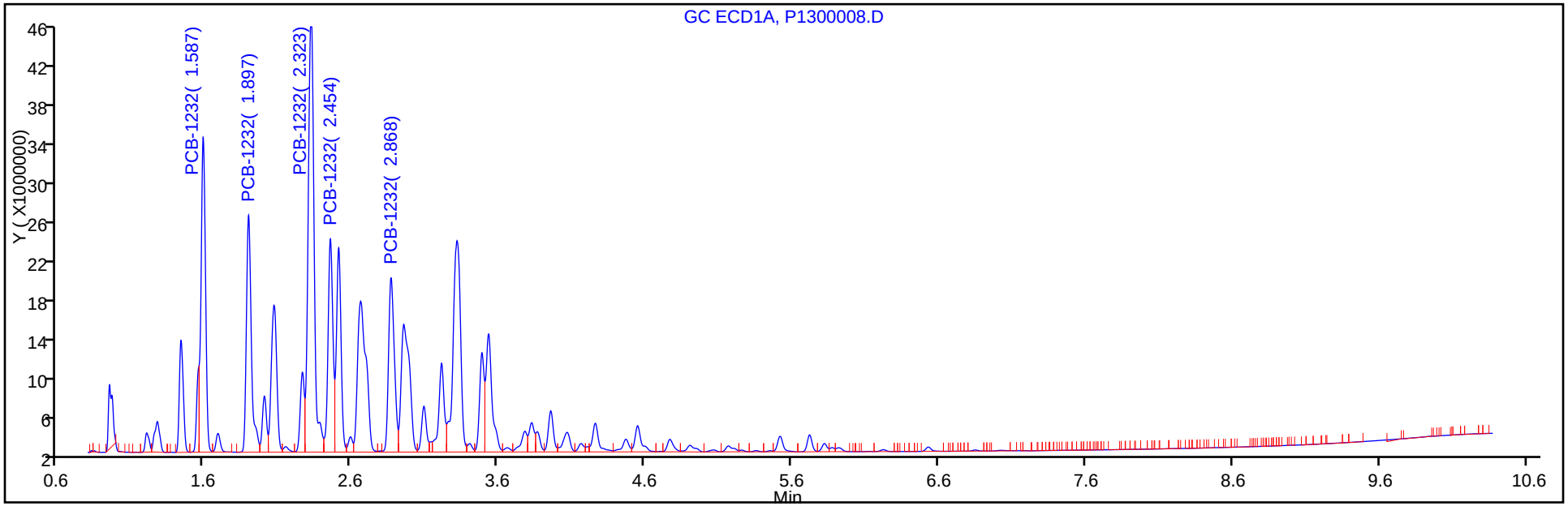
Report Date: 22-Oct-2012 09:18:41 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

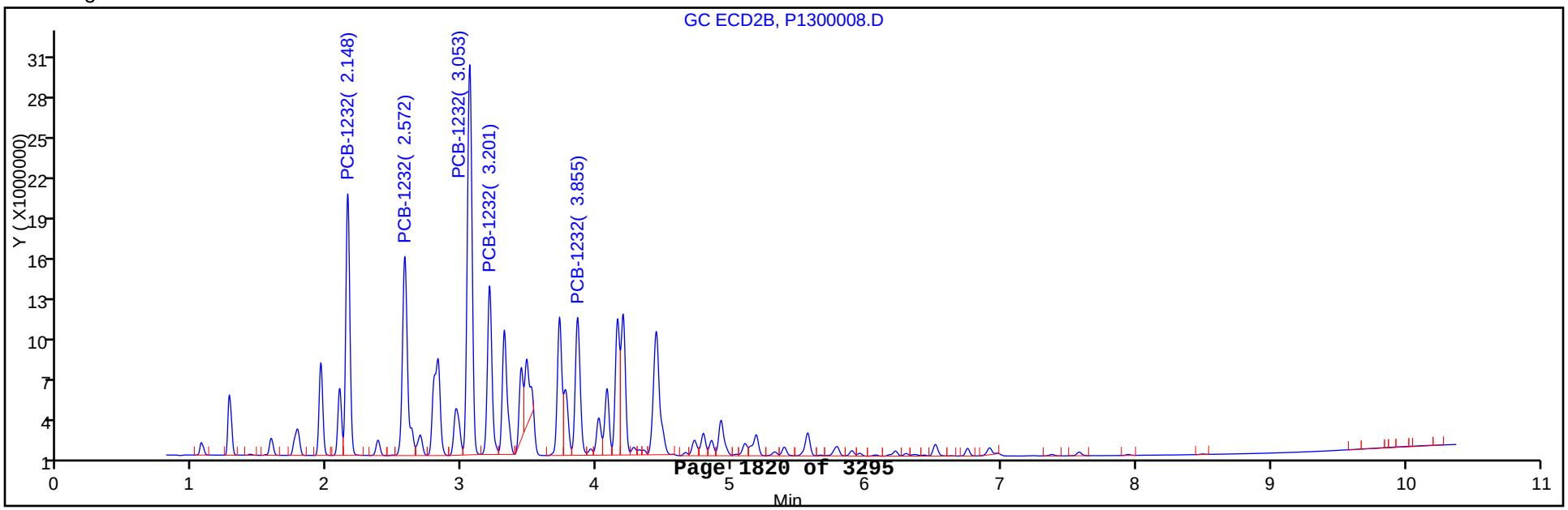
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300008.D

Injection Date:	21-Oct-2012 18:07:54	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	8
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



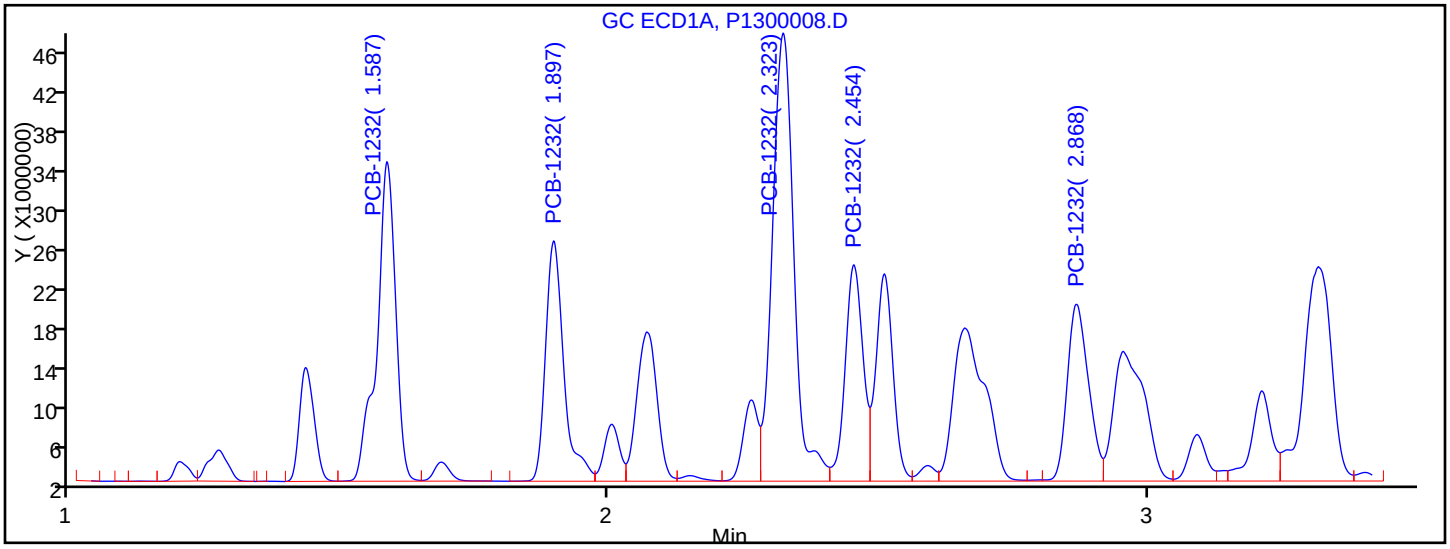
Report Date: 22-Oct-2012 09:18:41 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300008.D

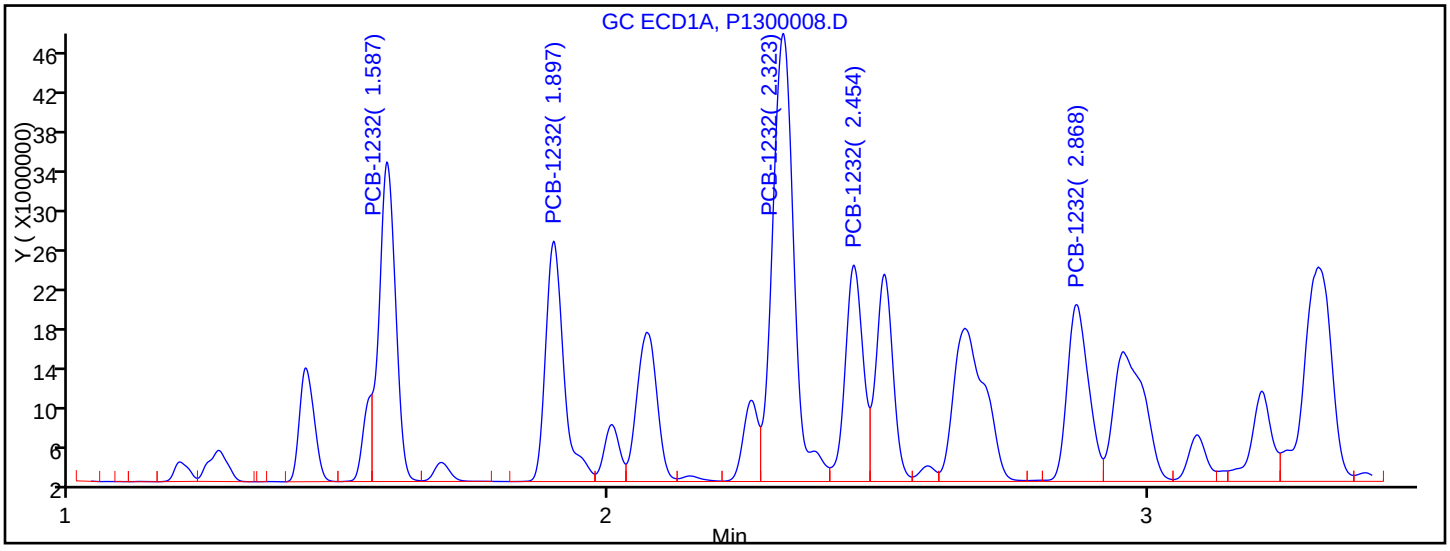
Injection Date:	21-Oct-2012 18:07:54	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	8
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

4 PCB-1232, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.587	Response = 78277832	M
RT = 1.897	Response = 57635483	
RT = 2.323	Response = 125869515	
RT = 2.454	Response = 50627104	
RT = 2.868	Response = 49612956	



Manual Integration Results

RT = 1.587	Response = 68621944	M
RT = 1.897	Response = 57635483	
RT = 2.323	Response = 125869515	
RT = 2.454	Response = 50627104	
RT = 2.868	Response = 49612956	

Reviewer: hassl, 22-Oct-2012 09:02:08

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 16:53 Calibration End Date: 10/21/2012 18:07 Calibration ID: 12013

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/3	P1300003.D
Level 2	STD01 240-62068/4	P1300004.D
Level 3	STD02 240-62068/5	P1300005.D
Level 4	STD05 240-62068/6	P1300006.D
Level 5	STD1 240-62068/7	P1300007.D
Level 6	STD2 240-62068/8	P1300008.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1232 Peak 1	2.148	2.148	2.147	2.147	2.147	2.148					2.098 - 2.198	2.148
PCB-1232 Peak 2	2.573	2.572	2.571	2.571	2.571	2.572					2.523 - 2.623	2.572
PCB-1232 Peak 3	3.054	3.053	3.054	3.053	3.052	3.053					3.004 - 3.104	3.053
PCB-1232 Peak 4	3.201	3.202	3.201	3.200	3.201	3.201					3.151 - 3.251	3.201
PCB-1232 Peak 5	3.854	3.855	3.853	3.853	3.853	3.855					3.804 - 3.904	3.854

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 16:53 Calibration End Date: 10/21/2012 18:07 Calibration ID: 12013

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/3	P1300003.D
Level 2	STD01 240-62068/4	P1300004.D
Level 3	STD02 240-62068/5	P1300005.D
Level 4	STD05 240-62068/6	P1300006.D
Level 5	STD1 240-62068/7	P1300007.D
Level 6	STD2 240-62068/8	P1300008.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
PCB-1232 Peak 1	29470560 22094487	26355430 20370096	24323160	23191154	Ave		24300814.5				13.0		20.0			
PCB-1232 Peak 2	27856900 21640533	24644560 19971525	23787060	22900446	Ave		23466837.3				12.0		20.0			
PCB-1232 Peak 3	48492480 37930476	42715610 35730549	39445440	38843828	Ave		40526397.2				11.0		20.0			
PCB-1232 Peak 4	21408540 15896826	19267930 14845440	17141080	16514368	Ave		17512364.0				14.0		20.0			
PCB-1232 Peak 5	17932820 13872941	15303290 13057979	14637755	14312810	Ave		14852932.6				11.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 16:53 Calibration End Date: 10/21/2012 18:07 Calibration ID: 12013

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/3	P1300003.D
Level 2	STD01 240-62068/4	P1300004.D
Level 3	STD02 240-62068/5	P1300005.D
Level 4	STD05 240-62068/6	P1300006.D
Level 5	STD1 240-62068/7	P1300007.D
Level 6	STD2 240-62068/8	P1300008.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1232 Peak 1	Ave	1473528 40740192	2635543	4864632	11595577	22094487	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 2	Ave	1392845 39943050	2464456	4757412	11450223	21640533	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 3	Ave	2424624 71461098	4271561	7889088	19421914	37930476	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 4	Ave	1070427 29690880	1926793	3428216	8257184	15896826	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 5	Ave	896641 26115959	1530329	2927551	7156405	13872941	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300003.D
Lims ID: STD005 1232 Client ID:
Inject. Date: 21-Oct-2012 16:53:20 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0014228-003
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 3
Lims Batch ID: 62068 Lims Sample ID: 3
Sublist: chrom-PCB13*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:48 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:01:42

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									M
1	100	1.588	1.588	0.000	2588233	0.0601		100.0	M
1	2	1.898	1.898	0.000	2132322	0.0599	57.1- 107.1	82.4	
1	3	2.323	2.323	0.000	3767503	0.0528	143.5- 193.5	145.6	
1	4	2.455	2.455	0.000	1359921	0.0498	40.1- 90.1	52.5	
1	5	2.867	2.867	0.000	1714173	0.0587	41.3- 91.3	66.2	
			Average of Peak Amounts =			0.0563			
2	6	2.148	2.148	0.000	1473528	0.0606		100.0	
2	7	2.573	2.573	0.000	1392845	0.0594	67.8- 127.8	94.5	
2	8	3.054	3.054	0.000	2424624	0.0598	132.2- 192.2	164.5	
2	9	3.201	3.201	0.000	1070427	0.0611	40.5- 100.5	72.6	
2	10	3.854	3.854	0.000	896641	0.0604	30.2- 90.2	60.8	
			Average of Peak Amounts =			0.0603			
						RPD = 6.86			

QC Flag Legend

Review Flags
M - Manually Integrated

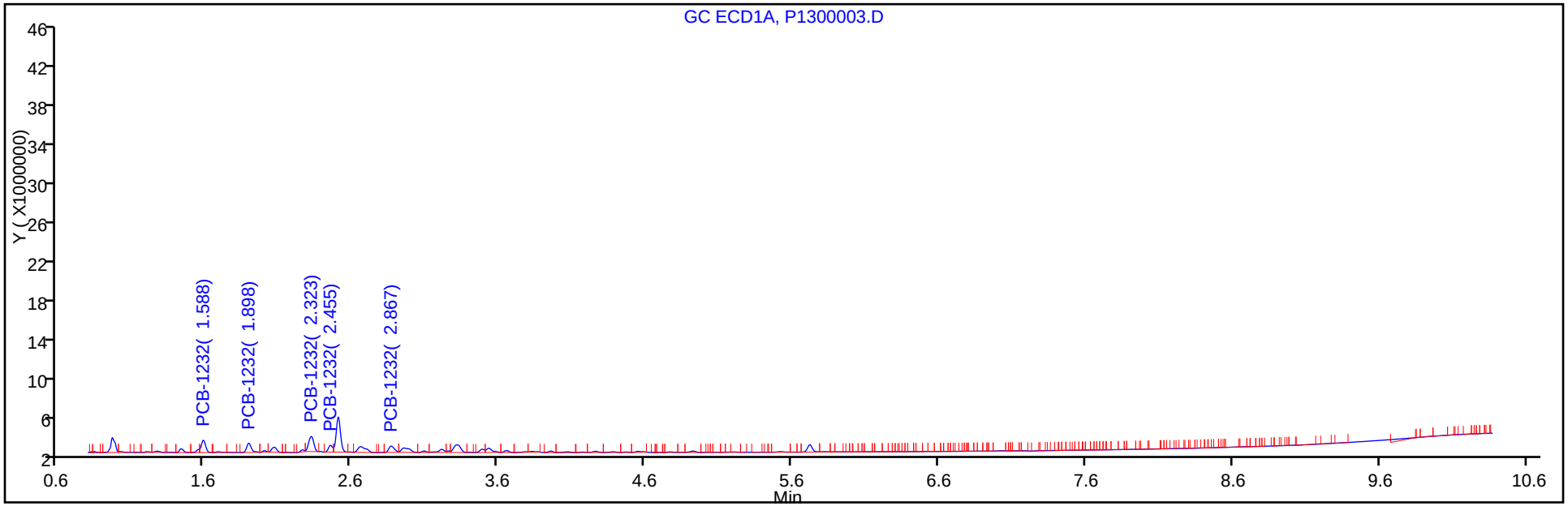
Report Date: 22-Oct-2012 09:18:49 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

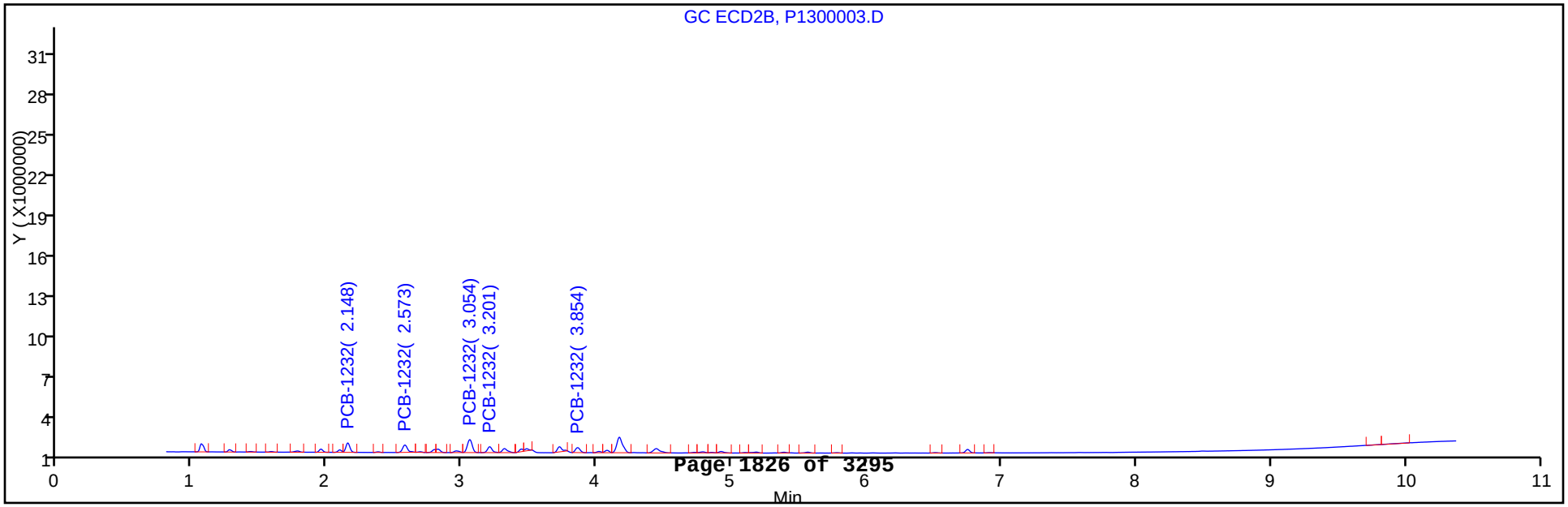
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300003.D

Injection Date:	21-Oct-2012 16:53:20	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	3
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300004.D
Lims ID: STD01 1232 Client ID:
Inject. Date: 21-Oct-2012 17:08:13 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0014228-004
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 62068 Lims Sample ID: 4
Sublist: chrom-PCB13*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:46 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:01:32

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									M
1	100	1.587	1.588	-0.001	4909091	0.1140		100.0	M
1	2	1.897	1.898	-0.001	3998732	0.1123	57.1- 107.1	81.5	
1	3	2.322	2.323	-0.001	8137134	0.1141	143.5- 193.5	165.8	
1	4	2.455	2.455	0.000	2731240	0.1001	40.1- 90.1	55.6	
1	5	2.868	2.867	0.001	3254738	0.1114	41.3- 91.3	66.3	
			Average of Peak Amounts =			0.1104			
2	6	2.148	2.148	0.000	2635543	0.1085		100.0	
2	7	2.572	2.573	-0.001	2464456	0.1050	67.8- 127.8	93.5	
2	8	3.053	3.054	-0.001	4271561	0.1054	132.2- 192.2	162.1	
2	9	3.202	3.201	0.001	1926793	0.1100	40.5- 100.5	73.1	
2	10	3.855	3.854	0.001	1530329	0.1030	30.2- 90.2	58.1	
			Average of Peak Amounts =			0.1064			
						RPD = 3.68			

QC Flag Legend

Review Flags
M - Manually Integrated

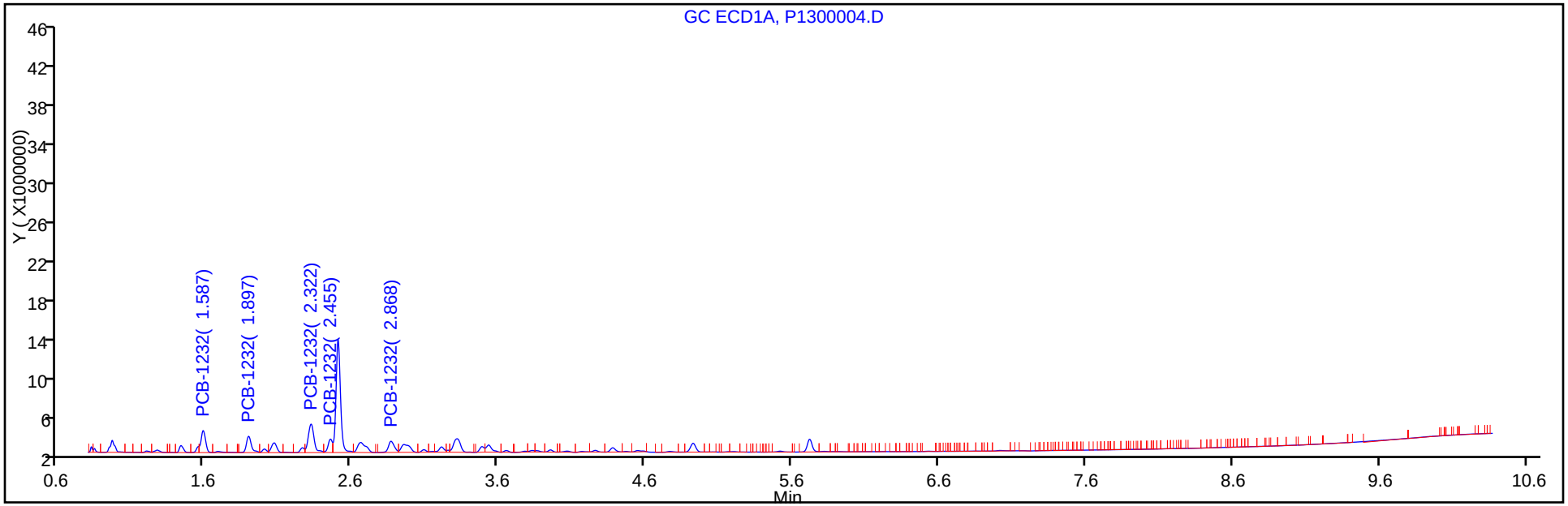
Report Date: 22-Oct-2012 09:18:47 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

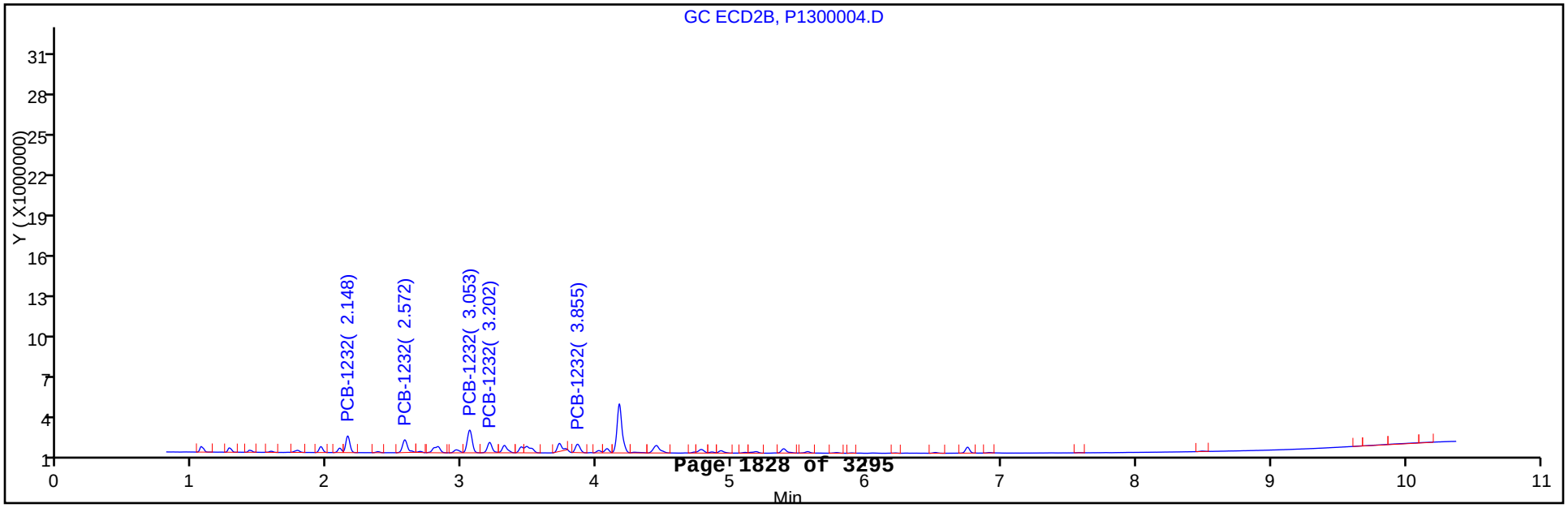
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300004.D

Injection Date:	21-Oct-2012 17:08:13	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	4
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300005.D
Lims ID: STD02 1232 Client ID:
Inject. Date: 21-Oct-2012 17:23:11 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0014228-005
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 62068 Lims Sample ID: 5
Sublist: chrom-PCB13*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:44 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:01:18

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									M
1	100	1.586	1.588	-0.002	8835296	0.2052		100.0	M
1	2	1.896	1.898	-0.002	7256770	0.2037	57.1- 107.1	82.1	
1	3	2.321	2.323	-0.002	14888462	0.2088	143.5- 193.5	168.5	
1	4	2.454	2.455	-0.001	5750046	0.2108	40.1- 90.1	65.1	
1	5	2.866	2.867	-0.001	5858898	0.2005	41.3- 91.3	66.3	
			Average of Peak Amounts =			0.2058			
2	6	2.147	2.148	-0.001	4864632	0.2002		100.0	
2	7	2.571	2.573	-0.002	4757412	0.2027	67.8- 127.8	97.8	
2	8	3.054	3.054	0.000	7889088	0.1947	132.2- 192.2	162.2	
2	9	3.201	3.201	0.000	3428216	0.1958	40.5- 100.5	70.5	
2	10	3.853	3.854	-0.001	2927551	0.1971	30.2- 90.2	60.2	
			Average of Peak Amounts =			0.1981			
						RPD = 3.82			

QC Flag Legend

Review Flags
M - Manually Integrated

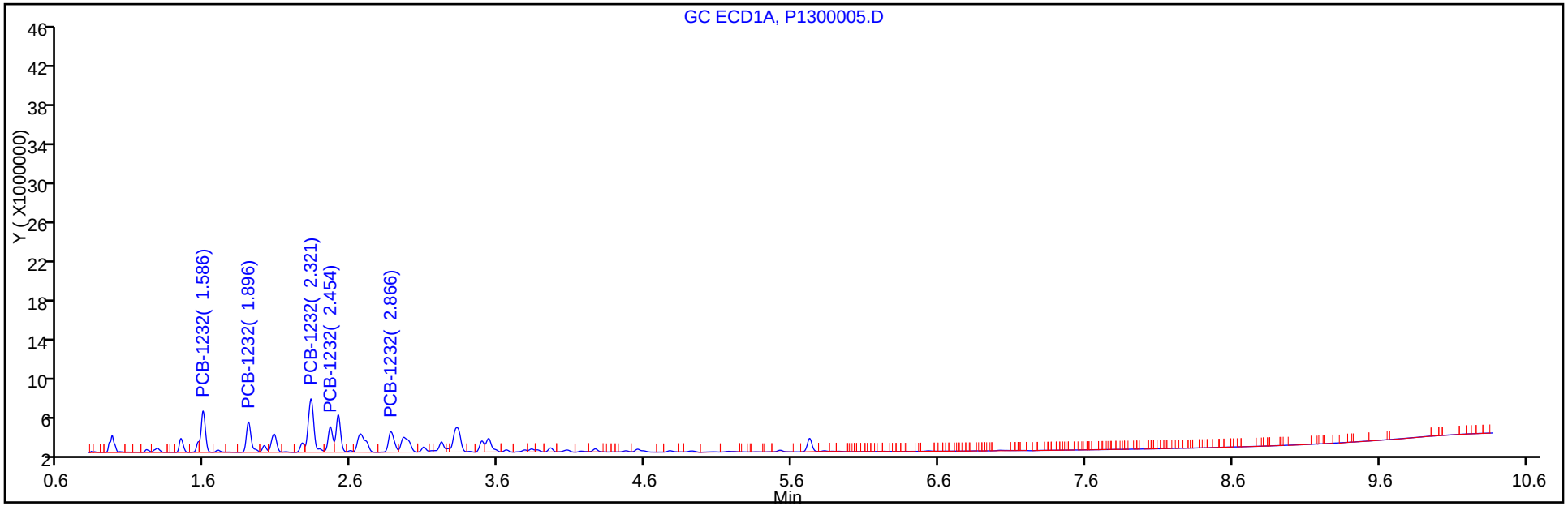
Report Date: 22-Oct-2012 09:18:45 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

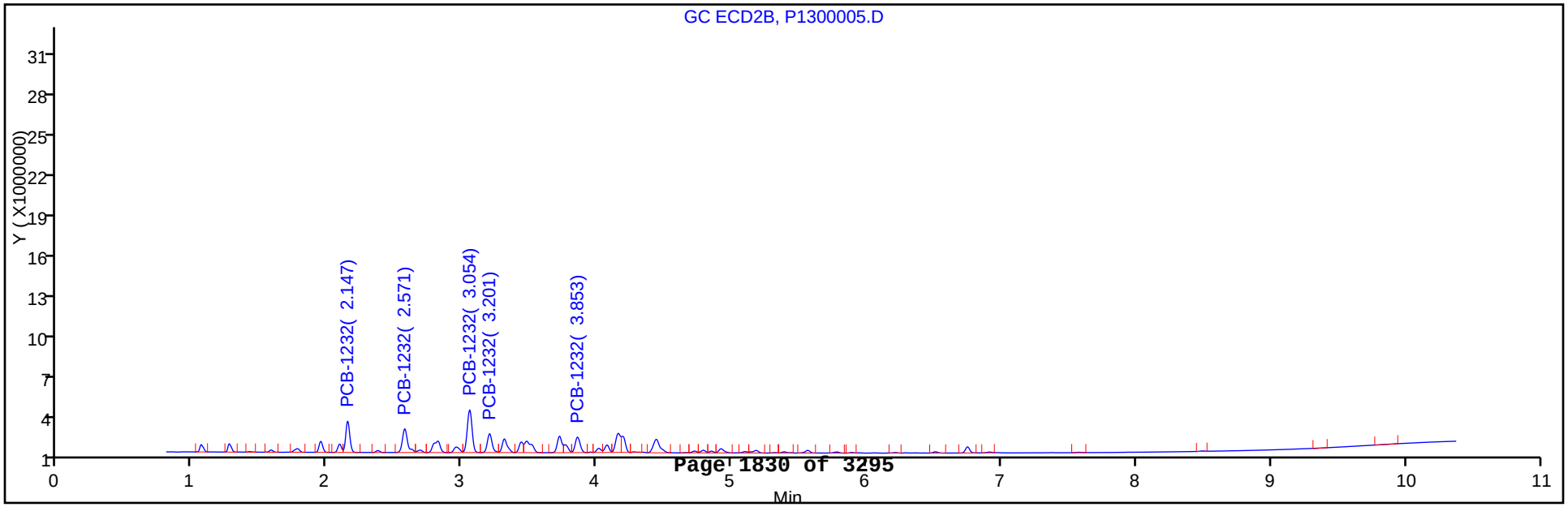
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300005.D

Injection Date:	21-Oct-2012 17:23:11	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	5
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300006.D
Lims ID: STD05 1232 Client ID:
Inject. Date: 21-Oct-2012 17:38:05 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0014228-006
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 6
Lims Batch ID: 62068 Lims Sample ID: 6
Sublist: chrom-PCB13*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:43 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:01:07

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									M
1	100	1.586	1.588	-0.002	20852934	0.4844		100.0	M
1	2	1.895	1.898	-0.003	17071065	0.4792	57.1- 107.1	81.9	
1	3	2.323	2.323	0.000	34420642	0.4826	143.5- 193.5	165.1	
1	4	2.453	2.455	-0.002	14107391	0.5171	40.1- 90.1	67.7	
1	5	2.867	2.867	0.000	14144953	0.4841	41.3- 91.3	67.8	
			Average of Peak Amounts =			0.4895			
2	6	2.147	2.148	-0.001	11595577	0.4772		100.0	
2	7	2.571	2.573	-0.002	11450223	0.4879	67.8- 127.8	98.7	
2	8	3.053	3.054	-0.001	19421914	0.4792	132.2- 192.2	167.5	
2	9	3.200	3.201	-0.001	8257184	0.4715	40.5- 100.5	71.2	
2	10	3.853	3.854	-0.001	7156405	0.4818	30.2- 90.2	61.7	
			Average of Peak Amounts =			0.4795			
						RPD = 2.06			

QC Flag Legend

Review Flags
M - Manually Integrated

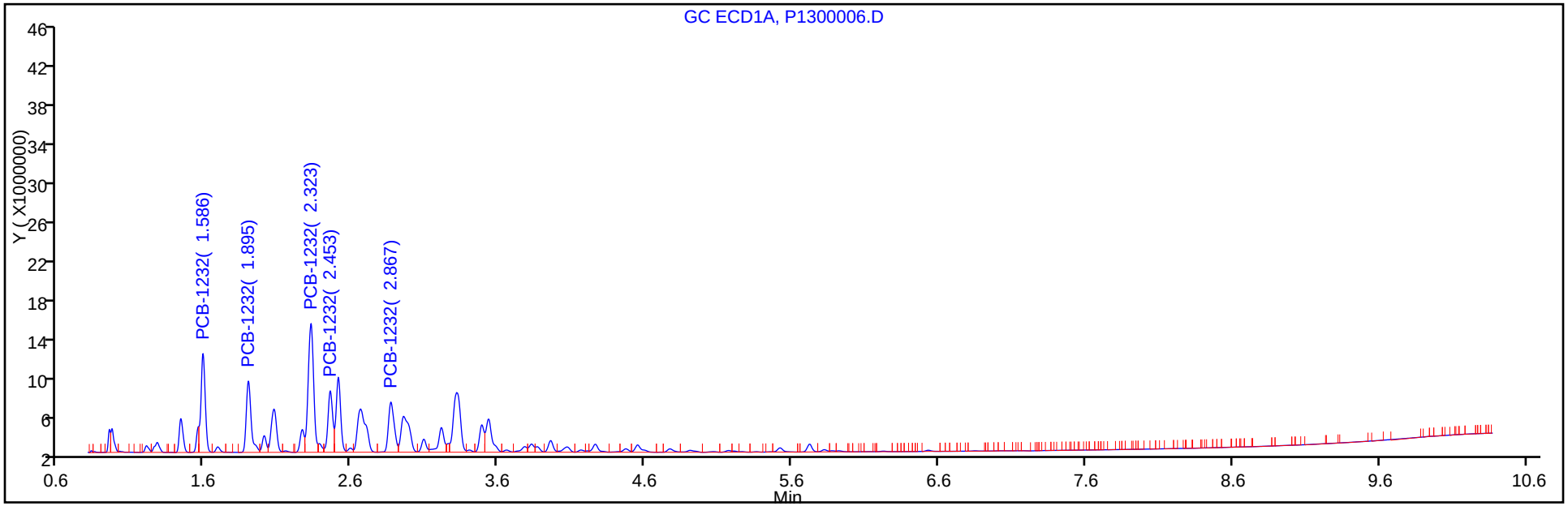
Report Date: 22-Oct-2012 09:18:44 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

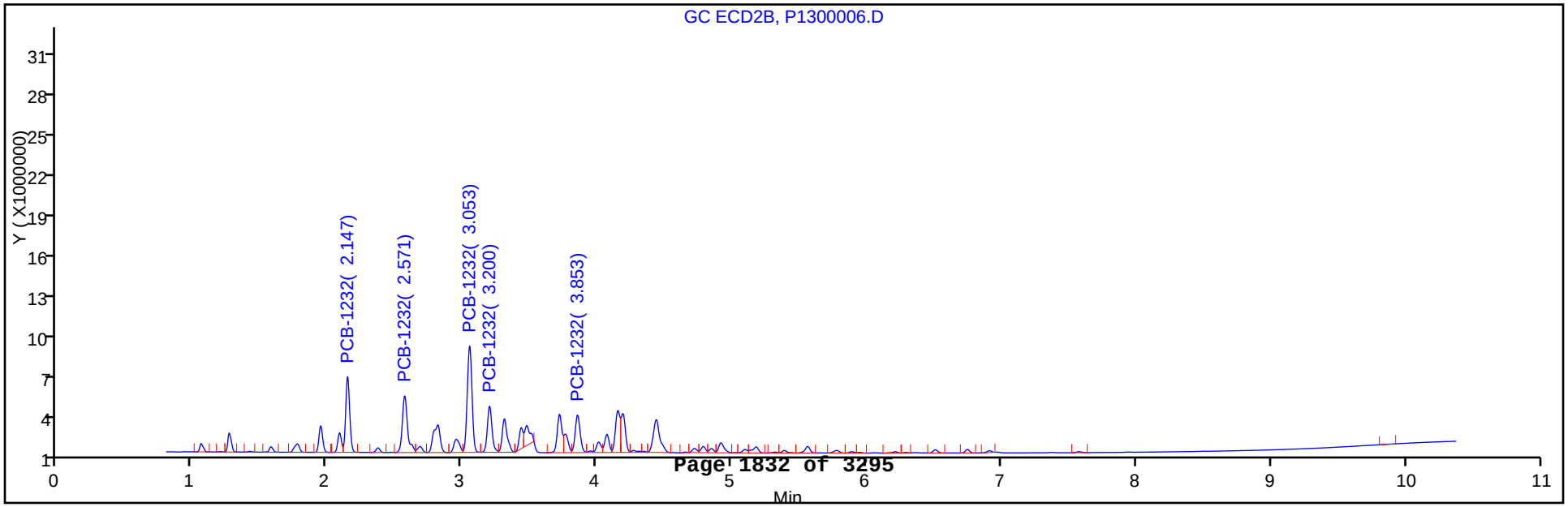
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300006.D

Injection Date:	21-Oct-2012 17:38:05	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	6
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300007.D
Lims ID: STD1 1232 Client ID:
Inject. Date: 21-Oct-2012 17:53:00 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0014228-007
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 7
Lims Batch ID: 62068 Lims Sample ID: 7
Sublist: chrom-PCB13*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:41 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100	1.586	1.588	-0.002	37237214	0.8650		100.0	
1	2	1.895	1.898	-0.003	31853144	0.8942	57.1- 107.1	85.5	
1	3	2.322	2.323	-0.001	64967291	0.9110	143.5- 193.5	174.5	
1	4	2.453	2.455	-0.002	26893700	0.9858	40.1- 90.1	72.2	
1	5	2.866	2.867	-0.001	26108691	0.8935	41.3- 91.3	70.1	
			Average of Peak Amounts =			0.9099			
2	6	2.147	2.148	-0.001	22094487	0.9092		100.0	
2	7	2.571	2.573	-0.002	21640533	0.9222	67.8- 127.8	97.9	
2	8	3.052	3.054	-0.002	37930476	0.9359	132.2- 192.2	171.7	
2	9	3.201	3.201	0.000	15896826	0.9077	40.5- 100.5	71.9	
2	10	3.853	3.854	-0.001	13872941	0.9340	30.2- 90.2	62.8	
			Average of Peak Amounts =			0.9218			
						RPD = 1.30			

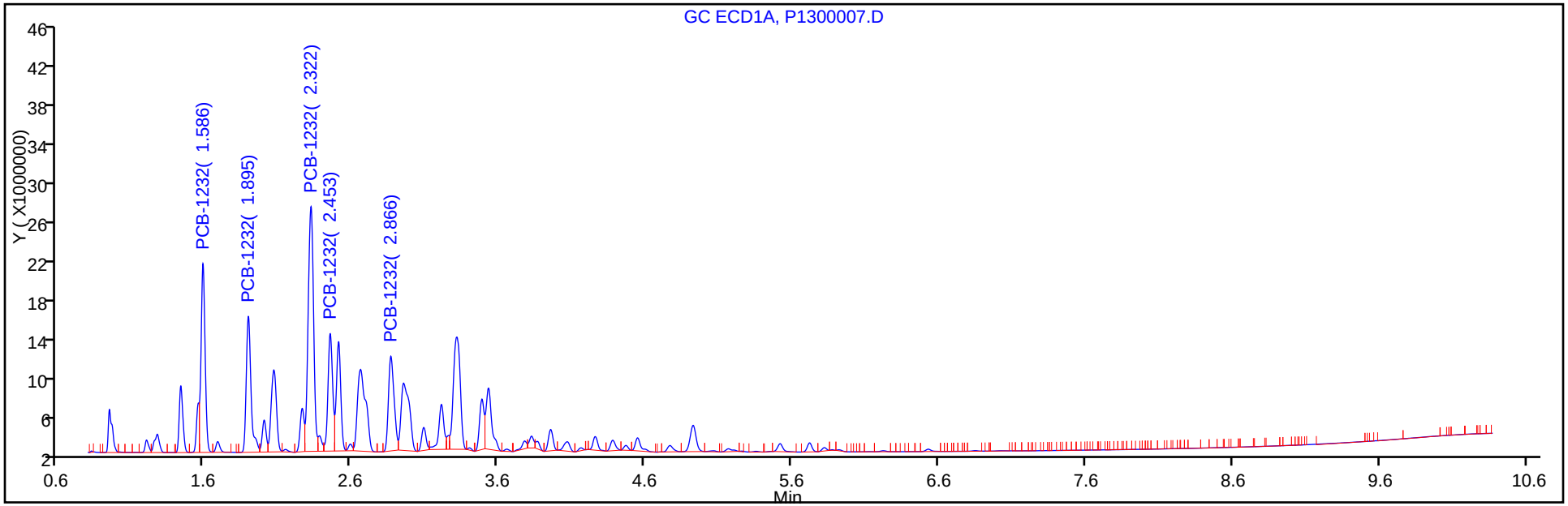
Report Date: 22-Oct-2012 09:18:42 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

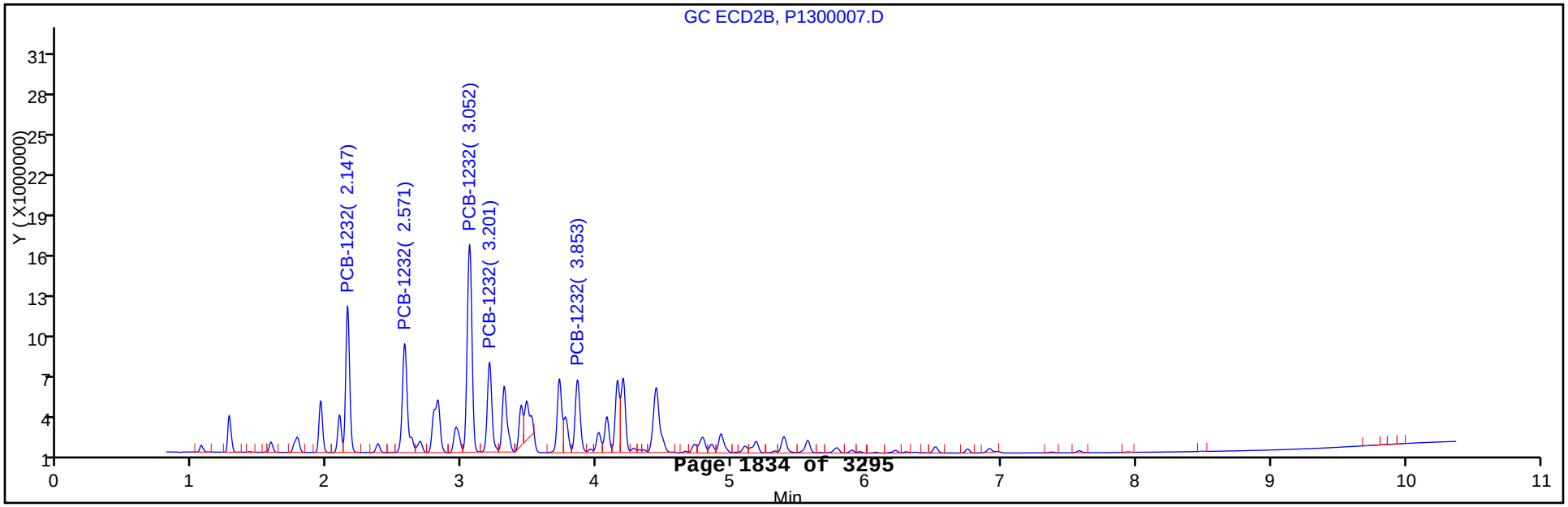
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300007.D

Injection Date:	21-Oct-2012 17:53:00	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	7
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300008.D
Lims ID: STD2 1232 Client ID:
Inject. Date: 21-Oct-2012 18:07:54 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 240-0014228-008
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 8
Lims Batch ID: 62068 Lims Sample ID: 8
Sublist: chrom-PCB13*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:40 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:02:08

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									M
1	100	1.587	1.588	-0.001	68621944	1.59		100.0	M
1	2	1.897	1.898	-0.001	57635483	1.62	57.1- 107.1	84.0	
1	3	2.323	2.323	0.000	125869515	1.76	143.5- 193.5	183.4	
1	4	2.454	2.455	-0.001	50627104	1.86	40.1- 90.1	73.8	
1	5	2.868	2.867	0.001	49612956	1.70	41.3- 91.3	72.3	
			Average of Peak Amounts =			1.71			
2	6	2.148	2.148	0.000	40740192	1.68		100.0	
2	7	2.572	2.573	-0.001	39943050	1.70	67.8- 127.8	98.0	
2	8	3.053	3.054	-0.001	71461098	1.76	132.2- 192.2	175.4	
2	9	3.201	3.201	0.000	29690880	1.70	40.5- 100.5	72.9	
2	10	3.855	3.854	0.001	26115959	1.76	30.2- 90.2	64.1	
			Average of Peak Amounts =			1.72			
						RPD = 0.76			

QC Flag Legend

Review Flags
M - Manually Integrated

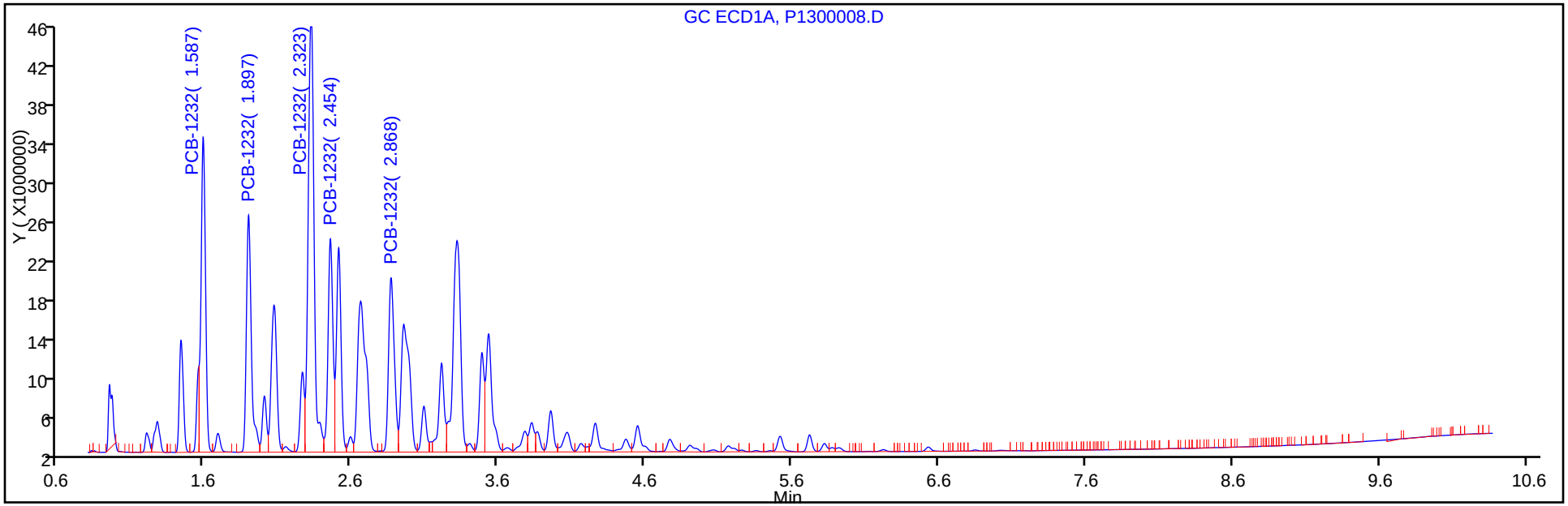
Report Date: 22-Oct-2012 09:18:41 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

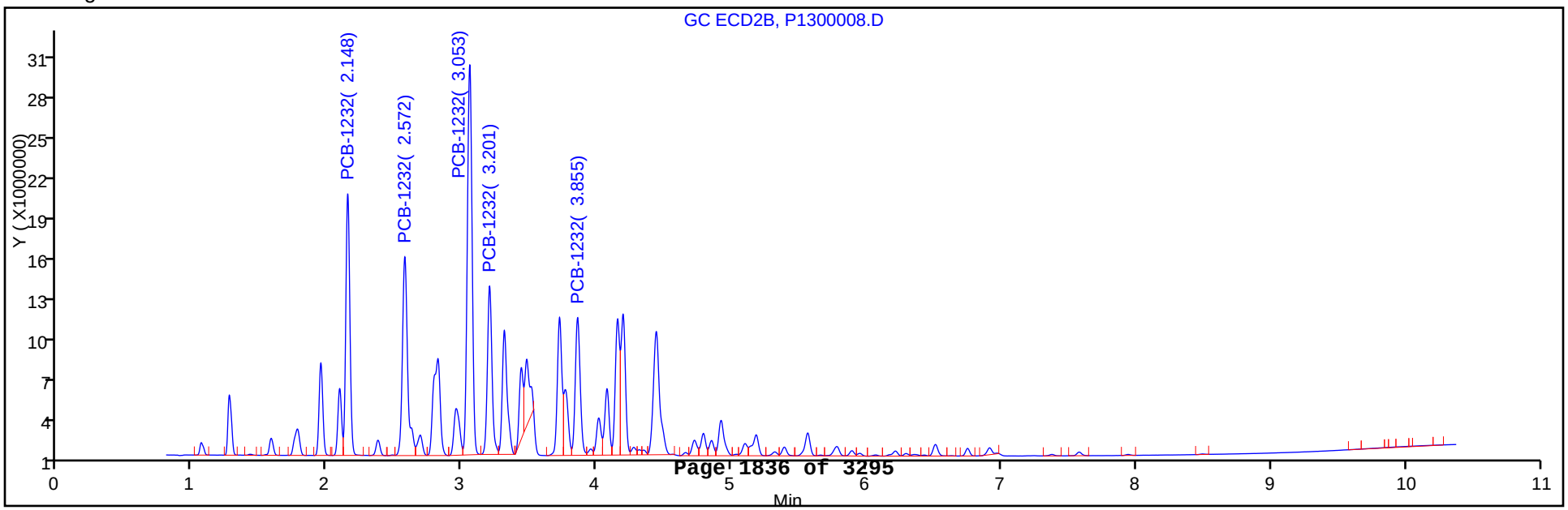
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300008.D

Injection Date:	21-Oct-2012 18:07:54	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	8
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 18:22 Calibration End Date: 10/21/2012 19:37 Calibration ID: 12018

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/9	P1300009.D
Level 2	STD01 240-62068/10	P1300010.D
Level 3	STD02 240-62068/11	P1300011.D
Level 4	STD05 240-62068/12	P1300012.D
Level 5	STD1 240-62068/13	P1300013.D
Level 6	STD2 240-62068/14	P1300014.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1242 Peak 1	1.587	1.586	1.587	1.588	1.587	1.587					1.537 - 1.637	1.587
PCB-1242 Peak 2	1.896	1.896	1.895	1.896	1.897	1.897					1.846 - 1.946	1.896
PCB-1242 Peak 3	2.323	2.323	2.322	2.323	2.322	2.324					2.273 - 2.373	2.323
PCB-1242 Peak 4	2.454	2.454	2.454	2.454	2.454	2.454					2.404 - 2.504	2.454
PCB-1242 Peak 5	2.868	2.866	2.867	2.867	2.867	2.867					2.818 - 2.918	2.867

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 18:22 Calibration End Date: 10/21/2012 19:37 Calibration ID: 12018

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/9	P1300009.D
Level 2	STD01 240-62068/10	P1300010.D
Level 3	STD02 240-62068/11	P1300011.D
Level 4	STD05 240-62068/12	P1300012.D
Level 5	STD1 240-62068/13	P1300013.D
Level 6	STD2 240-62068/14	P1300014.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
PCB-1242 Peak 1	39544240 28368197	37297150 26781727	34742405	30714234	Ave		32907992.3				15.0		20.0			
PCB-1242 Peak 2	71135520 51775659	67516010 47660591	62899050	57049878	Ave		59672784.7				15.0		20.0			
PCB-1242 Peak 3	147118040 113121650	139637050 110336211	132034270	122121718	Ave		127394823				12.0		20.0			
PCB-1242 Peak 4	56155120 48196842	56036930 45158893	54210415	51231618	Ave		51831636.3				8.6		20.0			
PCB-1242 Peak 5	66671900 49628893	61877130 46938211	58147035	53701158	Ave		56160721.1				13.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 18:22 Calibration End Date: 10/21/2012 19:37 Calibration ID: 12018

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/9	P1300009.D
Level 2	STD01 240-62068/10	P1300010.D
Level 3	STD02 240-62068/11	P1300011.D
Level 4	STD05 240-62068/12	P1300012.D
Level 5	STD1 240-62068/13	P1300013.D
Level 6	STD2 240-62068/14	P1300014.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1242 Peak 1	Ave	1977212 53563455	3729715	6948481	15357117	28368197	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 2	Ave	3556776 95321182	6751601	12579810	28524939	51775659	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 3	Ave	7355902 220672422	13963705	26406854	61060859	113121650	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 4	Ave	2807756 90317785	5603693	10842083	25615809	48196842	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 5	Ave	3333595 93876421	6187713	11629407	26850579	49628893	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:

Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300009.D
Lims ID: STD005 1242 Client ID:
Inject. Date: 21-Oct-2012 18:22:50 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0014228-009
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 9
Lims Batch ID: 62068 Lims Sample ID: 9
Sublist: chrom-PCB13*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:39 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100	1.587	1.587	0.000	1977212	0.0601		100.0	
1	2	1.896	1.896	0.000	3556776	0.0596	156.0- 206.0	179.9	
1	3	2.323	2.323	0.000	7355902	0.0577	355.0- 405.0	372.0	
1	4	2.454	2.454	0.000	2807756	0.0542	131.0- 181.0	142.0	
1	5	2.868	2.868	0.000	3333595	0.0594	142.4- 192.4	168.6	
			Average of Peak Amounts =			0.0582			
2	6	2.148	2.148	0.000	1109040	0.0595		100.0	
2	7	2.573	2.573	0.000	2180104	0.0572	176.6- 236.6	196.6	
2	8	3.053	3.053	0.000	4056048	0.0558	356.3- 416.3	365.7	
2	9	3.202	3.202	0.000	1821129	0.0584	135.8- 195.8	164.2	
2	10	3.719	3.719	0.000	1589716	0.0568	121.8- 181.8	143.3	
			Average of Peak Amounts =			0.0575			
						RPD = 1.13			

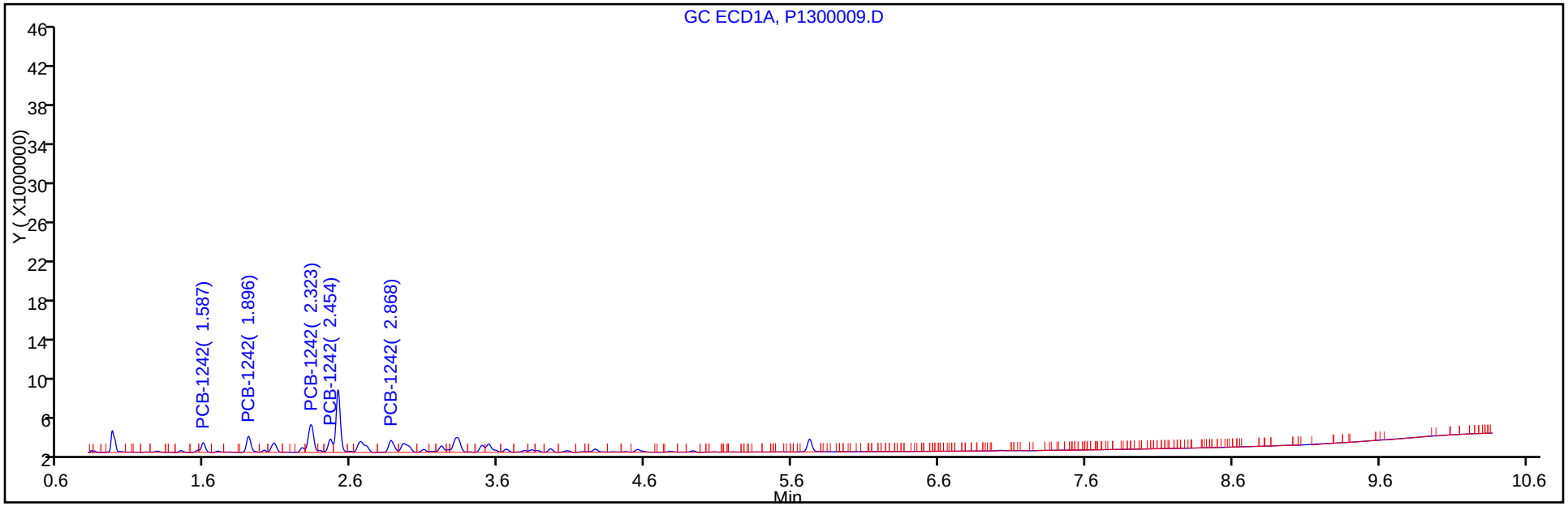
Report Date: 22-Oct-2012 09:18:39 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

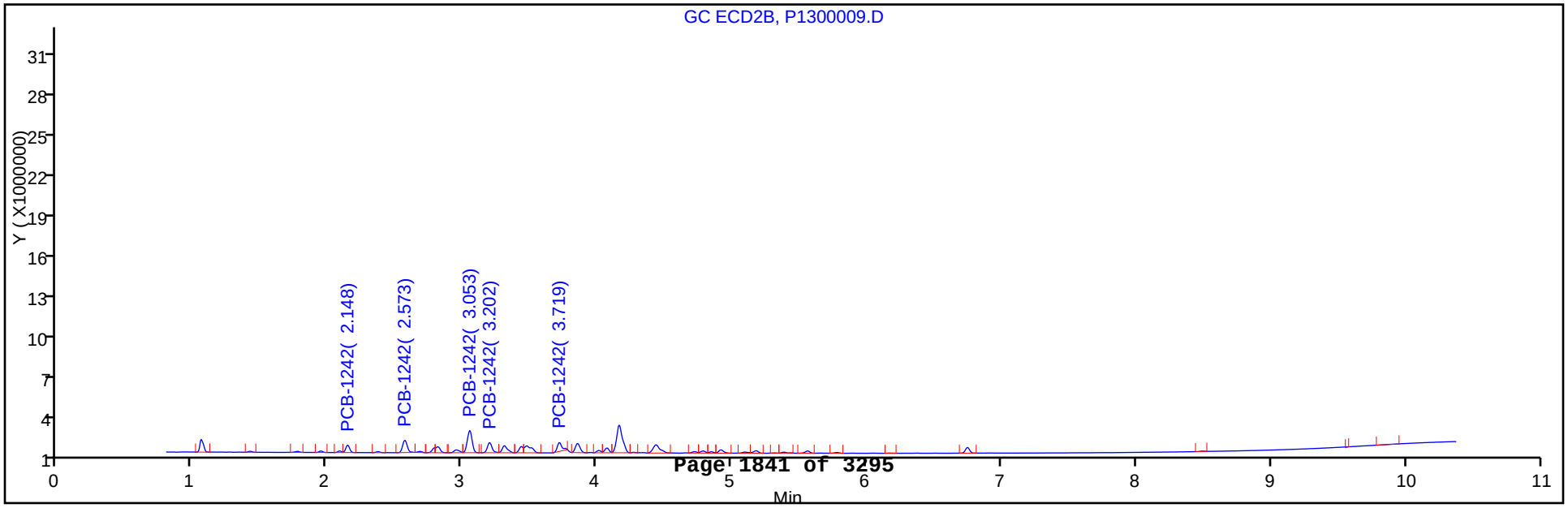
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300009.D

Injection Date:	21-Oct-2012 18:22:50	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	9
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300010.D		
Lims ID:	STD01 1242	Client ID:	
Inject. Date:	21-Oct-2012 18:37:51	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	240-0014228-010		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 ul	ALS Bottle#:	10
Lims Batch ID:	62068	Lims Sample ID:	10
Sublist:	chrom-PCB13*sub5		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m		
Last Update:	22-Oct-2012 09:18:37	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK013		

First Level Reviewer: hassl Date: 22-Oct-2012 09:02:35

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									M
1	100	1.586	1.587	-0.001	3729715	0.1133		100.0	M
1	2	1.896	1.896	0.000	6751601	0.1131	156.0- 206.0	181.0	
1	3	2.323	2.323	0.000	13963705	0.1096	355.0- 405.0	374.4	
1	4	2.454	2.454	0.000	5603693	0.1081	131.0- 181.0	150.2	
1	5	2.866	2.868	-0.002	6187713	0.1102	142.4- 192.4	165.9	
			Average of Peak Amounts =			0.1109			
2	6	2.147	2.148	-0.001	2089788	0.1120		100.0	
2	7	2.572	2.573	-0.001	4205409	0.1104	176.6- 236.6	201.2	
2	8	3.054	3.053	0.001	7723719	0.1063	356.3- 416.3	369.6	
2	9	3.201	3.202	-0.001	3379048	0.1084	135.8- 195.8	161.7	
2	10	3.720	3.719	0.001	3248342	0.1160	121.8- 181.8	155.4	
			Average of Peak Amounts =			0.1106			
						RPD = 0.23			

QC Flag Legend

Review Flags
M - Manually Integrated

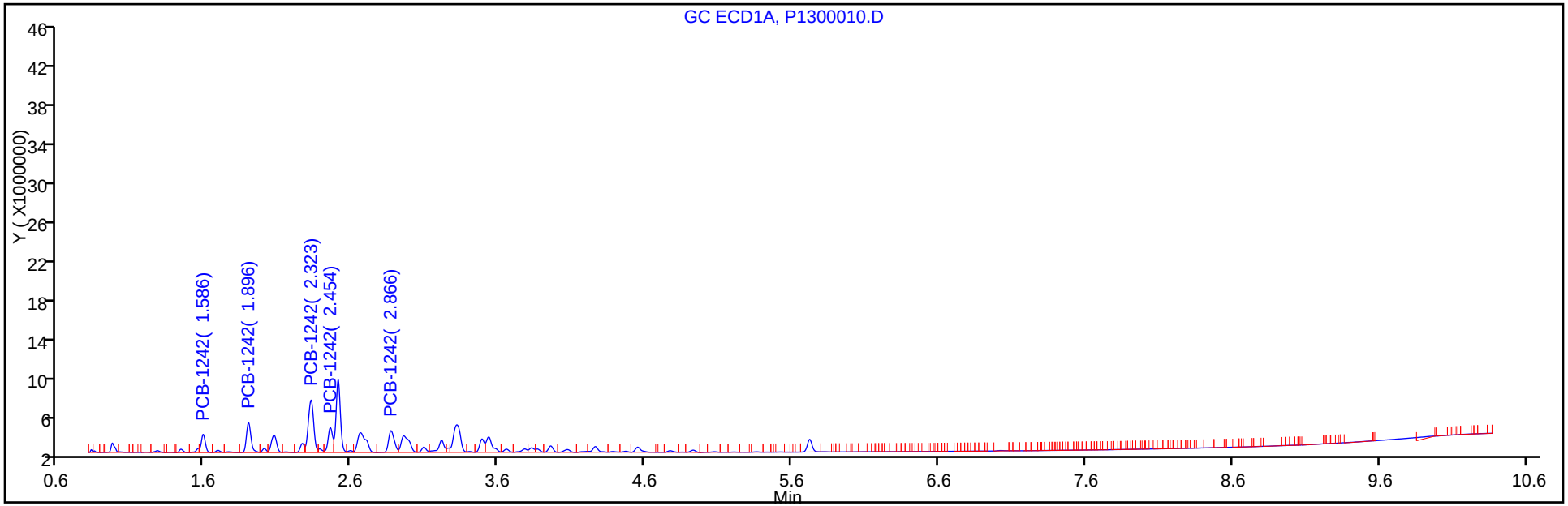
Report Date: 22-Oct-2012 09:18:38 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

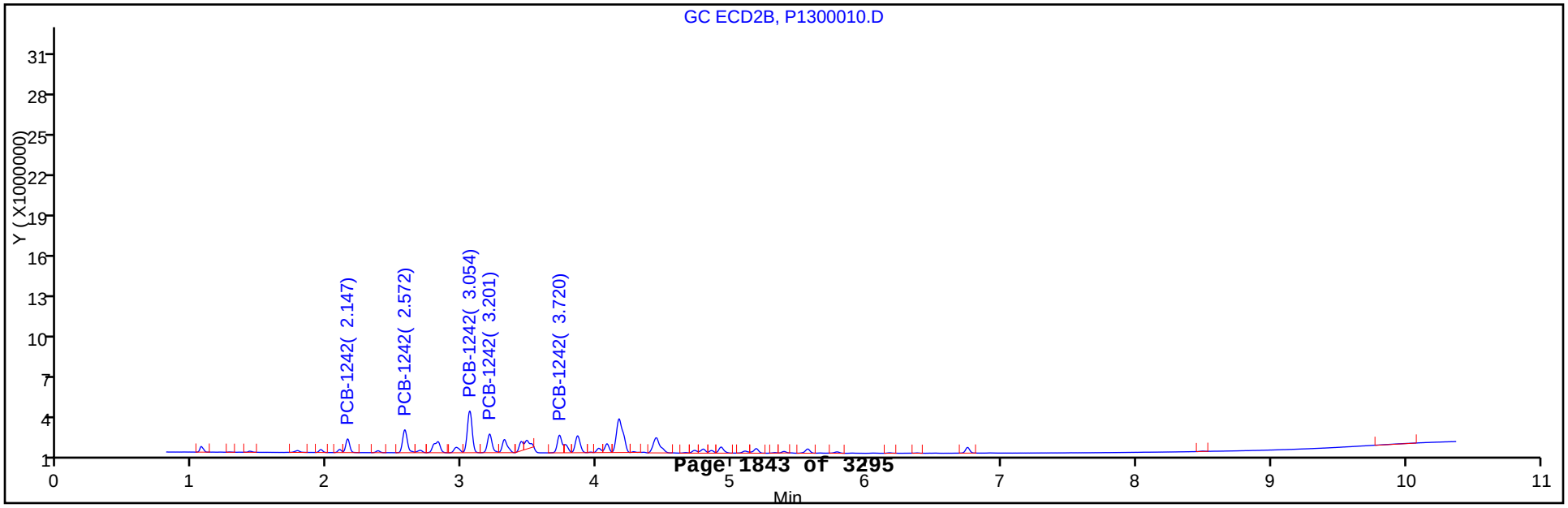
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300010.D

Injection Date:	21-Oct-2012 18:37:51	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	10
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



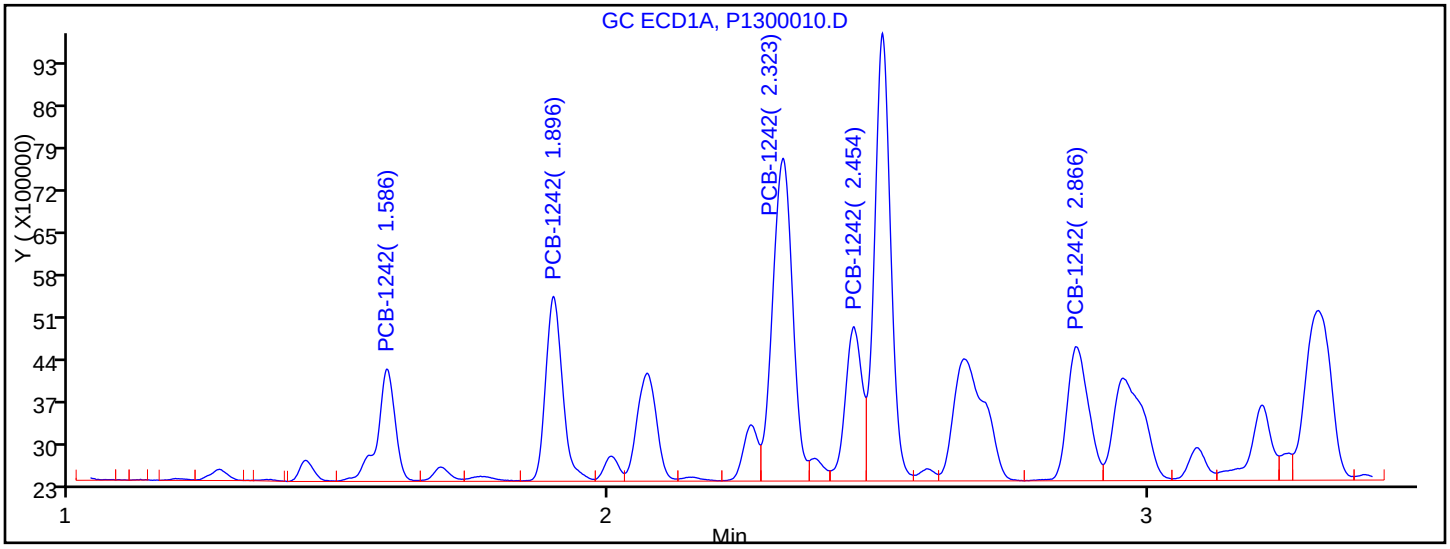
Report Date: 22-Oct-2012 09:18:38 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300010.D

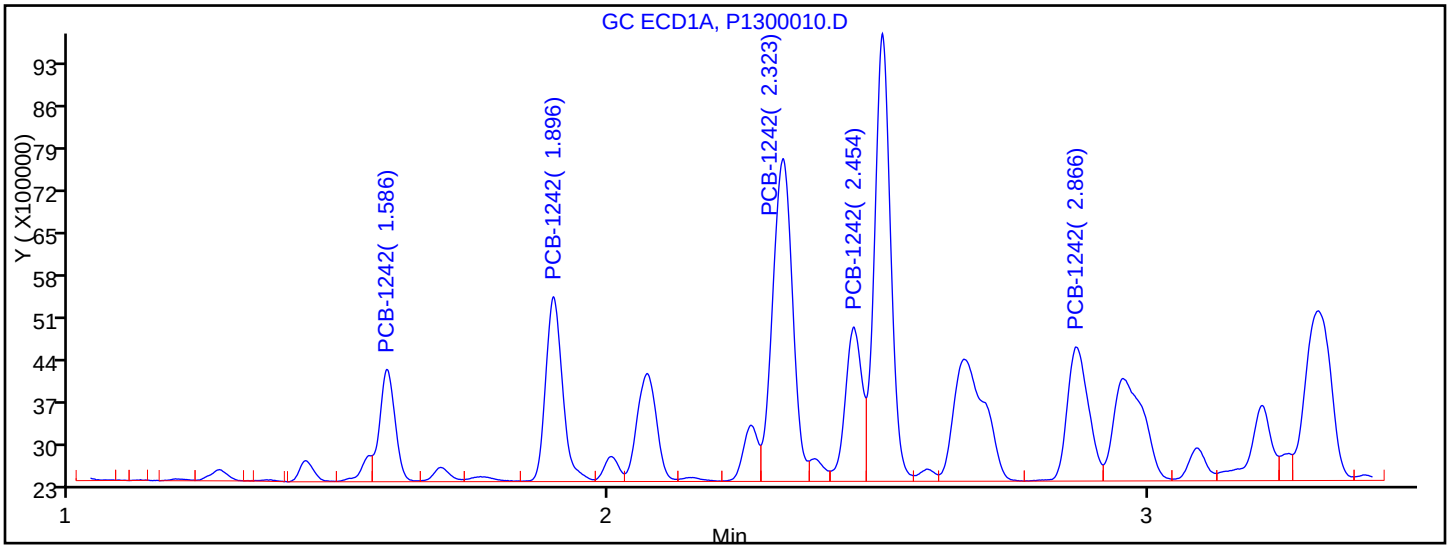
Injection Date:	21-Oct-2012 18:37:51	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	10
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

5 PCB-1242, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.586	Response = 4354961	M
RT = 1.896	Response = 6751601	
RT = 2.323	Response = 13963705	
RT = 2.454	Response = 5603693	
RT = 2.866	Response = 6187713	



Manual Integration Results

RT = 1.586	Response = 3729715	M
RT = 1.896	Response = 6751601	
RT = 2.323	Response = 13963705	
RT = 2.454	Response = 5603693	
RT = 2.866	Response = 6187713	

Reviewer: hassl, 22-Oct-2012 09:02:35

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300011.D
Lims ID: STD02 1242 Client ID:
Inject. Date: 21-Oct-2012 18:52:48 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0014228-011
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 11
Lims Batch ID: 62068 Lims Sample ID: 11
Sublist: chrom-PCB13*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:35 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:03:38

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									M
1	100	1.587	1.587	0.000	6948481	0.2111		100.0	M
1	2	1.895	1.896	-0.001	12579810	0.2108	156.0- 206.0	181.0	
1	3	2.322	2.323	-0.001	26406854	0.2073	355.0- 405.0	380.0	
1	4	2.454	2.454	0.000	10842083	0.2092	131.0- 181.0	156.0	
1	5	2.867	2.868	-0.001	11629407	0.2071	142.4- 192.4	167.4	
			Average of Peak Amounts =			0.2091			
2	6	2.147	2.148	-0.001	3866032	0.2073		100.0	
2	7	2.572	2.573	-0.001	7987487	0.2097	176.6- 236.6	206.6	
2	8	3.054	3.053	0.001	14936000	0.2055	356.3- 416.3	386.3	
2	9	3.201	3.202	-0.001	6409305	0.2056	135.8- 195.8	165.8	
2	10	3.720	3.719	0.001	5870156	0.2096	121.8- 181.8	151.8	
			Average of Peak Amounts =			0.2075			
						RPD = 0.75			

QC Flag Legend

Review Flags
M - Manually Integrated

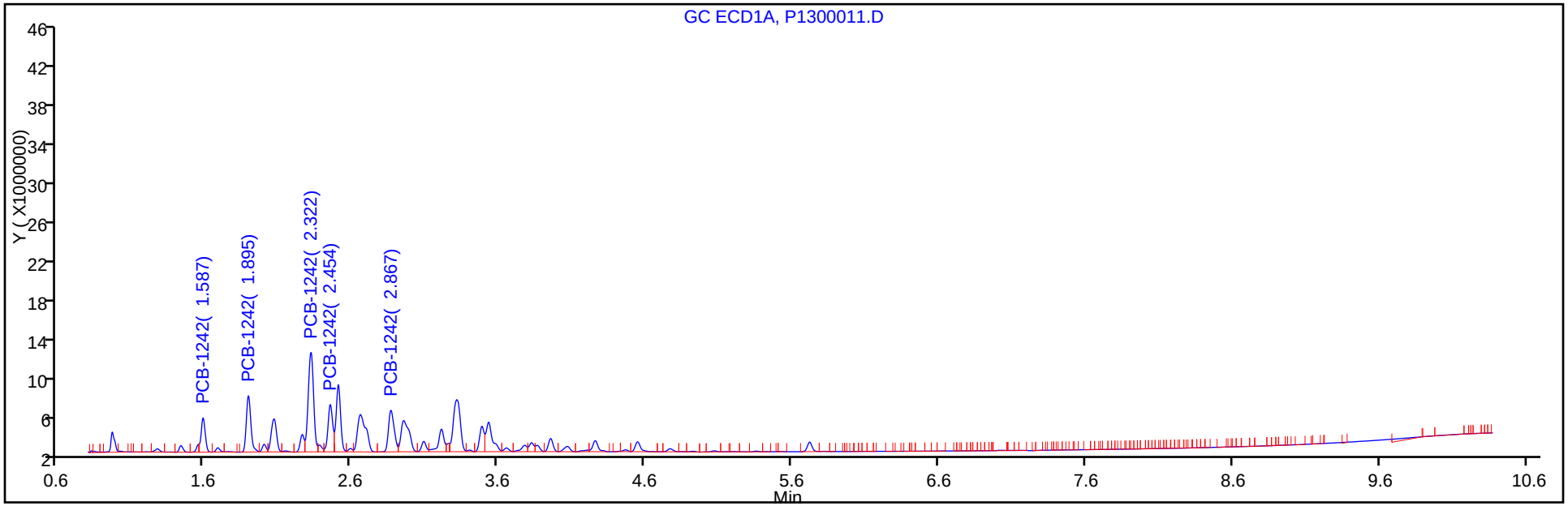
Report Date: 22-Oct-2012 09:18:36 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

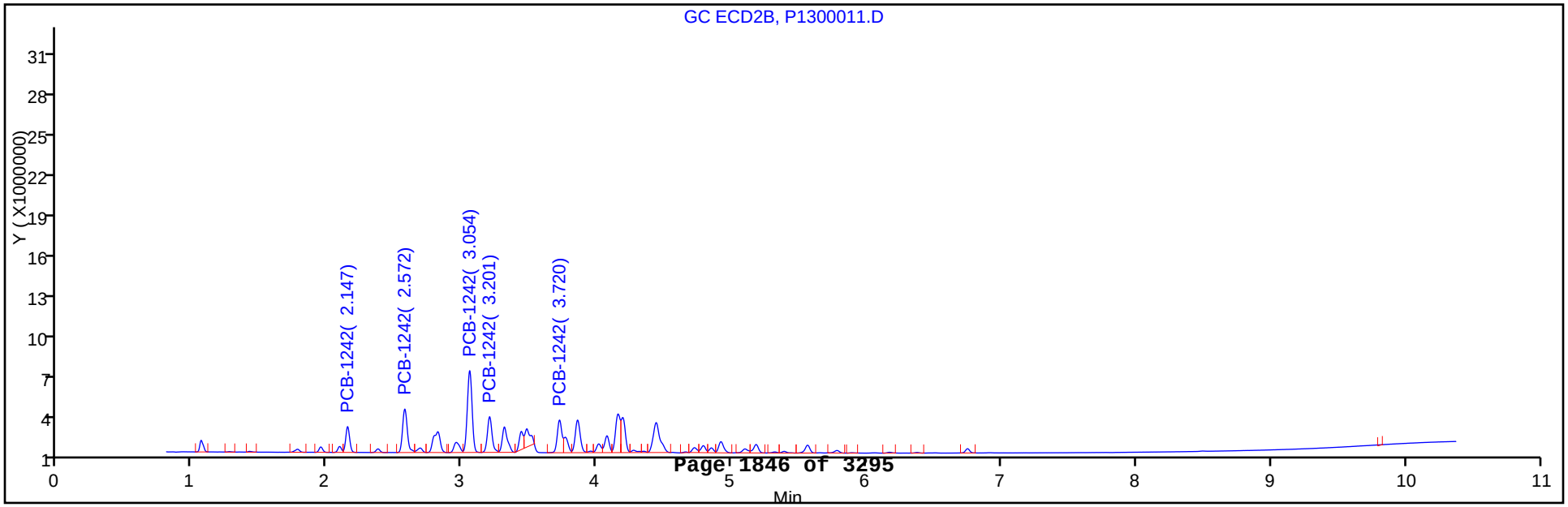
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300011.D

Injection Date:	21-Oct-2012 18:52:48	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	11
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



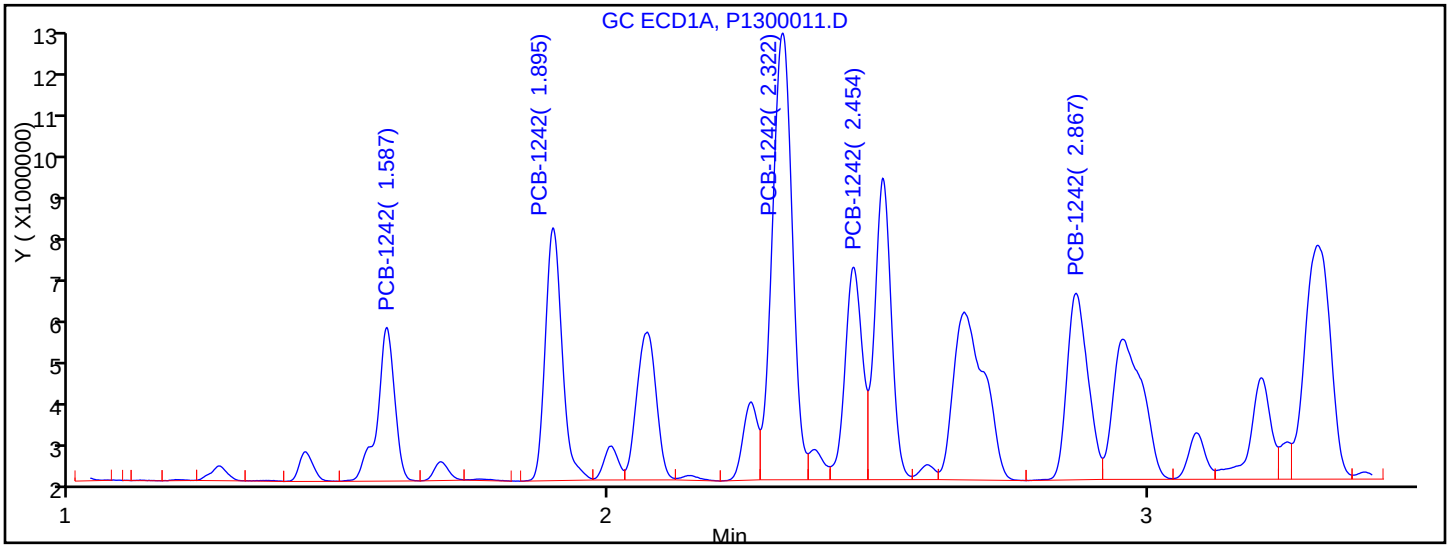
Report Date: 22-Oct-2012 09:18:36 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300011.D

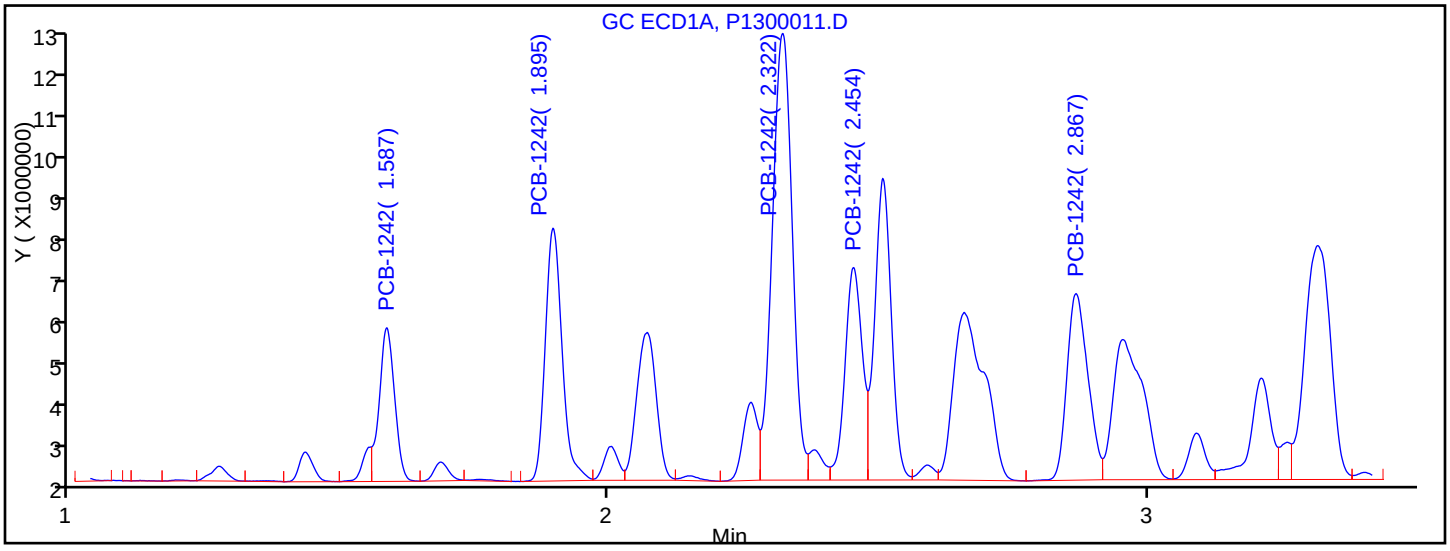
Injection Date:	21-Oct-2012 18:52:48	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	11
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

5 PCB-1242, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.587	Response = 7859675	M
RT = 1.895	Response = 12579810	
RT = 2.322	Response = 26406854	
RT = 2.454	Response = 10842083	
RT = 2.867	Response = 11629407	



Manual Integration Results

RT = 1.587	Response = 6948481	M
RT = 1.895	Response = 12579810	
RT = 2.322	Response = 26406854	
RT = 2.454	Response = 10842083	
RT = 2.867	Response = 11629407	

Reviewer: hassl, 22-Oct-2012 09:03:38

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300012.D
Lims ID: STD05 1242 Client ID:
Inject. Date: 21-Oct-2012 19:07:42 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0014228-012
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 12
Lims Batch ID: 62068 Lims Sample ID: 12
Sublist: chrom-PCB13*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:34 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:03:23

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									M
1	100	1.588	1.587	0.001	15357117	0.4667		100.0	M
1	2	1.896	1.896	0.000	28524939	0.4780	156.0- 206.0	185.7	
1	3	2.323	2.323	0.000	61060859	0.4793	355.0- 405.0	397.6	
1	4	2.454	2.454	0.000	25615809	0.4942	131.0- 181.0	166.8	
1	5	2.867	2.868	-0.001	26850579	0.4781	142.4- 192.4	174.8	
			Average of Peak Amounts =			0.4793			
2	6	2.148	2.148	0.000	8793387	0.4715		100.0	
2	7	2.572	2.573	-0.001	18266334	0.4795	176.6- 236.6	207.7	
2	8	3.054	3.053	0.001	35320645	0.4860	356.3- 416.3	401.7	
2	9	3.201	3.202	-0.001	14830061	0.4758	135.8- 195.8	168.7	
2	10	3.720	3.719	0.001	12958357	0.4627	121.8- 181.8	147.4	
			Average of Peak Amounts =			0.4751			
						RPD = 0.87			

QC Flag Legend

Review Flags
M - Manually Integrated

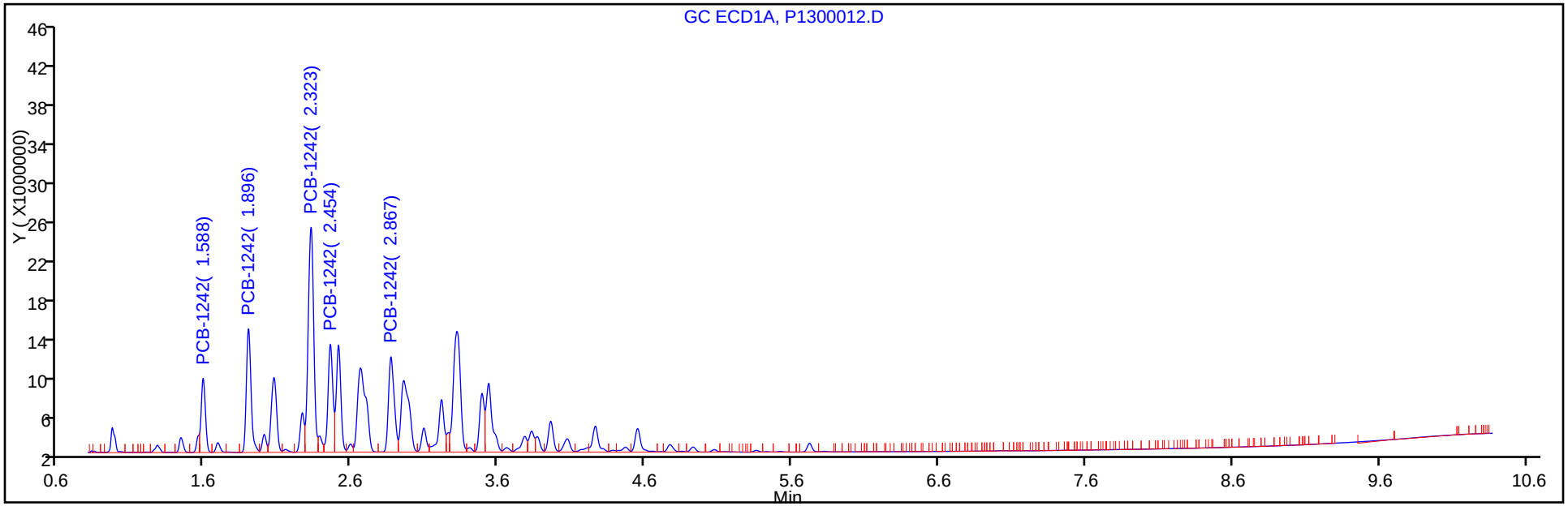
Report Date: 22-Oct-2012 09:18:35 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

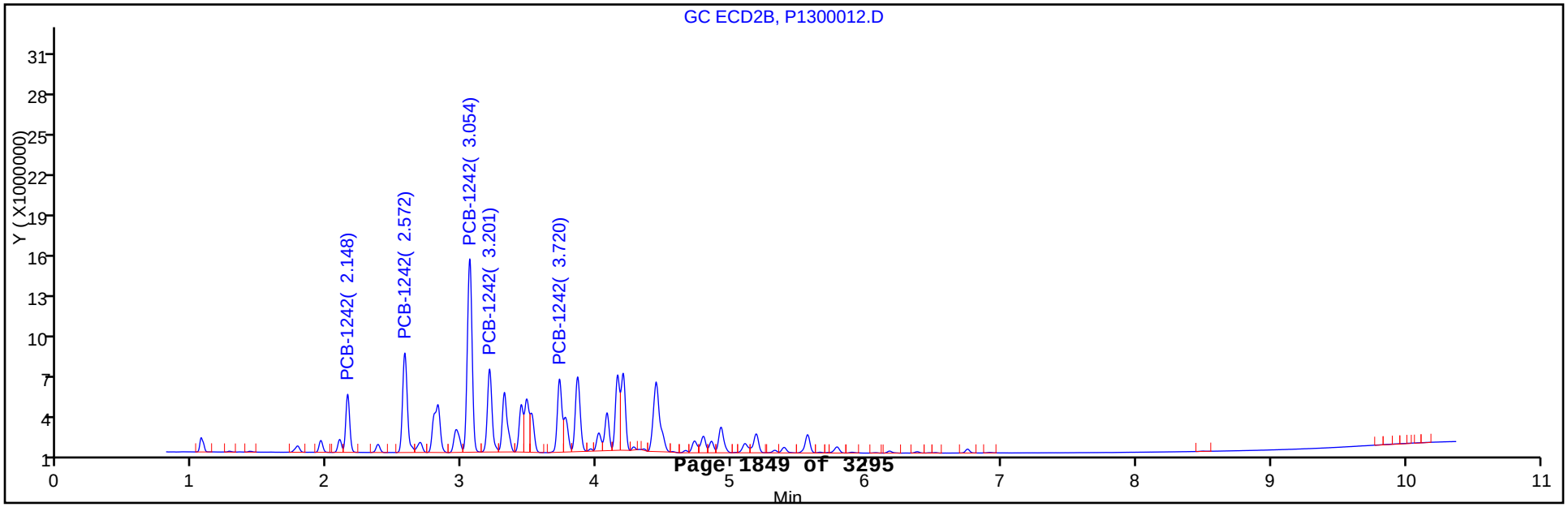
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300012.D

Injection Date:	21-Oct-2012 19:07:42	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	12
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



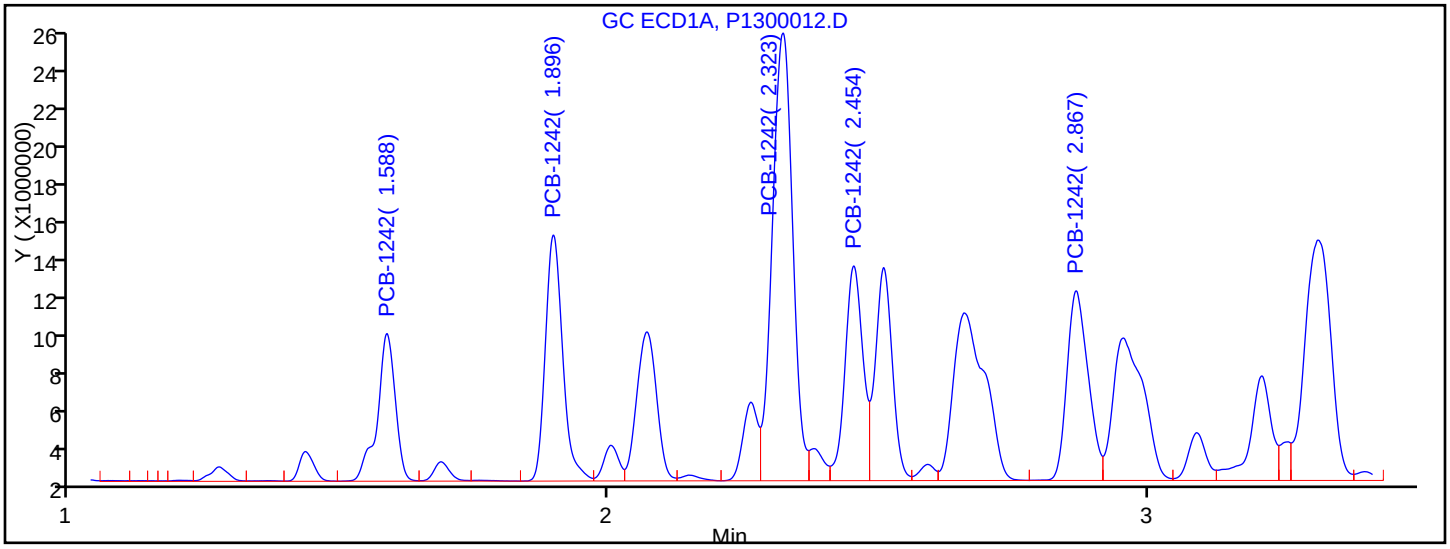
Report Date: 22-Oct-2012 09:18:35 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300012.D

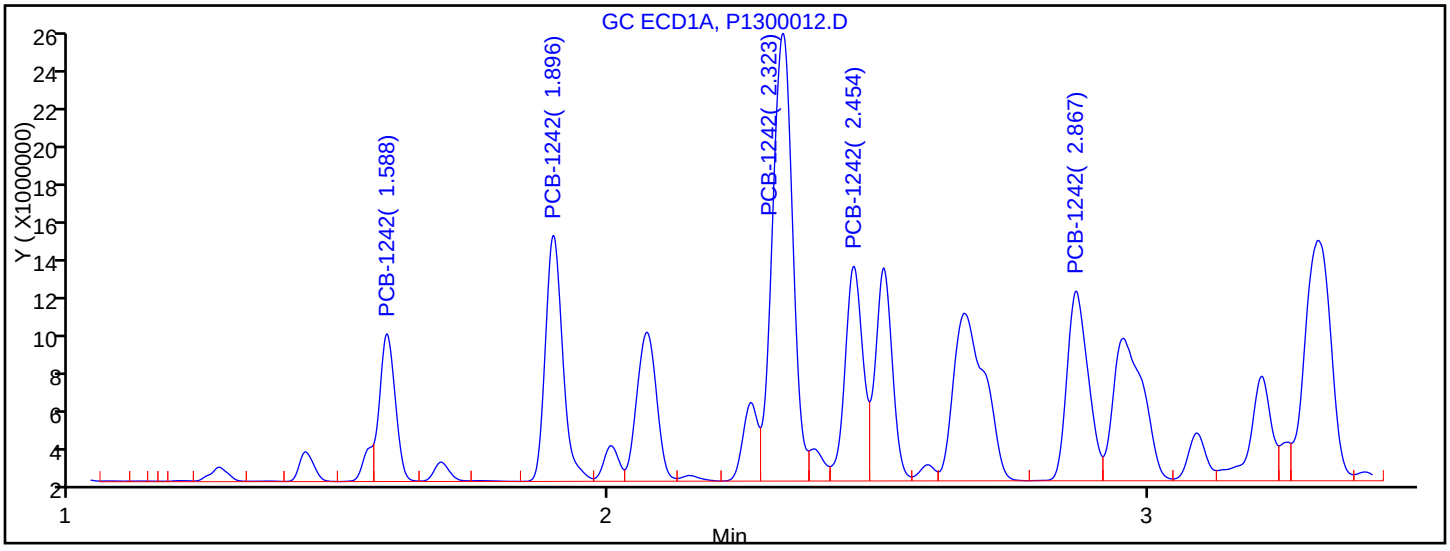
Injection Date:	21-Oct-2012 19:07:42	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	12
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

5 PCB-1242, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.588	Response = 17740253	M
RT = 1.896	Response = 28524939	
RT = 2.323	Response = 61060859	
RT = 2.454	Response = 25615809	
RT = 2.867	Response = 26850579	



Manual Integration Results

RT = 1.588	Response = 15357117	M
RT = 1.896	Response = 28524939	
RT = 2.323	Response = 61060859	
RT = 2.454	Response = 25615809	
RT = 2.867	Response = 26850579	

Reviewer: hassl, 22-Oct-2012 09:03:23

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300013.D		
Lims ID:	STD1 1242	Client ID:	
Inject. Date:	21-Oct-2012 19:22:36	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	240-0014228-013		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 ul	ALS Bottle#:	13
Lims Batch ID:	62068	Lims Sample ID:	13
Sublist:	chrom-PCB13*sub5		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m		
Last Update:	22-Oct-2012 09:18:32	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK013		

First Level Reviewer: hassl Date: 22-Oct-2012 09:03:10

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									M
1	100	1.587	1.587	0.000	28368197	0.8620		100.0	M
1	2	1.897	1.896	0.001	51775659	0.8677	156.0- 206.0	182.5	
1	3	2.322	2.323	-0.001	113121650	0.8880	355.0- 405.0	398.8	
1	4	2.454	2.454	0.000	48196842	0.9299	131.0- 181.0	169.9	
1	5	2.867	2.868	-0.001	49628893	0.8837	142.4- 192.4	174.9	
			Average of Peak Amounts =			0.8862			
2	6	2.147	2.148	-0.001	16343628	0.8763		100.0	
2	7	2.572	2.573	-0.001	34046790	0.8938	176.6- 236.6	208.3	
2	8	3.054	3.053	0.001	67395782	0.9274	356.3- 416.3	412.4	
2	9	3.201	3.202	-0.001	28041523	0.8997	135.8- 195.8	171.6	
2	10	3.720	3.719	0.001	24651587	0.8802	121.8- 181.8	150.8	
			Average of Peak Amounts =			0.8955			
						RPD = 1.04			

QC Flag Legend

Review Flags
M - Manually Integrated

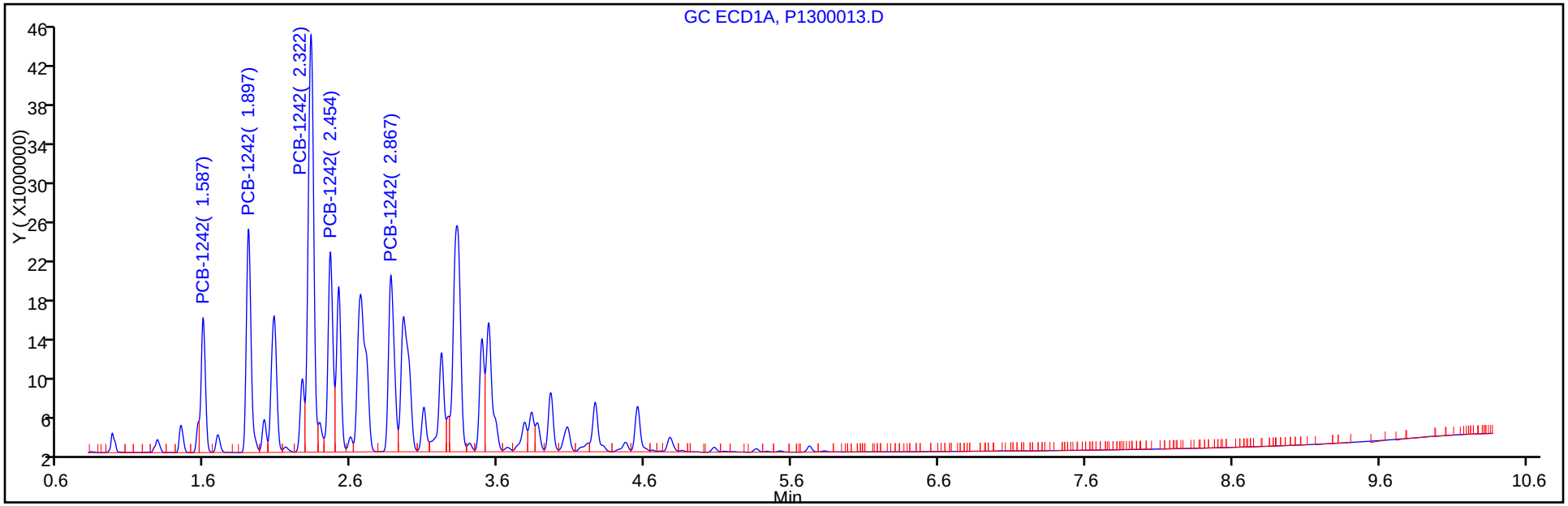
Report Date: 22-Oct-2012 09:18:33 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

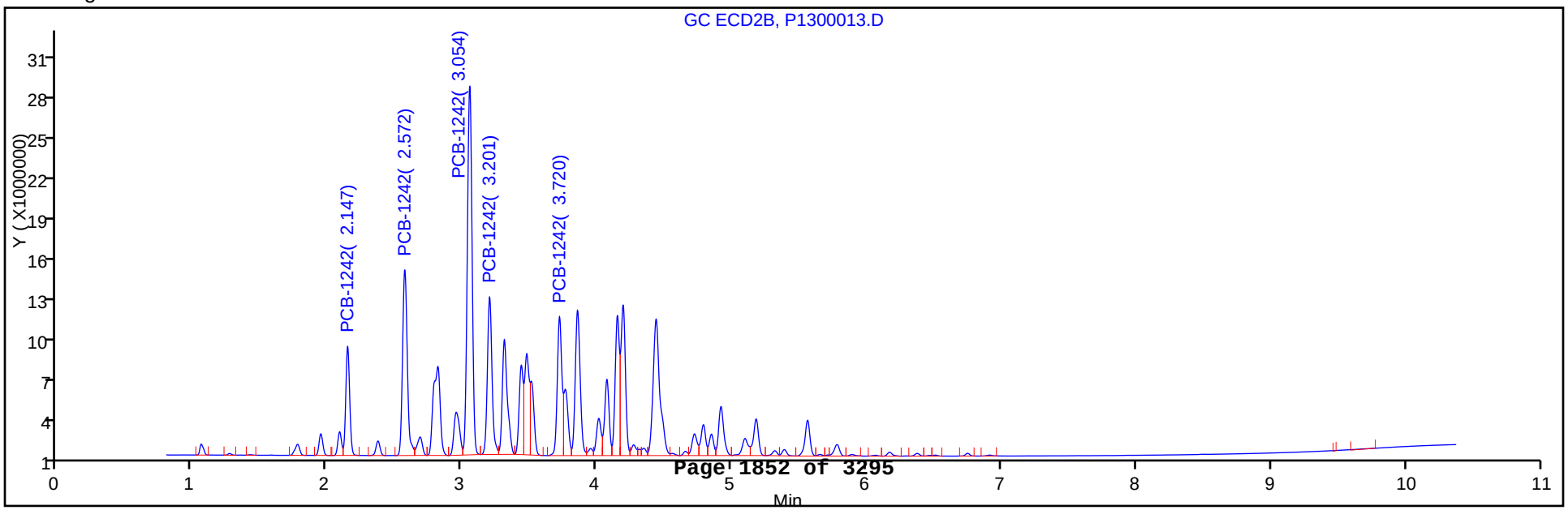
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300013.D

Injection Date:	21-Oct-2012 19:22:36	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	13
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



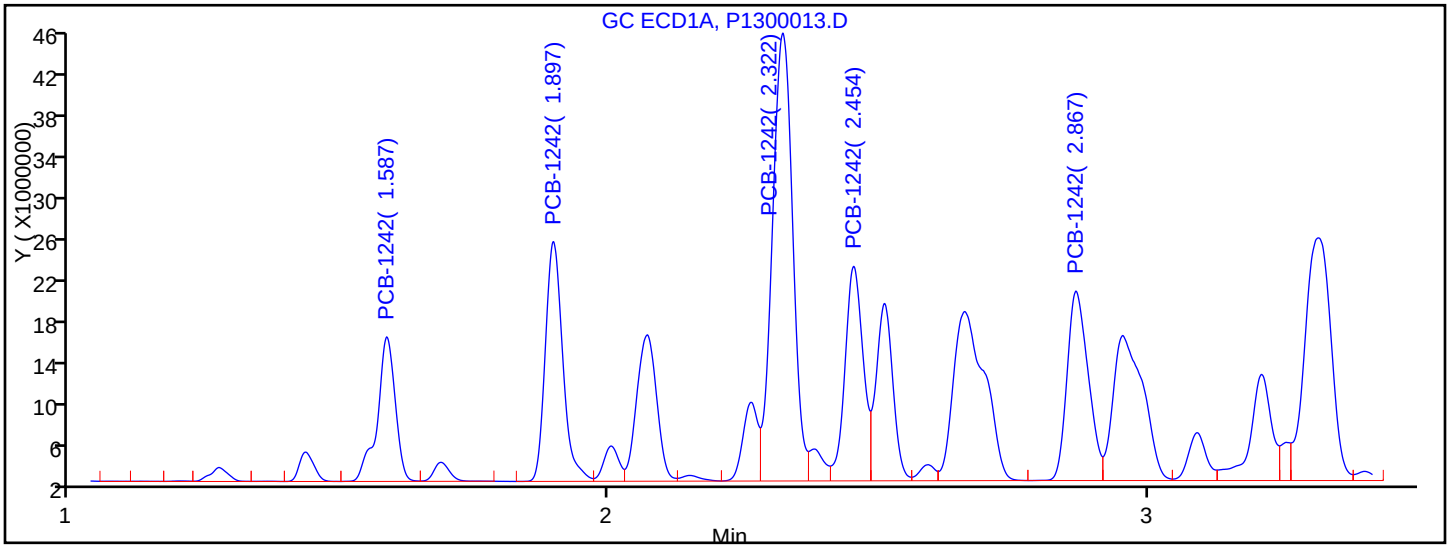
Report Date: 22-Oct-2012 09:18:33 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300013.D

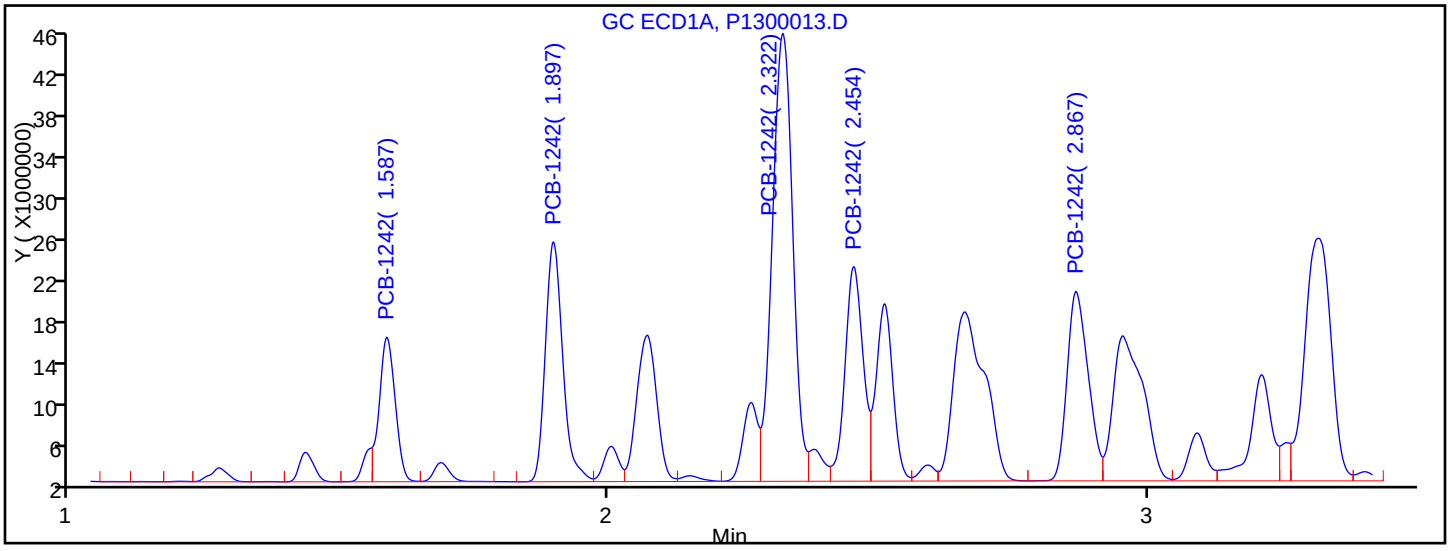
Injection Date:	21-Oct-2012 19:22:36	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	13
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

5 PCB-1242, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.587	Response = 32103067	M
RT = 1.897	Response = 51775659	
RT = 2.322	Response = 113121650	
RT = 2.454	Response = 48196842	
RT = 2.867	Response = 49628893	



Manual Integration Results

RT = 1.587	Response = 28368197	M
RT = 1.897	Response = 51775659	
RT = 2.322	Response = 113121650	
RT = 2.454	Response = 48196842	
RT = 2.867	Response = 49628893	

Reviewer: hassl, 22-Oct-2012 09:03:10

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300014.D
Lims ID: STD2 1242 Client ID:
Inject. Date: 21-Oct-2012 19:37:32 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 240-0014228-014
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 14
Lims Batch ID: 62068 Lims Sample ID: 14
Sublist: chrom-PCB13*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:30 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:02:58

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									M
1	100	1.587	1.587	0.000	53563455	1.63		100.0	M
1	2	1.897	1.896	0.001	95321182	1.60	156.0- 206.0	178.0	
1	3	2.324	2.323	0.001	220672422	1.73	355.0- 405.0	412.0	
1	4	2.454	2.454	0.000	90317785	1.74	131.0- 181.0	168.6	
1	5	2.867	2.868	-0.001	93876421	1.67	142.4- 192.4	175.3	
			Average of Peak Amounts =			1.67			
2	6	2.148	2.148	0.000	31139764	1.67		100.0	
2	7	2.572	2.573	-0.001	64758648	1.70	176.6- 236.6	208.0	
2	8	3.053	3.053	0.000	129880002	1.79	356.3- 416.3	417.1	
2	9	3.201	3.202	-0.001	54079715	1.74	135.8- 195.8	173.7	
2	10	3.720	3.719	0.001	47706789	1.70	121.8- 181.8	153.2	
			Average of Peak Amounts =			1.72			
						RPD = 2.64			

QC Flag Legend

Review Flags
M - Manually Integrated

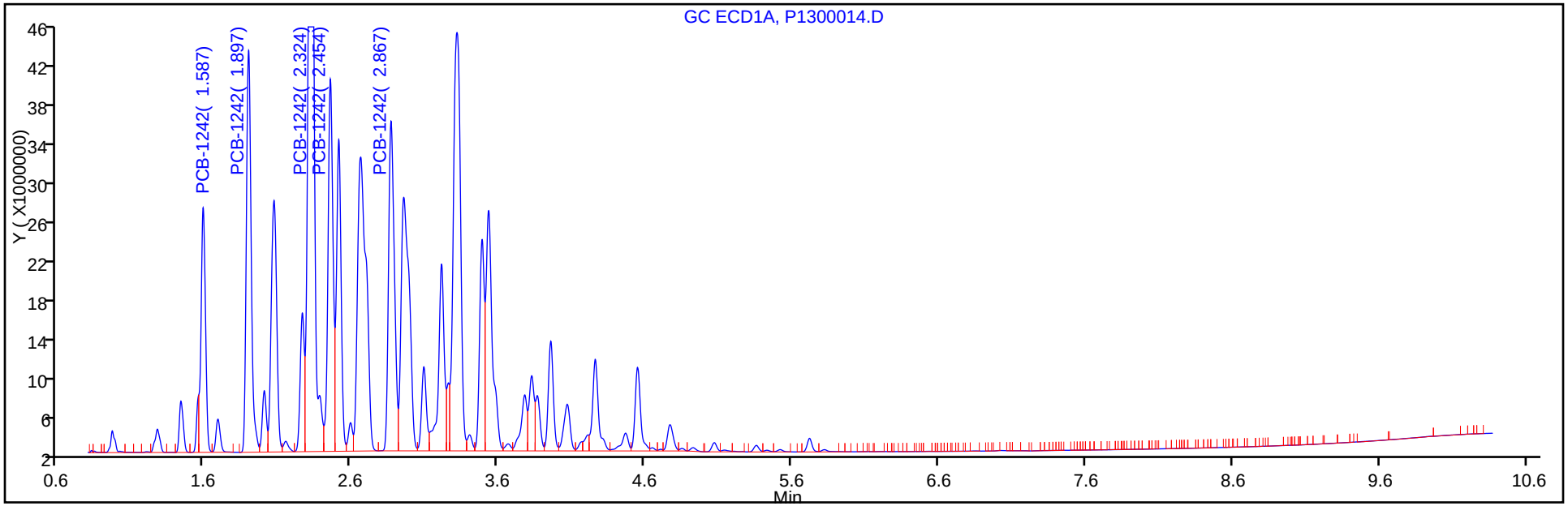
Report Date: 22-Oct-2012 09:18:31 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

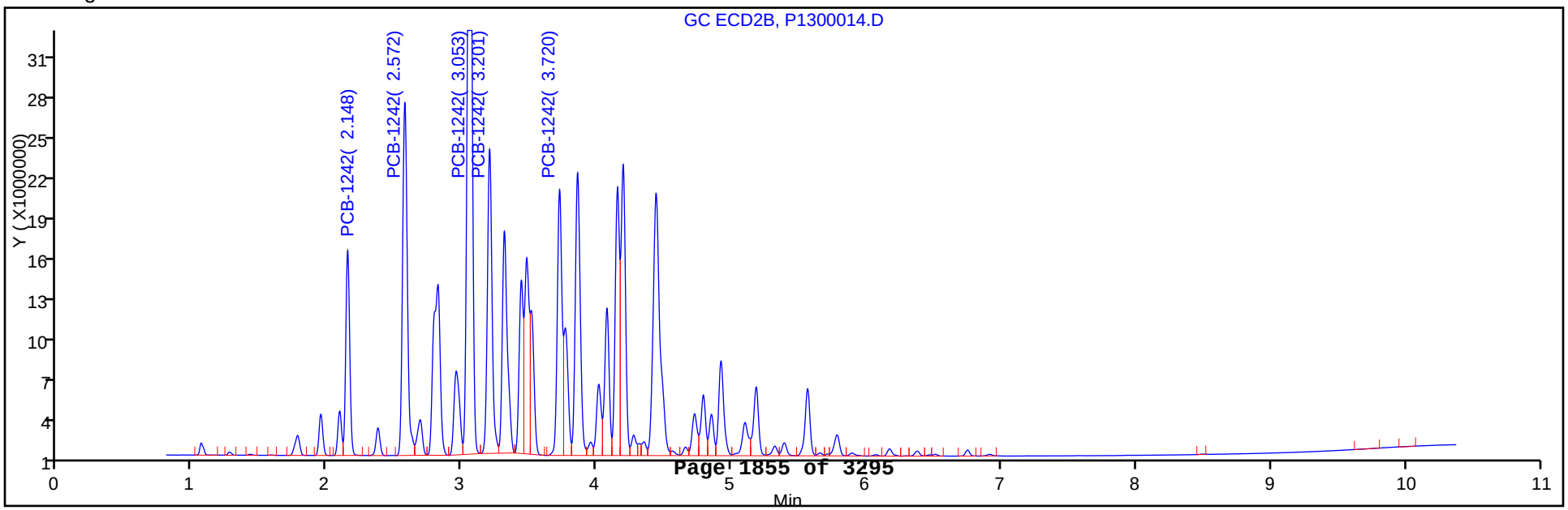
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300014.D

Injection Date:	21-Oct-2012 19:37:32	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	14
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



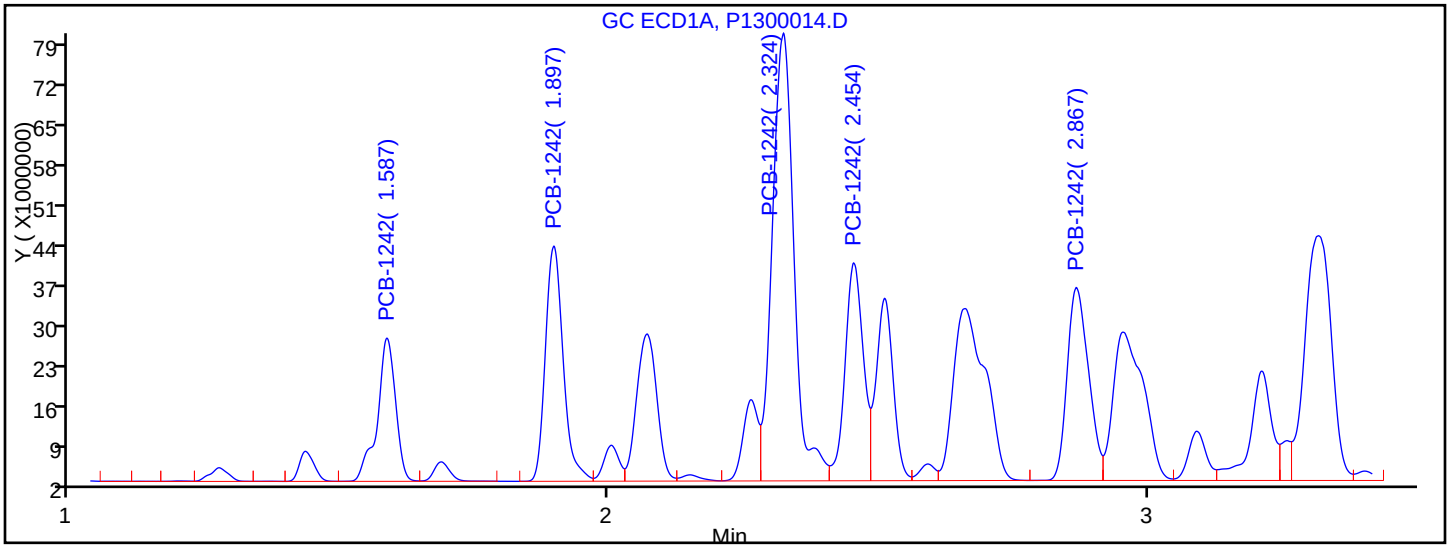
Report Date: 22-Oct-2012 09:18:32 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300014.D

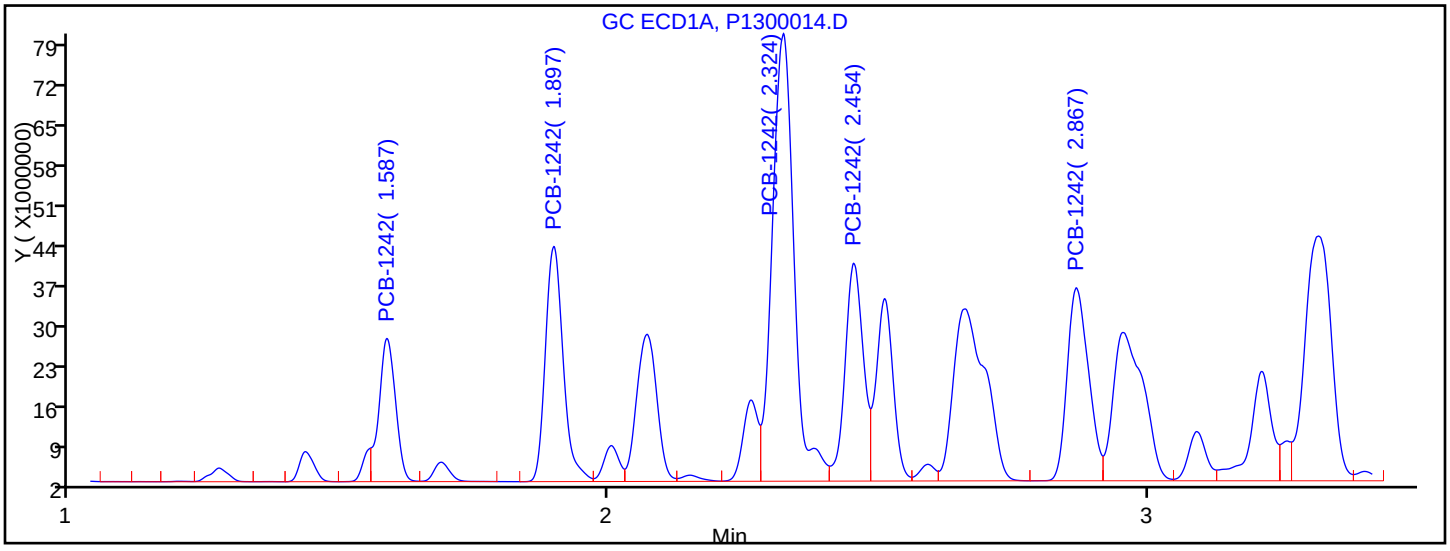
Injection Date:	21-Oct-2012 19:37:32	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	14
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

5 PCB-1242, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.587	Response = 59331050	M
RT = 1.897	Response = 95321182	
RT = 2.324	Response = 220672422	
RT = 2.454	Response = 90317785	
RT = 2.867	Response = 93876421	



Manual Integration Results

RT = 1.587	Response = 53563455	M
RT = 1.897	Response = 95321182	
RT = 2.324	Response = 220672422	
RT = 2.454	Response = 90317785	
RT = 2.867	Response = 93876421	

Reviewer: hassl, 22-Oct-2012 09:02:58

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 18:22 Calibration End Date: 10/21/2012 19:37 Calibration ID: 12019

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/9	P1300009.D
Level 2	STD01 240-62068/10	P1300010.D
Level 3	STD02 240-62068/11	P1300011.D
Level 4	STD05 240-62068/12	P1300012.D
Level 5	STD1 240-62068/13	P1300013.D
Level 6	STD2 240-62068/14	P1300014.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1242 Peak 1	2.148	2.147	2.147	2.148	2.147	2.148					2.098 - 2.198	2.148
PCB-1242 Peak 2	2.573	2.572	2.572	2.572	2.572	2.572					2.523 - 2.623	2.572
PCB-1242 Peak 3	3.053	3.054	3.054	3.054	3.054	3.053					3.003 - 3.103	3.054
PCB-1242 Peak 4	3.202	3.201	3.201	3.201	3.201	3.201					3.152 - 3.252	3.201
PCB-1242 Peak 5	3.719	3.720	3.720	3.720	3.720	3.720					3.669 - 3.769	3.720

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 18:22 Calibration End Date: 10/21/2012 19:37 Calibration ID: 12019

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/9	P1300009.D
Level 2	STD01 240-62068/10	P1300010.D
Level 3	STD02 240-62068/11	P1300011.D
Level 4	STD05 240-62068/12	P1300012.D
Level 5	STD1 240-62068/13	P1300013.D
Level 6	STD2 240-62068/14	P1300014.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
PCB-1242 Peak 1	22180800 16343628	20897880 15569882	19330160	17586774	Ave		18651520.7				14.0		20.0			
PCB-1242 Peak 2	43602080 34046790	42054090 32379324	39937435	36532668	Ave		38092064.5				12.0		20.0			
PCB-1242 Peak 3	81120960 67395782	77237190 64940001	74680000	70641290	Ave		72669203.8				8.4		20.0			
PCB-1242 Peak 4	36422580 28041523	33790480 27039857	32046525	29660122	Ave		31166847.9				12.0		20.0			
PCB-1242 Peak 5	31794320 24651587	32483420 23853395	29350780	25916714	Ave		28008369.3				13.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 18:22 Calibration End Date: 10/21/2012 19:37 Calibration ID: 12019

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/9	P1300009.D
Level 2	STD01 240-62068/10	P1300010.D
Level 3	STD02 240-62068/11	P1300011.D
Level 4	STD05 240-62068/12	P1300012.D
Level 5	STD1 240-62068/13	P1300013.D
Level 6	STD2 240-62068/14	P1300014.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1242 Peak 1	Ave	1109040 31139764	2089788	3866032	8793387	16343628	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 2	Ave	2180104 64758648	4205409	7987487	18266334	34046790	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 3	Ave	4056048 129880002	7723719	14936000	35320645	67395782	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 4	Ave	1821129 54079715	3379048	6409305	14830061	28041523	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 5	Ave	1589716 47706789	3248342	5870156	12958357	24651587	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300009.D
Lims ID: STD005 1242 Client ID:
Inject. Date: 21-Oct-2012 18:22:50 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0014228-009
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 9
Lims Batch ID: 62068 Lims Sample ID: 9
Sublist: chrom-PCB13*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:39 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100	1.587	1.587	0.000	1977212	0.0601		100.0	
1	2	1.896	1.896	0.000	3556776	0.0596	156.0- 206.0	179.9	
1	3	2.323	2.323	0.000	7355902	0.0577	355.0- 405.0	372.0	
1	4	2.454	2.454	0.000	2807756	0.0542	131.0- 181.0	142.0	
1	5	2.868	2.868	0.000	3333595	0.0594	142.4- 192.4	168.6	
			Average of Peak Amounts =			0.0582			
2	6	2.148	2.148	0.000	1109040	0.0595		100.0	
2	7	2.573	2.573	0.000	2180104	0.0572	176.6- 236.6	196.6	
2	8	3.053	3.053	0.000	4056048	0.0558	356.3- 416.3	365.7	
2	9	3.202	3.202	0.000	1821129	0.0584	135.8- 195.8	164.2	
2	10	3.719	3.719	0.000	1589716	0.0568	121.8- 181.8	143.3	
			Average of Peak Amounts =			0.0575			
						RPD = 1.13			

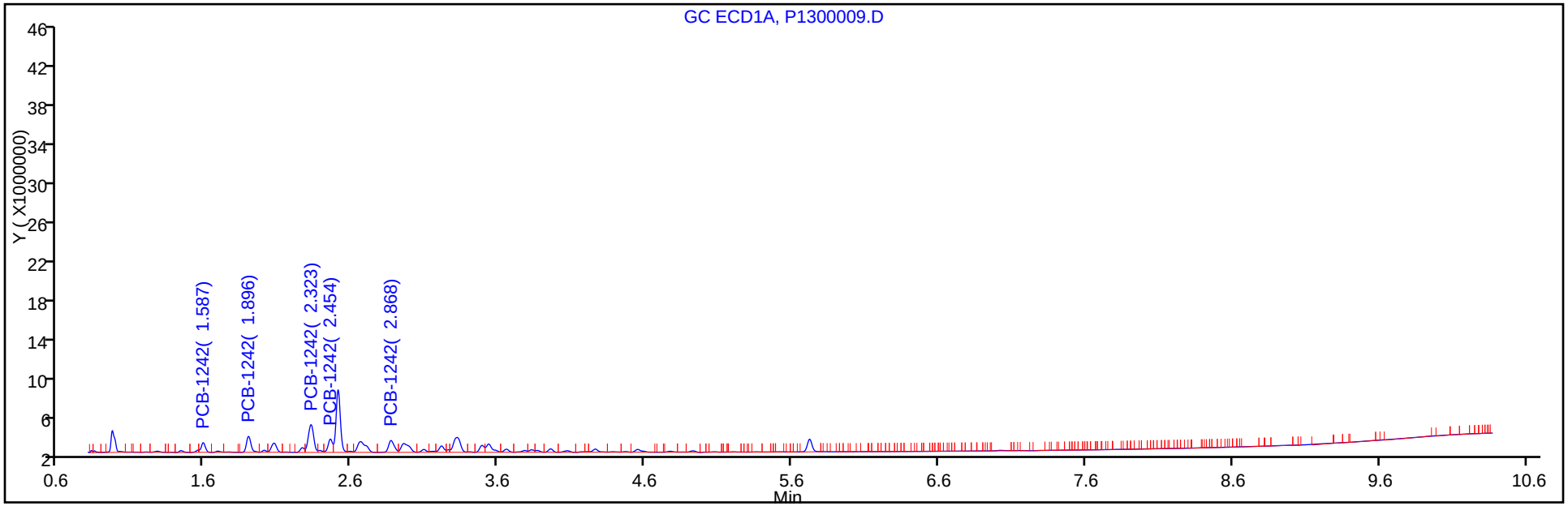
Report Date: 22-Oct-2012 09:18:39 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

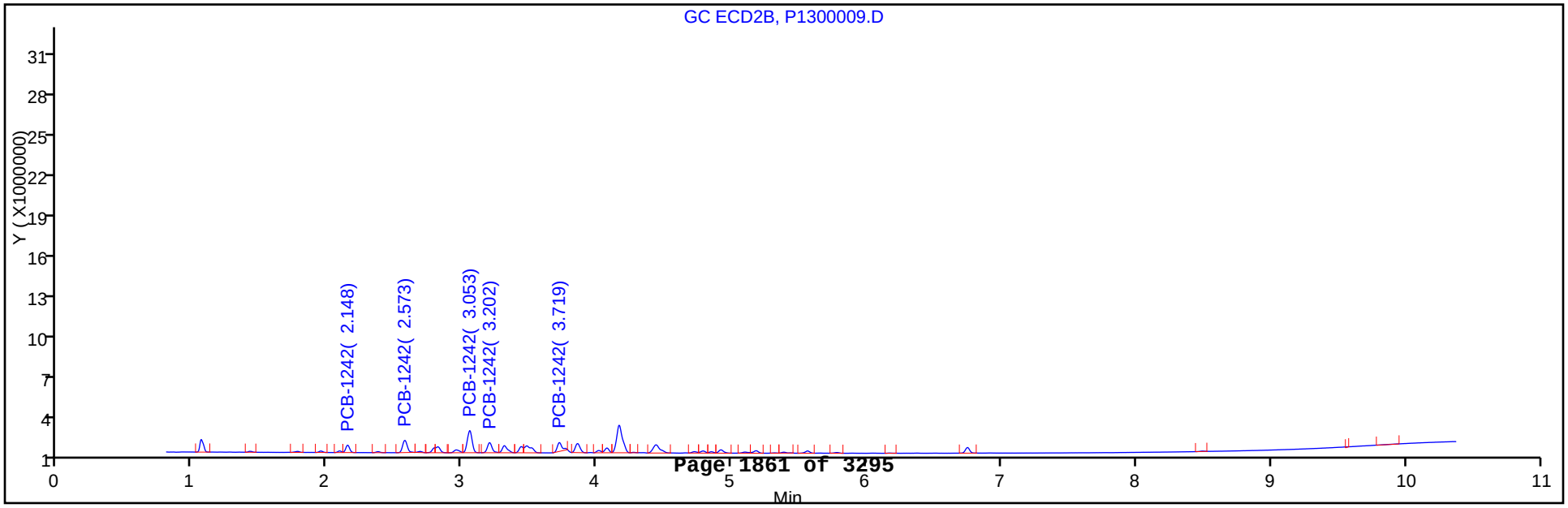
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300009.D

Injection Date:	21-Oct-2012 18:22:50	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	9
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300010.D
Lims ID: STD01 1242 Client ID:
Inject. Date: 21-Oct-2012 18:37:51 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0014228-010
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 10
Lims Batch ID: 62068 Lims Sample ID: 10
Sublist: chrom-PCB13*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:37 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:02:35

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									M
1	100	1.586	1.587	-0.001	3729715	0.1133		100.0	M
1	2	1.896	1.896	0.000	6751601	0.1131	156.0- 206.0	181.0	
1	3	2.323	2.323	0.000	13963705	0.1096	355.0- 405.0	374.4	
1	4	2.454	2.454	0.000	5603693	0.1081	131.0- 181.0	150.2	
1	5	2.866	2.868	-0.002	6187713	0.1102	142.4- 192.4	165.9	
			Average of Peak Amounts =			0.1109			
2	6	2.147	2.148	-0.001	2089788	0.1120		100.0	
2	7	2.572	2.573	-0.001	4205409	0.1104	176.6- 236.6	201.2	
2	8	3.054	3.053	0.001	7723719	0.1063	356.3- 416.3	369.6	
2	9	3.201	3.202	-0.001	3379048	0.1084	135.8- 195.8	161.7	
2	10	3.720	3.719	0.001	3248342	0.1160	121.8- 181.8	155.4	
			Average of Peak Amounts =			0.1106			
						RPD = 0.23			

QC Flag Legend

Review Flags
M - Manually Integrated

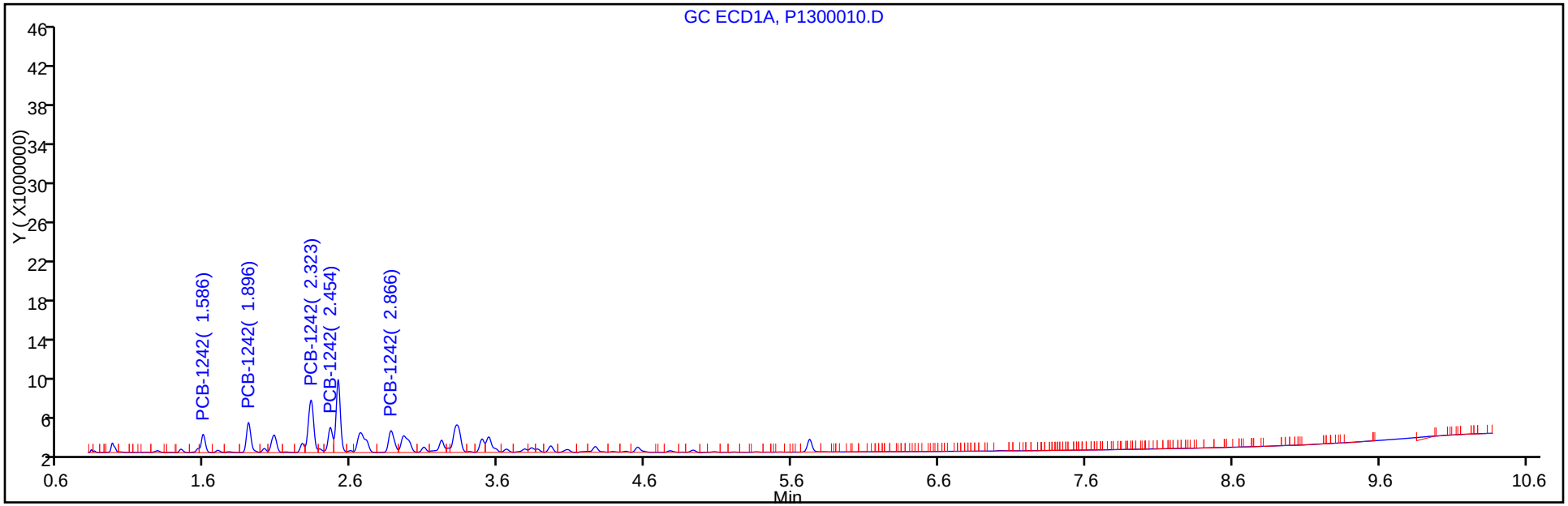
Report Date: 22-Oct-2012 09:18:38 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

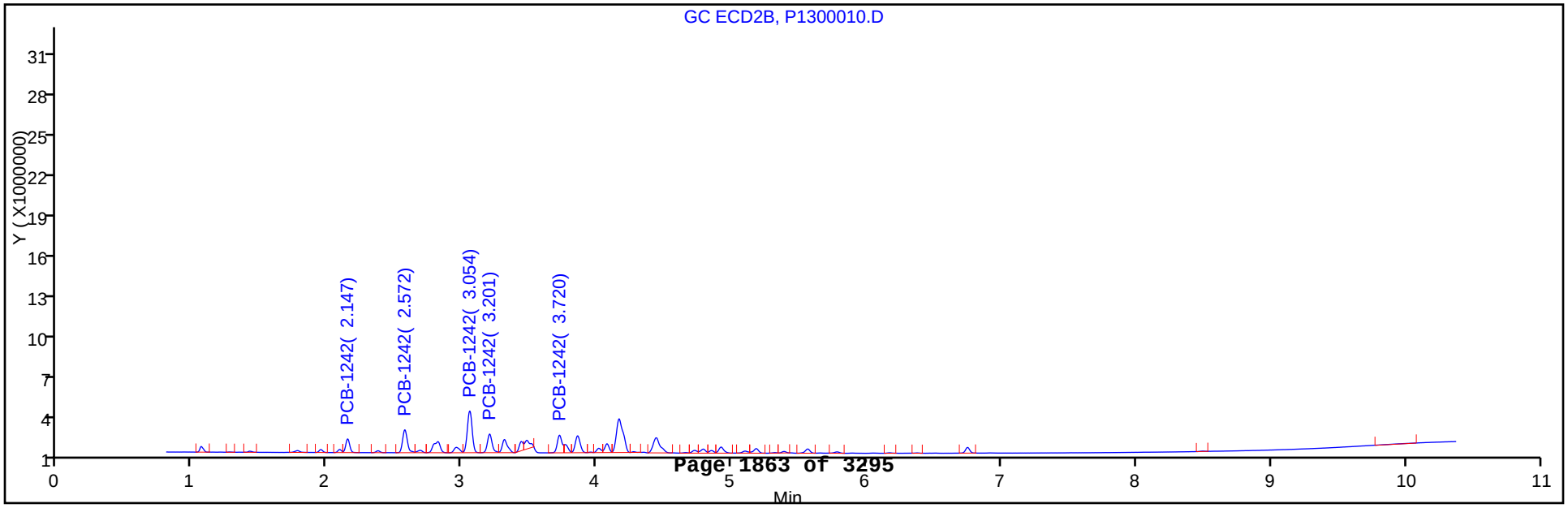
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300010.D

Injection Date:	21-Oct-2012 18:37:51	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	10
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300011.D
Lims ID: STD02 1242 Client ID:
Inject. Date: 21-Oct-2012 18:52:48 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0014228-011
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 11
Lims Batch ID: 62068 Lims Sample ID: 11
Sublist: chrom-PCB13*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:35 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:03:38

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									M
1	100	1.587	1.587	0.000	6948481	0.2111		100.0	M
1	2	1.895	1.896	-0.001	12579810	0.2108	156.0- 206.0	181.0	
1	3	2.322	2.323	-0.001	26406854	0.2073	355.0- 405.0	380.0	
1	4	2.454	2.454	0.000	10842083	0.2092	131.0- 181.0	156.0	
1	5	2.867	2.868	-0.001	11629407	0.2071	142.4- 192.4	167.4	
			Average of Peak Amounts =			0.2091			
2	6	2.147	2.148	-0.001	3866032	0.2073		100.0	
2	7	2.572	2.573	-0.001	7987487	0.2097	176.6- 236.6	206.6	
2	8	3.054	3.053	0.001	14936000	0.2055	356.3- 416.3	386.3	
2	9	3.201	3.202	-0.001	6409305	0.2056	135.8- 195.8	165.8	
2	10	3.720	3.719	0.001	5870156	0.2096	121.8- 181.8	151.8	
			Average of Peak Amounts =			0.2075			
						RPD = 0.75			

QC Flag Legend

Review Flags
M - Manually Integrated

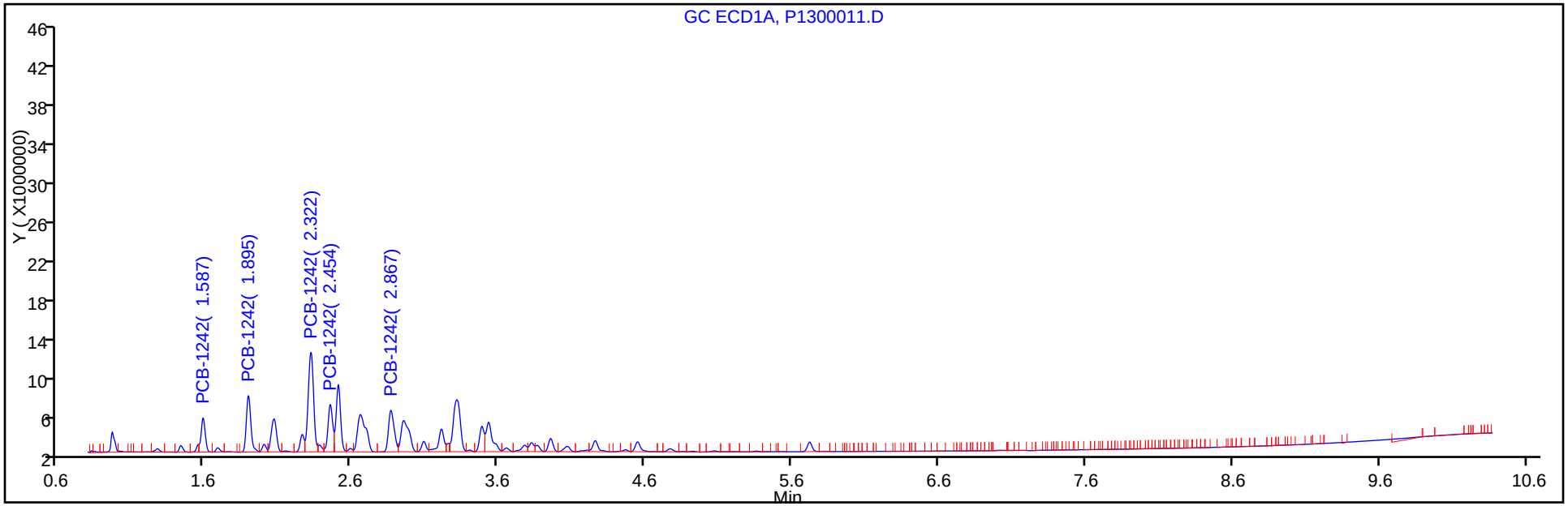
Report Date: 22-Oct-2012 09:18:36 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

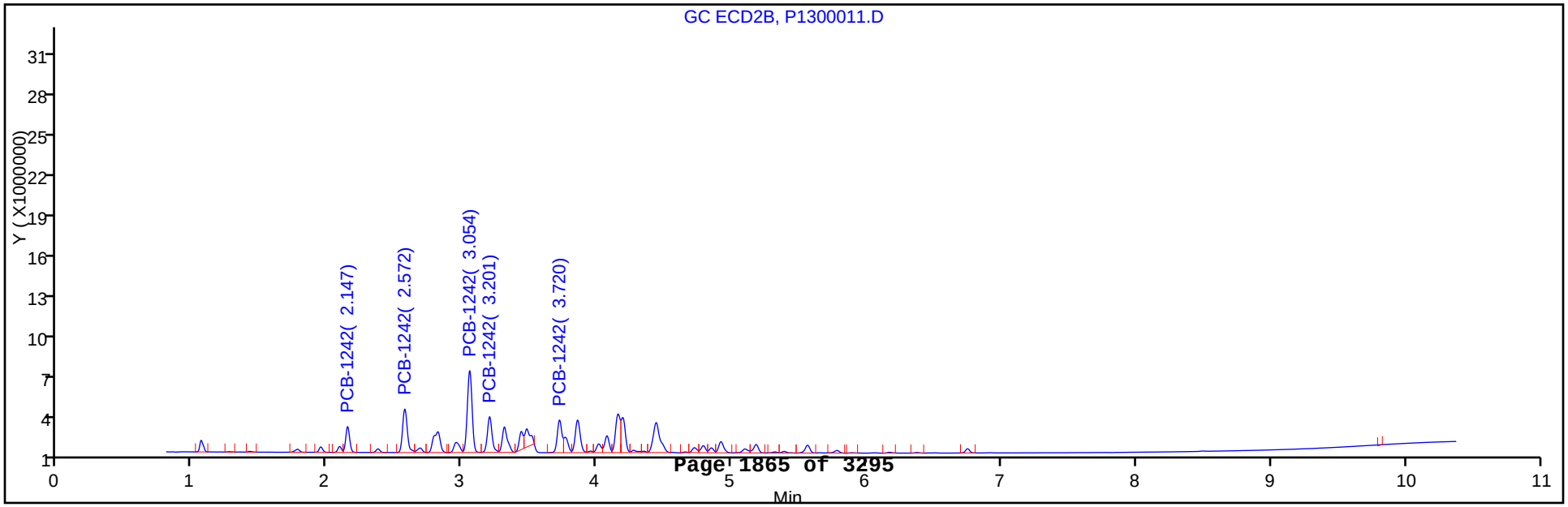
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300011.D

Injection Date:	21-Oct-2012 18:52:48	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	11
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300012.D		
Lims ID:	STD05 1242	Client ID:	
Inject. Date:	21-Oct-2012 19:07:42	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	240-0014228-012		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 ul	ALS Bottle#:	12
Lims Batch ID:	62068	Lims Sample ID:	12
Sublist:	chrom-PCB13*sub5		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m		
Last Update:	22-Oct-2012 09:18:34	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK013		

First Level Reviewer: hassl Date: 22-Oct-2012 09:03:23

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									M
1	100	1.588	1.587	0.001	15357117	0.4667		100.0	M
1	2	1.896	1.896	0.000	28524939	0.4780	156.0- 206.0	185.7	
1	3	2.323	2.323	0.000	61060859	0.4793	355.0- 405.0	397.6	
1	4	2.454	2.454	0.000	25615809	0.4942	131.0- 181.0	166.8	
1	5	2.867	2.868	-0.001	26850579	0.4781	142.4- 192.4	174.8	
			Average of Peak Amounts =			0.4793			
2	6	2.148	2.148	0.000	8793387	0.4715		100.0	
2	7	2.572	2.573	-0.001	18266334	0.4795	176.6- 236.6	207.7	
2	8	3.054	3.053	0.001	35320645	0.4860	356.3- 416.3	401.7	
2	9	3.201	3.202	-0.001	14830061	0.4758	135.8- 195.8	168.7	
2	10	3.720	3.719	0.001	12958357	0.4627	121.8- 181.8	147.4	
			Average of Peak Amounts =			0.4751			
						RPD = 0.87			

QC Flag Legend

Review Flags
M - Manually Integrated

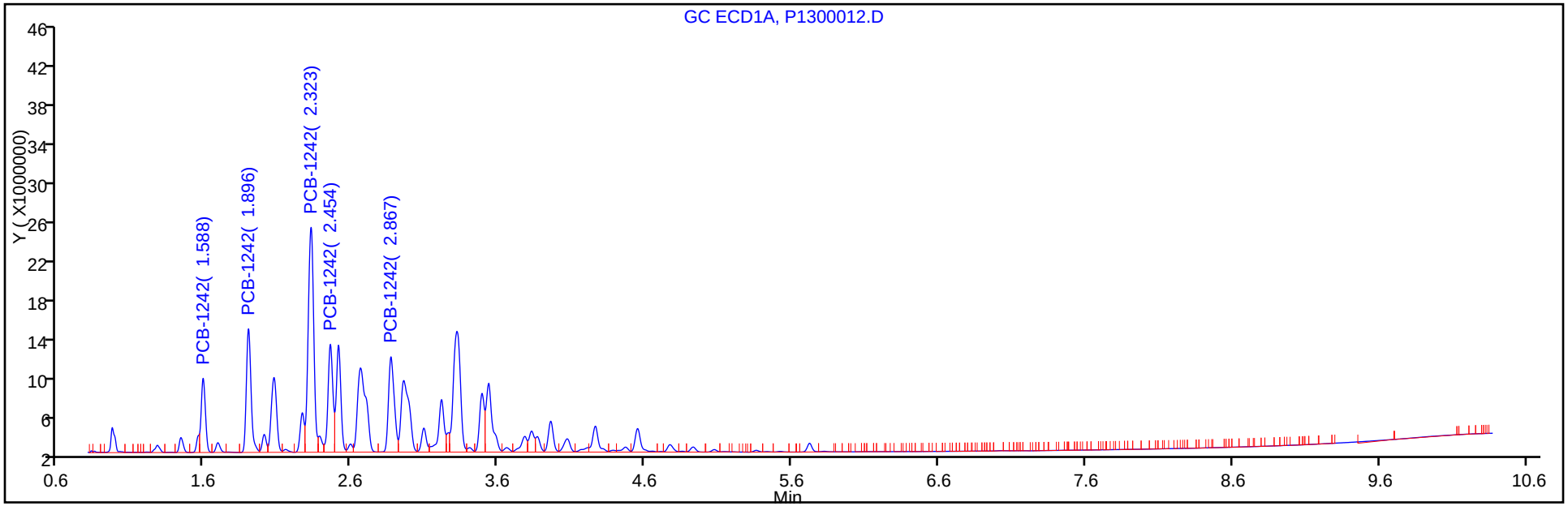
Report Date: 22-Oct-2012 09:18:35 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

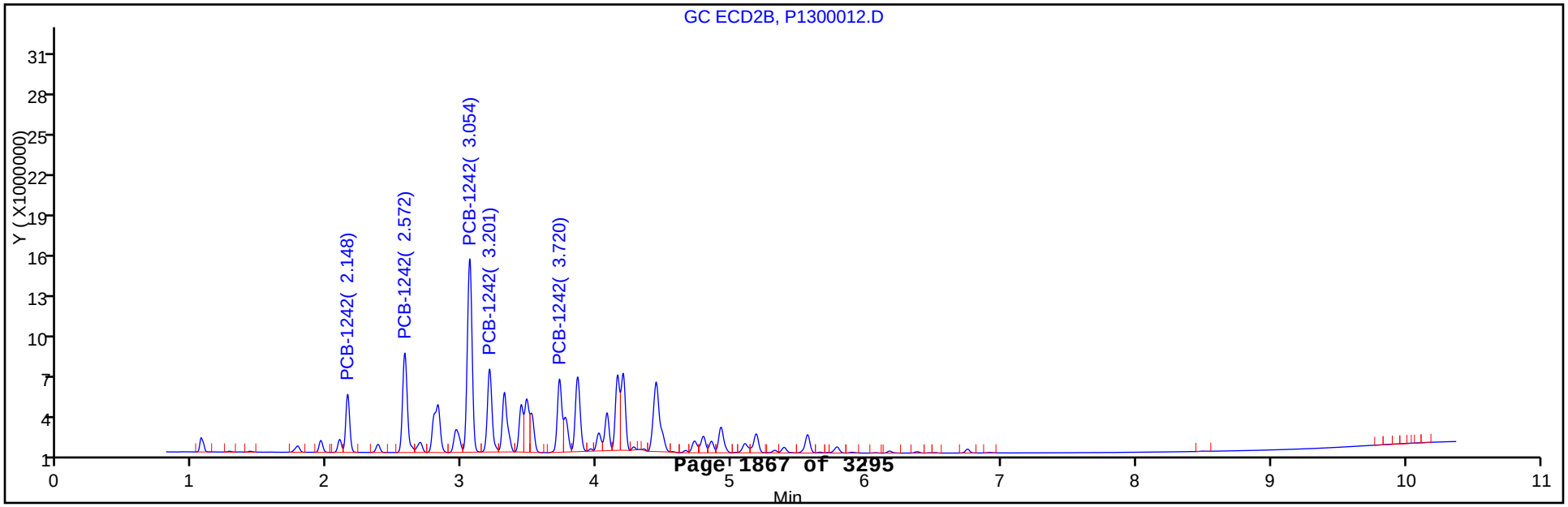
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300012.D

Injection Date:	21-Oct-2012 19:07:42	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	12
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300013.D		
Lims ID:	STD1 1242	Client ID:	
Inject. Date:	21-Oct-2012 19:22:36	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	240-0014228-013		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 ul	ALS Bottle#:	13
Lims Batch ID:	62068	Lims Sample ID:	13
Sublist:	chrom-PCB13*sub5		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m		
Last Update:	22-Oct-2012 09:18:32	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK013		

First Level Reviewer: hassl Date: 22-Oct-2012 09:03:10

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									M
1	100	1.587	1.587	0.000	28368197	0.8620		100.0	M
1	2	1.897	1.896	0.001	51775659	0.8677	156.0- 206.0	182.5	
1	3	2.322	2.323	-0.001	113121650	0.8880	355.0- 405.0	398.8	
1	4	2.454	2.454	0.000	48196842	0.9299	131.0- 181.0	169.9	
1	5	2.867	2.868	-0.001	49628893	0.8837	142.4- 192.4	174.9	
			Average of Peak Amounts =			0.8862			
2	6	2.147	2.148	-0.001	16343628	0.8763		100.0	
2	7	2.572	2.573	-0.001	34046790	0.8938	176.6- 236.6	208.3	
2	8	3.054	3.053	0.001	67395782	0.9274	356.3- 416.3	412.4	
2	9	3.201	3.202	-0.001	28041523	0.8997	135.8- 195.8	171.6	
2	10	3.720	3.719	0.001	24651587	0.8802	121.8- 181.8	150.8	
			Average of Peak Amounts =			0.8955			
						RPD = 1.04			

QC Flag Legend

Review Flags
M - Manually Integrated

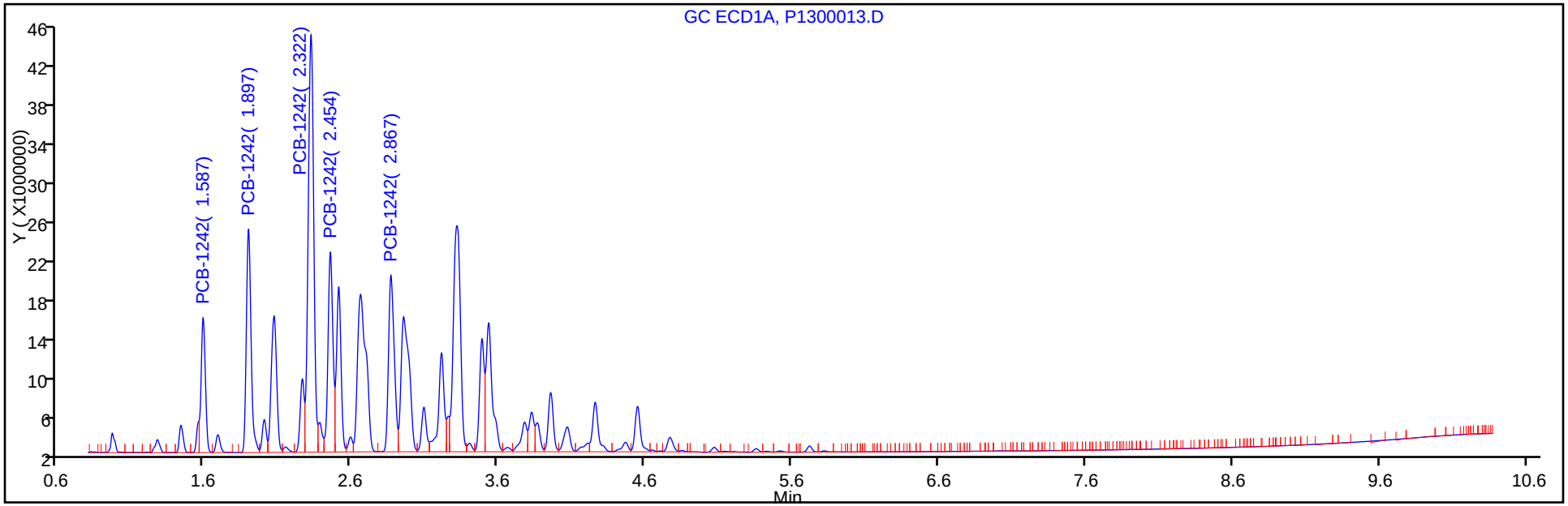
Report Date: 22-Oct-2012 09:18:33 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

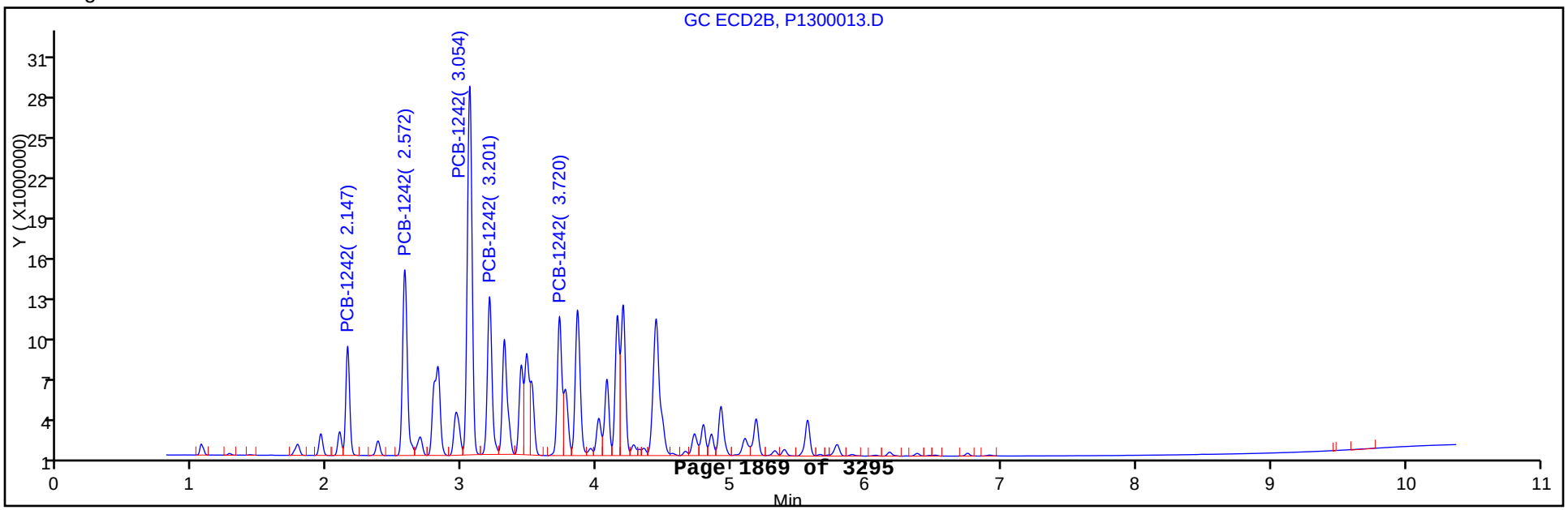
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300013.D

Injection Date:	21-Oct-2012 19:22:36	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	13
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300014.D		
Lims ID:	STD2 1242	Client ID:	
Inject. Date:	21-Oct-2012 19:37:32	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	240-0014228-014		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 ul	ALS Bottle#:	14
Lims Batch ID:	62068	Lims Sample ID:	14
Sublist:	chrom-PCB13*sub5		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m		
Last Update:	22-Oct-2012 09:18:30	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK013		

First Level Reviewer: hassl Date: 22-Oct-2012 09:02:58

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									M
1	100	1.587	1.587	0.000	53563455	1.63		100.0	M
1	2	1.897	1.896	0.001	95321182	1.60	156.0- 206.0	178.0	
1	3	2.324	2.323	0.001	220672422	1.73	355.0- 405.0	412.0	
1	4	2.454	2.454	0.000	90317785	1.74	131.0- 181.0	168.6	
1	5	2.867	2.868	-0.001	93876421	1.67	142.4- 192.4	175.3	
			Average of Peak Amounts =			1.67			
2	6	2.148	2.148	0.000	31139764	1.67		100.0	
2	7	2.572	2.573	-0.001	64758648	1.70	176.6- 236.6	208.0	
2	8	3.053	3.053	0.000	129880002	1.79	356.3- 416.3	417.1	
2	9	3.201	3.202	-0.001	54079715	1.74	135.8- 195.8	173.7	
2	10	3.720	3.719	0.001	47706789	1.70	121.8- 181.8	153.2	
			Average of Peak Amounts =			1.72			
						RPD = 2.64			

QC Flag Legend

Review Flags
M - Manually Integrated

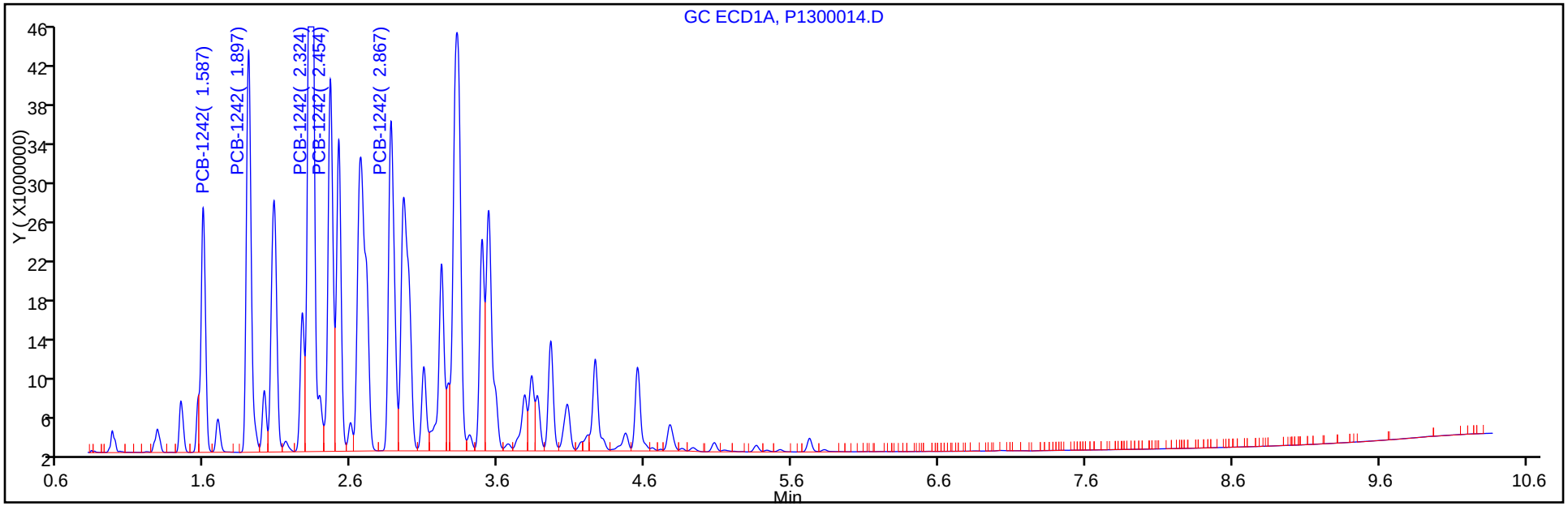
Report Date: 22-Oct-2012 09:18:32 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

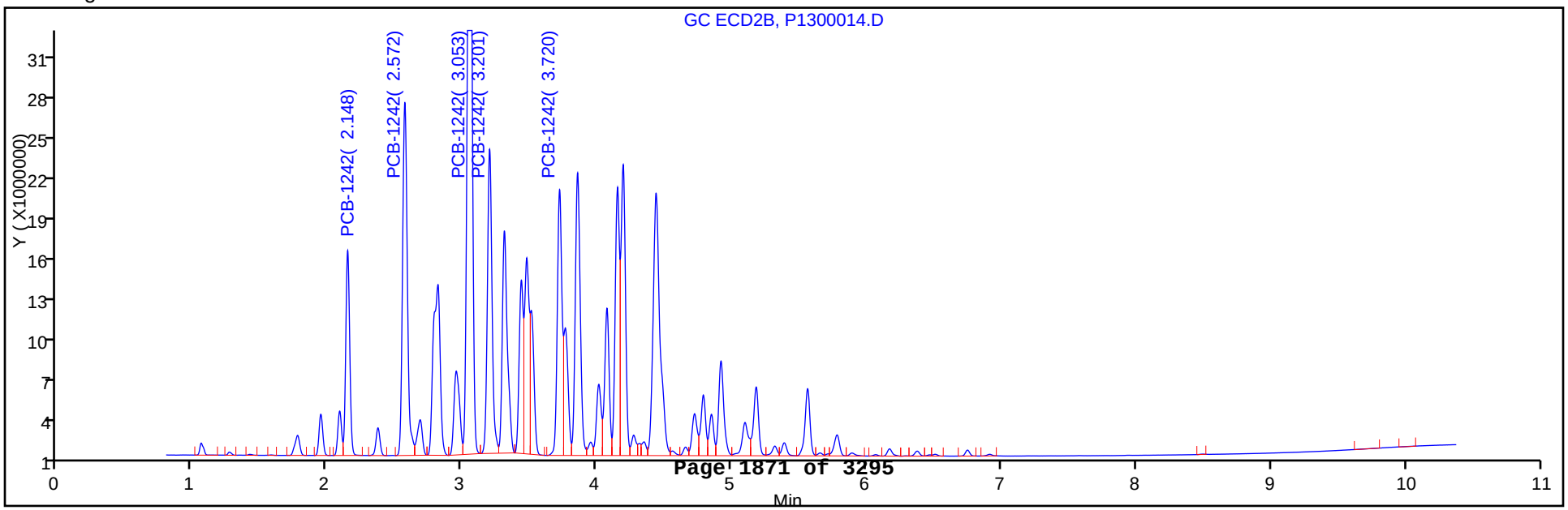
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300014.D

Injection Date:	21-Oct-2012 19:37:32	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	14
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 19:52 Calibration End Date: 10/21/2012 21:07 Calibration ID: 12024

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/15	P1300015.D
Level 2	STD01 240-62068/16	P1300016.D
Level 3	STD02 240-62068/17	P1300017.D
Level 4	STD05 240-62068/18	P1300018.D
Level 5	STD1 240-62068/19	P1300019.D
Level 6	STD2 240-62068/20	P1300020.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1248 Peak 1	1.895	1.894	1.895	1.895	1.896	1.898					1.845 - 1.945	1.896
PCB-1248 Peak 2	2.319	2.320	2.320	2.320	2.321	2.323					2.269 - 2.369	2.321
PCB-1248 Peak 3	2.866	2.866	2.865	2.865	2.867	2.867					2.816 - 2.916	2.866
PCB-1248 Peak 4	3.489	3.488	3.488	3.488	3.489	3.491					3.439 - 3.539	3.489
PCB-1248 Peak 5	3.955	3.955	3.956	3.955	3.956	3.956					3.905 - 4.005	3.956

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 19:52 Calibration End Date: 10/21/2012 21:07 Calibration ID: 12024

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/15	P1300015.D
Level 2	STD01 240-62068/16	P1300016.D
Level 3	STD02 240-62068/17	P1300017.D
Level 4	STD05 240-62068/18	P1300018.D
Level 5	STD1 240-62068/19	P1300019.D
Level 6	STD2 240-62068/20	P1300020.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
PCB-1248 Peak 1	35627040 29135388	33536860 24068449	31456580	28340240	Ave		30360759.5				14.0		20.0			
PCB-1248 Peak 2	97099940 84632106	92102790 70970344	87394195	80875788	Ave		85512527.2				11.0		20.0			
PCB-1248 Peak 3	104899280 89853545	99647370 74499130	94783450	86648002	Ave		91721796.1				12.0		20.0			
PCB-1248 Peak 4	57588960 51679145	55149460 44783754	54397350	49975298	Ave		52262327.8				8.7		20.0			
PCB-1248 Peak 5	49819180 46162000	47528620 39172010	47538980	45014092	Ave		45872480.3				8.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 19:52 Calibration End Date: 10/21/2012 21:07 Calibration ID: 12024

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/15	P1300015.D
Level 2	STD01 240-62068/16	P1300016.D
Level 3	STD02 240-62068/17	P1300017.D
Level 4	STD05 240-62068/18	P1300018.D
Level 5	STD1 240-62068/19	P1300019.D
Level 6	STD2 240-62068/20	P1300020.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1248 Peak 1	Ave	1781352 48136898	3353686	6291316	14170120	29135388	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 2	Ave	4854997 141940688	9210279	17478839	40437894	84632106	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 3	Ave	5244964 148998259	9964737	18956690	43324001	89853545	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 4	Ave	2879448 89567507	5514946	10879470	24987649	51679145	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 5	Ave	2490959 78344020	4752862	9507796	22507046	46162000	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:

Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300015.D		
Lims ID:	STD005 1248	Client ID:	
Inject. Date:	21-Oct-2012 19:52:26	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	240-0014228-015		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 ul	ALS Bottle#:	15
Lims Batch ID:	62068	Lims Sample ID:	15
Sublist:	chrom-PCB13*sub9		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m		
Last Update:	22-Oct-2012 09:18:29	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK013		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.895	1.895	0.000	1781352	0.0587		100.0	
1	2	2.319	2.319	0.000	4854997	0.0568	252.8- 302.8	272.5	
1	3	2.866	2.866	0.000	5244964	0.0572	276.3- 326.3	294.4	
1	4	3.489	3.489	0.000	2879448	0.0551	147.9- 197.9	161.6	
1	5	3.955	3.955	0.000	2490959	0.0543	126.1- 176.1	139.8	
			Average of Peak Amounts =			0.0564			
2	6	2.570	2.570	0.000	1117228	0.0583		100.0	
2	7	3.053	3.053	0.000	2703681	0.0549	225.1- 285.1	242.0	
2	8	3.719	3.719	0.000	3462312	0.0573	285.5- 345.5	309.9	
2	9	3.853	3.853	0.000	2732609	0.0550	227.4- 287.4	244.6	
2	10	4.916	4.916	0.000	1636979	0.0548	126.6- 186.6	146.5	
			Average of Peak Amounts =			0.0560			
						RPD = 0.65			

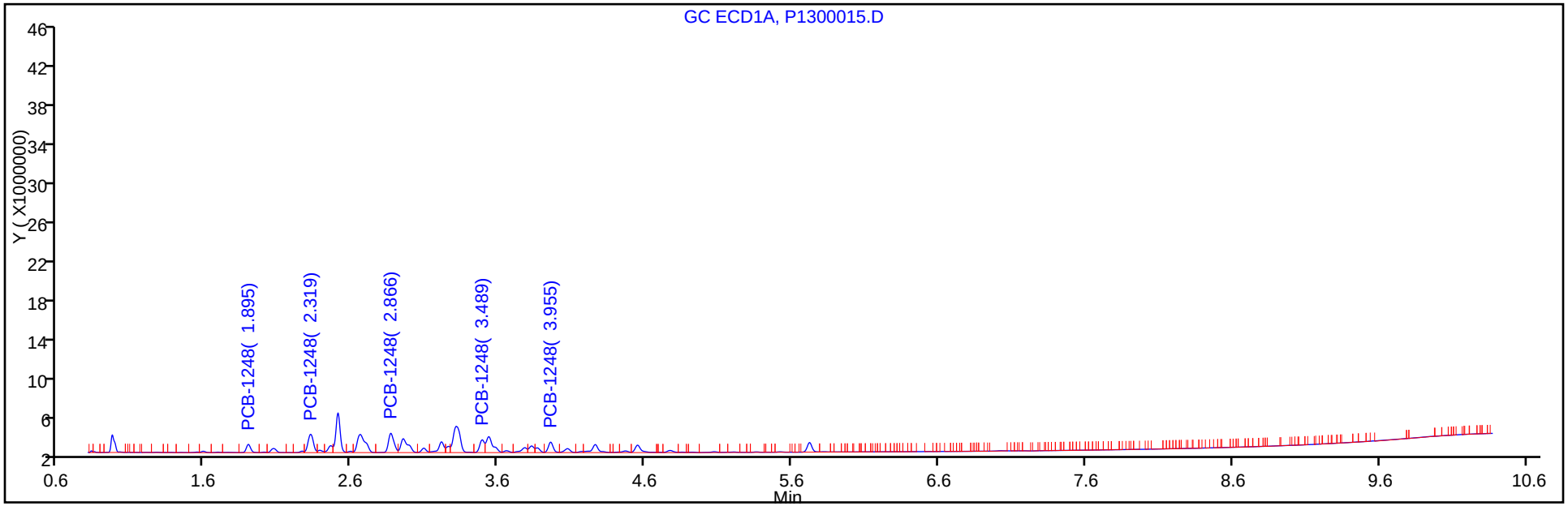
Report Date: 22-Oct-2012 09:18:30 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

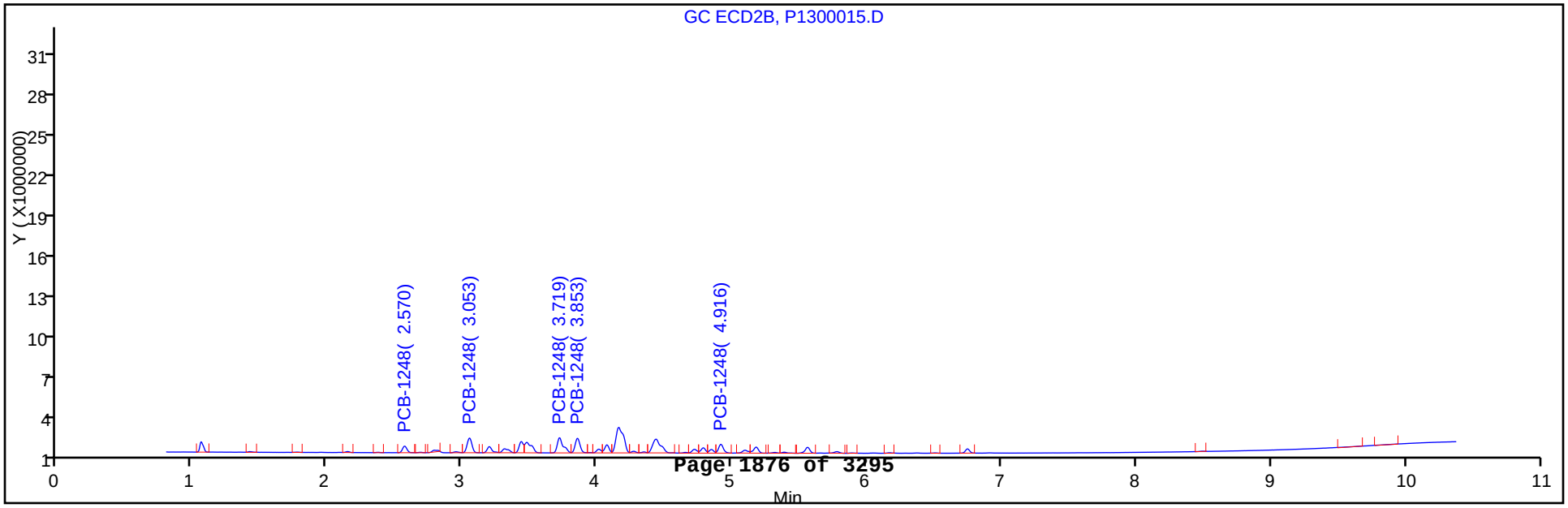
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300015.D

Injection Date:	21-Oct-2012 19:52:26	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	15
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300016.D		
Lims ID:	STD01 1248	Client ID:	
Inject. Date:	21-Oct-2012 20:07:20	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	240-0014228-016		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 ul	ALS Bottle#:	16
Lims Batch ID:	62068	Lims Sample ID:	16
Sublist:	chrom-PCB13*sub9		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m		
Last Update:	22-Oct-2012 09:18:28	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK013		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.894	1.895	-0.001	3353686	0.1105		100.0	
1	2	2.320	2.319	0.001	9210279	0.1077	252.8- 302.8	274.6	
1	3	2.866	2.866	0.000	9964737	0.1086	276.3- 326.3	297.1	
1	4	3.488	3.489	-0.001	5514946	0.1055	147.9- 197.9	164.4	
1	5	3.955	3.955	0.000	4752862	0.1036	126.1- 176.1	141.7	
			Average of Peak Amounts =			0.1072			
2	6	2.569	2.570	-0.001	2082982	0.1087		100.0	
2	7	3.052	3.053	-0.001	5171437	0.1050	225.1- 285.1	248.3	
2	8	3.720	3.719	0.001	6444459	0.1066	285.5- 345.5	309.4	
2	9	3.853	3.853	0.000	5225099	0.1051	227.4- 287.4	250.8	
2	10	4.918	4.916	0.002	3136148	0.1050	126.6- 186.6	150.6	
			Average of Peak Amounts =			0.1061			
						RPD = 1.06			

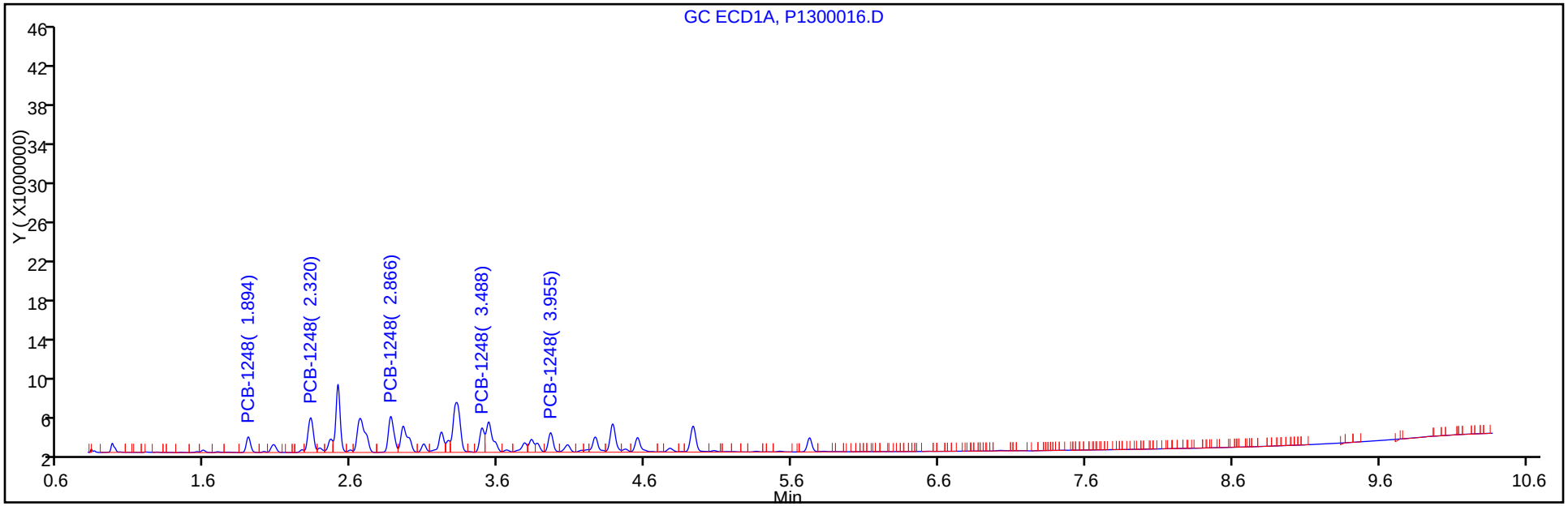
Report Date: 22-Oct-2012 09:18:28 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

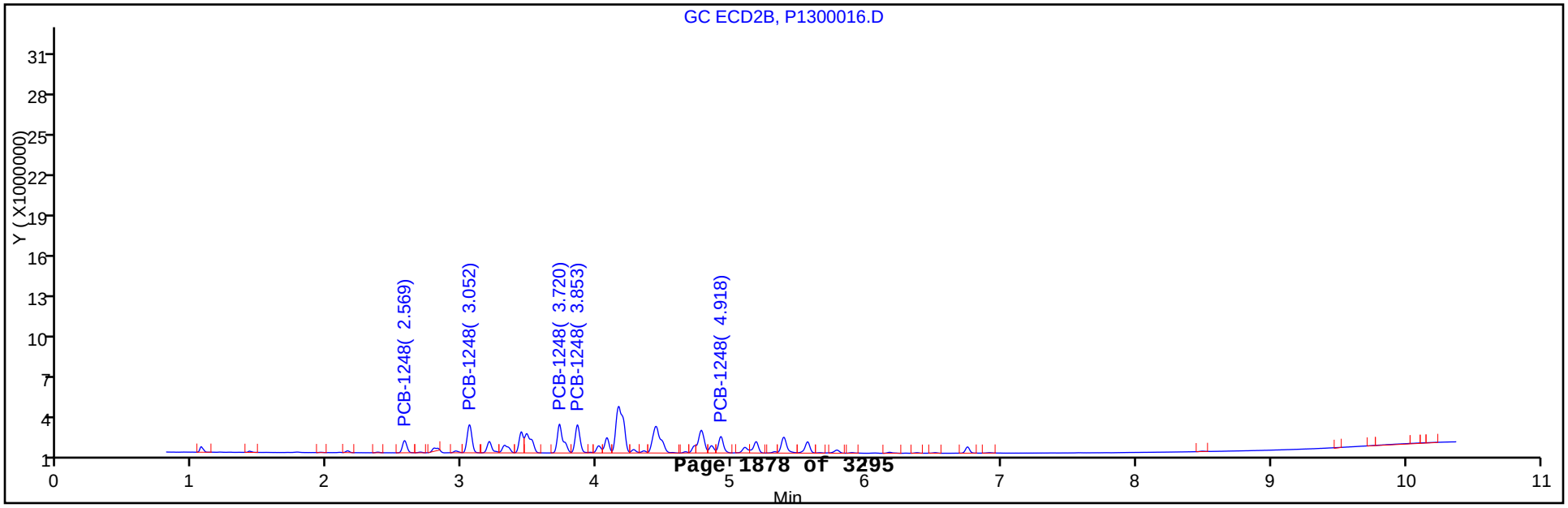
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300016.D

Injection Date:	21-Oct-2012 20:07:20	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	16
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300017.D
Lims ID: STD02 1248 Client ID:
Inject. Date: 21-Oct-2012 20:22:16 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0014228-017
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 17
Lims Batch ID: 62068 Lims Sample ID: 17
Sublist: chrom-PCB13*sub9
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:26 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.895	1.895	0.000	6291316	0.2072		100.0	
1	2	2.320	2.319	0.001	17478839	0.2044	252.8- 302.8	277.8	
1	3	2.865	2.866	-0.001	18956690	0.2067	276.3- 326.3	301.3	
1	4	3.488	3.489	-0.001	10879470	0.2082	147.9- 197.9	172.9	
1	5	3.956	3.955	0.001	9507796	0.2073	126.1- 176.1	151.1	
			Average of Peak Amounts =			0.2067			
2	6	2.570	2.570	0.000	3893609	0.2032		100.0	
2	7	3.052	3.053	-0.001	9933230	0.2016	225.1- 285.1	255.1	
2	8	3.721	3.719	0.002	12282545	0.2031	285.5- 345.5	315.5	
2	9	3.853	3.853	0.000	10020517	0.2016	227.4- 287.4	257.4	
2	10	4.917	4.916	0.001	6098245	0.2041	126.6- 186.6	156.6	
			Average of Peak Amounts =			0.2027			
						RPD = 1.97			

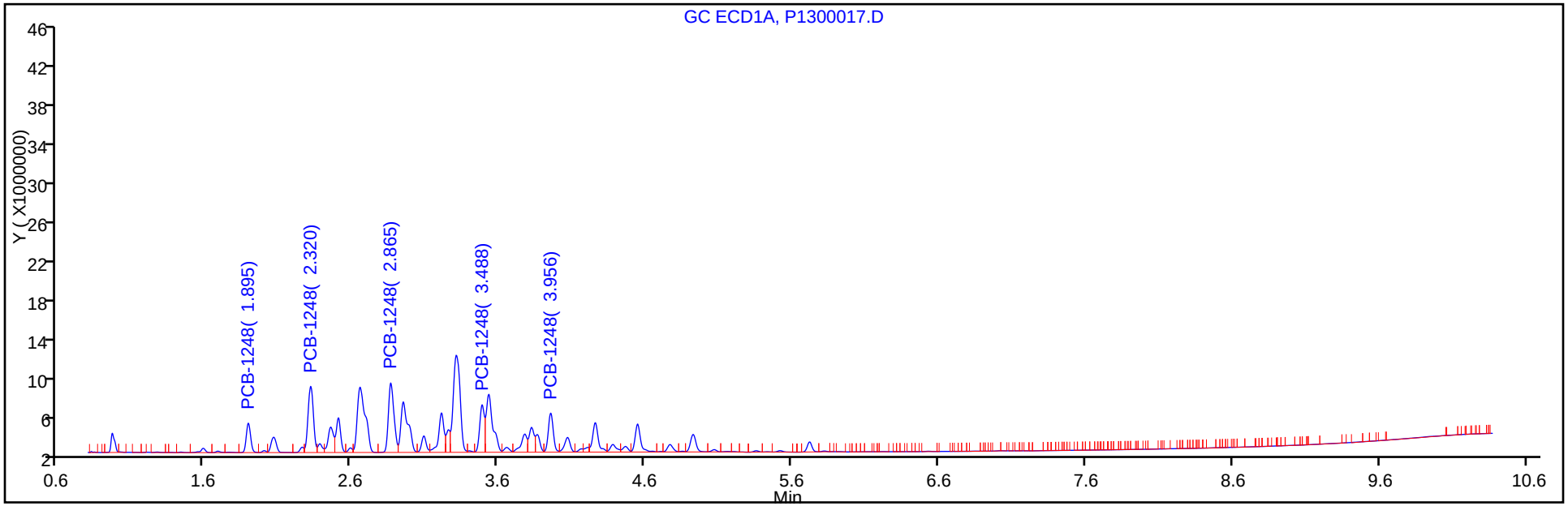
Report Date: 22-Oct-2012 09:18:27 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

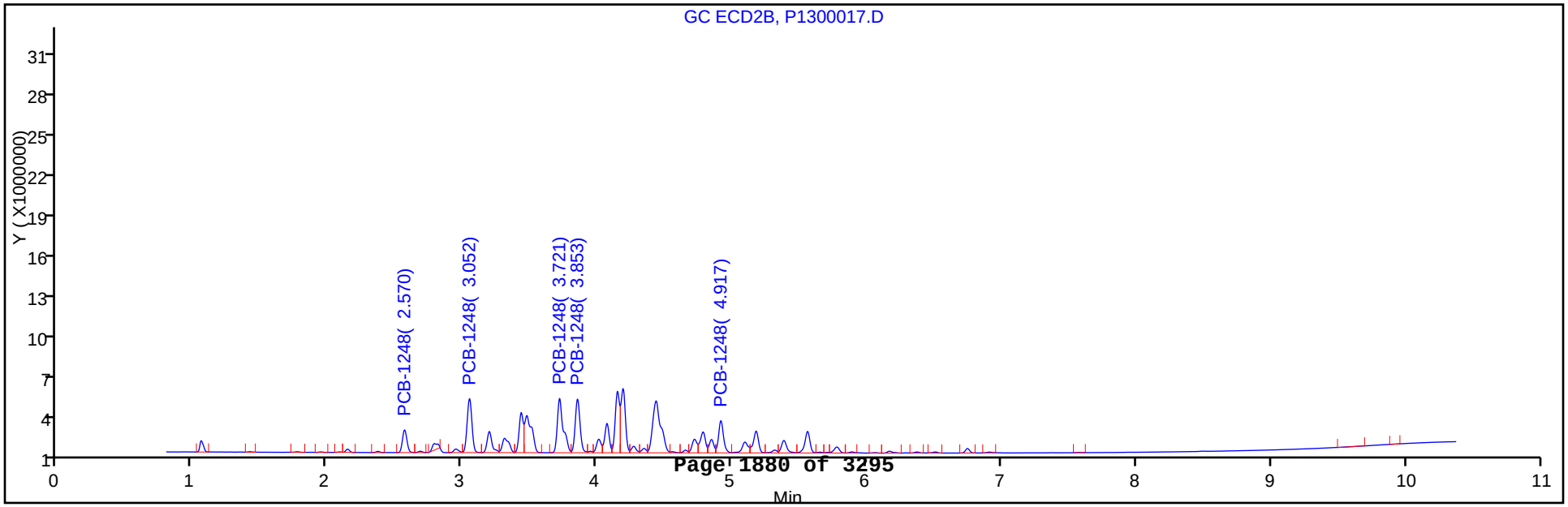
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300017.D

Injection Date:	21-Oct-2012 20:22:16	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	17
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300018.D
Lims ID: STD05 1248 Client ID:
Inject. Date: 21-Oct-2012 20:37:10 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0014228-018
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 18
Lims Batch ID: 62068 Lims Sample ID: 18
Sublist: chrom-PCB13*sub9
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:25 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.895	1.895	0.000	14170120	0.4667		100.0	
1	2	2.320	2.319	0.001	40437894	0.4729	252.8- 302.8	285.4	
1	3	2.865	2.866	-0.001	43324001	0.4723	276.3- 326.3	305.7	
1	4	3.488	3.489	-0.001	24987649	0.4781	147.9- 197.9	176.3	
1	5	3.955	3.955	0.000	22507046	0.4906	126.1- 176.1	158.8	
			Average of Peak Amounts =			0.4761			
2	6	2.570	2.570	0.000	8854766	0.4621		100.0	
2	7	3.052	3.053	-0.001	23340190	0.4738	225.1- 285.1	263.6	
2	8	3.720	3.719	0.001	28238370	0.4670	285.5- 345.5	318.9	
2	9	3.854	3.853	0.001	23599597	0.4748	227.4- 287.4	266.5	
2	10	4.918	4.916	0.002	14111828	0.4723	126.6- 186.6	159.4	
			Average of Peak Amounts =			0.4700			
						RPD = 1.31			

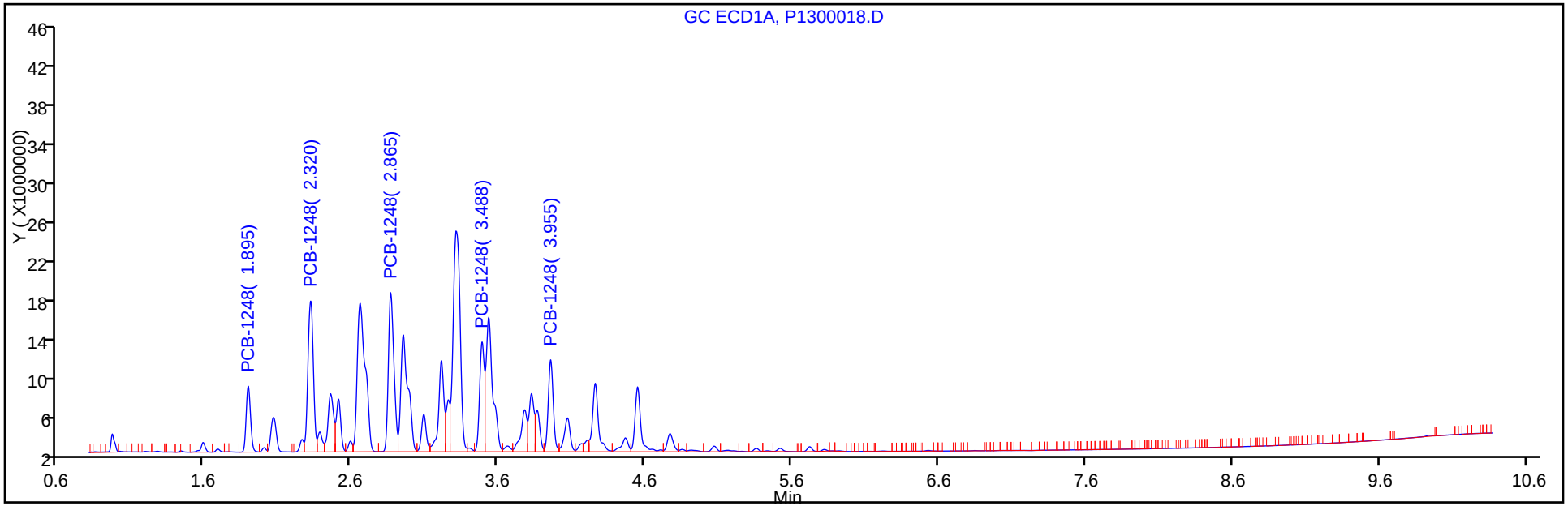
Report Date: 22-Oct-2012 09:18:25 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

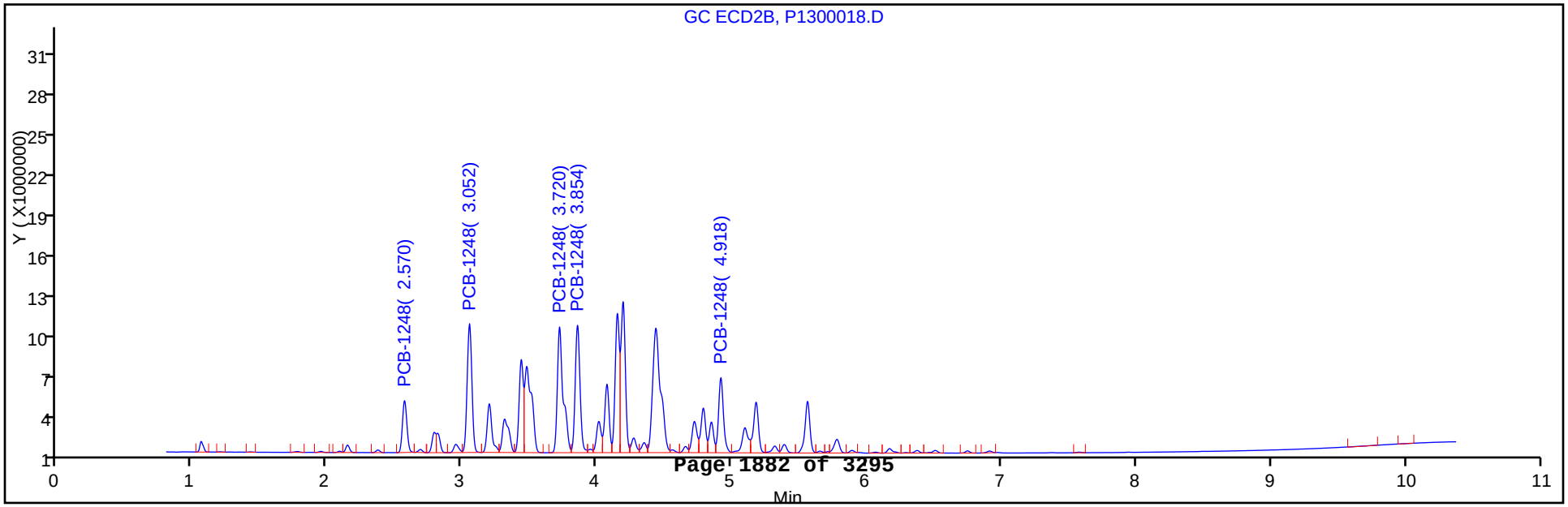
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300018.D

Injection Date:	21-Oct-2012 20:37:10	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	18
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300019.D
Lims ID: STD1 1248 Client ID:
Inject. Date: 21-Oct-2012 20:52:10 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0014228-019
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 19
Lims Batch ID: 62068 Lims Sample ID: 19
Sublist: chrom-PCB13*sub9
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:23 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.896	1.895	0.001	29135388	0.9596		100.0	
1	2	2.321	2.319	0.002	84632106	0.9897	252.8- 302.8	290.5	
1	3	2.867	2.866	0.001	89853545	0.9796	276.3- 326.3	308.4	
1	4	3.489	3.489	0.000	51679145	0.9888	147.9- 197.9	177.4	
1	5	3.956	3.955	0.001	46162000	1.01	126.1- 176.1	158.4	
			Average of Peak Amounts =			0.9848			
2	6	2.570	2.570	0.000	18764890	0.9792		100.0	
2	7	3.053	3.053	0.000	50161615	1.02	225.1- 285.1	267.3	
2	8	3.721	3.719	0.002	59878771	0.99	285.5- 345.5	319.1	
2	9	3.854	3.853	0.001	50492707	1.02	227.4- 287.4	269.1	
2	10	4.917	4.916	0.001	30146724	1.01	126.6- 186.6	160.7	
			Average of Peak Amounts =			1.00			
						RPD = 1.77			

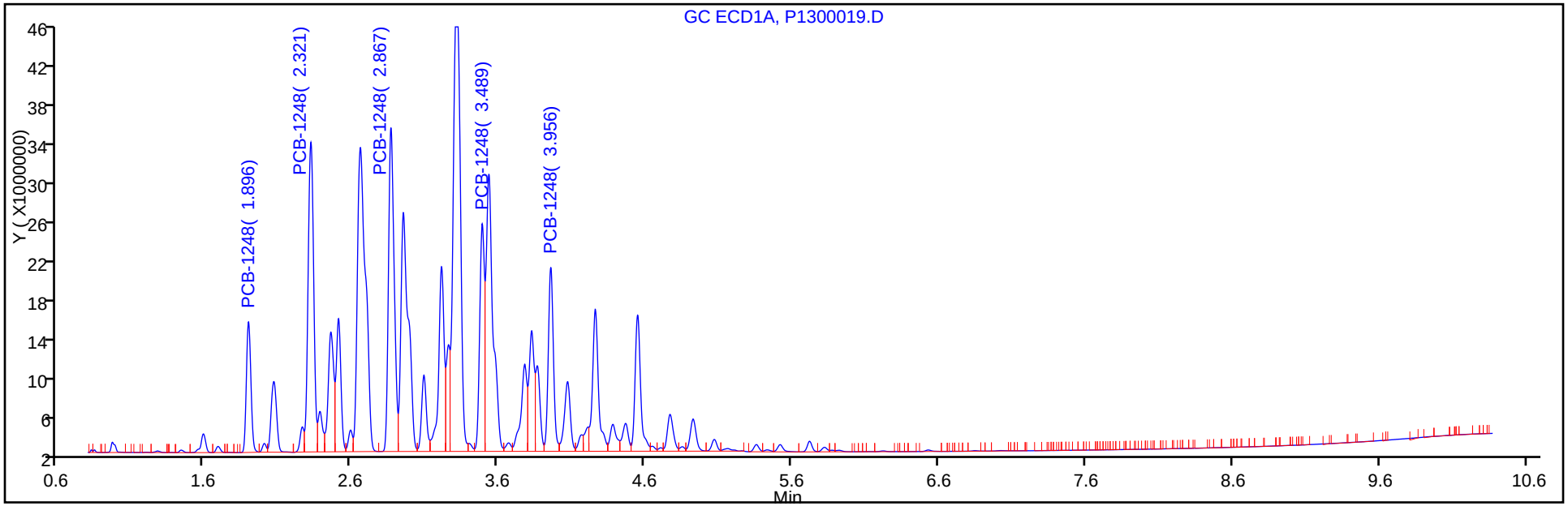
Report Date: 22-Oct-2012 09:18:24 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

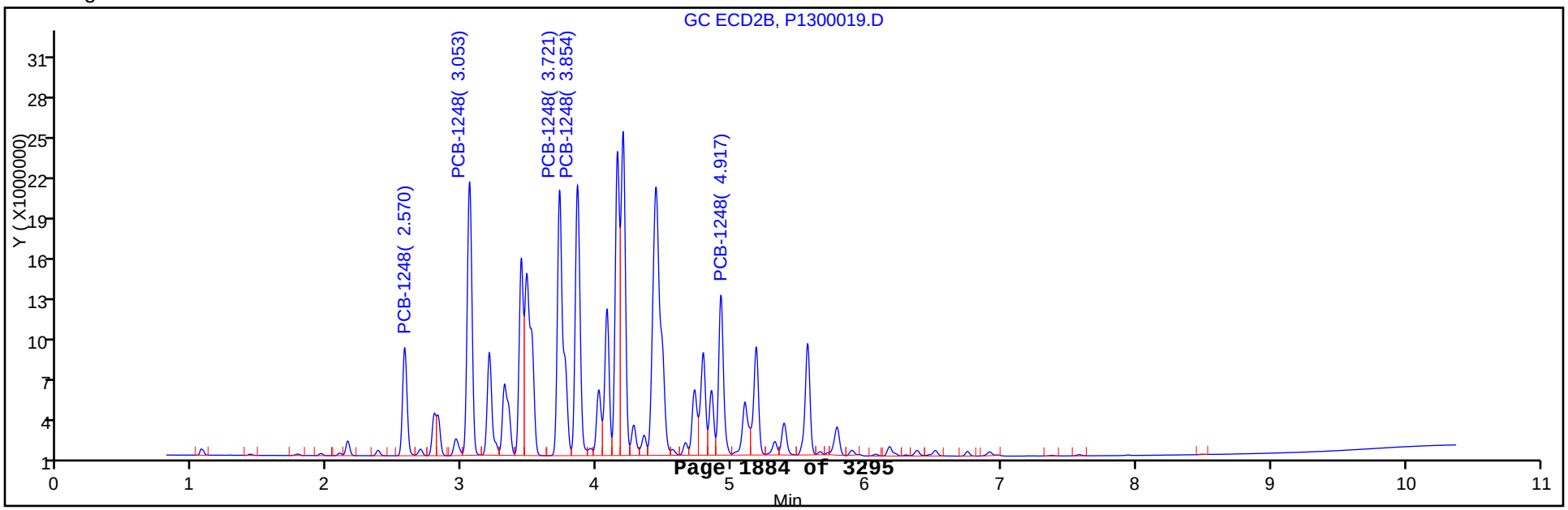
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300019.D

Injection Date:	21-Oct-2012 20:52:10	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	19
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300020.D		
Lims ID:	STD2 1248	Client ID:	
Inject. Date:	21-Oct-2012 21:07:05	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	240-0014228-020		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 ul	ALS Bottle#:	20
Lims Batch ID:	62068	Lims Sample ID:	20
Sublist:	chrom-PCB13*sub9		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m		
Last Update:	22-Oct-2012 09:18:21	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK013		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.898	1.895	0.003	48136898	1.59		100.0	
1	2	2.323	2.319	0.004	141940688	1.66	252.8- 302.8	294.9	
1	3	2.867	2.866	0.001	148998259	1.62	276.3- 326.3	309.5	
1	4	3.491	3.489	0.002	89567507	1.71	147.9- 197.9	186.1	
1	5	3.956	3.955	0.001	78344020	1.71	126.1- 176.1	162.8	
			Average of Peak Amounts =			1.66			
2	6	2.572	2.570	0.002	31723638	1.66		100.0	
2	7	3.053	3.053	0.000	86579334	1.76	225.1- 285.1	272.9	
2	8	3.721	3.719	0.002	102769872	1.70	285.5- 345.5	324.0	
2	9	3.854	3.853	0.001	87113870	1.75	227.4- 287.4	274.6	
2	10	4.919	4.916	0.003	52631215	1.76	126.6- 186.6	165.9	
			Average of Peak Amounts =			1.73			
						RPD = 3.96			

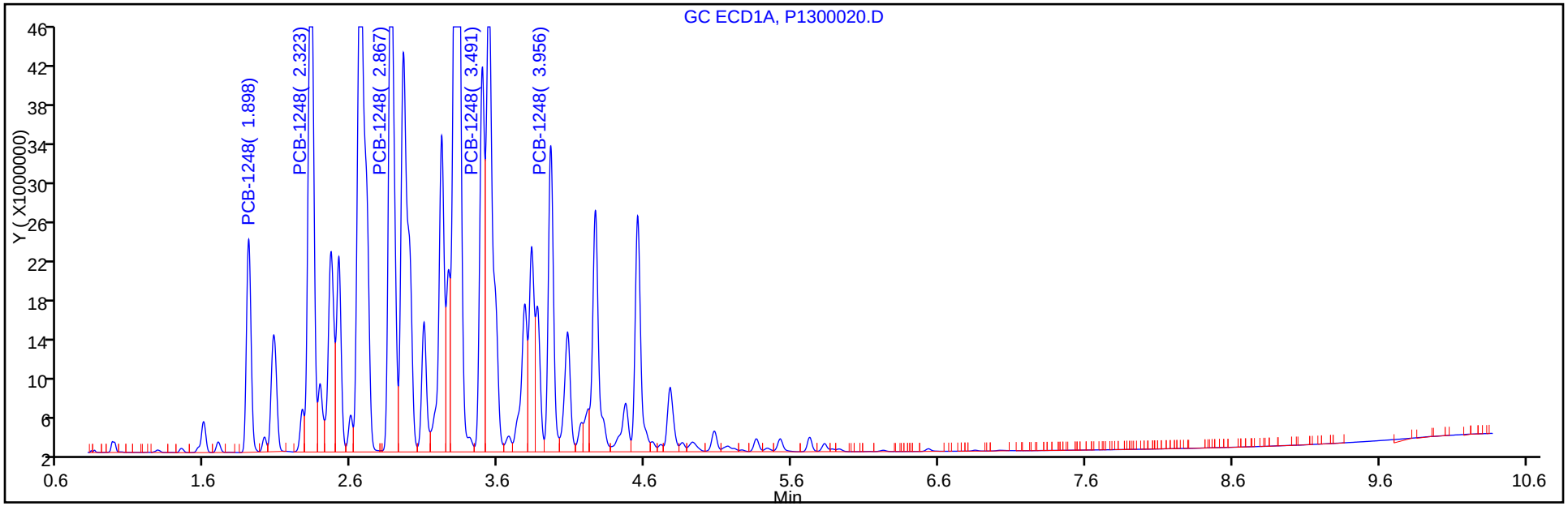
Report Date: 22-Oct-2012 09:18:22 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

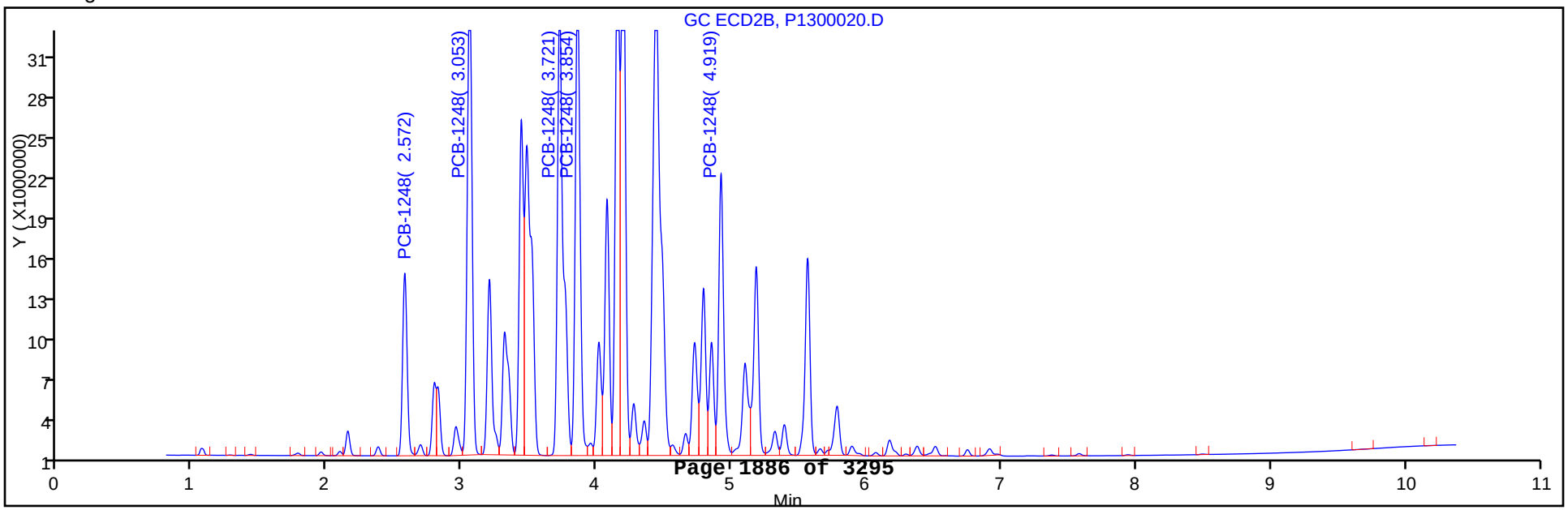
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300020.D

Injection Date:	21-Oct-2012 21:07:05	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	20
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 19:52 Calibration End Date: 10/21/2012 21:07 Calibration ID: 12025

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/15	P1300015.D
Level 2	STD01 240-62068/16	P1300016.D
Level 3	STD02 240-62068/17	P1300017.D
Level 4	STD05 240-62068/18	P1300018.D
Level 5	STD1 240-62068/19	P1300019.D
Level 6	STD2 240-62068/20	P1300020.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1248 Peak 1	2.570	2.569	2.570	2.570	2.570	2.572					2.520 - 2.620	2.570
PCB-1248 Peak 2	3.053	3.052	3.052	3.052	3.053	3.053					3.003 - 3.103	3.053
PCB-1248 Peak 3	3.719	3.720	3.721	3.720	3.721	3.721					3.669 - 3.769	3.720
PCB-1248 Peak 4	3.853	3.853	3.853	3.854	3.854	3.854					3.803 - 3.903	3.854
PCB-1248 Peak 5	4.916	4.918	4.917	4.918	4.917	4.919					4.866 - 4.966	4.918

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 19:52 Calibration End Date: 10/21/2012 21:07 Calibration ID: 12025

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/15	P1300015.D
Level 2	STD01 240-62068/16	P1300016.D
Level 3	STD02 240-62068/17	P1300017.D
Level 4	STD05 240-62068/18	P1300018.D
Level 5	STD1 240-62068/19	P1300019.D
Level 6	STD2 240-62068/20	P1300020.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
PCB-1248 Peak 1	22344560 18764890	20829820 15861819	19468045	17709532	Ave		19163111.0				12.0		20.0			
PCB-1248 Peak 2	54073620 50161615	51714370 43289667	49666150	46680380	Ave		49264300.3				7.7		20.0			
PCB-1248 Peak 3	69246240 59878771	64444590 51384936	61412725	56476740	Ave		60474000.3				10.0		20.0			
PCB-1248 Peak 4	54652180 50492707	52250990 43556935	50102585	47199194	Ave		49709098.5				7.8		20.0			
PCB-1248 Peak 5	32739580 30146724	31361480 26315608	30491225	28223656	Ave		29879712.1				7.7		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 19:52 Calibration End Date: 10/21/2012 21:07 Calibration ID: 12025

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/15	P1300015.D
Level 2	STD01 240-62068/16	P1300016.D
Level 3	STD02 240-62068/17	P1300017.D
Level 4	STD05 240-62068/18	P1300018.D
Level 5	STD1 240-62068/19	P1300019.D
Level 6	STD2 240-62068/20	P1300020.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1248 Peak 1	Ave	1117228 31723638	2082982	3893609	8854766	18764890	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 2	Ave	2703681 86579334	5171437	9933230	23340190	50161615	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 3	Ave	3462312 102769872	6444459	12282545	28238370	59878771	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 4	Ave	2732609 87113870	5225099	10020517	23599597	50492707	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 5	Ave	1636979 52631215	3136148	6098245	14111828	30146724	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300015.D		
Lims ID:	STD005 1248	Client ID:	
Inject. Date:	21-Oct-2012 19:52:26	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	240-0014228-015		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 ul	ALS Bottle#:	15
Lims Batch ID:	62068	Lims Sample ID:	15
Sublist:	chrom-PCB13*sub9		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m		
Last Update:	22-Oct-2012 09:18:29	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK013		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.895	1.895	0.000	1781352	0.0587		100.0	
1	2	2.319	2.319	0.000	4854997	0.0568	252.8- 302.8	272.5	
1	3	2.866	2.866	0.000	5244964	0.0572	276.3- 326.3	294.4	
1	4	3.489	3.489	0.000	2879448	0.0551	147.9- 197.9	161.6	
1	5	3.955	3.955	0.000	2490959	0.0543	126.1- 176.1	139.8	
			Average of Peak Amounts =			0.0564			
2	6	2.570	2.570	0.000	1117228	0.0583		100.0	
2	7	3.053	3.053	0.000	2703681	0.0549	225.1- 285.1	242.0	
2	8	3.719	3.719	0.000	3462312	0.0573	285.5- 345.5	309.9	
2	9	3.853	3.853	0.000	2732609	0.0550	227.4- 287.4	244.6	
2	10	4.916	4.916	0.000	1636979	0.0548	126.6- 186.6	146.5	
			Average of Peak Amounts =			0.0560			
						RPD = 0.65			

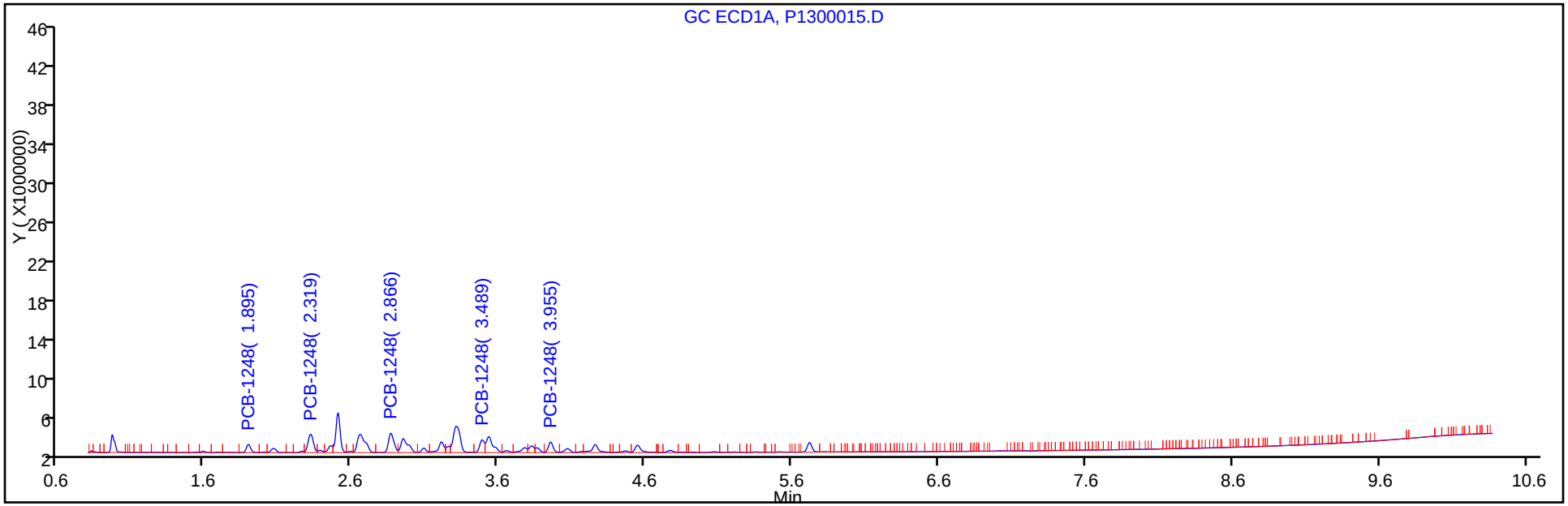
Report Date: 22-Oct-2012 09:18:30 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

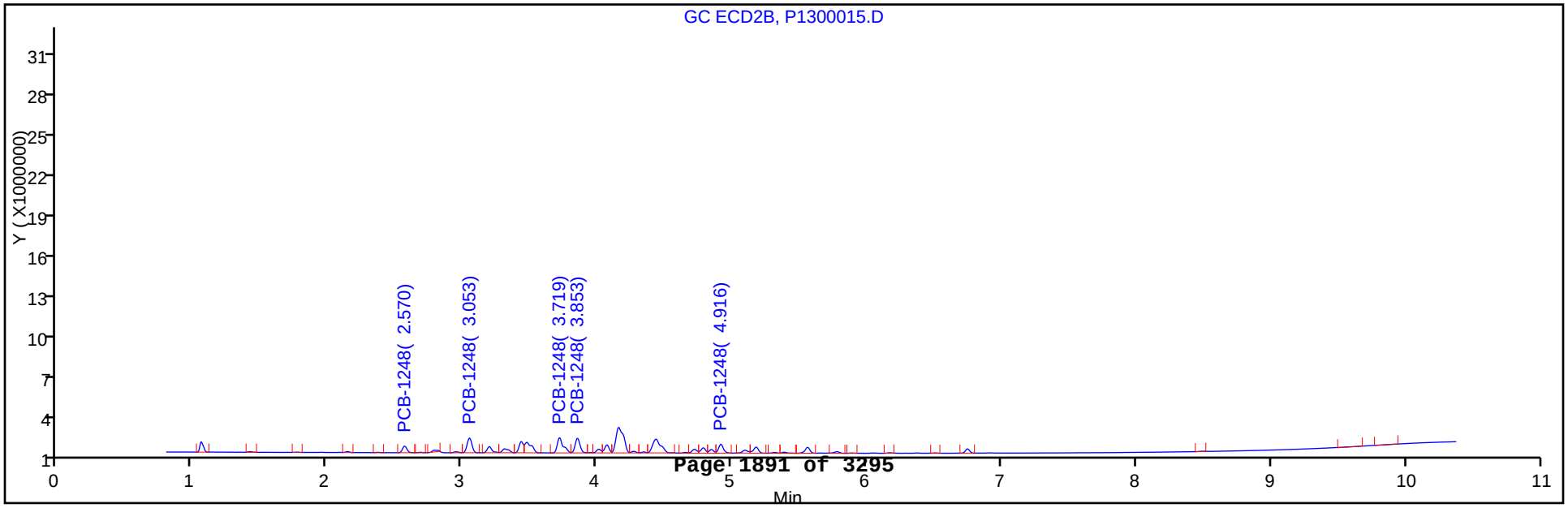
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300015.D

Injection Date:	21-Oct-2012 19:52:26	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	15
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300016.D		
Lims ID:	STD01 1248	Client ID:	
Inject. Date:	21-Oct-2012 20:07:20	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	240-0014228-016		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 ul	ALS Bottle#:	16
Lims Batch ID:	62068	Lims Sample ID:	16
Sublist:	chrom-PCB13*sub9		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m		
Last Update:	22-Oct-2012 09:18:28	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK013		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.894	1.895	-0.001	3353686	0.1105		100.0	
1	2	2.320	2.319	0.001	9210279	0.1077	252.8- 302.8	274.6	
1	3	2.866	2.866	0.000	9964737	0.1086	276.3- 326.3	297.1	
1	4	3.488	3.489	-0.001	5514946	0.1055	147.9- 197.9	164.4	
1	5	3.955	3.955	0.000	4752862	0.1036	126.1- 176.1	141.7	
			Average of Peak Amounts =			0.1072			
2	6	2.569	2.570	-0.001	2082982	0.1087		100.0	
2	7	3.052	3.053	-0.001	5171437	0.1050	225.1- 285.1	248.3	
2	8	3.720	3.719	0.001	6444459	0.1066	285.5- 345.5	309.4	
2	9	3.853	3.853	0.000	5225099	0.1051	227.4- 287.4	250.8	
2	10	4.918	4.916	0.002	3136148	0.1050	126.6- 186.6	150.6	
			Average of Peak Amounts =			0.1061			
						RPD = 1.06			

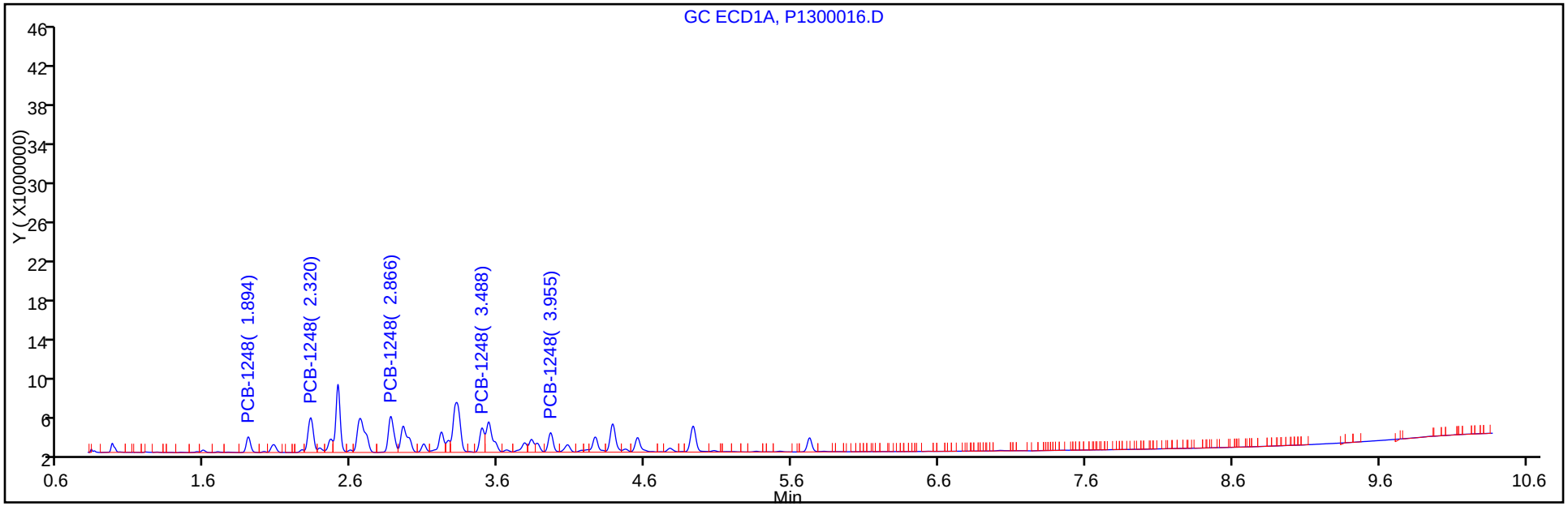
Report Date: 22-Oct-2012 09:18:28 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

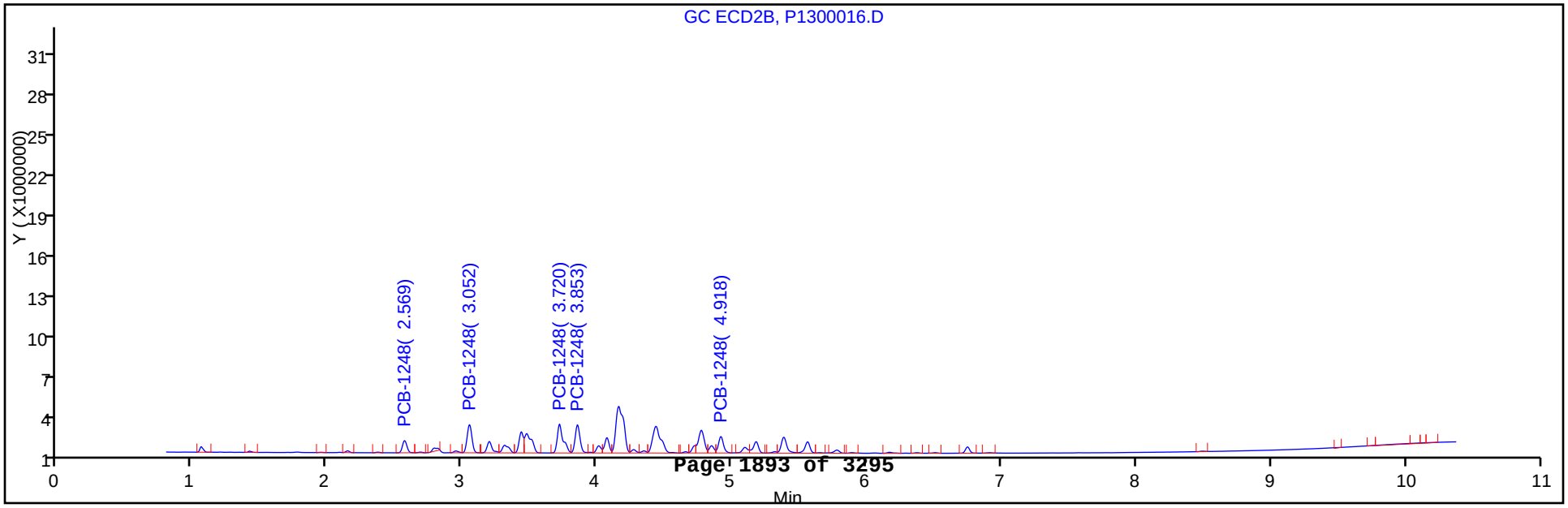
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300016.D

Injection Date:	21-Oct-2012 20:07:20	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	16
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300017.D		
Lims ID:	STD02 1248	Client ID:	
Inject. Date:	21-Oct-2012 20:22:16	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	240-0014228-017		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 ul	ALS Bottle#:	17
Lims Batch ID:	62068	Lims Sample ID:	17
Sublist:	chrom-PCB13*sub9		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m		
Last Update:	22-Oct-2012 09:18:26	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK013		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.895	1.895	0.000	6291316	0.2072		100.0	
1	2	2.320	2.319	0.001	17478839	0.2044	252.8- 302.8	277.8	
1	3	2.865	2.866	-0.001	18956690	0.2067	276.3- 326.3	301.3	
1	4	3.488	3.489	-0.001	10879470	0.2082	147.9- 197.9	172.9	
1	5	3.956	3.955	0.001	9507796	0.2073	126.1- 176.1	151.1	
			Average of Peak Amounts =			0.2067			
2	6	2.570	2.570	0.000	3893609	0.2032		100.0	
2	7	3.052	3.053	-0.001	9933230	0.2016	225.1- 285.1	255.1	
2	8	3.721	3.719	0.002	12282545	0.2031	285.5- 345.5	315.5	
2	9	3.853	3.853	0.000	10020517	0.2016	227.4- 287.4	257.4	
2	10	4.917	4.916	0.001	6098245	0.2041	126.6- 186.6	156.6	
			Average of Peak Amounts =			0.2027			
						RPD = 1.97			

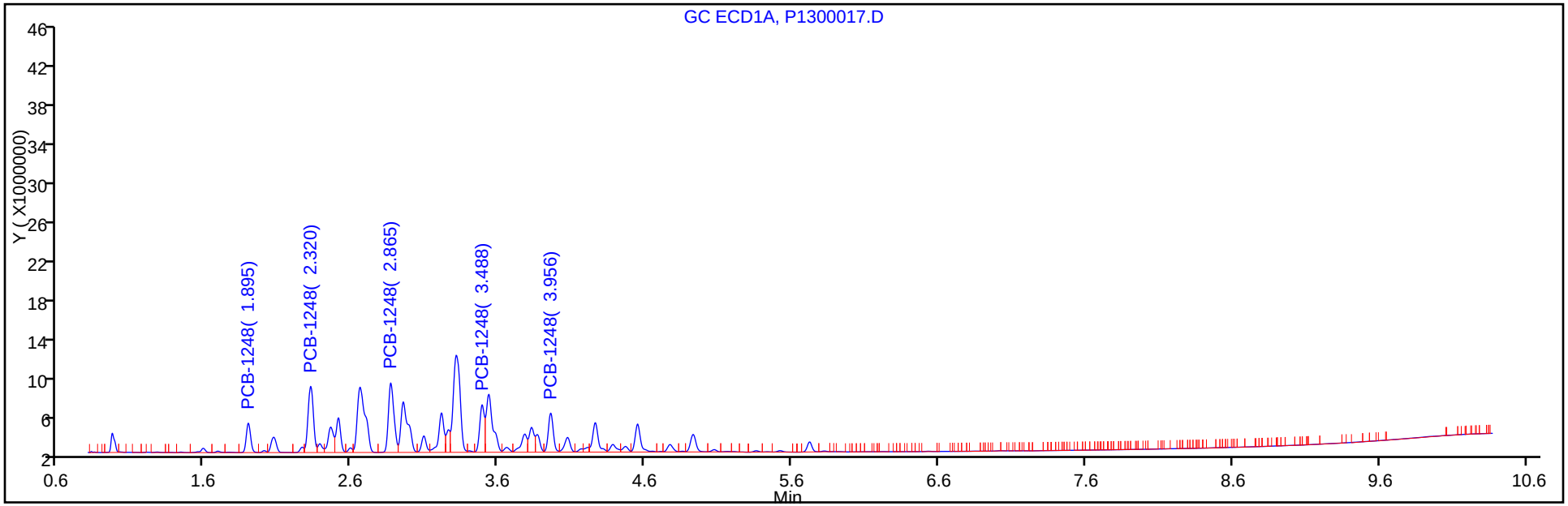
Report Date: 22-Oct-2012 09:18:27 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

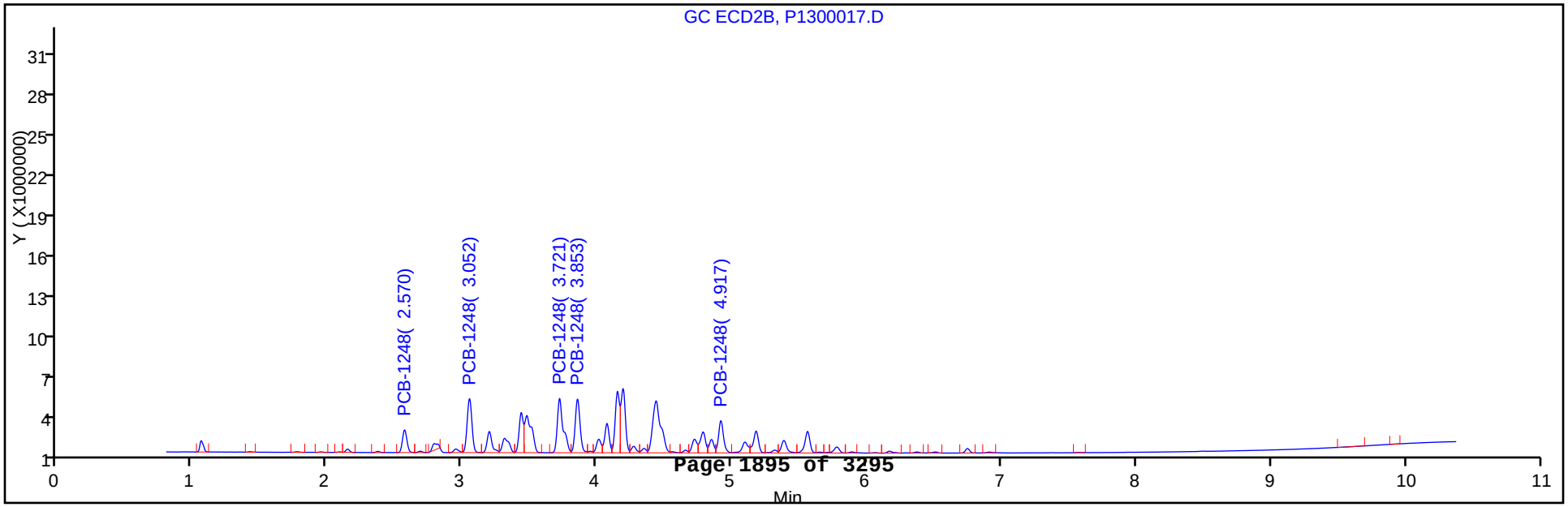
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300017.D

Injection Date:	21-Oct-2012 20:22:16	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	17
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300018.D
Lims ID: STD05 1248 Client ID:
Inject. Date: 21-Oct-2012 20:37:10 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0014228-018
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 18
Lims Batch ID: 62068 Lims Sample ID: 18
Sublist: chrom-PCB13*sub9
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:25 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.895	1.895	0.000	14170120	0.4667		100.0	
1	2	2.320	2.319	0.001	40437894	0.4729	252.8- 302.8	285.4	
1	3	2.865	2.866	-0.001	43324001	0.4723	276.3- 326.3	305.7	
1	4	3.488	3.489	-0.001	24987649	0.4781	147.9- 197.9	176.3	
1	5	3.955	3.955	0.000	22507046	0.4906	126.1- 176.1	158.8	
			Average of Peak Amounts =			0.4761			
2	6	2.570	2.570	0.000	8854766	0.4621		100.0	
2	7	3.052	3.053	-0.001	23340190	0.4738	225.1- 285.1	263.6	
2	8	3.720	3.719	0.001	28238370	0.4670	285.5- 345.5	318.9	
2	9	3.854	3.853	0.001	23599597	0.4748	227.4- 287.4	266.5	
2	10	4.918	4.916	0.002	14111828	0.4723	126.6- 186.6	159.4	
			Average of Peak Amounts =			0.4700			
						RPD = 1.31			

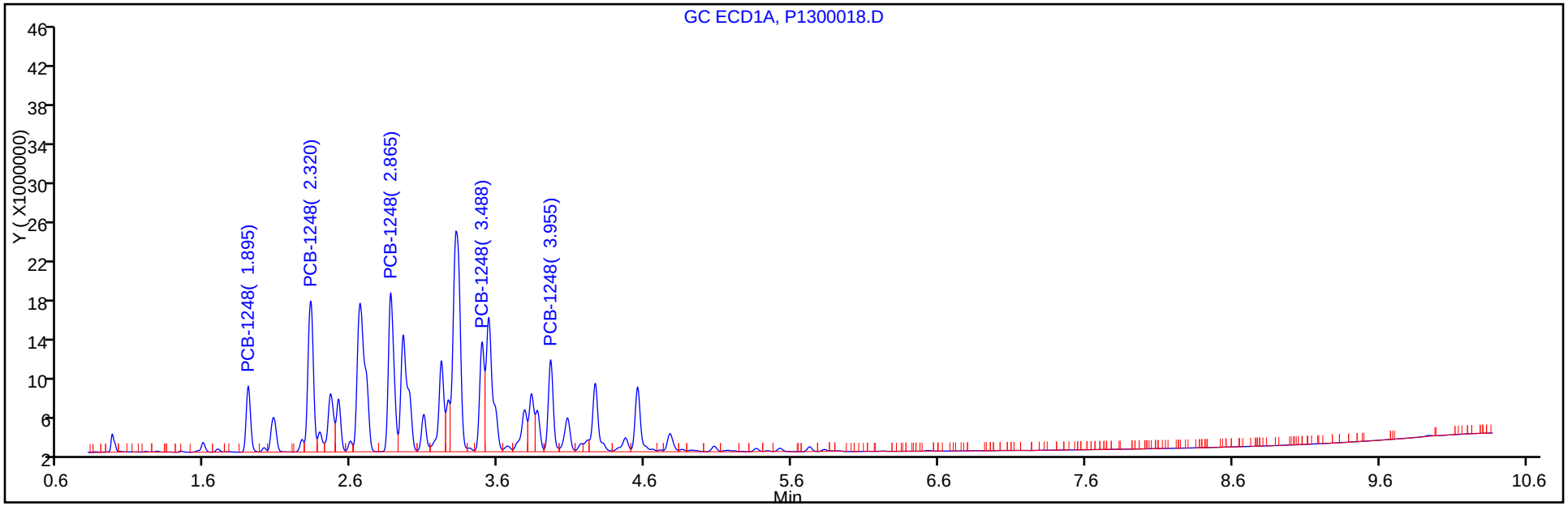
Report Date: 22-Oct-2012 09:18:25 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

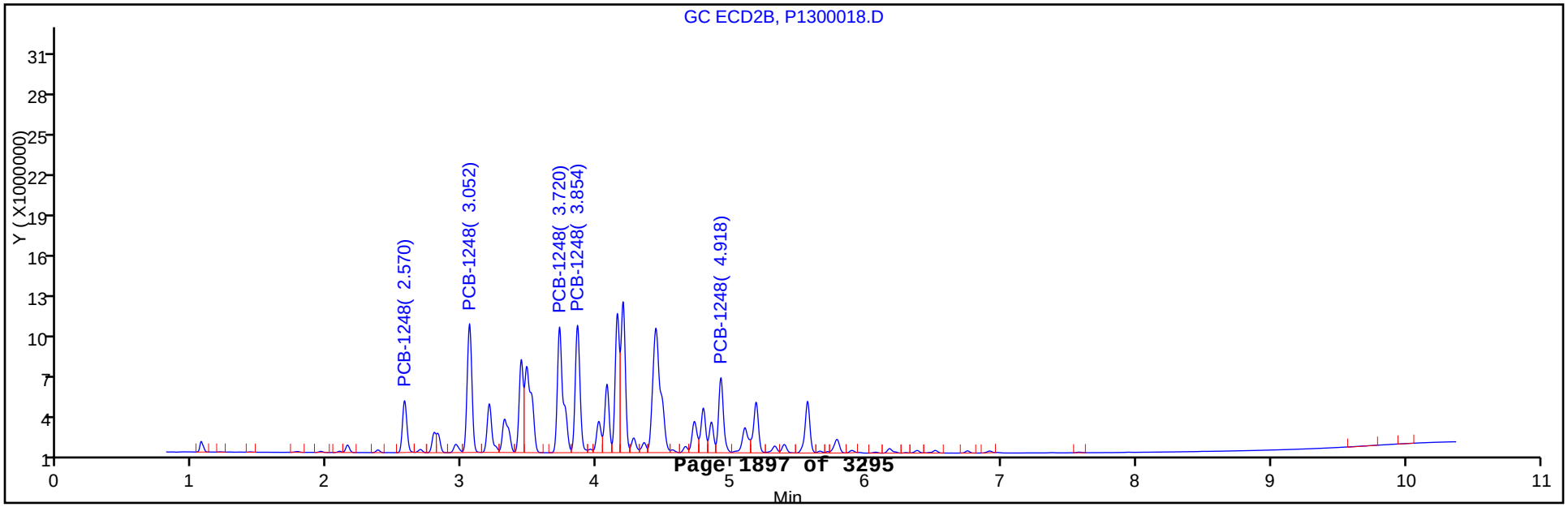
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300018.D

Injection Date:	21-Oct-2012 20:37:10	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	18
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300019.D		
Lims ID:	STD1 1248	Client ID:	
Inject. Date:	21-Oct-2012 20:52:10	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	240-0014228-019		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 ul	ALS Bottle#:	19
Lims Batch ID:	62068	Lims Sample ID:	19
Sublist:	chrom-PCB13*sub9		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m		
Last Update:	22-Oct-2012 09:18:23	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK013		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.896	1.895	0.001	29135388	0.9596		100.0	
1	2	2.321	2.319	0.002	84632106	0.9897	252.8- 302.8	290.5	
1	3	2.867	2.866	0.001	89853545	0.9796	276.3- 326.3	308.4	
1	4	3.489	3.489	0.000	51679145	0.9888	147.9- 197.9	177.4	
1	5	3.956	3.955	0.001	46162000	1.01	126.1- 176.1	158.4	
			Average of Peak Amounts =			0.9848			
2	6	2.570	2.570	0.000	18764890	0.9792		100.0	
2	7	3.053	3.053	0.000	50161615	1.02	225.1- 285.1	267.3	
2	8	3.721	3.719	0.002	59878771	0.99	285.5- 345.5	319.1	
2	9	3.854	3.853	0.001	50492707	1.02	227.4- 287.4	269.1	
2	10	4.917	4.916	0.001	30146724	1.01	126.6- 186.6	160.7	
			Average of Peak Amounts =			1.00			
						RPD = 1.77			

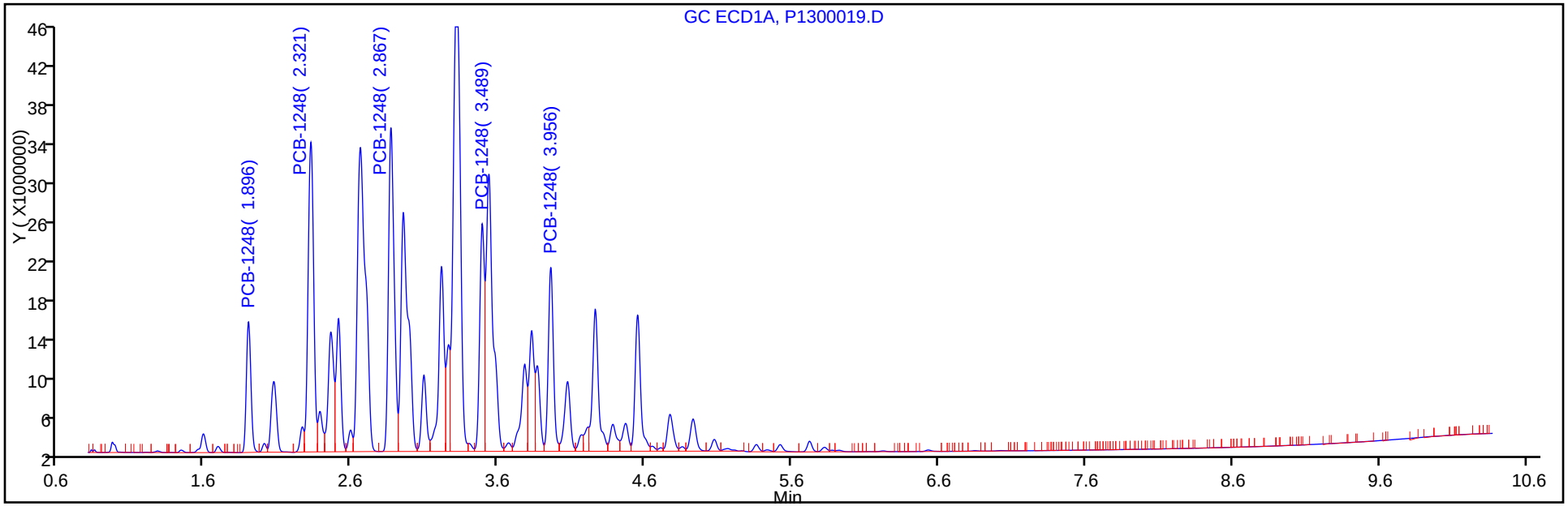
Report Date: 22-Oct-2012 09:18:24 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

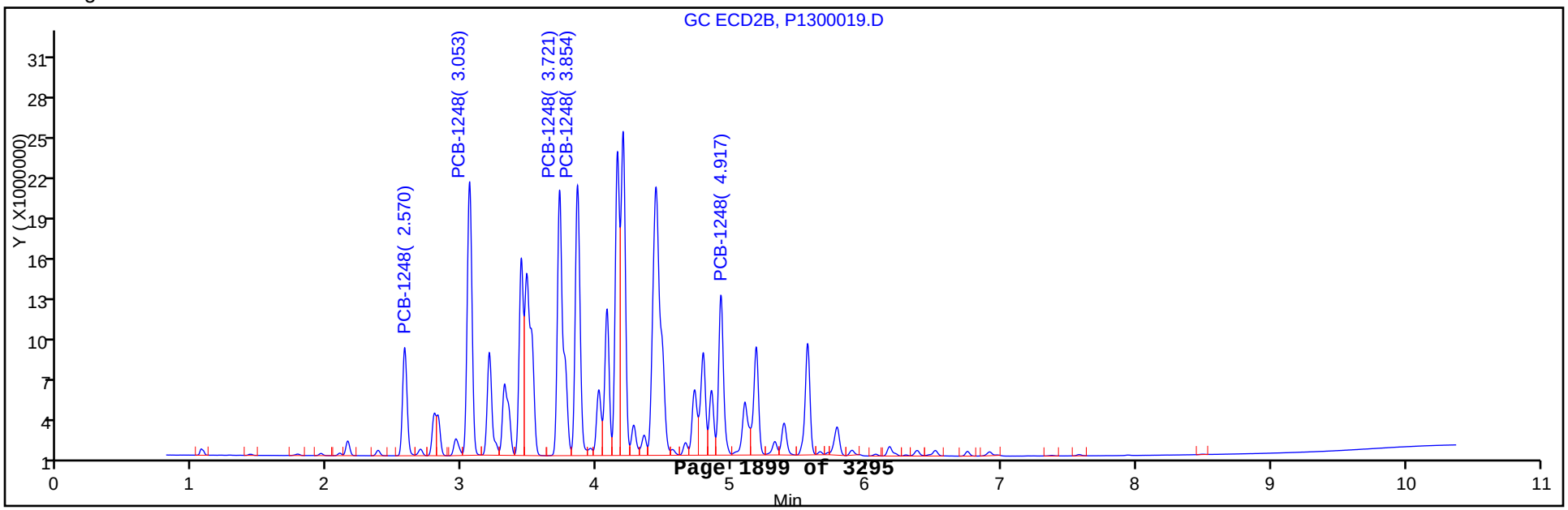
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300019.D

Injection Date:	21-Oct-2012 20:52:10	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	19
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300020.D
Lims ID: STD2 1248 Client ID:
Inject. Date: 21-Oct-2012 21:07:05 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 240-0014228-020
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 20
Lims Batch ID: 62068 Lims Sample ID: 20
Sublist: chrom-PCB13*sub9
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:21 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.898	1.895	0.003	48136898	1.59		100.0	
1	2	2.323	2.319	0.004	141940688	1.66	252.8- 302.8	294.9	
1	3	2.867	2.866	0.001	148998259	1.62	276.3- 326.3	309.5	
1	4	3.491	3.489	0.002	89567507	1.71	147.9- 197.9	186.1	
1	5	3.956	3.955	0.001	78344020	1.71	126.1- 176.1	162.8	
			Average of Peak Amounts =			1.66			
2	6	2.572	2.570	0.002	31723638	1.66		100.0	
2	7	3.053	3.053	0.000	86579334	1.76	225.1- 285.1	272.9	
2	8	3.721	3.719	0.002	102769872	1.70	285.5- 345.5	324.0	
2	9	3.854	3.853	0.001	87113870	1.75	227.4- 287.4	274.6	
2	10	4.919	4.916	0.003	52631215	1.76	126.6- 186.6	165.9	
			Average of Peak Amounts =			1.73			
						RPD = 3.96			

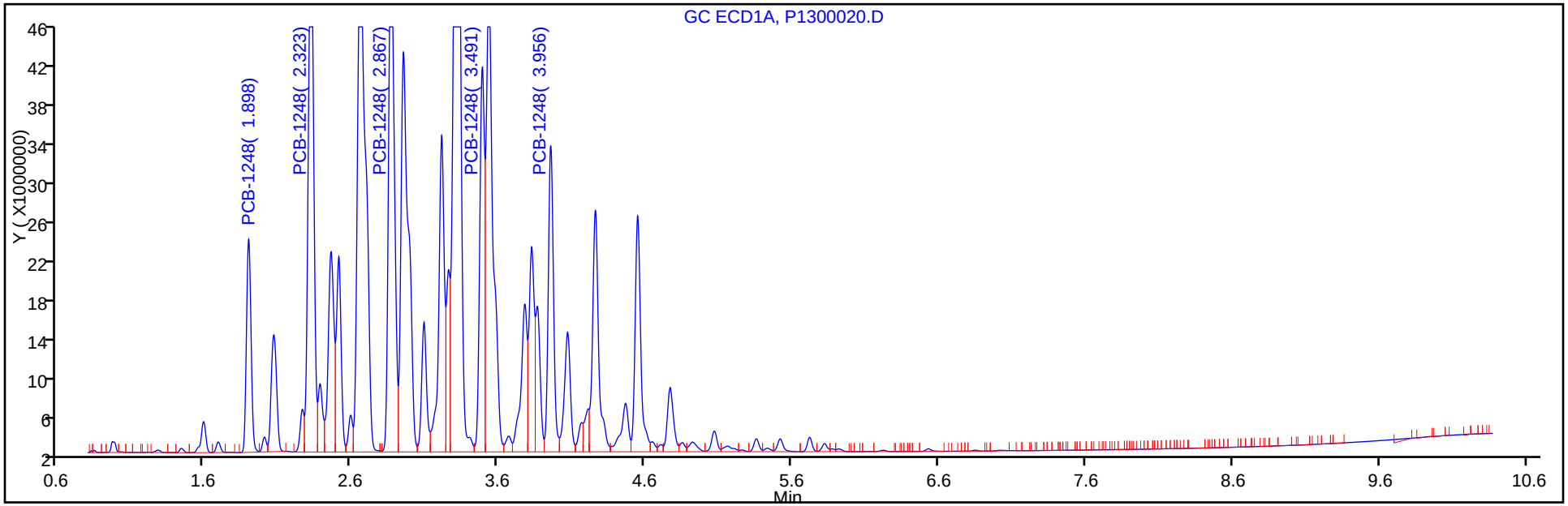
Report Date: 22-Oct-2012 09:18:22 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

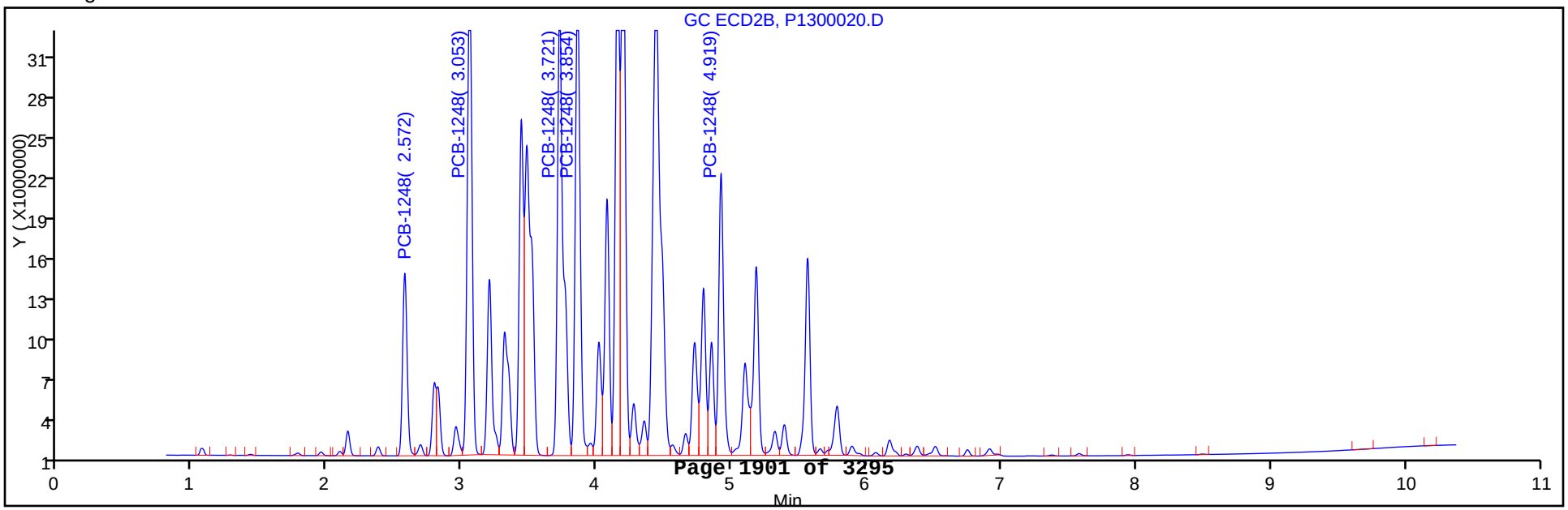
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300020.D

Injection Date:	21-Oct-2012 21:07:05	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	20
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 21:21 Calibration End Date: 10/21/2012 22:36 Calibration ID: 12030

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/21	P1300021.D
Level 2	STD01 240-62068/22	P1300022.D
Level 3	STD02 240-62068/23	P1300023.D
Level 4	STD05 240-62068/24	P1300024.D
Level 5	STD1 240-62068/25	P1300025.D
Level 6	STD2 240-62068/26	P1300026.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1221 Peak 1	1.435	1.435	1.435	1.435	1.436	1.435					1.385 - 1.485	1.435
PCB-1221 Peak 2	1.554	1.554	1.555	1.559	1.558	1.555					1.504 - 1.604	1.556
PCB-1221 Peak 3	1.586	1.587	1.586	1.587	1.586	1.587					1.536 - 1.636	1.587
PCB-1254 Peak 1	3.541	3.541	3.541	3.542	3.541	3.541					3.491 - 3.591	3.541
PCB-1254 Peak 2	3.956	3.956	3.955	3.956	3.956	3.955					3.906 - 4.006	3.956
PCB-1254 Peak 3	4.259	4.260	4.259	4.260	4.258	4.258					4.209 - 4.309	4.259
PCB-1254 Peak 4	4.467	4.468	4.466	4.467	4.466	4.466					4.417 - 4.517	4.467
PCB-1254 Peak 5	4.768	4.770	4.767	4.769	4.768	4.768					4.718 - 4.818	4.768

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 21:21 Calibration End Date: 10/21/2012 22:36 Calibration ID: 12030

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/21	P1300021.D
Level 2	STD01 240-62068/22	P1300022.D
Level 3	STD02 240-62068/23	P1300023.D
Level 4	STD05 240-62068/24	P1300024.D
Level 5	STD1 240-62068/25	P1300025.D
Level 6	STD2 240-62068/26	P1300026.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
PCB-1221 Peak 1	25276500 19416966	23589510 18376366	22146085	20859736	Ave		21610860.4				12.0		20.0			
PCB-1221 Peak 2	10506480 7440731	8390410 5964105	11072690	8799626	Qua	171636.332	8985050.25	-1560510.2						0.9980		0.9900
PCB-1221 Peak 3	69505760 49419050	65556860 46496770	57187385	53780986	Ave		56991135.2				16.0		20.0			
PCB-1254 Peak 1	155832800 120561612	123644400 114823635	135522475	128741102	Ave		129854337				11.0		20.0			
PCB-1254 Peak 2	165456440 131664859	136186960 125070332	145826905	139441684	Ave		140607863				10.0		20.0			
PCB-1254 Peak 3	133257220 110520159	100857590 105098997	121885025	115820590	Ave		114573263				10.0		20.0			
PCB-1254 Peak 4	112188460 92256552	98765440 87399898	101505340	97555316	Ave		98278500.9				8.6		20.0			
PCB-1254 Peak 5	162268680 134779062	133284940 127632578	147858510	142074056	Ave		141316304				8.8		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 21:21 Calibration End Date: 10/21/2012 22:36 Calibration ID: 12030

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/21	P1300021.D
Level 2	STD01 240-62068/22	P1300022.D
Level 3	STD02 240-62068/23	P1300023.D
Level 4	STD05 240-62068/24	P1300024.D
Level 5	STD1 240-62068/25	P1300025.D
Level 6	STD2 240-62068/26	P1300026.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1221 Peak 1	Ave	1263825 36752731	2358951	4429217	10429868	19416966	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1221 Peak 2	Qua	525324 11928209	839041	2214538	4399813	7440731	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1221 Peak 3	Ave	3475288 92993540	6555686	11437477	26890493	49419050	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 1	Ave	7791640 229647270	12364440	27104495	64370551	120561612	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 2	Ave	8272822 250140664	13618696	29165381	69720842	131664859	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 3	Ave	6662861 210197993	10085759	24377005	57910295	110520159	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 4	Ave	5609423 174799795	9876544	20301068	48777658	92256552	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 5	Ave	8113434 255265155	13328494	29571702	71037028	134779062	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:

Ave = Average
Qua = Quadratic

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300021.D
Lims ID: STD005 AR2154 Client ID:
Inject. Date: 21-Oct-2012 21:21:59 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0014228-021
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 21
Lims Batch ID: 62068 Lims Sample ID: 21
Sublist: chrom-PCB13*sub6
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:20 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:04:40

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									M
1	2	1.435	1.435	0.000	1263825	0.0585		100.0	
1	3	1.554	1.554	0.000	525324	0.0396	25.0- 75.0	41.6	M
1	4	1.586	1.586	0.000	3475288	0.0610	233.2- 283.2	275.0	M
			Average of Peak Amounts =			0.0530			
2	4	1.948	1.948	0.000	767886	0.0580		100.0	
2	5	2.088	2.088	0.000	526180	0.0599	37.0- 97.0	68.5	
2	6	2.148	2.148	0.000	1893329	0.0596	210.7- 270.7	246.6	
			Average of Peak Amounts =			0.0591			
						RPD = 10.91			
8 PCB-1254									
1	100	3.541	3.541	0.000	7791640	0.0600		100.0	
1	2	3.956	3.956	0.000	8272822	0.0588	82.6- 132.6	106.2	
1	3	4.259	4.259	0.000	6662861	0.0582	64.9- 114.9	85.5	
1	4	4.467	4.467	0.000	5609423	0.0571	49.9- 99.9	72.0	
1	5	4.768	4.768	0.000	8113434	0.0574	84.1- 134.1	104.1	
			Average of Peak Amounts =			0.0583			
2	6	4.413	4.413	0.000	3272046	0.0571		100.0	
2	7	4.918	4.918	0.000	4995814	0.0563	124.0- 184.0	152.7	
2	8	5.179	5.179	0.000	3483982	0.0573	76.3- 136.3	106.5	
2	9	5.562	5.562	0.000	3718883	0.0550	87.0- 147.0	113.7	
2	10	5.779	5.779	0.000	4668113	0.0538	121.1- 181.1	142.7	
			Average of Peak Amounts =			0.0559			
						RPD = 4.16			

QC Flag Legend

Review Flags
M - Manually Integrated

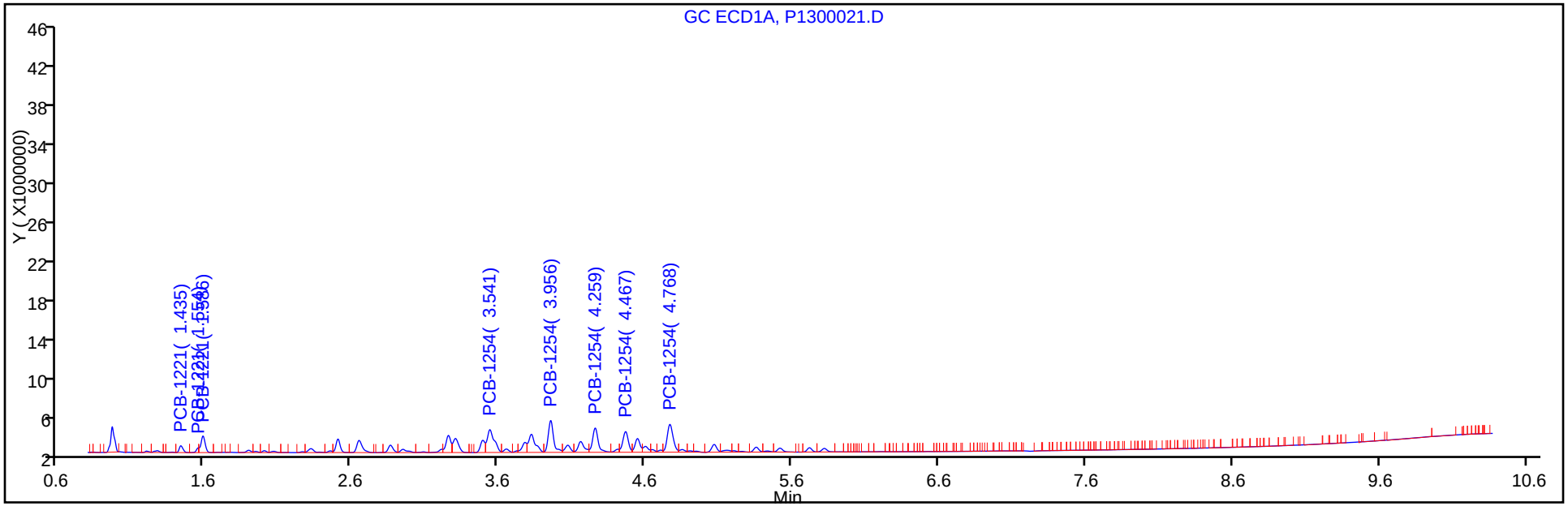
Report Date: 22-Oct-2012 09:18:21 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

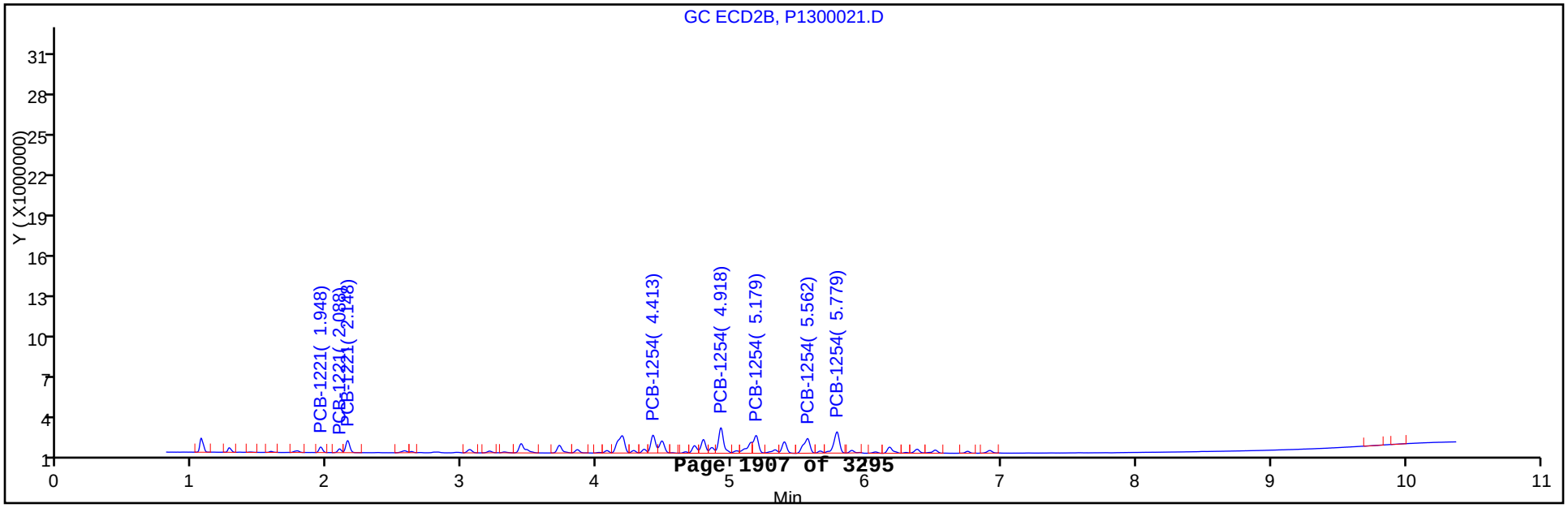
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300021.D

Injection Date:	21-Oct-2012 21:21:59	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	21
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



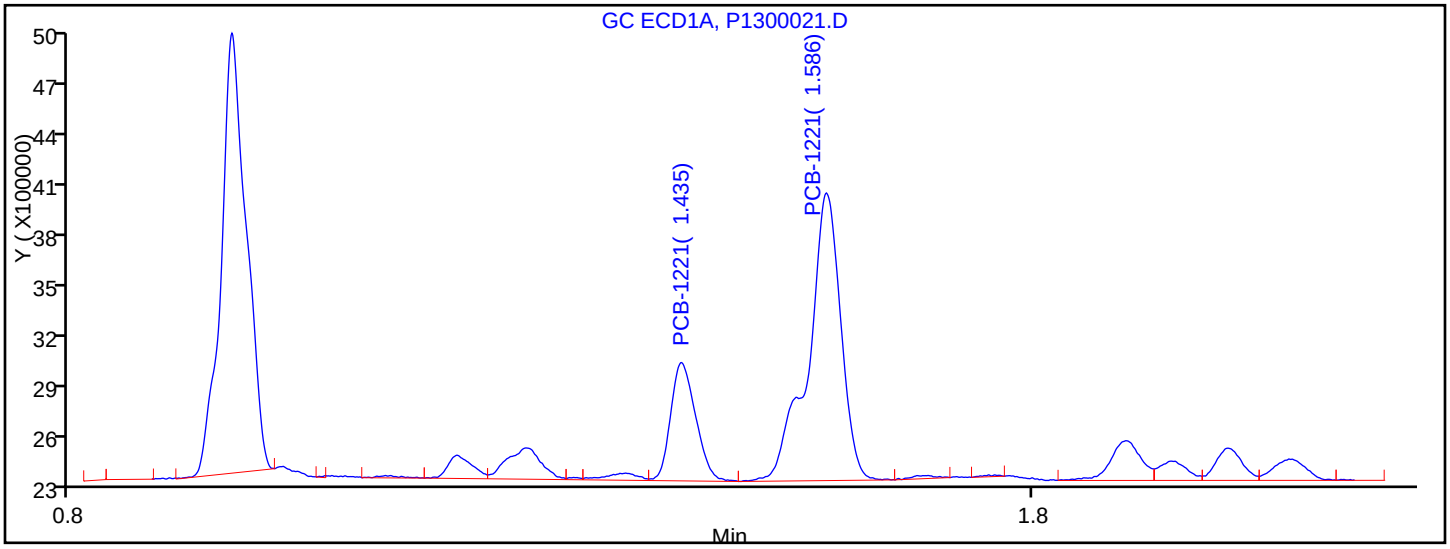
Report Date: 22-Oct-2012 09:18:21 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300021.D

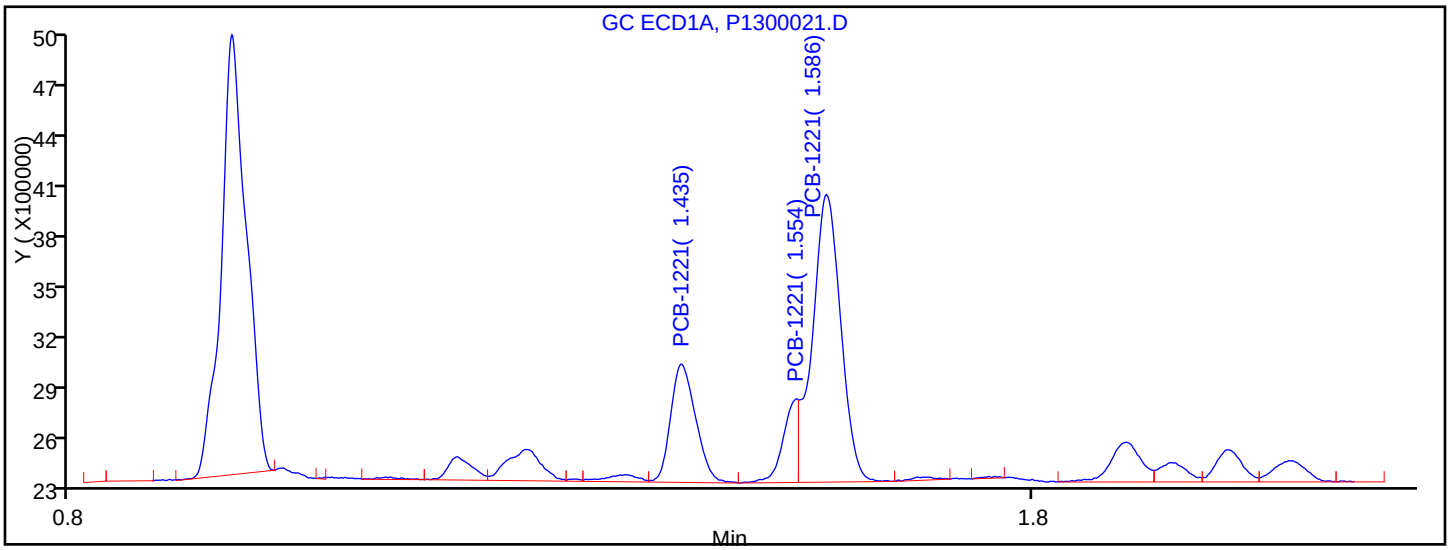
Injection Date:	21-Oct-2012 21:21:59	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	21
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

3 PCB-1221, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.435	Response = 1263825	
RT = 1.585	Response = 0	M
RT = 1.586	Response = 4000527	M



Manual Integration Results

RT = 1.435	Response = 1263825	
RT = 1.554	Response = 525324	M
RT = 1.586	Response = 3475288	M

Reviewer: hassl, 22-Oct-2012 09:04:40

Audit Action: Manually Integrated/Assigned Compound ID

Audit Reason: Split Peak

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300022.D
Lims ID: STD01 AR2154 Client ID:
Inject. Date: 21-Oct-2012 21:36:53 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0014228-022
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 22
Lims Batch ID: 62068 Lims Sample ID: 22
Sublist: chrom-PCB13*sub6
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:18 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:05:12

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									M
1	2	1.435	1.435	0.000	2358951	0.1092		100.0	
1	3	1.554	1.554	0.000	839041	0.0753	25.0- 75.0	35.6	M
1	4	1.587	1.586	0.001	6555686	0.1150	233.2- 283.2	277.9	M
			Average of Peak Amounts =			0.0998			
2	4	1.948	1.948	0.000	1450065	0.1095		100.0	
2	5	2.088	2.088	0.000	967199	0.1101	37.0- 97.0	66.7	
2	6	2.149	2.148	0.001	3453182	0.1087	210.7- 270.7	238.1	
			Average of Peak Amounts =			0.1094			
						RPD = 9.17			
8 PCB-1254									M
1	100	3.541	3.541	0.000	12364440	0.0952		100.0	
1	2	3.956	3.956	0.000	13618696	0.0969	82.6- 132.6	110.1	
1	3	4.260	4.259	0.001	10085759	0.0880	64.9- 114.9	81.6	
1	4	4.468	4.467	0.001	9876544	0.1005	49.9- 99.9	79.9	
1	5	4.770	4.768	0.002	13328494	0.0943	84.1- 134.1	107.8	
			Average of Peak Amounts =			0.0950			
2	6	4.414	4.413	0.001	6083673	0.1062		100.0	
2	7	4.918	4.918	0.000	9283736	0.1047	124.0- 184.0	152.6	
2	8	5.179	5.179	0.000	6036986	0.0993	76.3- 136.3	99.2	M
2	9	5.560	5.562	-0.002	7048523	0.1043	87.0- 147.0	115.9	
2	10	5.779	5.779	0.000	9111373	0.1049	121.1- 181.1	149.8	
			Average of Peak Amounts =			0.1039			
						RPD = 8.97			

QC Flag Legend

Review Flags
M - Manually Integrated

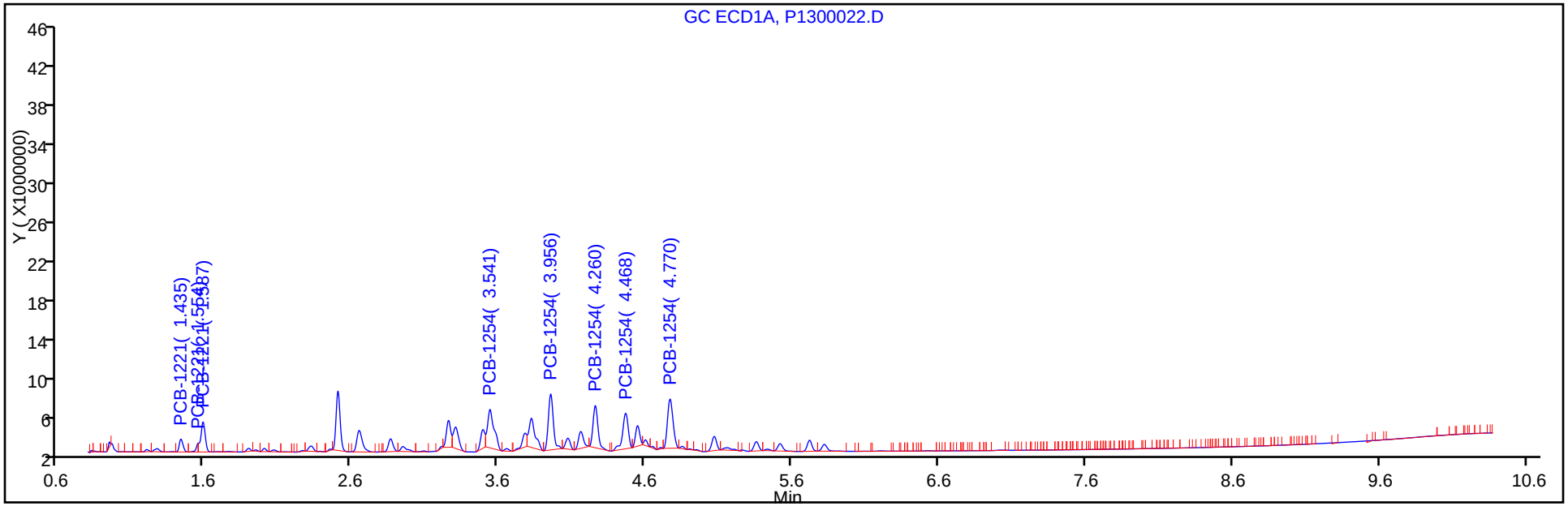
Report Date: 22-Oct-2012 09:18:19 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

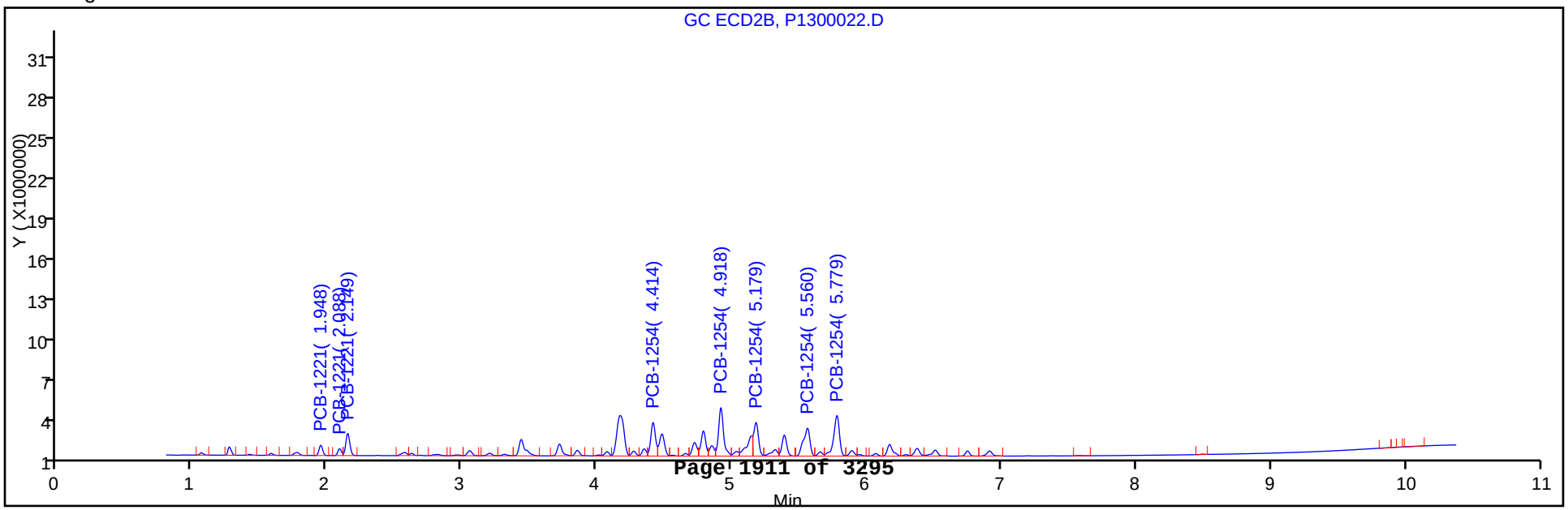
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300022.D

Injection Date:	21-Oct-2012 21:36:53	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	22
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



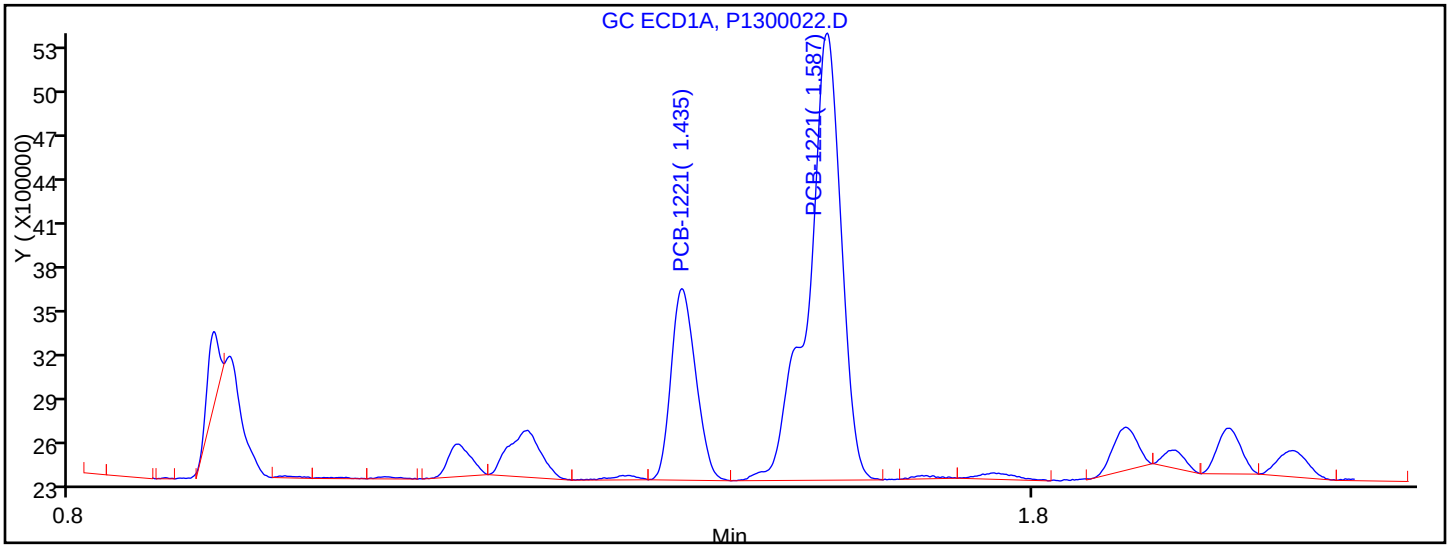
Report Date: 22-Oct-2012 09:18:19 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300022.D

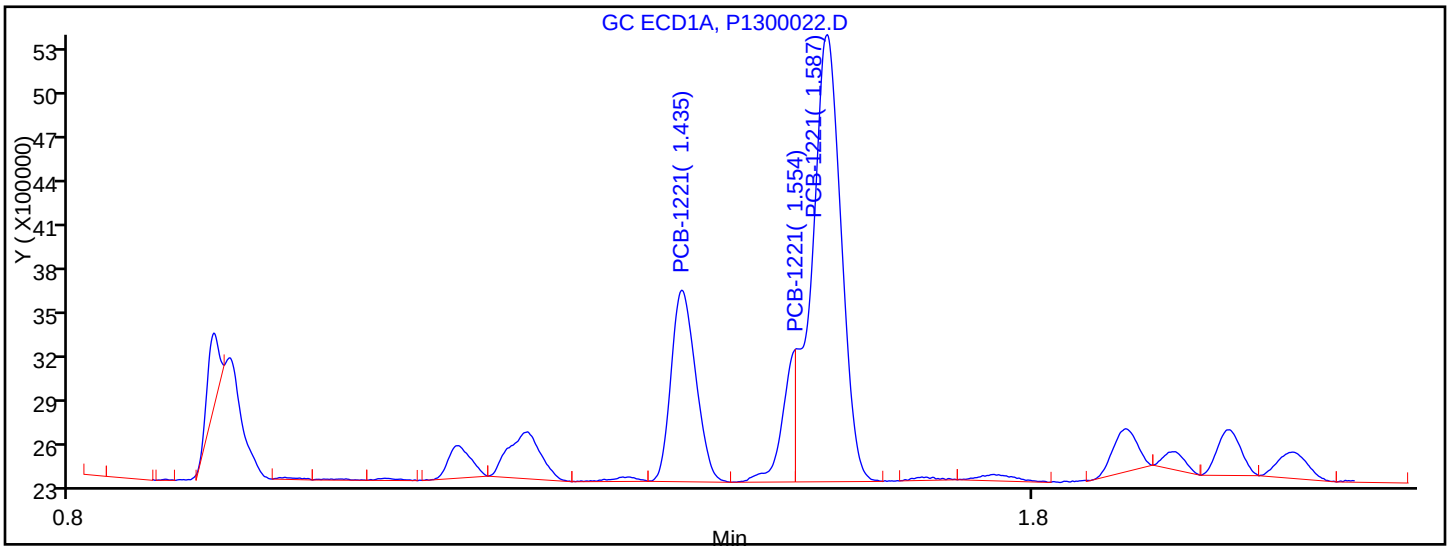
Injection Date:	21-Oct-2012 21:36:53	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	22
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

3 PCB-1221, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.435	Response = 2358951	
RT = 1.586	Response = 0	M
RT = 1.587	Response = 7394792	M



Manual Integration Results

RT = 1.435	Response = 2358951	
RT = 1.554	Response = 839041	M
RT = 1.587	Response = 6555686	M

Reviewer: hassl, 22-Oct-2012 09:05:12

Audit Action: Manually Integrated/Assigned Compound ID

Audit Reason: Split Peak

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300023.D
Lims ID: STD02 AR2154 Client ID:
Inject. Date: 21-Oct-2012 21:51:47 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0014228-023
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 23
Lims Batch ID: 62068 Lims Sample ID: 23
Sublist: chrom-PCB13*sub6
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:17 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:05:56

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									M
1	2	1.435	1.435	0.000	4429217	0.2050		100.0	
1	3	1.555	1.554	0.001	2214538	0.2371	25.0- 75.0	50.0	M
1	4	1.586	1.586	0.000	11437477	0.2007	233.2- 283.2	258.2	M
			Average of Peak Amounts =			0.2143			
2	4	1.947	1.948	-0.001	2669812	0.2015		100.0	
2	5	2.087	2.088	-0.001	1788151	0.2035	37.0- 97.0	67.0	
2	6	2.147	2.148	-0.001	6425697	0.2022	210.7- 270.7	240.7	
			Average of Peak Amounts =			0.2024			
						RPD = 5.67			
8 PCB-1254									M
1	100	3.541	3.541	0.000	27104495	0.2087		100.0	
1	2	3.955	3.956	-0.001	29165381	0.2074	82.6- 132.6	107.6	
1	3	4.259	4.259	0.000	24377005	0.2128	64.9- 114.9	89.9	
1	4	4.466	4.467	-0.001	20301068	0.2066	49.9- 99.9	74.9	
1	5	4.767	4.768	-0.001	29571702	0.2093	84.1- 134.1	109.1	
			Average of Peak Amounts =			0.2089			
2	6	4.414	4.413	0.001	11477419	0.2004		100.0	
2	7	4.917	4.918	-0.001	17676021	0.1994	124.0- 184.0	154.0	
2	8	5.177	5.179	-0.002	12195047	0.2006	76.3- 136.3	106.3	M
2	9	5.560	5.562	-0.002	13430677	0.1988	87.0- 147.0	117.0	
2	10	5.778	5.779	-0.001	17343772	0.1998	121.1- 181.1	151.1	
			Average of Peak Amounts =			0.1998			
						RPD = 4.48			

QC Flag Legend

Review Flags
M - Manually Integrated

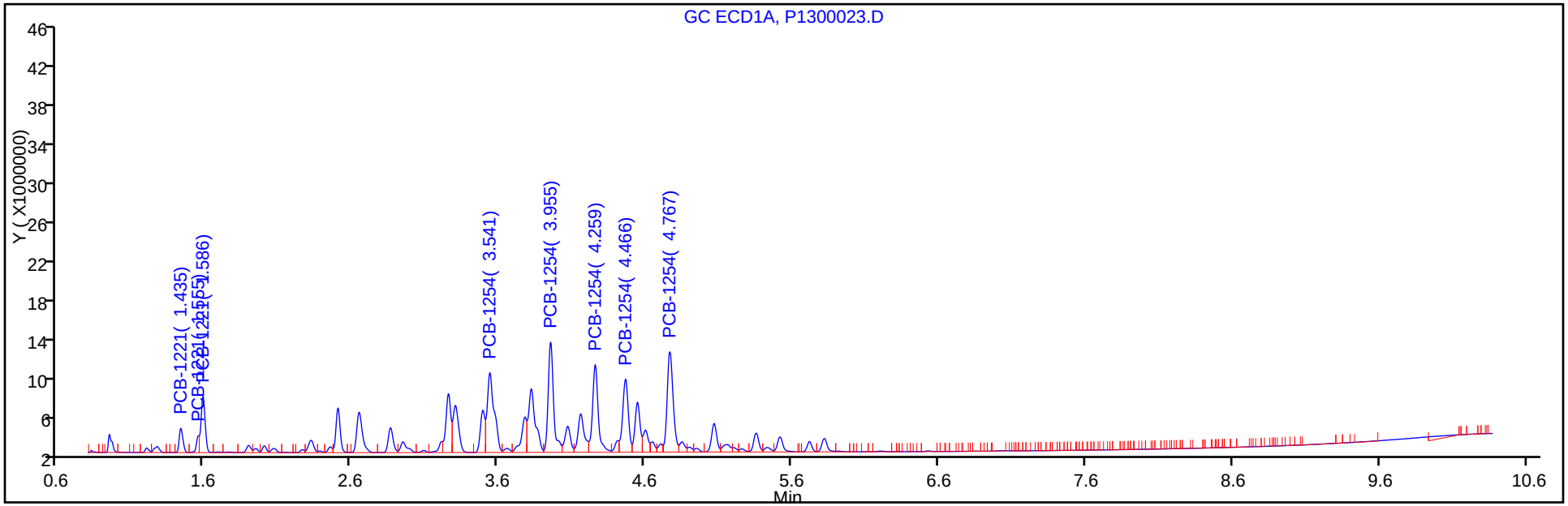
Report Date: 22-Oct-2012 09:18:18 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

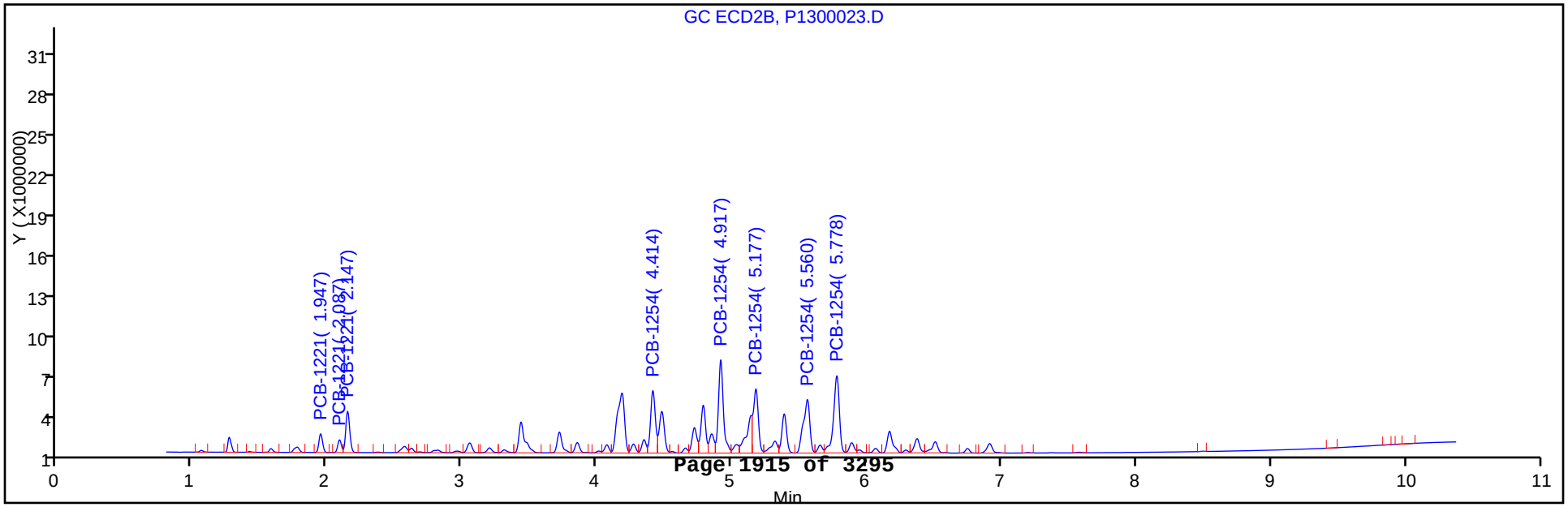
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300023.D

Injection Date:	21-Oct-2012 21:51:47	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	23
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



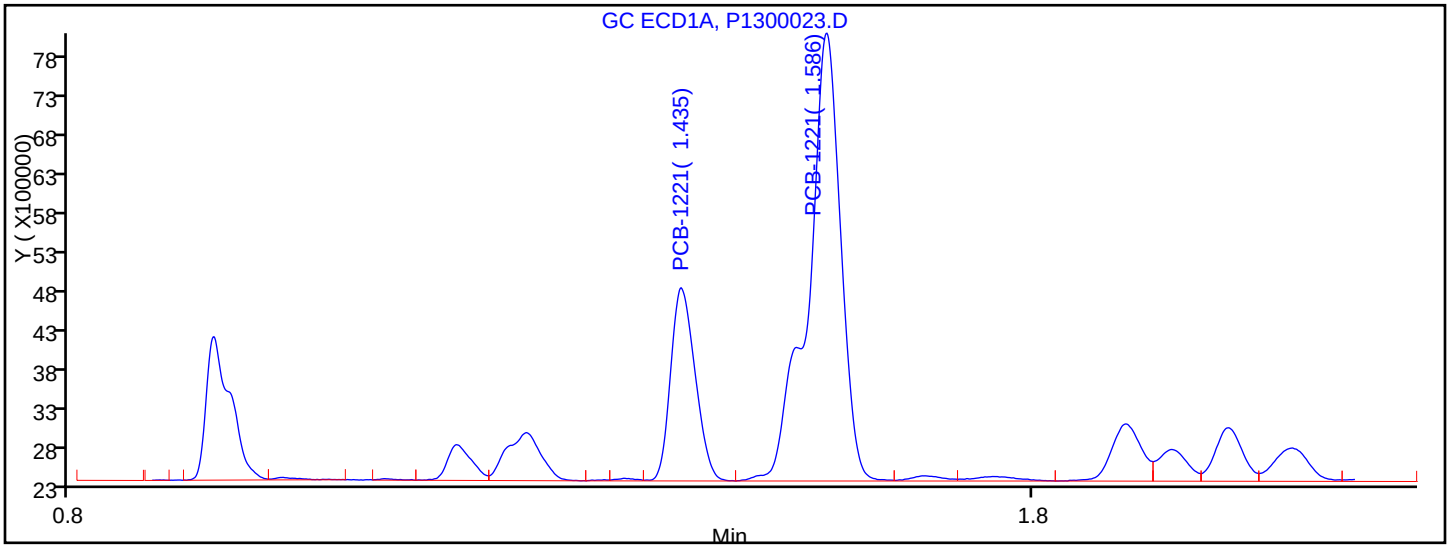
Report Date: 22-Oct-2012 09:18:18 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300023.D

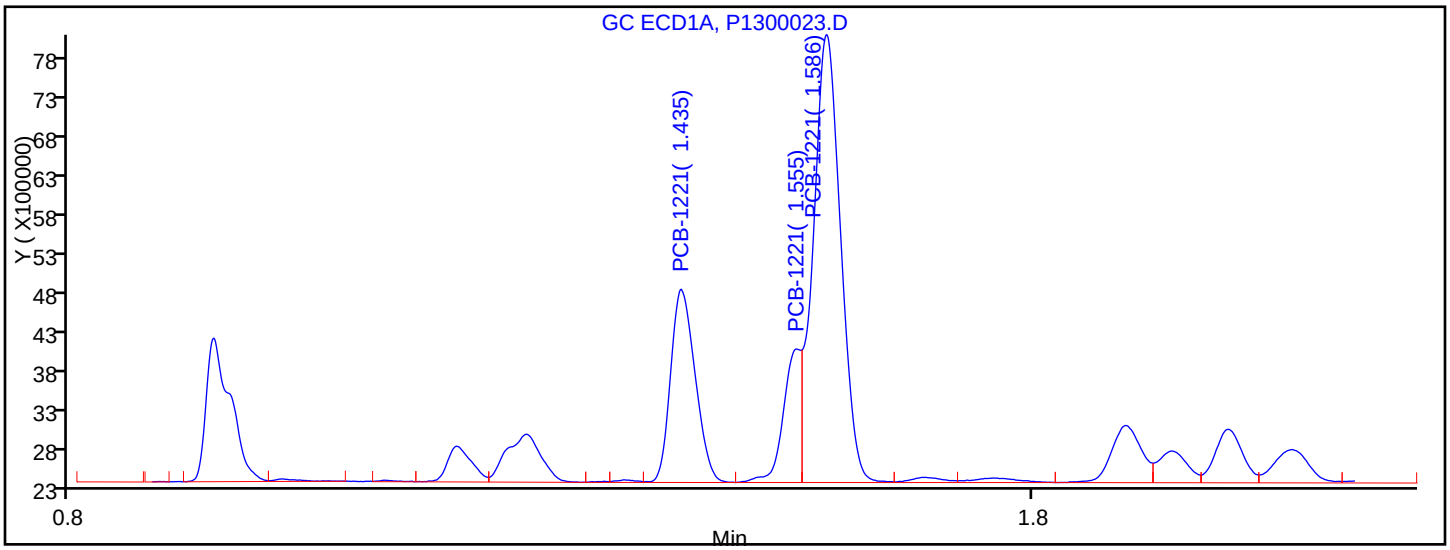
Injection Date:	21-Oct-2012 21:51:47	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	23
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

3 PCB-1221, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.435	Response = 4429217	
RT = 1.586	Response = 0	M
RT = 1.586	Response = 13652016	M



Manual Integration Results

RT = 1.435	Response = 4429217	
RT = 1.555	Response = 2214538	M
RT = 1.586	Response = 11437477	M

Reviewer: hassl, 22-Oct-2012 09:06:40

Audit Action: Manually Integrated/Assigned Compound ID

Audit Reason: Split Peak

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300024.D
Lims ID: STD05 AR2154 Client ID:
Inject. Date: 21-Oct-2012 22:06:41 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0014228-024
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 24
Lims Batch ID: 62068 Lims Sample ID: 24
Sublist: chrom-PCB13*sub6
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:15 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:07:11

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									M
1	2	1.435	1.435	0.000	10429868	0.4826		100.0	
1	3	1.559	1.554	0.005	4399813	0.5170	25.0- 75.0	42.2	M
1	4	1.587	1.586	0.001	26890493	0.4718	233.2- 283.2	257.8	M
			Average of Peak Amounts =			0.4905			
2	4	1.948	1.948	0.000	6330644	0.4779		100.0	
2	5	2.088	2.088	0.000	4167691	0.4744	37.0- 97.0	65.8	
2	6	2.148	2.148	0.000	15087116	0.4748	210.7- 270.7	238.3	
			Average of Peak Amounts =			0.4757			
						RPD = 3.06			
8 PCB-1254									
1	100	3.542	3.541	0.001	64370551	0.4957		100.0	
1	2	3.956	3.956	0.000	69720842	0.4959	82.6- 132.6	108.3	
1	3	4.260	4.259	0.001	57910295	0.5054	64.9- 114.9	90.0	
1	4	4.467	4.467	0.000	48777658	0.4963	49.9- 99.9	75.8	
1	5	4.769	4.768	0.001	71037028	0.5027	84.1- 134.1	110.4	
			Average of Peak Amounts =			0.4992			
2	6	4.414	4.413	0.001	27491372	0.4800		100.0	
2	7	4.919	4.918	0.001	43106896	0.4862	124.0- 184.0	156.8	
2	8	5.179	5.179	0.000	29791558	0.4900	76.3- 136.3	108.4	
2	9	5.561	5.562	-0.001	32792131	0.4854	87.0- 147.0	119.3	
2	10	5.779	5.779	0.000	42777108	0.4927	121.1- 181.1	155.6	
			Average of Peak Amounts =			0.4869			
						RPD = 2.50			

QC Flag Legend

Review Flags
M - Manually Integrated

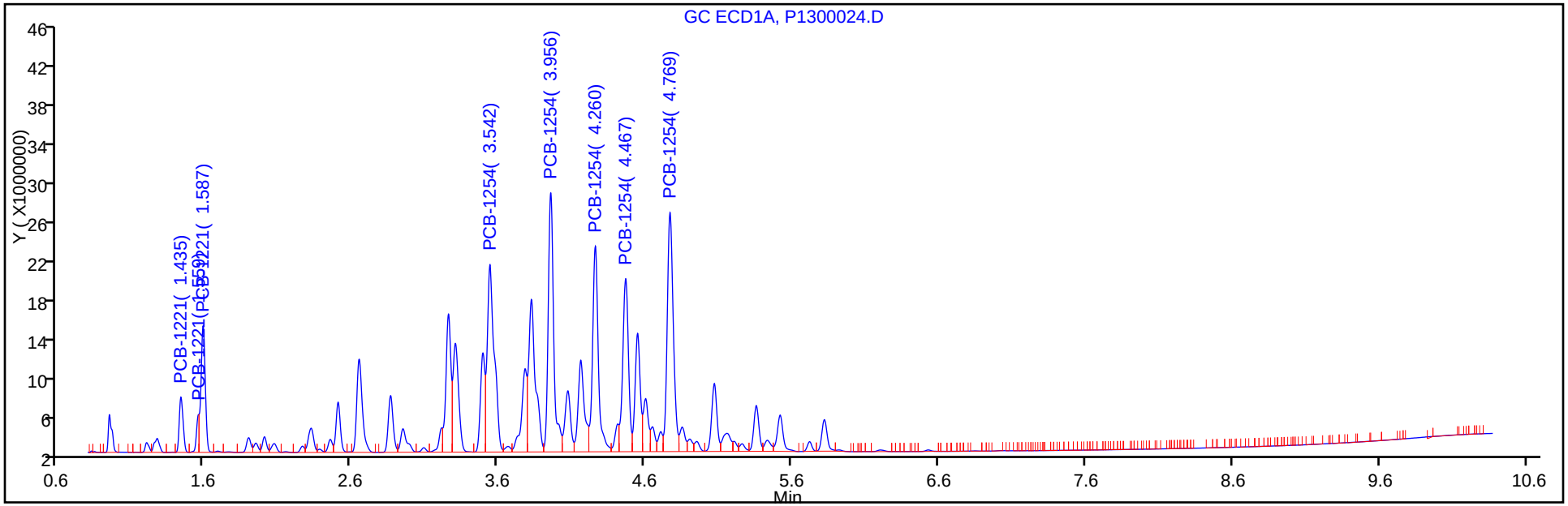
Report Date: 22-Oct-2012 09:18:16 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

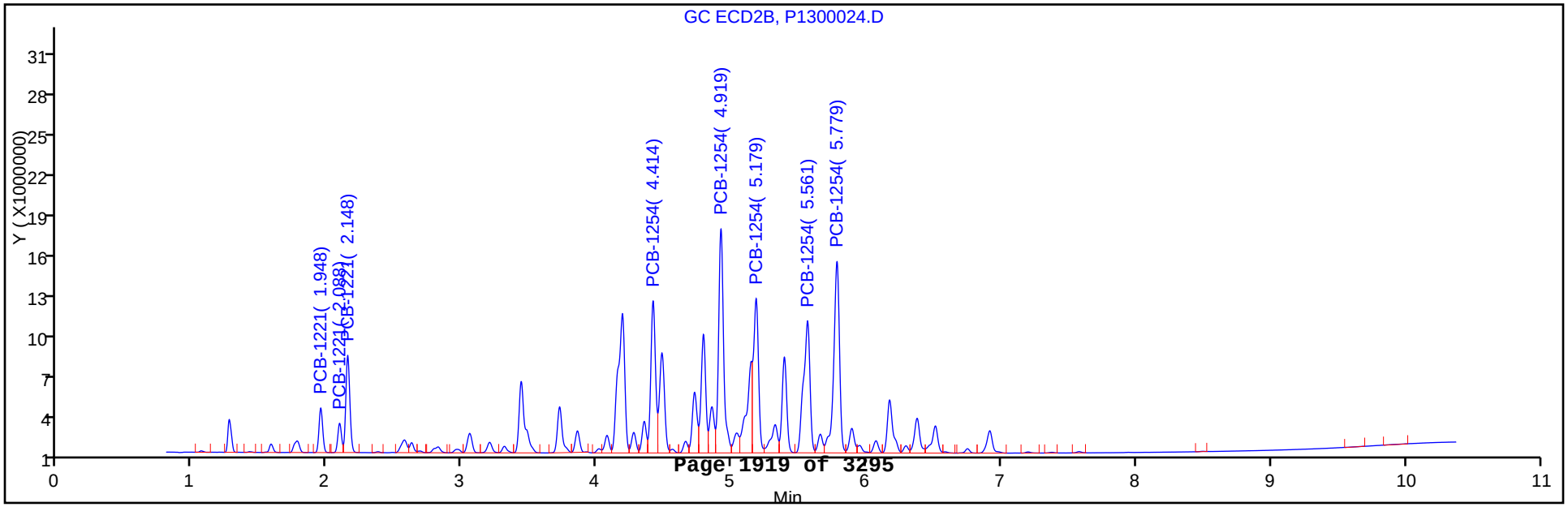
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300024.D

Injection Date:	21-Oct-2012 22:06:41	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	24
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



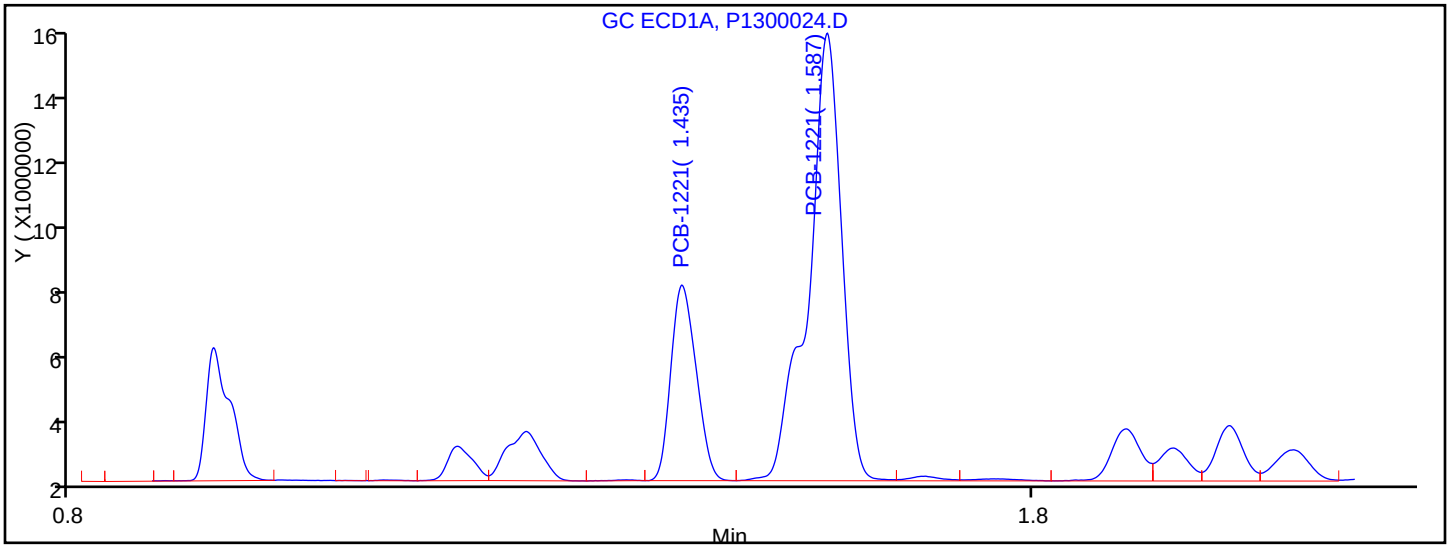
Report Date: 22-Oct-2012 09:18:16 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300024.D

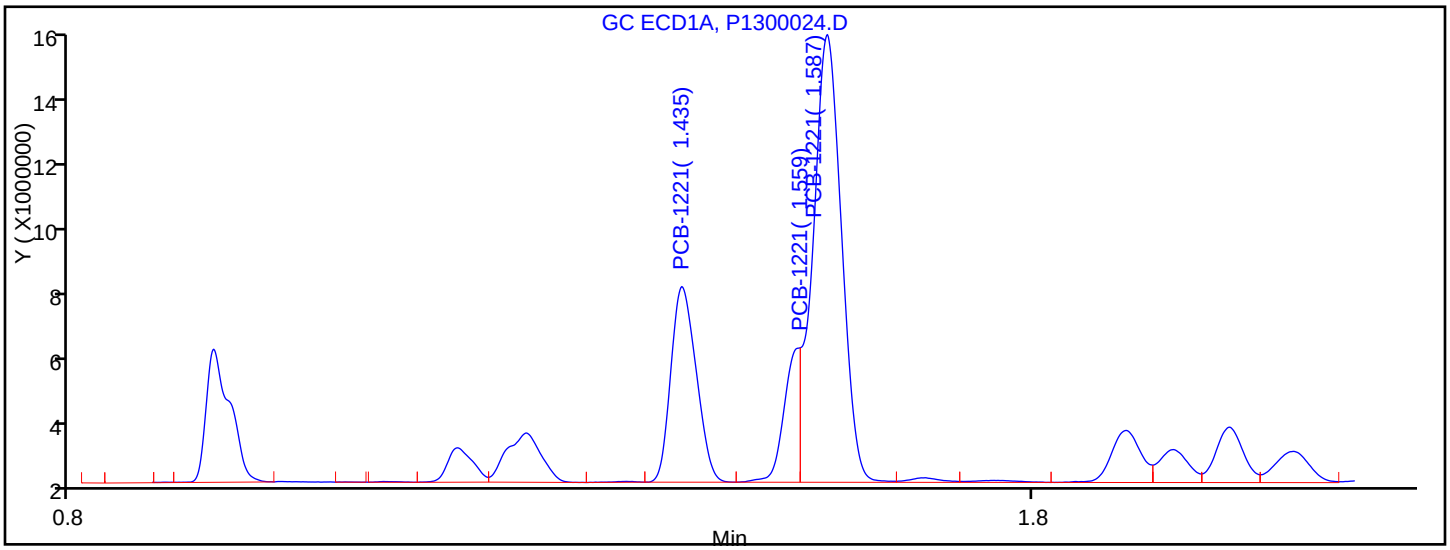
Injection Date:	21-Oct-2012 22:06:41	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	24
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

3 PCB-1221, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.435	Response = 10429868	
RT = 1.586	Response = 0	M
RT = 1.587	Response = 31290328	M



Manual Integration Results

RT = 1.435	Response = 10429868	
RT = 1.559	Response = 4399813	M
RT = 1.587	Response = 26890493	M

Reviewer: hassl, 22-Oct-2012 09:07:11

Audit Action: Manually Integrated/Assigned Compound ID

Audit Reason: Split Peak

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300025.D
Lims ID: STD1 AR2154 Client ID:
Inject. Date: 21-Oct-2012 22:21:34 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0014228-025
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 25
Lims Batch ID: 62068 Lims Sample ID: 25
Sublist: chrom-PCB13*sub6
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:14 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:07:43

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									M
1	2	1.436	1.435	0.001	19416966	0.8985		100.0	
1	3	1.558	1.554	0.004	7440731	0.9737	25.0- 75.0	38.3	M
1	4	1.586	1.586	0.000	49419050	0.8671	233.2- 283.2	254.5	M
			Average of Peak Amounts =			0.9131			
2	4	1.948	1.948	0.000	11957868	0.9027		100.0	
2	5	2.088	2.088	0.000	7792949	0.8870	37.0- 97.0	65.2	
2	6	2.148	2.148	0.000	28432724	0.8949	210.7- 270.7	237.8	
			Average of Peak Amounts =			0.8949			
						RPD = 2.02			
8 PCB-1254									
1	100	3.541	3.541	0.000	120561612	0.9284		100.0	
1	2	3.956	3.956	0.000	131664859	0.9364	82.6- 132.6	109.2	
1	3	4.258	4.259	-0.001	110520159	0.9646	64.9- 114.9	91.7	
1	4	4.466	4.467	-0.001	92256552	0.9387	49.9- 99.9	76.5	
1	5	4.768	4.768	0.000	134779062	0.9537	84.1- 134.1	111.8	
			Average of Peak Amounts =			0.9444			
2	6	4.415	4.413	0.002	52966523	0.9249		100.0	
2	7	4.917	4.918	-0.001	83028670	0.9364	124.0- 184.0	156.8	
2	8	5.179	5.179	0.000	58426984	0.9610	76.3- 136.3	110.3	
2	9	5.561	5.562	-0.001	64281415	0.9515	87.0- 147.0	121.4	
2	10	5.779	5.779	0.000	82957319	0.9555	121.1- 181.1	156.6	
			Average of Peak Amounts =			0.9459			
						RPD = 0.16			

QC Flag Legend

Review Flags
M - Manually Integrated

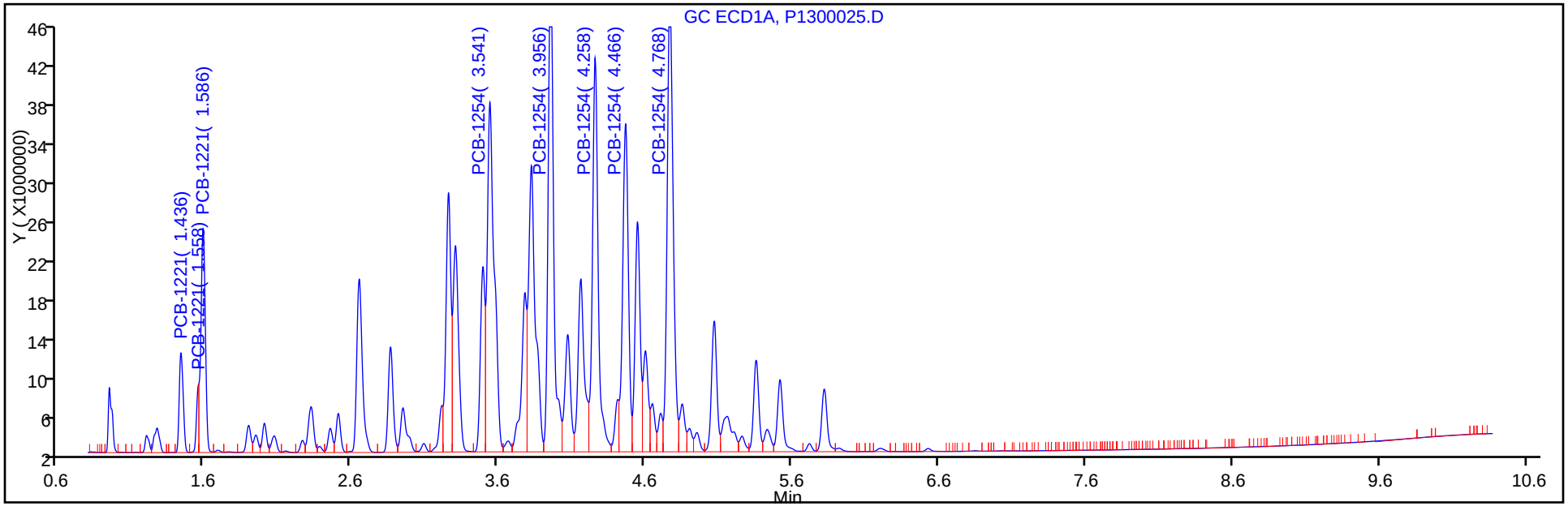
Report Date: 22-Oct-2012 09:18:14 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

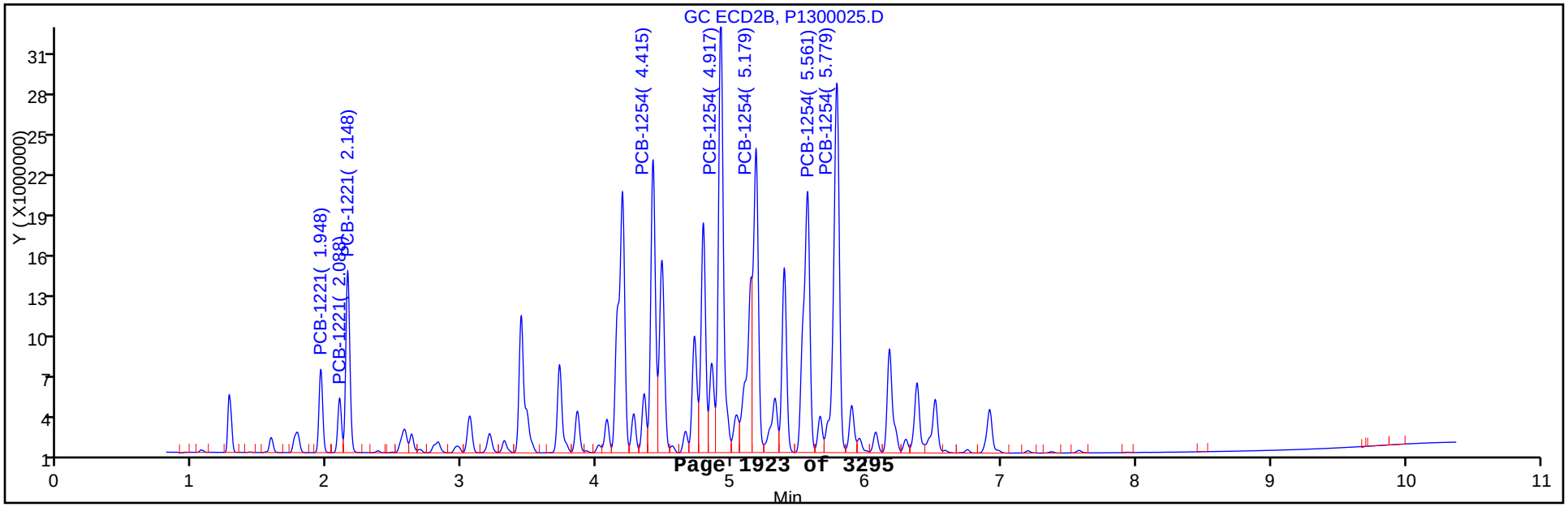
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300025.D

Injection Date:	21-Oct-2012 22:21:34	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	25
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



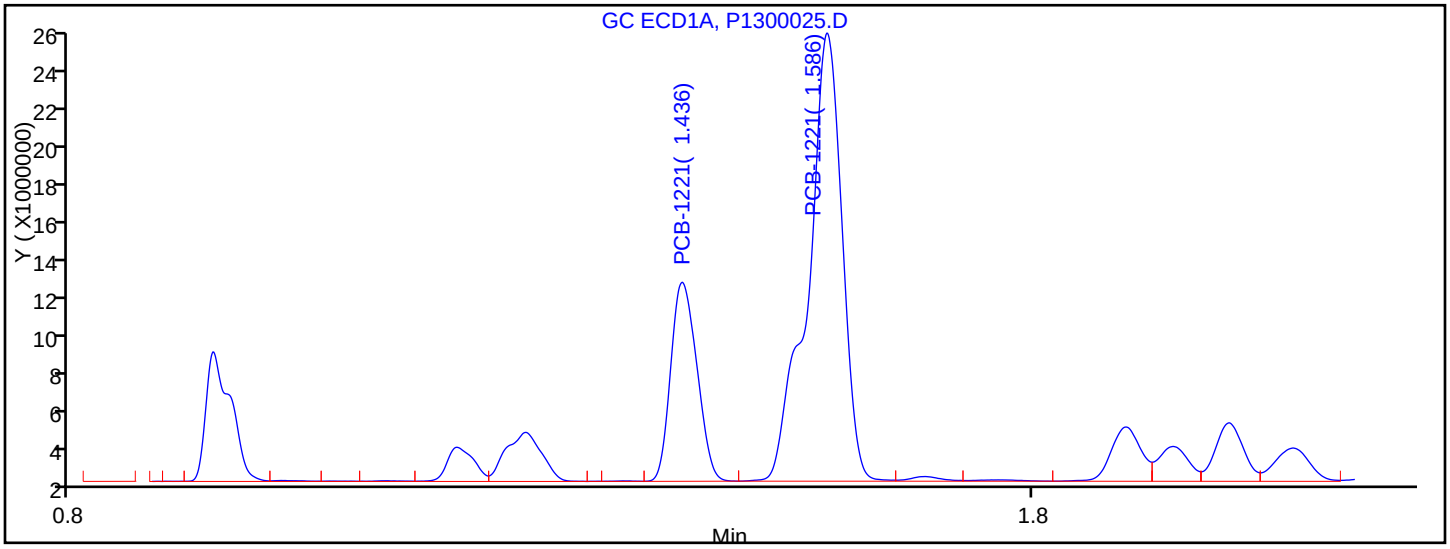
Report Date: 22-Oct-2012 09:18:15 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300025.D

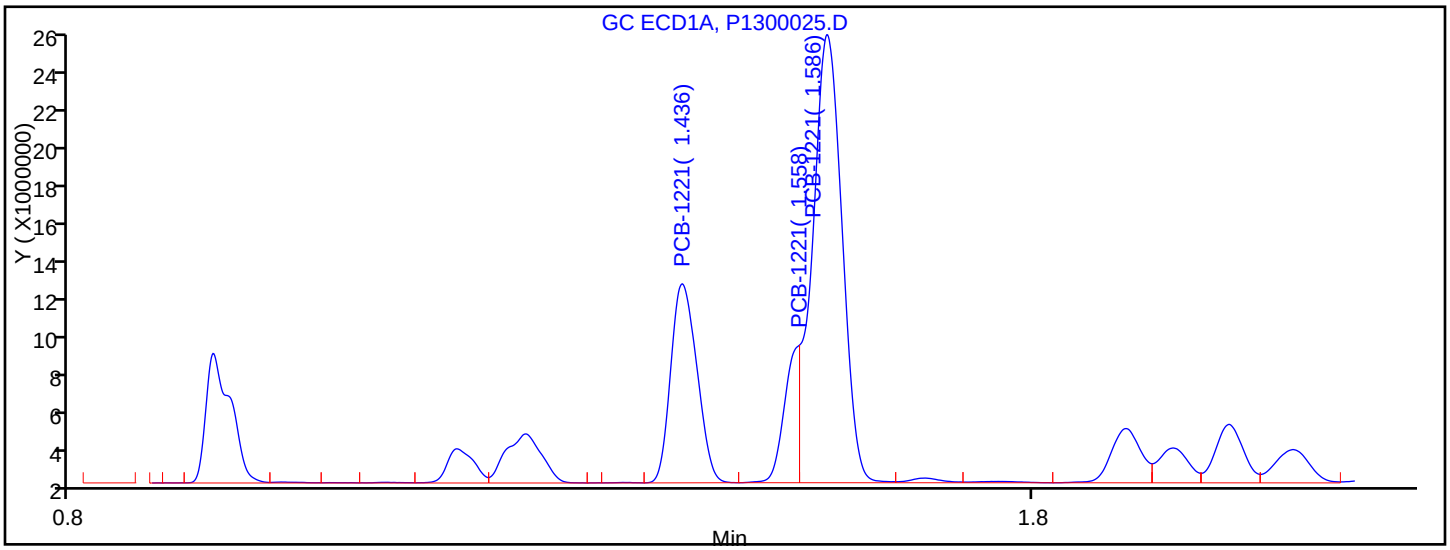
Injection Date:	21-Oct-2012 22:21:34	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	25
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

3 PCB-1221, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.436	Response = 19416966	
RT = 1.586	Response = 0	M
RT = 1.586	Response = 56859802	M



Manual Integration Results

RT = 1.436	Response = 19416966	
RT = 1.558	Response = 7440731	M
RT = 1.586	Response = 49419050	M

Reviewer: hassl, 22-Oct-2012 09:07:43

Audit Action: Manually Integrated/Assigned Compound ID

Audit Reason: Split Peak

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300026.D
Lims ID: STD2 AR2154 Client ID:
Inject. Date: 21-Oct-2012 22:36:27 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 240-0014228-026
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 26
Lims Batch ID: 62068 Lims Sample ID: 26
Sublist: chrom-PCB13*sub6
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:12 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:08:15

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									M
1	2	1.435	1.435	0.000	36752731	1.70		100.0	
1	3	1.555	1.554	0.001	11928209	2.01	25.0- 75.0	32.5	M
1	4	1.587	1.586	0.001	92993540	1.63	233.2- 283.2	253.0	M
			Average of Peak Amounts =			1.78			
2	4	1.948	1.948	0.000	23306725	1.76		100.0	
2	5	2.088	2.088	0.000	14898822	1.70	37.0- 97.0	63.9	
2	6	2.148	2.148	0.000	55006290	1.73	210.7- 270.7	236.0	
			Average of Peak Amounts =			1.73			
						RPD = 2.97			
8 PCB-1254									
1	100	3.541	3.541	0.000	229647270	1.77		100.0	
1	2	3.955	3.956	-0.001	250140664	1.78	82.6- 132.6	108.9	
1	3	4.258	4.259	-0.001	210197993	1.83	64.9- 114.9	91.5	
1	4	4.466	4.467	-0.001	174799795	1.78	49.9- 99.9	76.1	
1	5	4.768	4.768	0.000	255265155	1.81	84.1- 134.1	111.2	
			Average of Peak Amounts =			1.79			
2	6	4.413	4.413	0.000	103997526	1.82		100.0	
2	7	4.917	4.918	-0.001	163223319	1.84	124.0- 184.0	156.9	
2	8	5.178	5.179	-0.001	111493989	1.83	76.3- 136.3	107.2	
2	9	5.561	5.562	-0.001	126925365	1.88	87.0- 147.0	122.0	
2	10	5.779	5.779	0.000	162480349	1.87	121.1- 181.1	156.2	
			Average of Peak Amounts =			1.85			
						RPD = 3.01			

QC Flag Legend

Review Flags
M - Manually Integrated

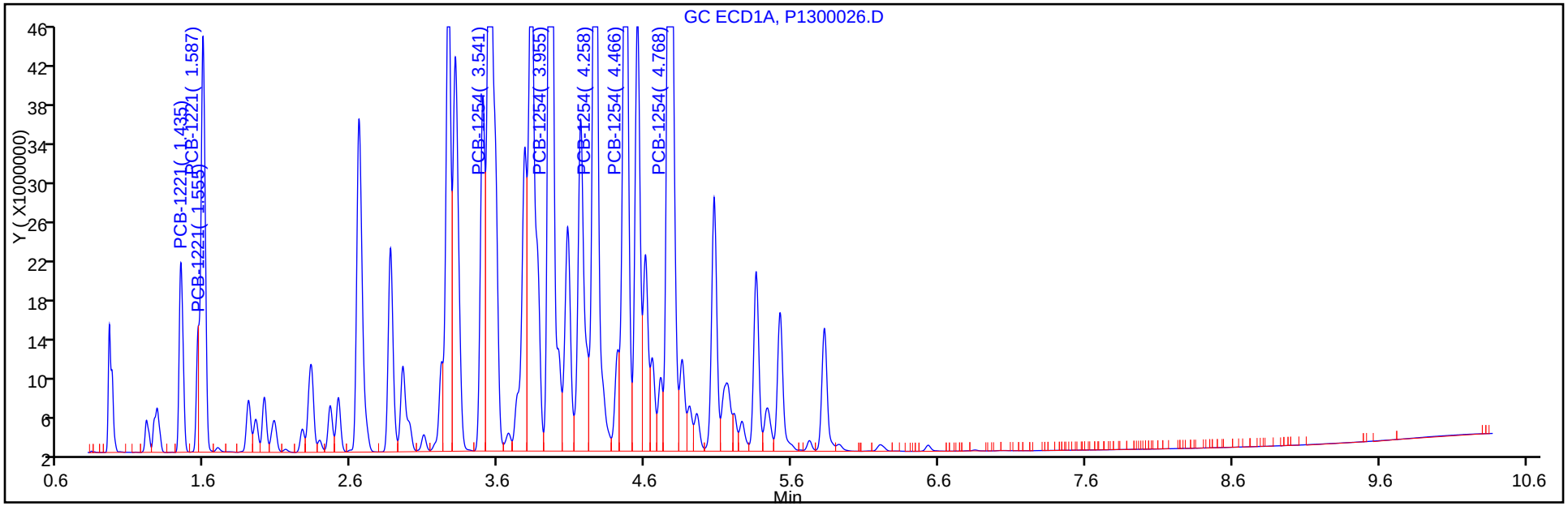
Report Date: 22-Oct-2012 09:18:13 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

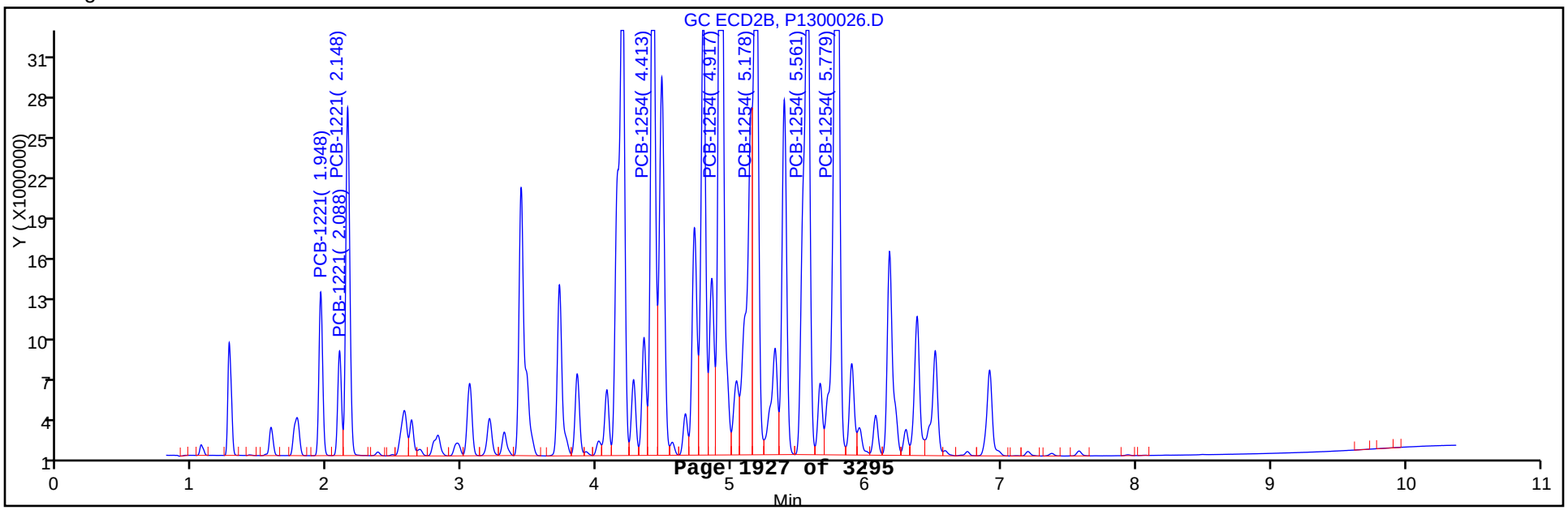
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300026.D

Injection Date:	21-Oct-2012 22:36:27	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	26
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



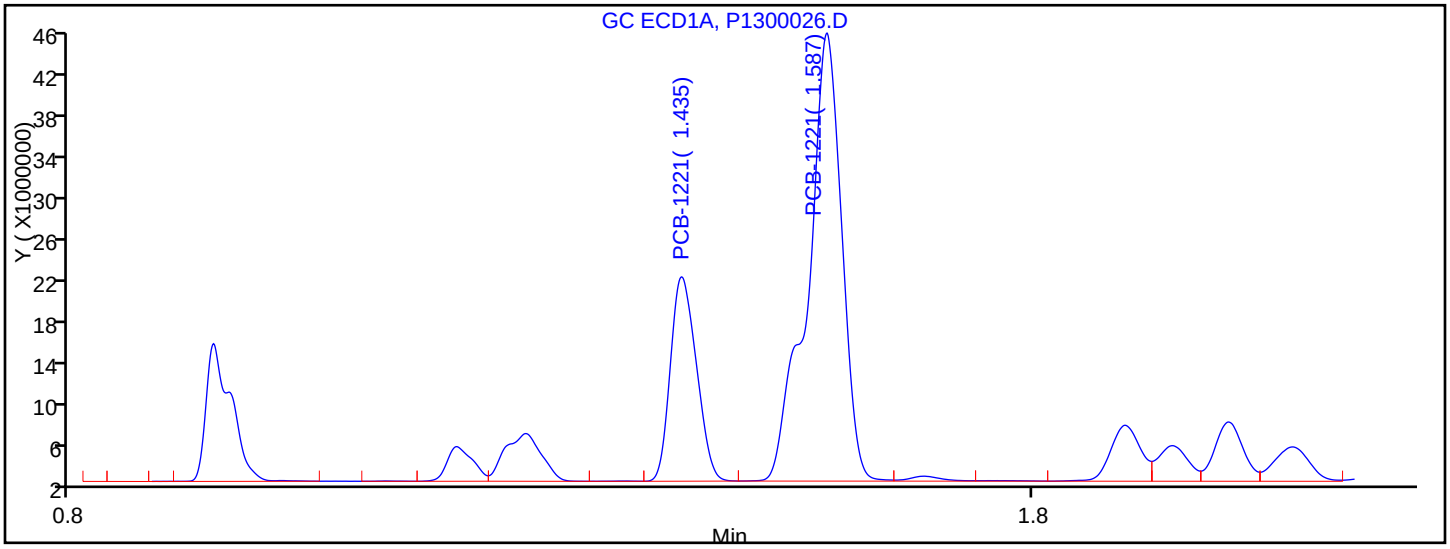
Report Date: 22-Oct-2012 09:18:13 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300026.D

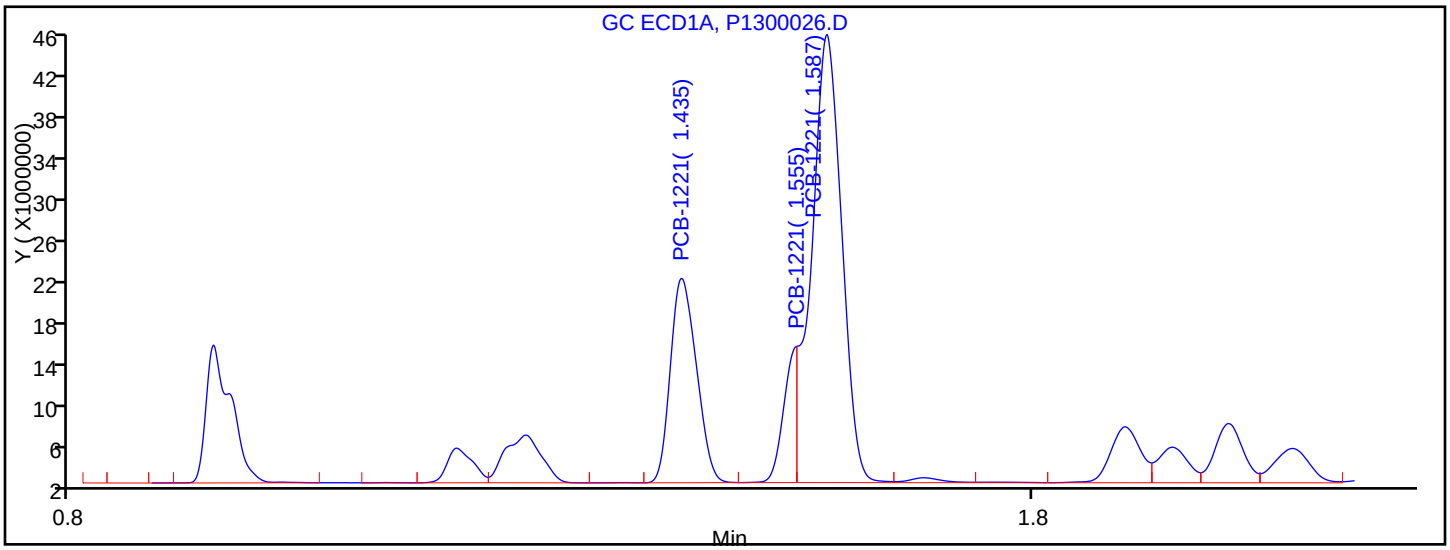
Injection Date:	21-Oct-2012 22:36:27	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	26
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

3 PCB-1221, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.435	Response = 36752731	
RT = 1.586	Response = 0	M
RT = 1.587	Response = 104921716	M



Manual Integration Results

RT = 1.435	Response = 36752731	
RT = 1.555	Response = 11928209	M
RT = 1.587	Response = 92993540	M

Reviewer: hassl, 22-Oct-2012 09:08:15

Audit Action: Manually Integrated/Assigned Compound ID

Audit Reason: Split Peak

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 21:21 Calibration End Date: 10/21/2012 22:36 Calibration ID: 12031

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/21	P1300021.D
Level 2	STD01 240-62068/22	P1300022.D
Level 3	STD02 240-62068/23	P1300023.D
Level 4	STD05 240-62068/24	P1300024.D
Level 5	STD1 240-62068/25	P1300025.D
Level 6	STD2 240-62068/26	P1300026.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1221 Peak 1	1.948	1.948	1.947	1.948	1.948	1.948					1.898 - 1.998	1.948
PCB-1221 Peak 2	2.088	2.088	2.087	2.088	2.088	2.088					2.038 - 2.138	2.088
PCB-1221 Peak 3	2.148	2.149	2.147	2.148	2.148	2.148					2.098 - 2.198	2.148
PCB-1254 Peak 1	4.413	4.414	4.414	4.414	4.415	4.413					4.363 - 4.463	4.414
PCB-1254 Peak 2	4.918	4.918	4.917	4.919	4.917	4.917					4.868 - 4.968	4.918
PCB-1254 Peak 3	5.179	5.179	5.177	5.179	5.179	5.178					5.129 - 5.229	5.179
PCB-1254 Peak 4	5.562	5.560	5.560	5.561	5.561	5.561					5.512 - 5.612	5.561
PCB-1254 Peak 5	5.779	5.779	5.778	5.779	5.779	5.779					5.729 - 5.829	5.779

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 21:21 Calibration End Date: 10/21/2012 22:36 Calibration ID: 12031

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/21	P1300021.D
Level 2	STD01 240-62068/22	P1300022.D
Level 3	STD02 240-62068/23	P1300023.D
Level 4	STD05 240-62068/24	P1300024.D
Level 5	STD1 240-62068/25	P1300025.D
Level 6	STD2 240-62068/26	P1300026.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
PCB-1221 Peak 1	15357720 11957868	14500650 11653363	13349060	12661288	Ave		13246658.1				11.0		20.0			
PCB-1221 Peak 2	10523600 7792949	9671990 7449411	8940755	8335382	Ave		8785681.17				13.0		20.0			
PCB-1221 Peak 3	37866580 28432724	34531820 27503145	32128485	30174232	Ave		31772831.0				12.0		20.0			
PCB-1254 Peak 1	65440920 52966523	60836730 51998763	57387095	54982744	Ave		57268795.8				8.9		20.0			
PCB-1254 Peak 2	99916280 83028670	92837360 81611660	88380105	86213792	Ave		88664644.4				7.7		20.0			
PCB-1254 Peak 3	69679640 58426984	60369860 55746995	60975235	59583116	Ave		60796971.6				7.8		20.0			
PCB-1254 Peak 4	74377660 64281415	70485230 63462682	67153385	65584262	Ave		67557439.1				6.2		20.0			
PCB-1254 Peak 5	93362260 82957319	91113730 81240175	86718860	85554216	Ave		86824426.6				5.4		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 21:21 Calibration End Date: 10/21/2012 22:36 Calibration ID: 12031

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/21	P1300021.D
Level 2	STD01 240-62068/22	P1300022.D
Level 3	STD02 240-62068/23	P1300023.D
Level 4	STD05 240-62068/24	P1300024.D
Level 5	STD1 240-62068/25	P1300025.D
Level 6	STD2 240-62068/26	P1300026.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1221 Peak 1	Ave	767886 23306725	1450065	2669812	6330644	11957868	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1221 Peak 2	Ave	526180 14898822	967199	1788151	4167691	7792949	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1221 Peak 3	Ave	1893329 55006290	3453182	6425697	15087116	28432724	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 1	Ave	3272046 103997526	6083673	11477419	27491372	52966523	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 2	Ave	4995814 163223319	9283736	17676021	43106896	83028670	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 3	Ave	3483982 111493989	6036986	12195047	29791558	58426984	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 4	Ave	3718883 126925365	7048523	13430677	32792131	64281415	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 5	Ave	4668113 162480349	9111373	17343772	42777108	82957319	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300021.D
Lims ID: STD005 AR2154 Client ID:
Inject. Date: 21-Oct-2012 21:21:59 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0014228-021
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 21
Lims Batch ID: 62068 Lims Sample ID: 21
Sublist: chrom-PCB13*sub6
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:20 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:04:40

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									M
1	2	1.435	1.435	0.000	1263825	0.0585		100.0	
1	3	1.554	1.554	0.000	525324	0.0396	25.0- 75.0	41.6	M
1	4	1.586	1.586	0.000	3475288	0.0610	233.2- 283.2	275.0	M
			Average of Peak Amounts =			0.0530			
2	4	1.948	1.948	0.000	767886	0.0580		100.0	
2	5	2.088	2.088	0.000	526180	0.0599	37.0- 97.0	68.5	
2	6	2.148	2.148	0.000	1893329	0.0596	210.7- 270.7	246.6	
			Average of Peak Amounts =			0.0591			
						RPD = 10.91			
8 PCB-1254									
1	100	3.541	3.541	0.000	7791640	0.0600		100.0	
1	2	3.956	3.956	0.000	8272822	0.0588	82.6- 132.6	106.2	
1	3	4.259	4.259	0.000	6662861	0.0582	64.9- 114.9	85.5	
1	4	4.467	4.467	0.000	5609423	0.0571	49.9- 99.9	72.0	
1	5	4.768	4.768	0.000	8113434	0.0574	84.1- 134.1	104.1	
			Average of Peak Amounts =			0.0583			
2	6	4.413	4.413	0.000	3272046	0.0571		100.0	
2	7	4.918	4.918	0.000	4995814	0.0563	124.0- 184.0	152.7	
2	8	5.179	5.179	0.000	3483982	0.0573	76.3- 136.3	106.5	
2	9	5.562	5.562	0.000	3718883	0.0550	87.0- 147.0	113.7	
2	10	5.779	5.779	0.000	4668113	0.0538	121.1- 181.1	142.7	
			Average of Peak Amounts =			0.0559			
						RPD = 4.16			

QC Flag Legend

Review Flags
M - Manually Integrated

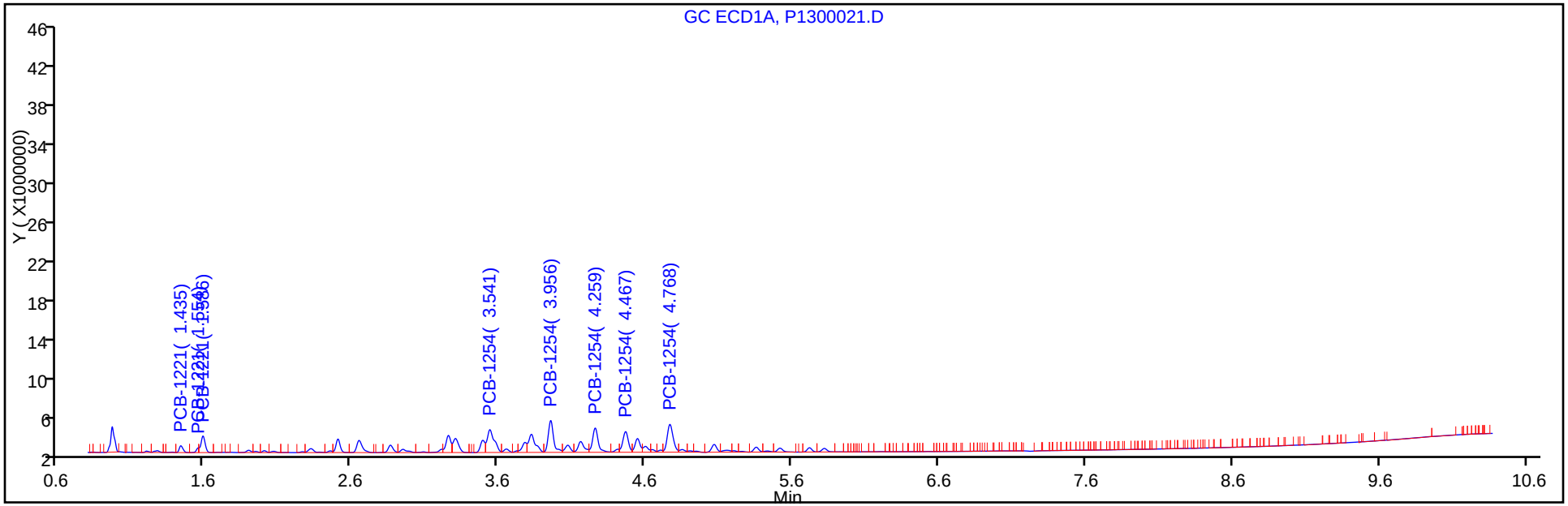
Report Date: 22-Oct-2012 09:18:21 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

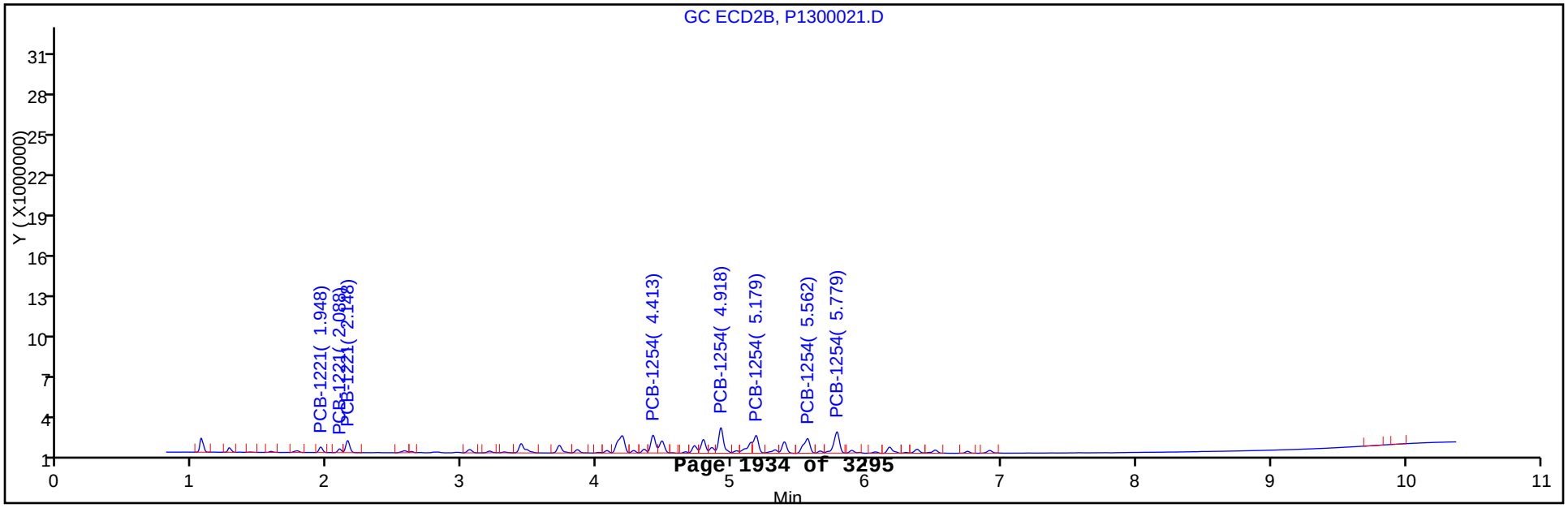
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300021.D

Injection Date:	21-Oct-2012 21:21:59	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	21
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300022.D
Lims ID: STD01 AR2154 Client ID:
Inject. Date: 21-Oct-2012 21:36:53 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0014228-022
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 22
Lims Batch ID: 62068 Lims Sample ID: 22
Sublist: chrom-PCB13*sub6
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:18 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:05:12

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									M
1	2	1.435	1.435	0.000	2358951	0.1092		100.0	
1	3	1.554	1.554	0.000	839041	0.0753	25.0- 75.0	35.6	M
1	4	1.587	1.586	0.001	6555686	0.1150	233.2- 283.2	277.9	M
			Average of Peak Amounts =			0.0998			
2	4	1.948	1.948	0.000	1450065	0.1095		100.0	
2	5	2.088	2.088	0.000	967199	0.1101	37.0- 97.0	66.7	
2	6	2.149	2.148	0.001	3453182	0.1087	210.7- 270.7	238.1	
			Average of Peak Amounts =			0.1094			
						RPD = 9.17			
8 PCB-1254									M
1	100	3.541	3.541	0.000	12364440	0.0952		100.0	
1	2	3.956	3.956	0.000	13618696	0.0969	82.6- 132.6	110.1	
1	3	4.260	4.259	0.001	10085759	0.0880	64.9- 114.9	81.6	
1	4	4.468	4.467	0.001	9876544	0.1005	49.9- 99.9	79.9	
1	5	4.770	4.768	0.002	13328494	0.0943	84.1- 134.1	107.8	
			Average of Peak Amounts =			0.0950			
2	6	4.414	4.413	0.001	6083673	0.1062		100.0	
2	7	4.918	4.918	0.000	9283736	0.1047	124.0- 184.0	152.6	
2	8	5.179	5.179	0.000	6036986	0.0993	76.3- 136.3	99.2	M
2	9	5.560	5.562	-0.002	7048523	0.1043	87.0- 147.0	115.9	
2	10	5.779	5.779	0.000	9111373	0.1049	121.1- 181.1	149.8	
			Average of Peak Amounts =			0.1039			
						RPD = 8.97			

QC Flag Legend

Review Flags
M - Manually Integrated

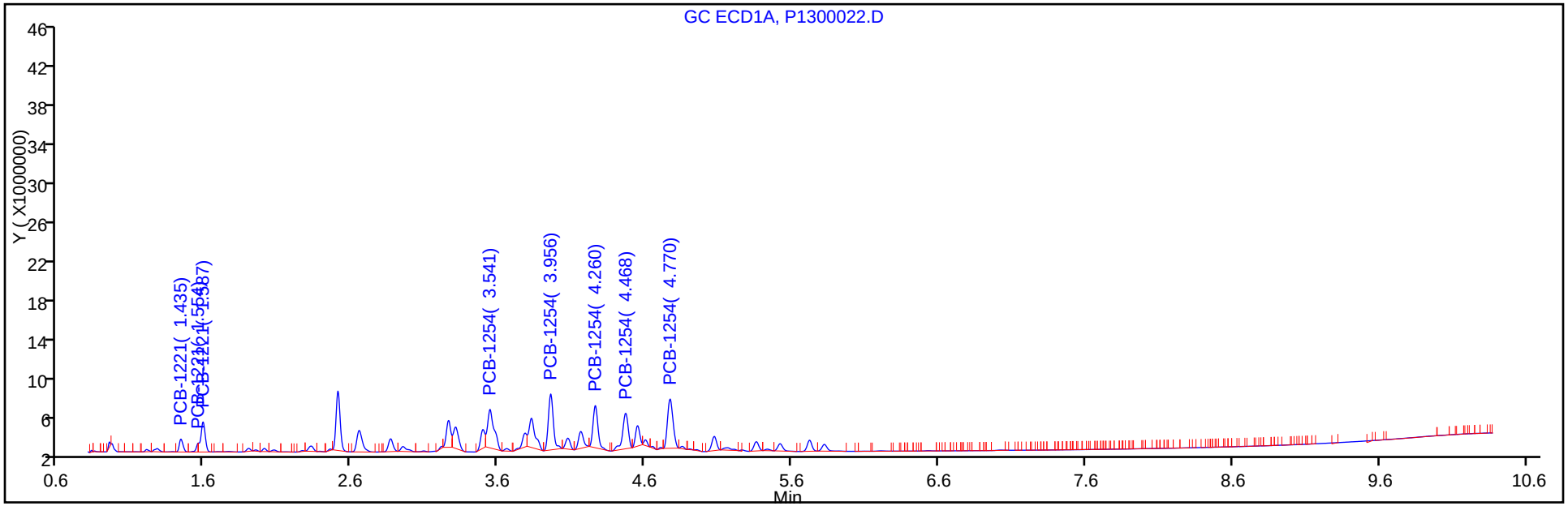
Report Date: 22-Oct-2012 09:18:19 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

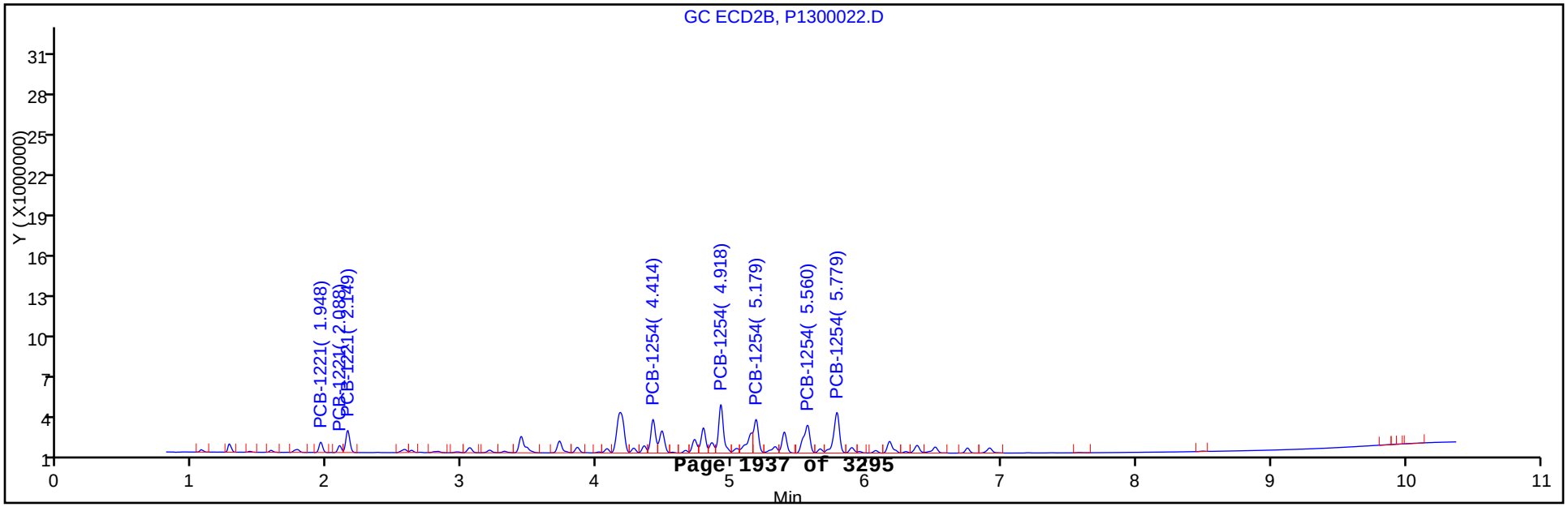
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300022.D

Injection Date:	21-Oct-2012 21:36:53	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	22
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



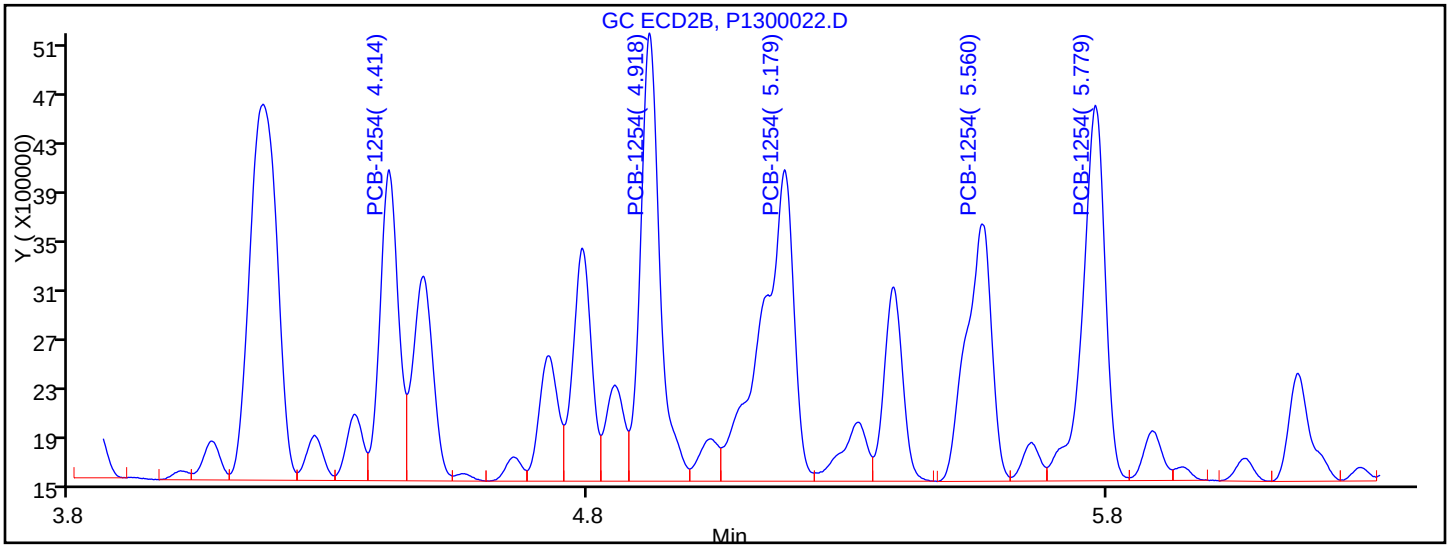
Report Date: 22-Oct-2012 09:18:20 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300022.D

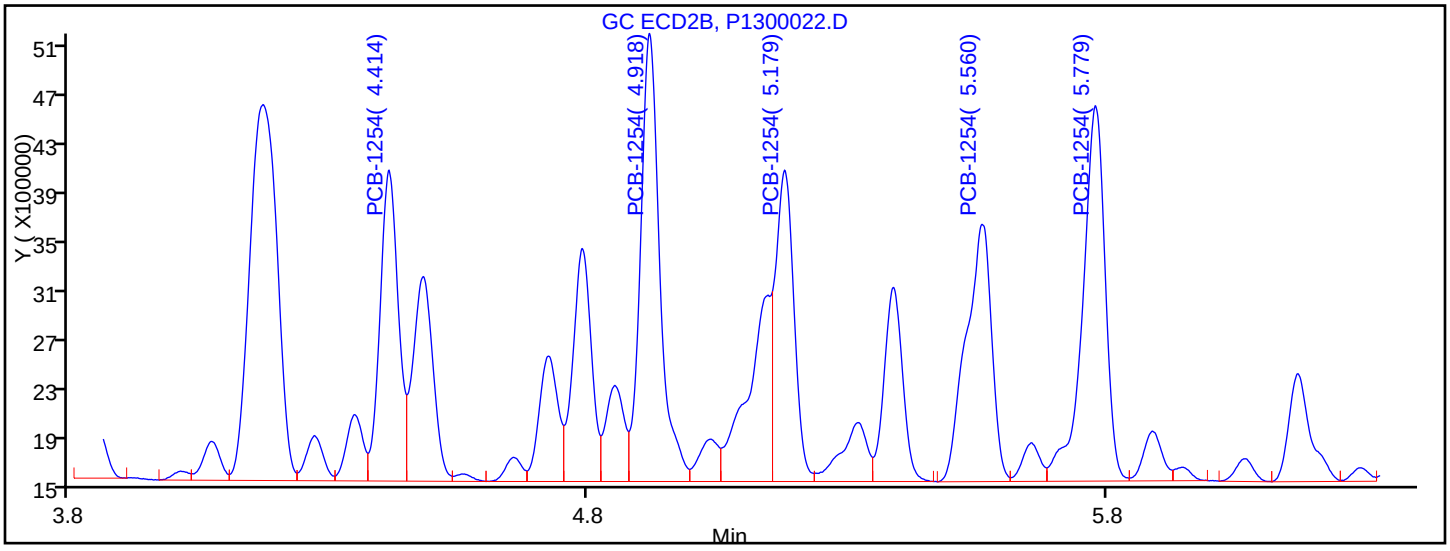
Injection Date:	21-Oct-2012 21:36:53	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	22
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

8 PCB-1254, Detector: 2, GC ecd2b



Processing Integration Results

RT = 4.414	Response = 6083673	
RT = 4.918	Response = 9283736	
RT = 5.179	Response = 10865303	M
RT = 5.560	Response = 7048523	
RT = 5.779	Response = 9111373	



Manual Integration Results

RT = 4.414	Response = 6083673	
RT = 4.918	Response = 9283736	
RT = 5.179	Response = 6036986	M
RT = 5.560	Response = 7048523	
RT = 5.779	Response = 9111373	

Reviewer: hassl, 22-Oct-2012 09:05:12

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300023.D
Lims ID: STD02 AR2154 Client ID:
Inject. Date: 21-Oct-2012 21:51:47 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0014228-023
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 23
Lims Batch ID: 62068 Lims Sample ID: 23
Sublist: chrom-PCB13*sub6
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:17 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:05:56

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									M
1	2	1.435	1.435	0.000	4429217	0.2050		100.0	
1	3	1.555	1.554	0.001	2214538	0.2371	25.0- 75.0	50.0	M
1	4	1.586	1.586	0.000	11437477	0.2007	233.2- 283.2	258.2	M
			Average of Peak Amounts =			0.2143			
2	4	1.947	1.948	-0.001	2669812	0.2015		100.0	
2	5	2.087	2.088	-0.001	1788151	0.2035	37.0- 97.0	67.0	
2	6	2.147	2.148	-0.001	6425697	0.2022	210.7- 270.7	240.7	
			Average of Peak Amounts =			0.2024			
						RPD = 5.67			
8 PCB-1254									M
1	100	3.541	3.541	0.000	27104495	0.2087		100.0	
1	2	3.955	3.956	-0.001	29165381	0.2074	82.6- 132.6	107.6	
1	3	4.259	4.259	0.000	24377005	0.2128	64.9- 114.9	89.9	
1	4	4.466	4.467	-0.001	20301068	0.2066	49.9- 99.9	74.9	
1	5	4.767	4.768	-0.001	29571702	0.2093	84.1- 134.1	109.1	
			Average of Peak Amounts =			0.2089			
2	6	4.414	4.413	0.001	11477419	0.2004		100.0	
2	7	4.917	4.918	-0.001	17676021	0.1994	124.0- 184.0	154.0	
2	8	5.177	5.179	-0.002	12195047	0.2006	76.3- 136.3	106.3	M
2	9	5.560	5.562	-0.002	13430677	0.1988	87.0- 147.0	117.0	
2	10	5.778	5.779	-0.001	17343772	0.1998	121.1- 181.1	151.1	
			Average of Peak Amounts =			0.1998			
						RPD = 4.48			

QC Flag Legend

Review Flags
M - Manually Integrated

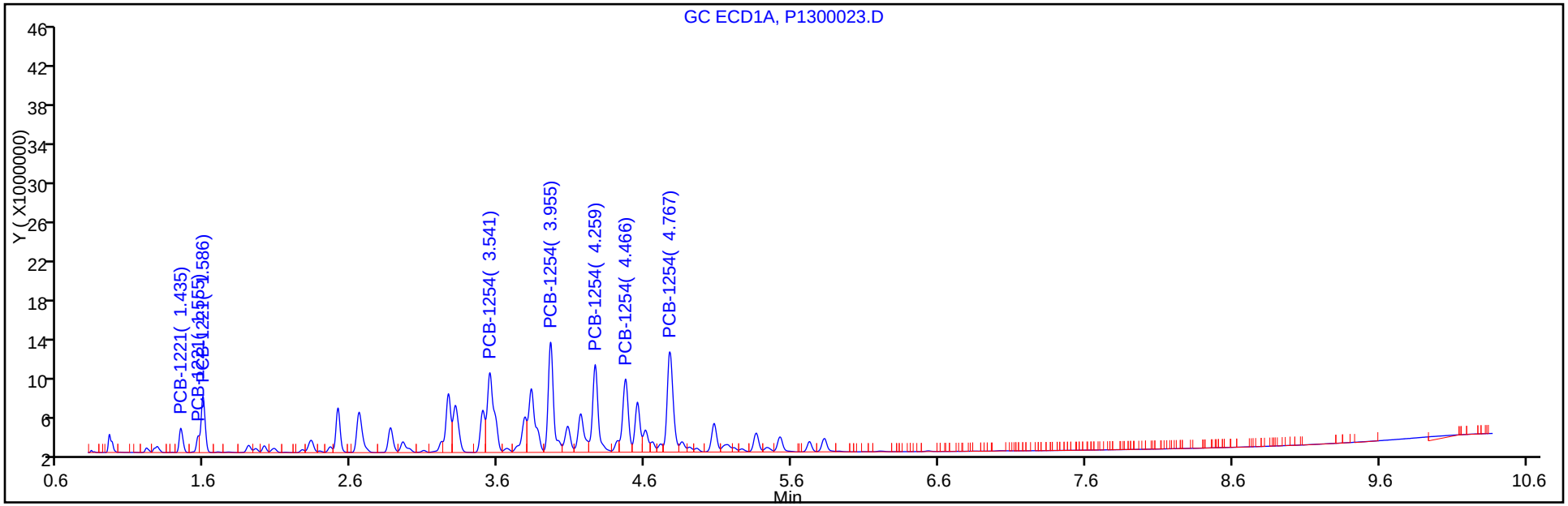
Report Date: 22-Oct-2012 09:18:18 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

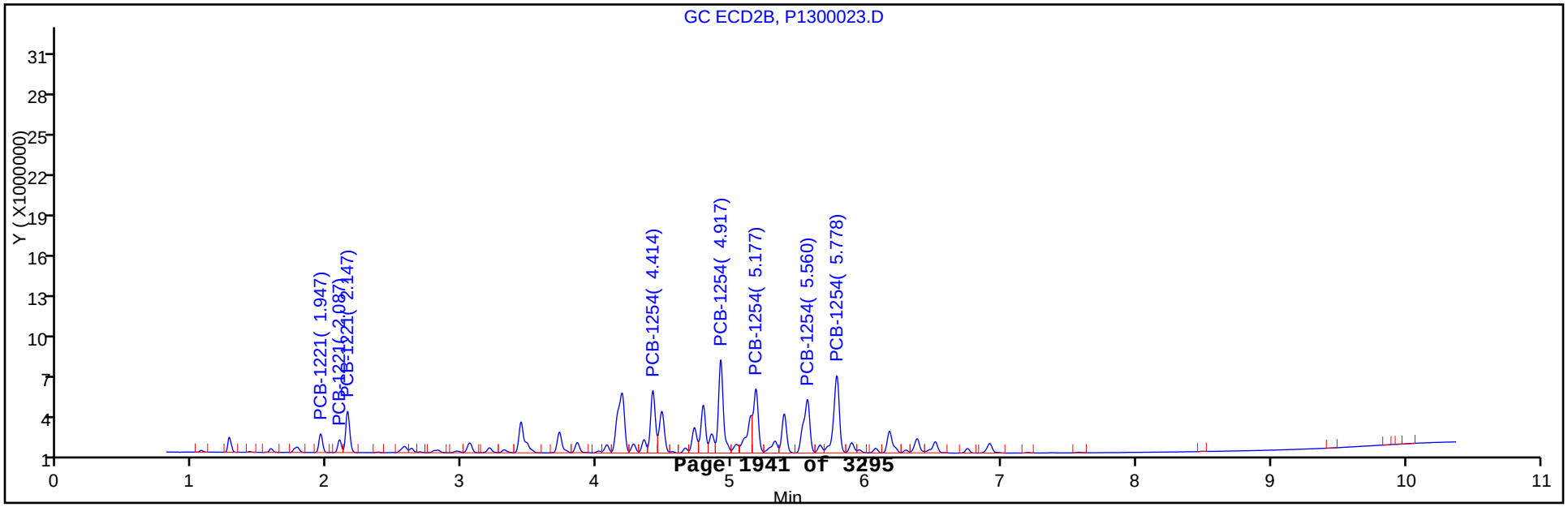
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300023.D

Injection Date:	21-Oct-2012 21:51:47	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	23
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



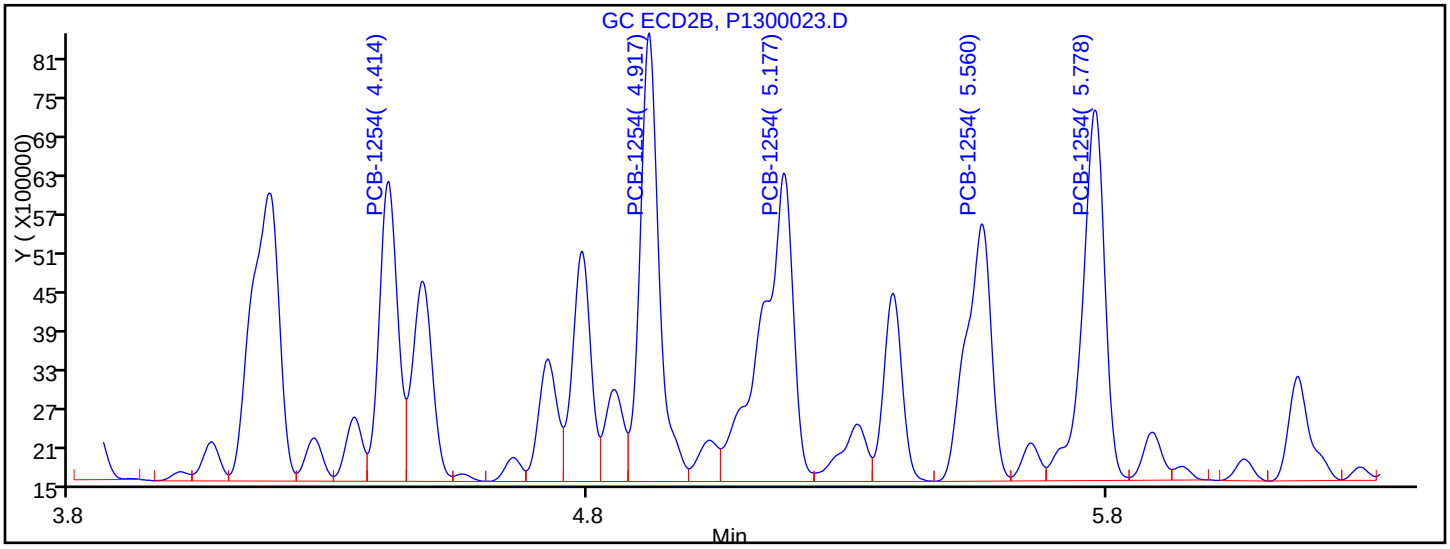
Report Date: 22-Oct-2012 09:18:18 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300023.D

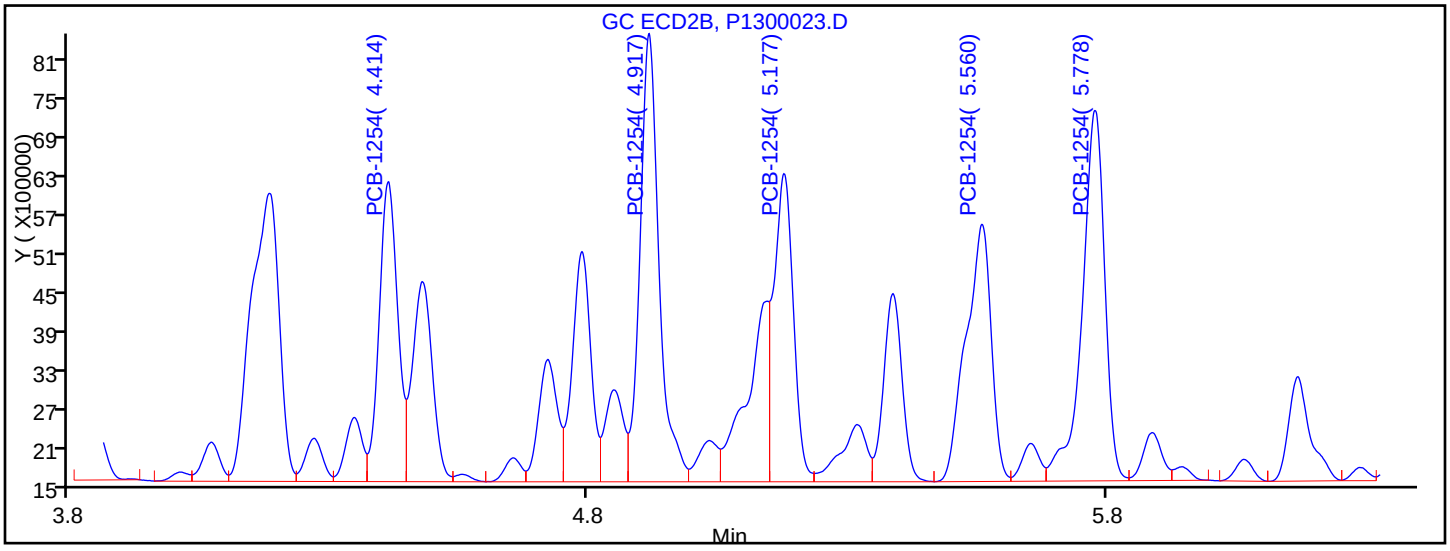
Injection Date:	21-Oct-2012 21:51:47	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	23
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

8 PCB-1254, Detector: 2, GC ecd2b



Processing Integration Results

RT = 4.414	Response = 11477419	
RT = 4.917	Response = 17676021	
RT = 5.177	Response = 20475786	M
RT = 5.560	Response = 13430677	
RT = 5.778	Response = 17343772	



Manual Integration Results

RT = 4.414	Response = 11477419	
RT = 4.917	Response = 17676021	
RT = 5.177	Response = 12195047	M
RT = 5.560	Response = 13430677	
RT = 5.778	Response = 17343772	

Reviewer: hassl, 22-Oct-2012 09:05:56

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300024.D
Lims ID: STD05 AR2154 Client ID:
Inject. Date: 21-Oct-2012 22:06:41 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0014228-024
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 24
Lims Batch ID: 62068 Lims Sample ID: 24
Sublist: chrom-PCB13*sub6
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:15 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:07:11

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									M
1	2	1.435	1.435	0.000	10429868	0.4826		100.0	
1	3	1.559	1.554	0.005	4399813	0.5170	25.0- 75.0	42.2	M
1	4	1.587	1.586	0.001	26890493	0.4718	233.2- 283.2	257.8	M
			Average of Peak Amounts =			0.4905			
2	4	1.948	1.948	0.000	6330644	0.4779		100.0	
2	5	2.088	2.088	0.000	4167691	0.4744	37.0- 97.0	65.8	
2	6	2.148	2.148	0.000	15087116	0.4748	210.7- 270.7	238.3	
			Average of Peak Amounts =			0.4757			
						RPD = 3.06			
8 PCB-1254									
1	100	3.542	3.541	0.001	64370551	0.4957		100.0	
1	2	3.956	3.956	0.000	69720842	0.4959	82.6- 132.6	108.3	
1	3	4.260	4.259	0.001	57910295	0.5054	64.9- 114.9	90.0	
1	4	4.467	4.467	0.000	48777658	0.4963	49.9- 99.9	75.8	
1	5	4.769	4.768	0.001	71037028	0.5027	84.1- 134.1	110.4	
			Average of Peak Amounts =			0.4992			
2	6	4.414	4.413	0.001	27491372	0.4800		100.0	
2	7	4.919	4.918	0.001	43106896	0.4862	124.0- 184.0	156.8	
2	8	5.179	5.179	0.000	29791558	0.4900	76.3- 136.3	108.4	
2	9	5.561	5.562	-0.001	32792131	0.4854	87.0- 147.0	119.3	
2	10	5.779	5.779	0.000	42777108	0.4927	121.1- 181.1	155.6	
			Average of Peak Amounts =			0.4869			
						RPD = 2.50			

QC Flag Legend

Review Flags
M - Manually Integrated

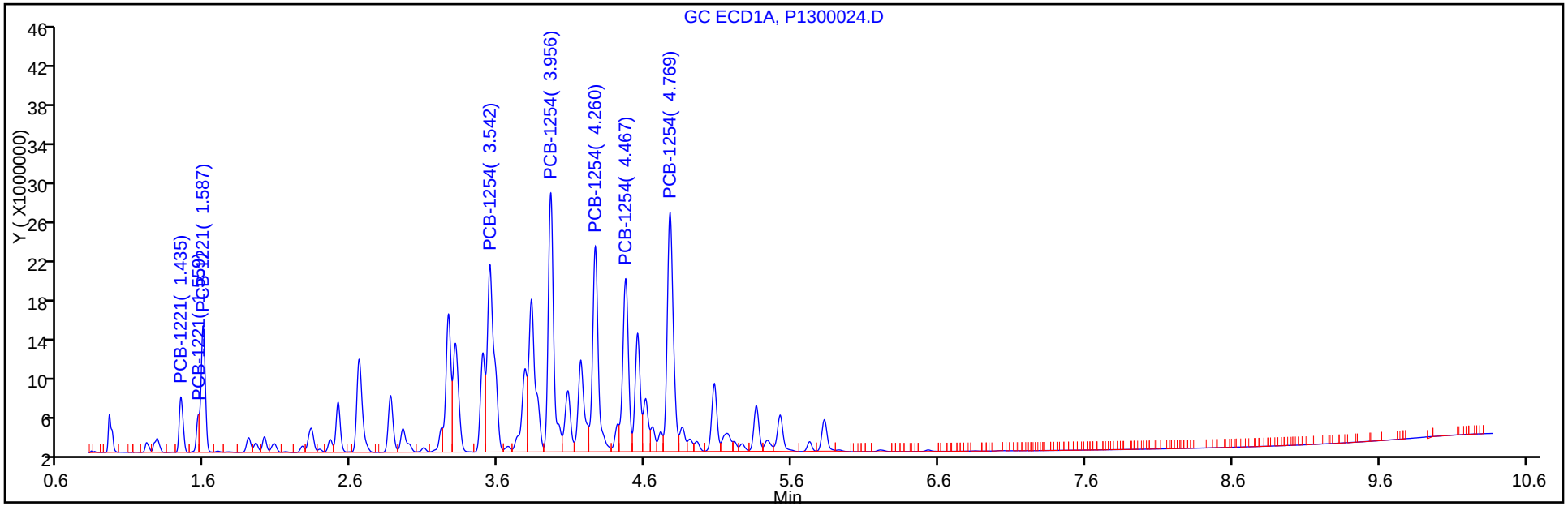
Report Date: 22-Oct-2012 09:18:16 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

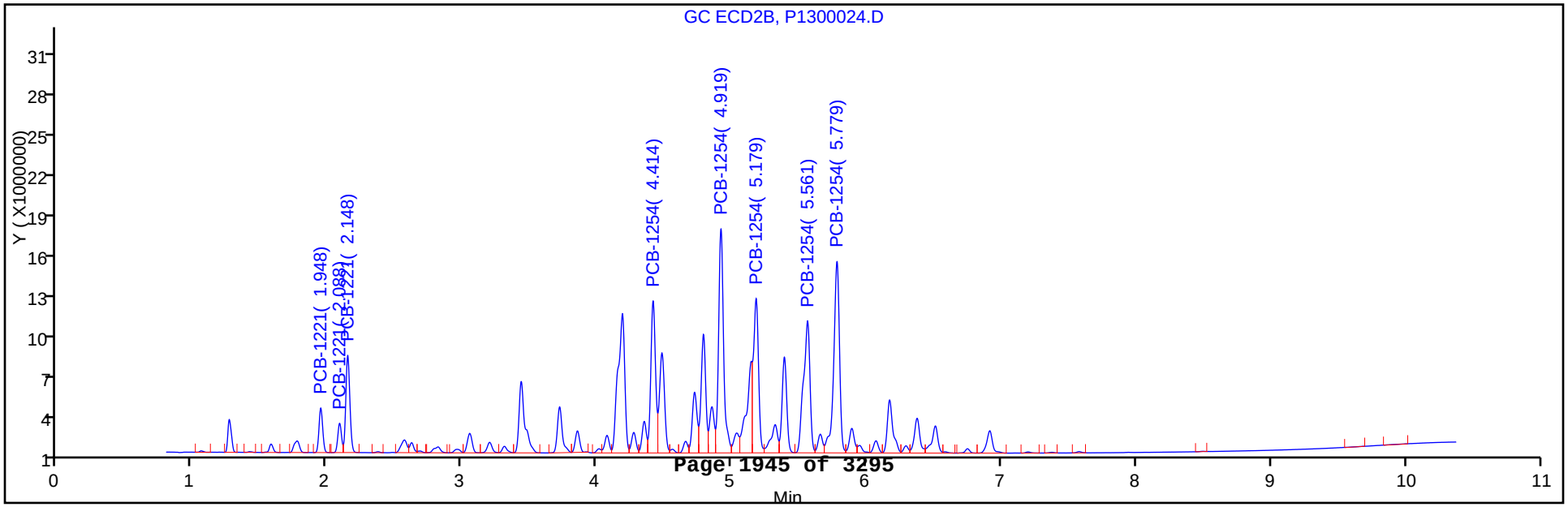
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300024.D

Injection Date:	21-Oct-2012 22:06:41	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	24
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300025.D
Lims ID: STD1 AR2154 Client ID:
Inject. Date: 21-Oct-2012 22:21:34 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0014228-025
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 25
Lims Batch ID: 62068 Lims Sample ID: 25
Sublist: chrom-PCB13*sub6
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:14 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:07:43

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									M
1	2	1.436	1.435	0.001	19416966	0.8985		100.0	
1	3	1.558	1.554	0.004	7440731	0.9737	25.0- 75.0	38.3	M
1	4	1.586	1.586	0.000	49419050	0.8671	233.2- 283.2	254.5	M
			Average of Peak Amounts =			0.9131			
2	4	1.948	1.948	0.000	11957868	0.9027		100.0	
2	5	2.088	2.088	0.000	7792949	0.8870	37.0- 97.0	65.2	
2	6	2.148	2.148	0.000	28432724	0.8949	210.7- 270.7	237.8	
			Average of Peak Amounts =			0.8949			
						RPD = 2.02			
8 PCB-1254									
1	100	3.541	3.541	0.000	120561612	0.9284		100.0	
1	2	3.956	3.956	0.000	131664859	0.9364	82.6- 132.6	109.2	
1	3	4.258	4.259	-0.001	110520159	0.9646	64.9- 114.9	91.7	
1	4	4.466	4.467	-0.001	92256552	0.9387	49.9- 99.9	76.5	
1	5	4.768	4.768	0.000	134779062	0.9537	84.1- 134.1	111.8	
			Average of Peak Amounts =			0.9444			
2	6	4.415	4.413	0.002	52966523	0.9249		100.0	
2	7	4.917	4.918	-0.001	83028670	0.9364	124.0- 184.0	156.8	
2	8	5.179	5.179	0.000	58426984	0.9610	76.3- 136.3	110.3	
2	9	5.561	5.562	-0.001	64281415	0.9515	87.0- 147.0	121.4	
2	10	5.779	5.779	0.000	82957319	0.9555	121.1- 181.1	156.6	
			Average of Peak Amounts =			0.9459			
						RPD = 0.16			

QC Flag Legend

Review Flags
M - Manually Integrated

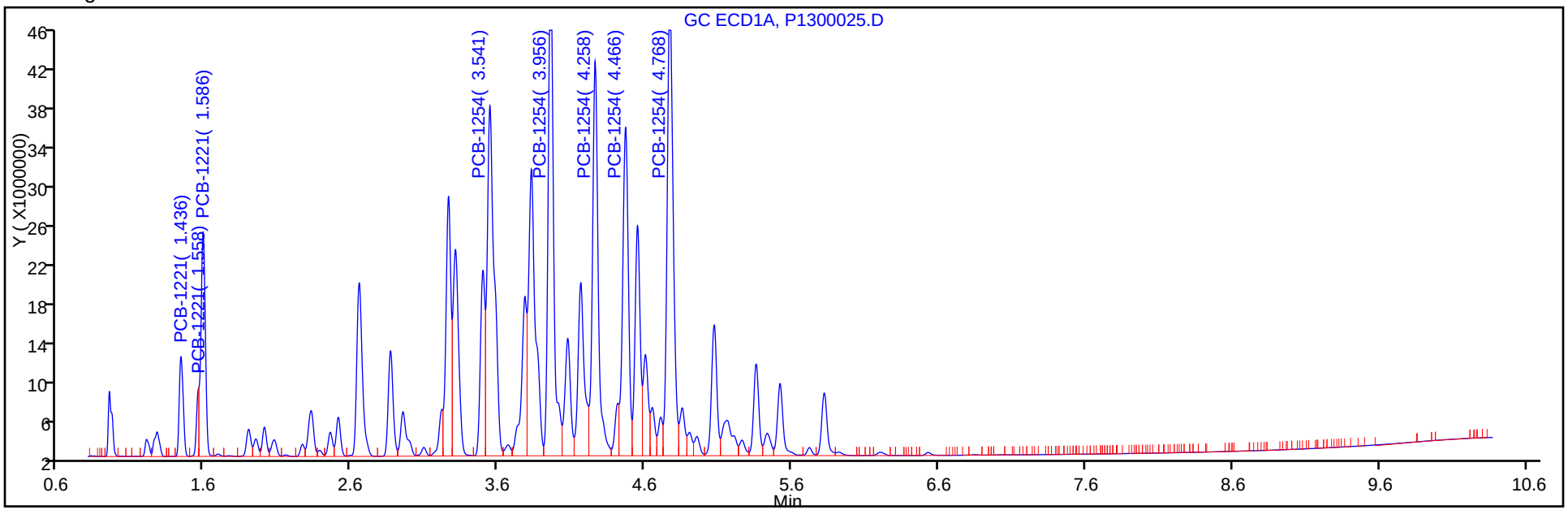
Report Date: 22-Oct-2012 09:18:15 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

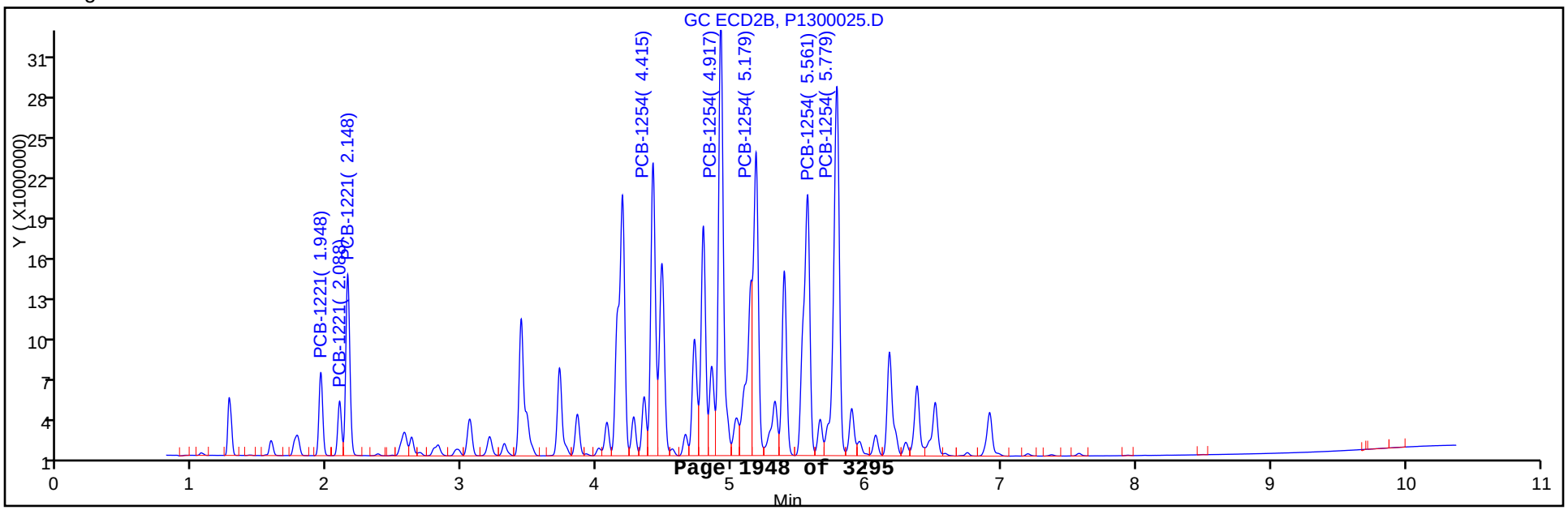
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300025.D

Injection Date:	21-Oct-2012 22:21:34	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	25
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300026.D
Lims ID: STD2 AR2154 Client ID:
Inject. Date: 21-Oct-2012 22:36:27 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 240-0014228-026
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 26
Lims Batch ID: 62068 Lims Sample ID: 26
Sublist: chrom-PCB13*sub6
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:12 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:08:15

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									M
1	2	1.435	1.435	0.000	36752731	1.70		100.0	
1	3	1.555	1.554	0.001	11928209	2.01	25.0- 75.0	32.5	M
1	4	1.587	1.586	0.001	92993540	1.63	233.2- 283.2	253.0	M
			Average of Peak Amounts =			1.78			
2	4	1.948	1.948	0.000	23306725	1.76		100.0	
2	5	2.088	2.088	0.000	14898822	1.70	37.0- 97.0	63.9	
2	6	2.148	2.148	0.000	55006290	1.73	210.7- 270.7	236.0	
			Average of Peak Amounts =			1.73			
						RPD = 2.97			
8 PCB-1254									
1	100	3.541	3.541	0.000	229647270	1.77		100.0	
1	2	3.955	3.956	-0.001	250140664	1.78	82.6- 132.6	108.9	
1	3	4.258	4.259	-0.001	210197993	1.83	64.9- 114.9	91.5	
1	4	4.466	4.467	-0.001	174799795	1.78	49.9- 99.9	76.1	
1	5	4.768	4.768	0.000	255265155	1.81	84.1- 134.1	111.2	
			Average of Peak Amounts =			1.79			
2	6	4.413	4.413	0.000	103997526	1.82		100.0	
2	7	4.917	4.918	-0.001	163223319	1.84	124.0- 184.0	156.9	
2	8	5.178	5.179	-0.001	111493989	1.83	76.3- 136.3	107.2	
2	9	5.561	5.562	-0.001	126925365	1.88	87.0- 147.0	122.0	
2	10	5.779	5.779	0.000	162480349	1.87	121.1- 181.1	156.2	
			Average of Peak Amounts =			1.85			
						RPD = 3.01			

QC Flag Legend

Review Flags
M - Manually Integrated

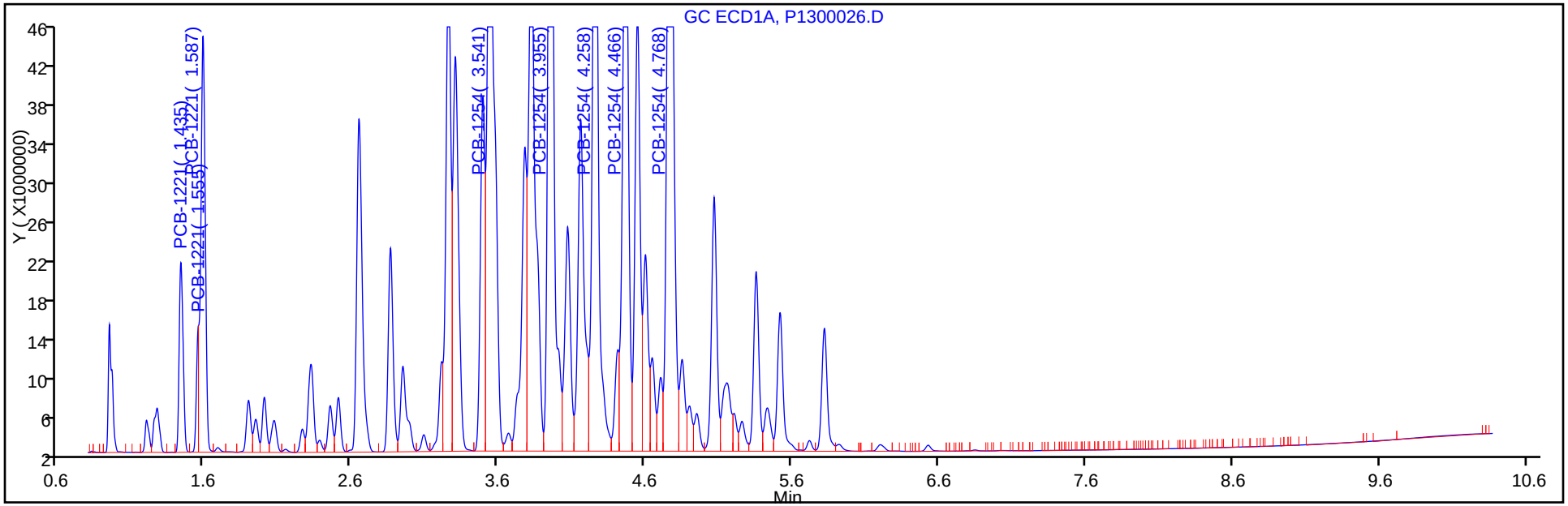
Report Date: 22-Oct-2012 09:18:13 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

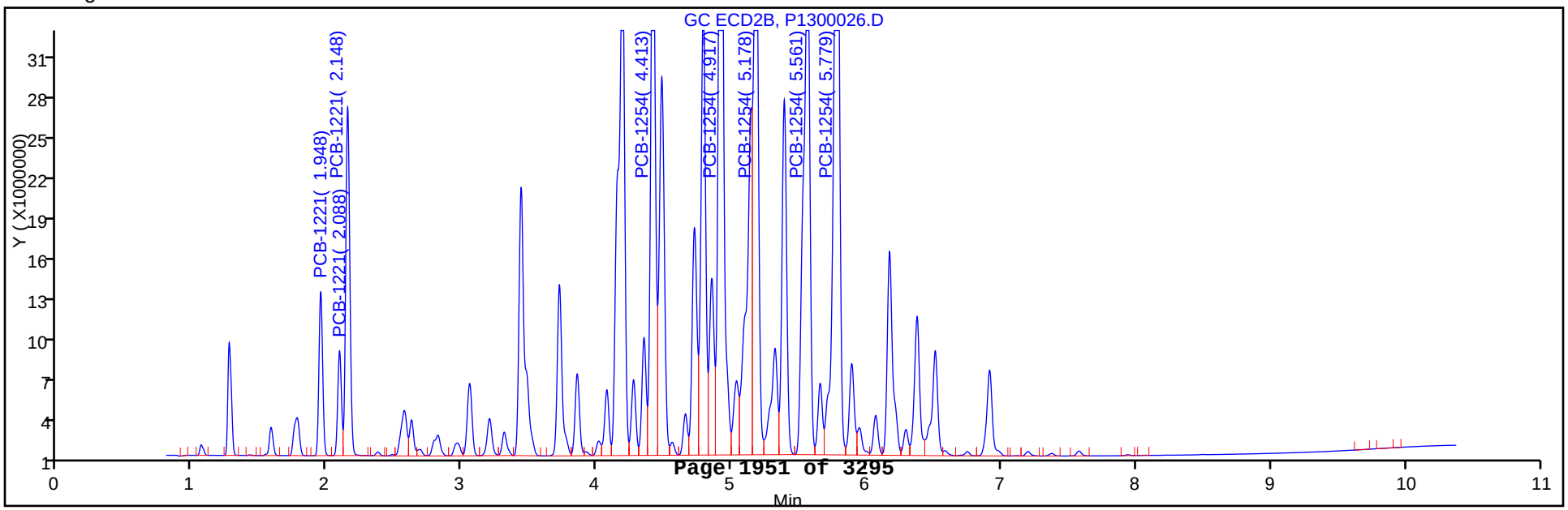
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300026.D

Injection Date:	21-Oct-2012 22:36:27	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	26
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 22:51 Calibration End Date: 10/22/2012 00:05 Calibration ID: 12036

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/27	P1300027.D
Level 2	STD01 240-62068/28	P1300028.D
Level 3	STD02 240-62068/29	P1300029.D
Level 4	STD05 240-62068/30	P1300030.D
Level 5	STD1 240-62068/31	P1300031.D
Level 6	STD2 240-62068/32	P1300032.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1016 Peak 1	1.587	1.587	1.587	1.587	1.588	1.586					1.537 - 1.637	1.587
PCB-1016 Peak 2	1.896	1.897	1.896	1.896	1.897	1.895					1.846 - 1.946	1.896
PCB-1016 Peak 3	2.322	2.322	2.322	2.323	2.323	2.322					2.273 - 2.373	2.322
PCB-1016 Peak 4	2.453	2.453	2.453	2.453	2.454	2.452					2.403 - 2.503	2.453
PCB-1016 Peak 5	2.866	2.867	2.867	2.867	2.868	2.867					2.817 - 2.917	2.867
PCB-1260 Peak 1	4.159	4.161	4.160	4.160	4.160	4.159					4.110 - 4.210	4.160
PCB-1260 Peak 2	4.468	4.469	4.468	4.469	4.468	4.469					4.419 - 4.519	4.469
PCB-1260 Peak 3	4.767	4.768	4.768	4.767	4.768	4.767					4.717 - 4.817	4.768
PCB-1260 Peak 4	5.518	5.517	5.518	5.518	5.518	5.518					5.468 - 5.568	5.518
PCB-1260 Peak 5	5.822	5.821	5.820	5.820	5.821	5.820					5.770 - 5.870	5.821
Tetrachloro-m-xylene	1.288	1.288	1.289	1.289	1.289	1.288					1.239 - 1.339	1.289
DCB Decachlorobiphenyl	7.057	7.057	7.058	7.056	7.057	7.054					7.006 - 7.106	7.057

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 22:51 Calibration End Date: 10/22/2012 00:05 Calibration ID: 12036

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/27	P1300027.D
Level 2	STD01 240-62068/28	P1300028.D
Level 3	STD02 240-62068/29	P1300029.D
Level 4	STD05 240-62068/30	P1300030.D
Level 5	STD1 240-62068/31	P1300031.D
Level 6	STD2 240-62068/32	P1300032.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
PCB-1016 Peak 1	47570600 36354352	44879620 33033344	42064845	40030500	Ave		40655543.5				13.0		20.0			
PCB-1016 Peak 2	86111360 64408075	79910890 59039442	73338035	68454090	Ave		71876981.9				14.0		20.0			
PCB-1016 Peak 3	180505160 142796313	167514060 133101529	157810350	149580956	Ave		155218061				11.0		20.0			
PCB-1016 Peak 4	71981180 60751481	67204130 57912659	65508860	63476760	Ave		64472511.6				7.7		20.0			
PCB-1016 Peak 5	80605560 62498314	72179060 59592302	68510180	63709390	Ave		67849134.3				11.0		20.0			
PCB-1260 Peak 1	115807120 94842713	107789480 89860055	101670520	98163952	Ave		101355640				9.2		20.0			
PCB-1260 Peak 2	227193120 187849831	215268890 177045456	203431520	193006726	Ave		200632590				9.2		20.0			
PCB-1260 Peak 3	220698560 190365810	211602070 179930711	201551830	196110274	Ave		200043209				7.3		20.0			
PCB-1260 Peak 4	289489620 263611969	284526700 249898539	273549365	269783558	Ave		271809958				5.3		20.0			
PCB-1260 Peak 5	136652340 126153832	134515880 120750822	128595710	128244336	Ave		129152153				4.5		20.0			
Tetrachloro-m-xylene	2606107200 2102795960	2470085400 1924357420	2397259000	2196600400	Ave		2282867563				11.0		20.0			
DCB Decachlorobiphenyl	2510979200 2286534400	2398843800 2231318180	2314914800	2265365840	Ave		2334659370				4.4		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 22:51 Calibration End Date: 10/22/2012 00:05 Calibration ID: 12036

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/27	P1300027.D
Level 2	STD01 240-62068/28	P1300028.D
Level 3	STD02 240-62068/29	P1300029.D
Level 4	STD05 240-62068/30	P1300030.D
Level 5	STD1 240-62068/31	P1300031.D
Level 6	STD2 240-62068/32	P1300032.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	Ave	2378530 66066688	4487962	8412969	20015250	36354352	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 2	Ave	4305568 118078883	7991089	14667607	34227045	64408075	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 3	Ave	9025258 266203057	16751406	31562070	74790478	142796313	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 4	Ave	3599059 115825317	6720413	13101772	31738380	60751481	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 5	Ave	4030278 119184603	7217906	13702036	31854695	62498314	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 1	Ave	5790356 179720110	10778948	20334104	49081976	94842713	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 2	Ave	11359656 354090911	21526889	40686304	96503363	187849831	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 3	Ave	11034928 359861421	21160207	40310366	98055137	190365810	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 4	Ave	14474481 499797077	28452670	54709873	134891779	263611969	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 5	Ave	6832617 241501643	13451588	25719142	64122168	126153832	0.0500 2.00	0.100	0.200	0.500	1.00
Tetrachloro-m-xylene	Ave	6515268 192435742	12350427	23972590	54915010	105139798	0.00250 0.100	0.00500	0.0100	0.0250	0.0500
DCB Decachlorobiphenyl	Ave	6277448 223131818	11994219	23149148	56634146	114326720	0.00250 0.100	0.00500	0.0100	0.0250	0.0500

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300027.D		
Lims ID:	STD005 1660	Client ID:	
Inject. Date:	21-Oct-2012 22:51:20	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	240-0014228-027		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 ul	ALS Bottle#:	27
Lims Batch ID:	62068	Lims Sample ID:	27
Sublist:	chrom-PCB13*sub10		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m		
Last Update:	22-Oct-2012 09:18:10	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK013		

First Level Reviewer: hassl Date: 22-Oct-2012 09:08:33

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.288	1.289	-0.001	6515268	0.002854			
2	2	1.650	1.651	-0.001	3761903	0.002618			
						RPD = 8.63			
6 PCB-1016									M
1	100	1.587	1.587	0.000	2378530	0.0585		100.0	M
1	2	1.896	1.896	0.000	4305568	0.0599	149.3- 199.3	181.0	
1	3	2.322	2.323	-0.001	9025258	0.0581	350.2- 400.2	379.4	
1	4	2.453	2.453	0.000	3599059	0.0558	130.7- 180.7	151.3	
1	5	2.866	2.867	-0.001	4030278	0.0594	137.9- 187.9	169.4	
			Average of Peak Amounts =			0.0584			
2	6	2.147	2.147	0.000	1302990	0.0580		100.0	
2	7	2.571	2.571	0.000	2716165	0.0579	176.5- 236.5	208.5	
2	8	3.052	3.054	-0.002	5034554	0.0554	362.5- 422.5	386.4	
2	9	3.200	3.201	-0.001	2214859	0.0572	137.9- 197.9	170.0	
2	10	3.854	3.854	0.000	1955492	0.0542	118.8- 178.8	150.1	
			Average of Peak Amounts =			0.0565			
						RPD = 3.15			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.159	4.160	-0.001	5790356	0.0571		100.0	
1	2	4.468	4.469	-0.001	11359656	0.0566	175.1- 225.1	196.2	
1	3	4.767	4.767	0.000	11034928	0.0552	173.2- 223.2	190.6	
1	4	5.518	5.518	0.000	14474481	0.0533	244.1- 294.1	250.0	
1	5	5.822	5.820	0.002	6832617	0.0529	101.5- 151.5	118.0	
			Average of Peak Amounts =			0.0550			
2	6	5.141	5.141	0.000	3688022	0.0553		100.0	
2	7	5.386	5.389	-0.003	7772445	0.0671	86.6- 146.6	210.7	
2	8	5.777	5.776	0.001	6319472	0.0541	142.9- 202.9	171.4	
2	9	6.508	6.509	-0.001	7463574	0.0525	179.5- 239.5	202.4	
2	10	6.910	6.910	0.000	5536326	0.0532	121.8- 181.8	150.1	
			Average of Peak Amounts =			0.0564			
						RPD = 2.55			
$ 12 DCB Decachlorobiphenyl									
1	100	7.057	7.056	0.001	6277448	0.002689			
2	2	8.223	8.224	-0.001	3592262	0.002667			
						RPD = 0.81			

QC Flag Legend

Review Flags
M - Manually Integrated

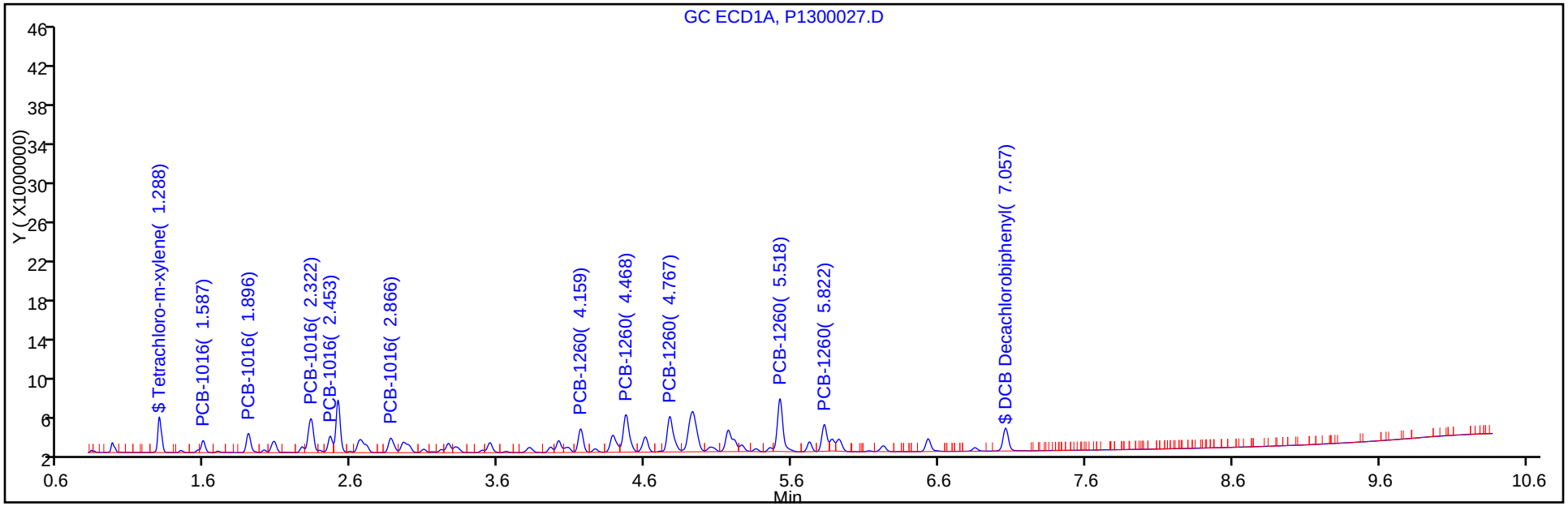
Report Date: 22-Oct-2012 09:18:11 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

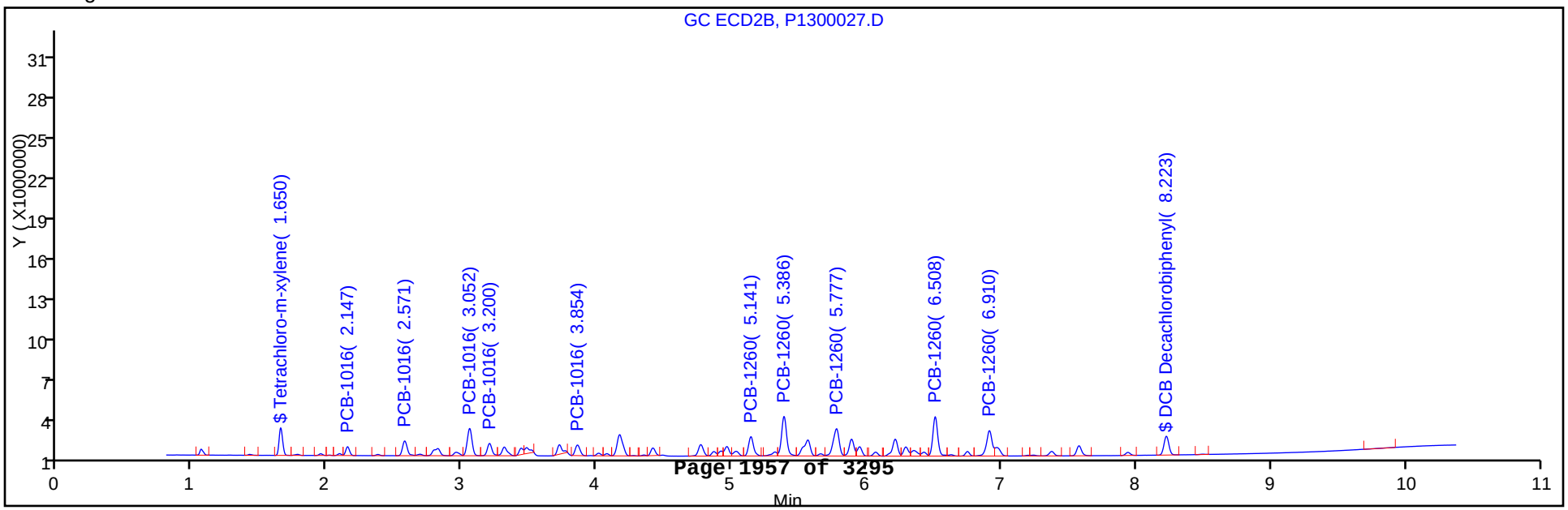
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300027.D

Injection Date:	21-Oct-2012 22:51:20	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	27
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



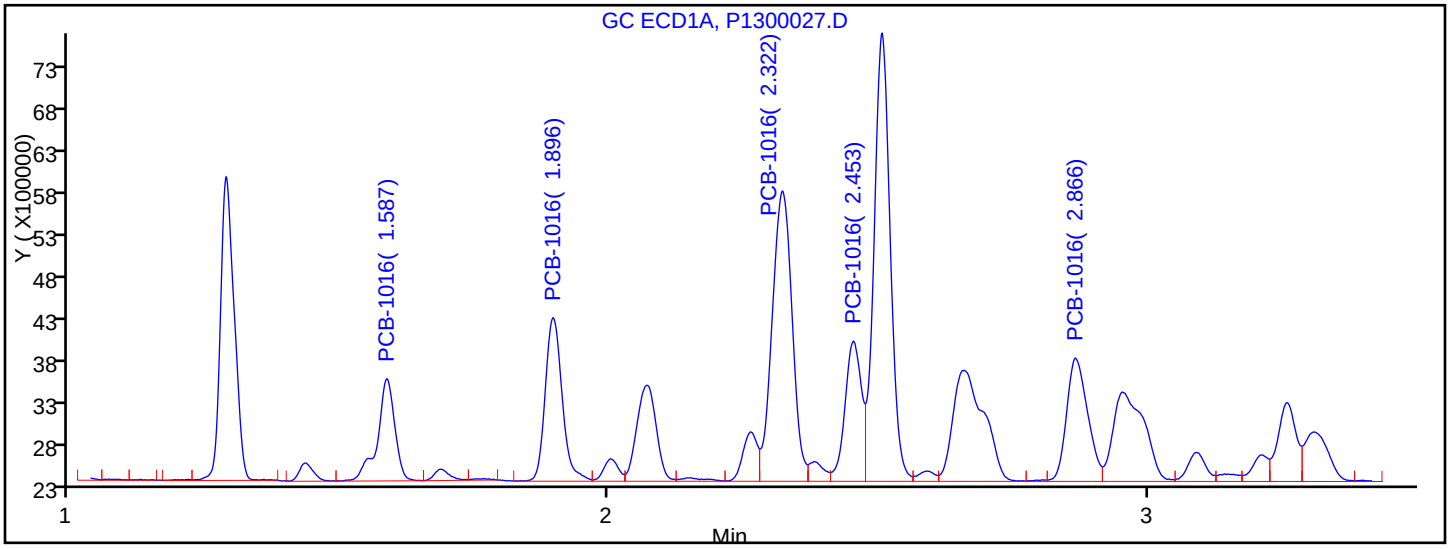
Report Date: 22-Oct-2012 09:18:11 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300027.D

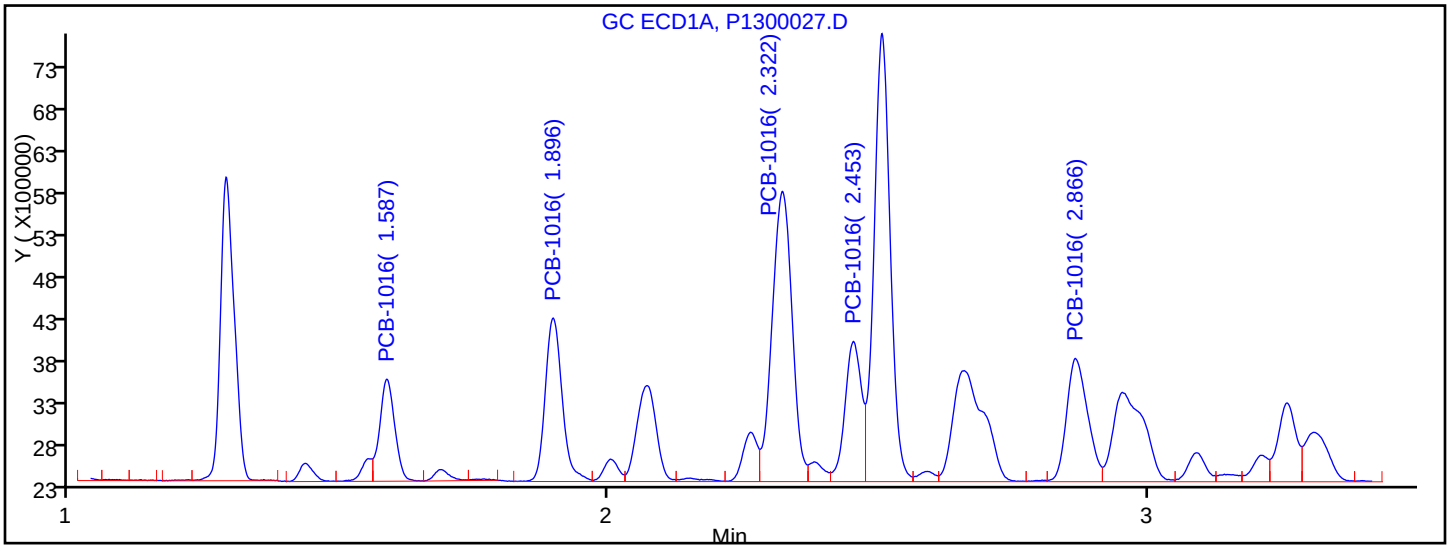
Injection Date:	21-Oct-2012 22:51:20	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	27
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

6 PCB-1016, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.587	Response = 2761795	M
RT = 1.896	Response = 4305568	
RT = 2.322	Response = 9025258	
RT = 2.453	Response = 3599059	
RT = 2.866	Response = 4030278	



Manual Integration Results

RT = 1.587	Response = 2378530	M
RT = 1.896	Response = 4305568	
RT = 2.322	Response = 9025258	
RT = 2.453	Response = 3599059	
RT = 2.866	Response = 4030278	

Reviewer: hassl, 22-Oct-2012 09:08:33

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300028.D		
Lims ID:	STD01 1660	Client ID:	
Inject. Date:	21-Oct-2012 23:06:20	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	240-0014228-028		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 ul	ALS Bottle#:	28
Lims Batch ID:	62068	Lims Sample ID:	28
Sublist:	chrom-PCB13*sub10		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m		
Last Update:	22-Oct-2012 09:18:08	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK013		

First Level Reviewer: hassl Date: 22-Oct-2012 09:08:48

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.288	1.289	-0.001	12350427	0.005410			
2	2	1.651	1.651	0.000	7279892	0.005066			
						RPD = 6.57			
6 PCB-1016									M
1	100	1.587	1.587	0.000	4487962	0.1104		100.0	M
1	2	1.897	1.896	0.001	7991089	0.1112	149.3- 199.3	178.1	
1	3	2.322	2.323	-0.001	16751406	0.1079	350.2- 400.2	373.3	
1	4	2.453	2.453	0.000	6720413	0.1042	130.7- 180.7	149.7	
1	5	2.867	2.867	0.000	7217906	0.1064	137.9- 187.9	160.8	
			Average of Peak Amounts =			0.1080			
2	6	2.147	2.147	0.000	2436057	0.1084		100.0	
2	7	2.572	2.571	0.001	5096263	0.1086	176.5- 236.5	209.2	
2	8	3.052	3.054	-0.002	9503247	0.1046	362.5- 422.5	390.1	
2	9	3.201	3.201	0.000	4151320	0.1072	137.9- 197.9	170.4	
2	10	3.853	3.854	-0.001	3904064	0.1082	118.8- 178.8	160.3	
			Average of Peak Amounts =			0.1074			
						RPD = 0.56			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.161	4.160	0.001	10778948	0.1063		100.0	
1	2	4.469	4.469	0.000	21526889	0.1073	175.1- 225.1	199.7	
1	3	4.768	4.767	0.001	21160207	0.1058	173.2- 223.2	196.3	
1	4	5.517	5.518	-0.001	28452670	0.1047	244.1- 294.1	264.0	
1	5	5.821	5.820	0.001	13451588	0.1042	101.5- 151.5	124.8	
			Average of Peak Amounts =			0.1057			
2	6	5.141	5.141	0.000	6962734	0.1045		100.0	
2	7	5.387	5.389	-0.002	8255175	0.0740	86.6- 146.6	118.6	
2	8	5.775	5.776	-0.001	12150372	0.1040	142.9- 202.9	174.5	
2	9	6.509	6.509	0.000	14484067	0.1018	179.5- 239.5	208.0	
2	10	6.911	6.910	0.001	10796592	0.1037	121.8- 181.8	155.1	
			Average of Peak Amounts =			0.0976			
						RPD = 7.93			
$ 12 DCB Decachlorobiphenyl									
1	100	7.057	7.056	0.001	11994219	0.005137			
2	2	8.224	8.224	0.000	6693013	0.004969			
						RPD = 3.33			

QC Flag Legend

Review Flags
M - Manually Integrated

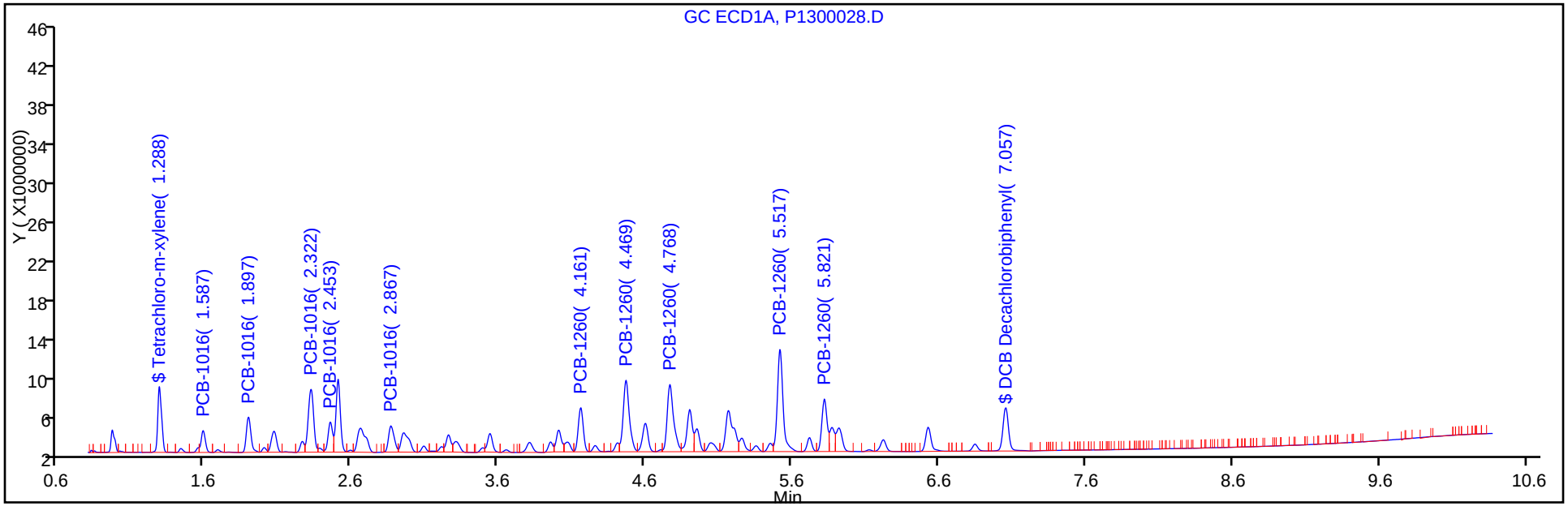
Report Date: 22-Oct-2012 09:18:09 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

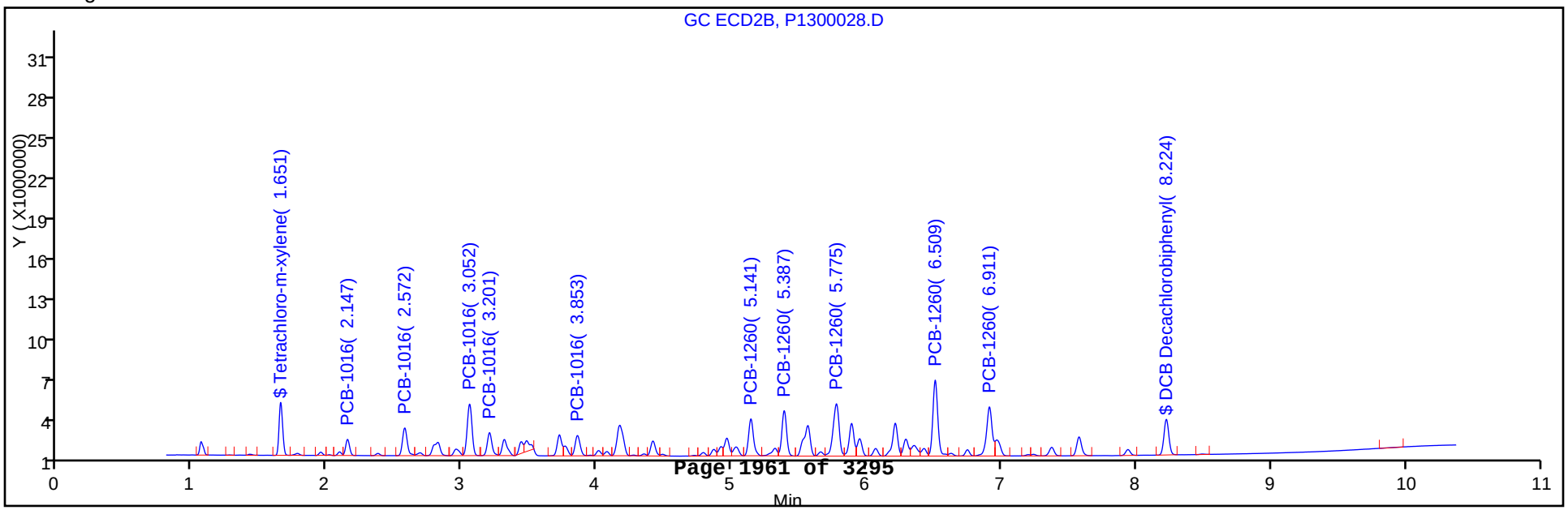
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300028.D

Injection Date:	21-Oct-2012 23:06:20	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	28
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



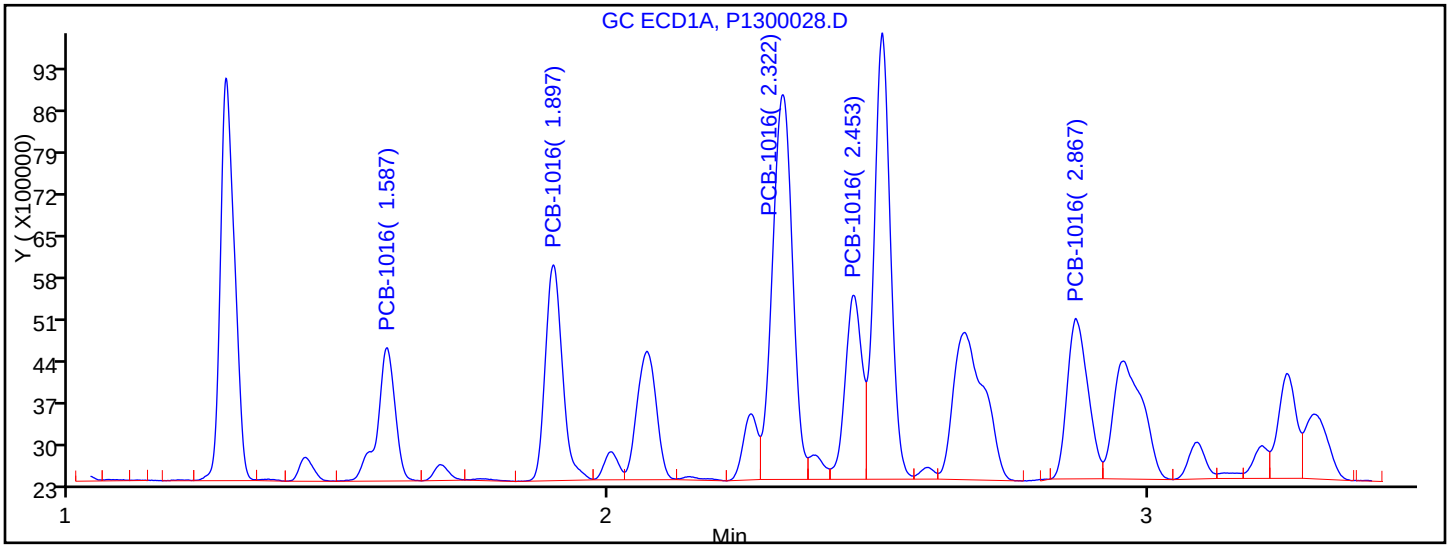
Report Date: 22-Oct-2012 09:18:09 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300028.D

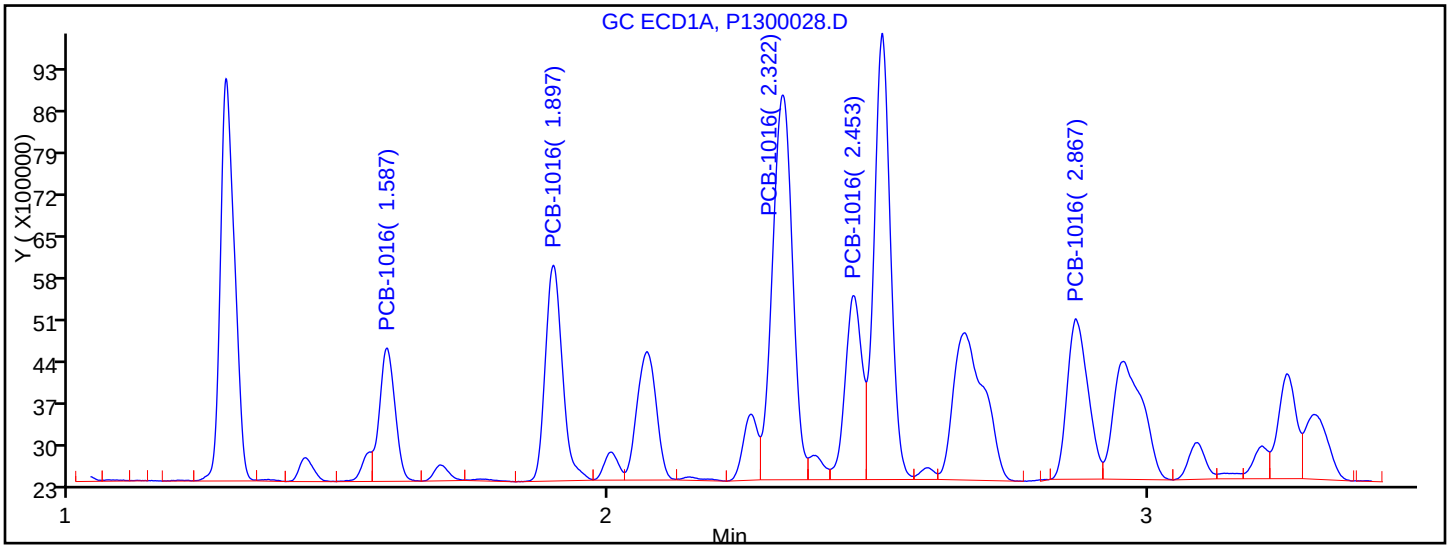
Injection Date:	21-Oct-2012 23:06:20	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	28
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

6 PCB-1016, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.587	Response = 5130873	M
RT = 1.897	Response = 7991089	
RT = 2.322	Response = 16751406	
RT = 2.453	Response = 6720413	
RT = 2.867	Response = 7217906	



Manual Integration Results

RT = 1.587	Response = 4487962	M
RT = 1.897	Response = 7991089	
RT = 2.322	Response = 16751406	
RT = 2.453	Response = 6720413	
RT = 2.867	Response = 7217906	

Reviewer: hassl, 22-Oct-2012 09:08:48

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300029.D		
Lims ID:	STD02 1660	Client ID:	
Inject. Date:	21-Oct-2012 23:21:13	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	240-0014228-029		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 ul	ALS Bottle#:	29
Lims Batch ID:	62068	Lims Sample ID:	29
Sublist:	chrom-PCB13*sub10		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m		
Last Update:	22-Oct-2012 09:18:06	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK013		

First Level Reviewer: hassl Date: 22-Oct-2012 09:09:02

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.289	1.289	0.000	23972590	0.0105			
2	2	1.651	1.651	0.000	14504443	0.0101			
						RPD = 3.96			
6 PCB-1016									M
1	100	1.587	1.587	0.000	8412969	0.2069		100.0	M
1	2	1.896	1.896	0.000	14667607	0.2041	149.3- 199.3	174.3	
1	3	2.322	2.323	-0.001	31562070	0.2033	350.2- 400.2	375.2	
1	4	2.453	2.453	0.000	13101772	0.2032	130.7- 180.7	155.7	
1	5	2.867	2.867	0.000	13702036	0.2019	137.9- 187.9	162.9	
			Average of Peak Amounts =			0.2039			
2	6	2.147	2.147	0.000	4591551	0.2043		100.0	
2	7	2.571	2.571	0.000	9479305	0.2021	176.5- 236.5	206.5	
2	8	3.053	3.054	-0.001	18023698	0.1984	362.5- 422.5	392.5	
2	9	3.201	3.201	0.000	7710403	0.1991	137.9- 197.9	167.9	
2	10	3.854	3.854	0.000	6834098	0.1895	118.8- 178.8	148.8	
			Average of Peak Amounts =			0.1987			
						RPD = 2.59			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.160	4.160	0.000	20334104	0.2006		100.0	
1	2	4.468	4.469	-0.001	40686304	0.2028	175.1- 225.1	200.1	
1	3	4.768	4.767	0.001	40310366	0.2015	173.2- 223.2	198.2	
1	4	5.518	5.518	0.000	54709873	0.2013	244.1- 294.1	269.1	
1	5	5.820	5.820	0.000	25719142	0.1991	101.5- 151.5	126.5	
			Average of Peak Amounts =			0.2011			
2	6	5.141	5.141	0.000	13386031	0.2008		100.0	
2	7	5.388	5.389	-0.001	15606161	0.1787	86.6- 146.6	116.6	
2	8	5.776	5.776	0.000	23144385	0.1981	142.9- 202.9	172.9	
2	9	6.509	6.509	0.000	28046732	0.1971	179.5- 239.5	209.5	
2	10	6.911	6.910	0.001	20320972	0.1951	121.8- 181.8	151.8	
			Average of Peak Amounts =			0.1940			
						RPD = 3.59			
$ 12 DCB Decachlorobiphenyl									
1	100	7.058	7.056	0.002	23149148	0.0099			
2	2	8.224	8.224	0.000	13278288	0.009858			
						RPD = 0.58			

QC Flag Legend

Review Flags
M - Manually Integrated

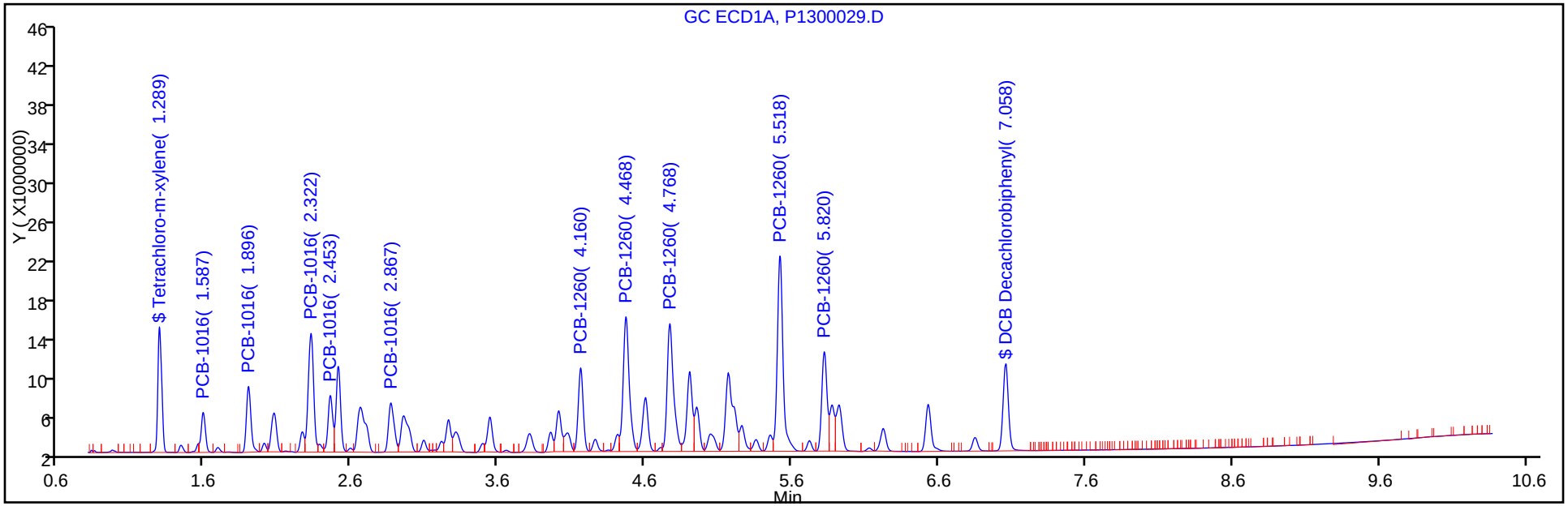
Report Date: 22-Oct-2012 09:18:07 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

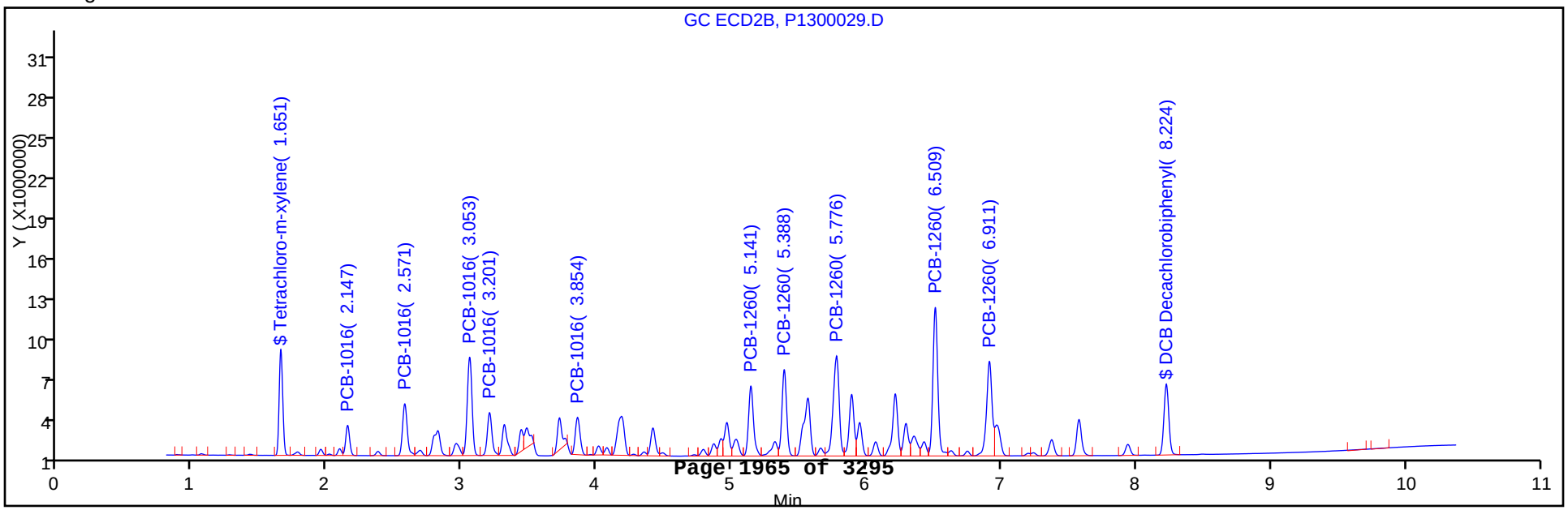
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300029.D

Injection Date:	21-Oct-2012 23:21:13	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	29
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



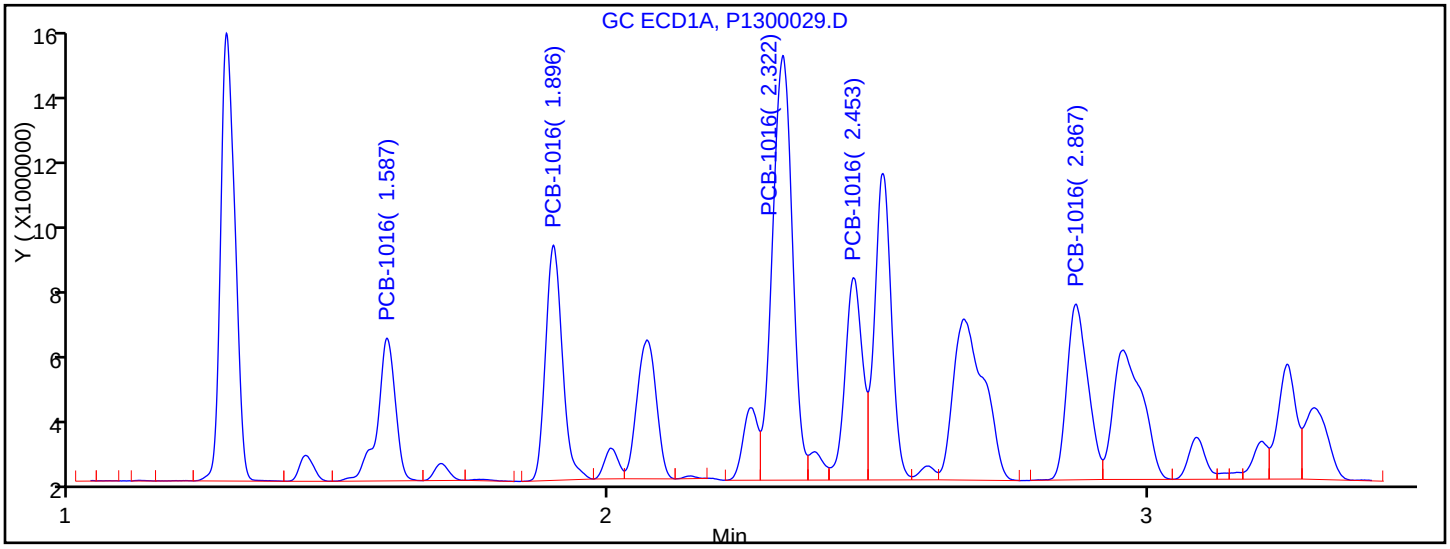
Report Date: 22-Oct-2012 09:18:07 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300029.D

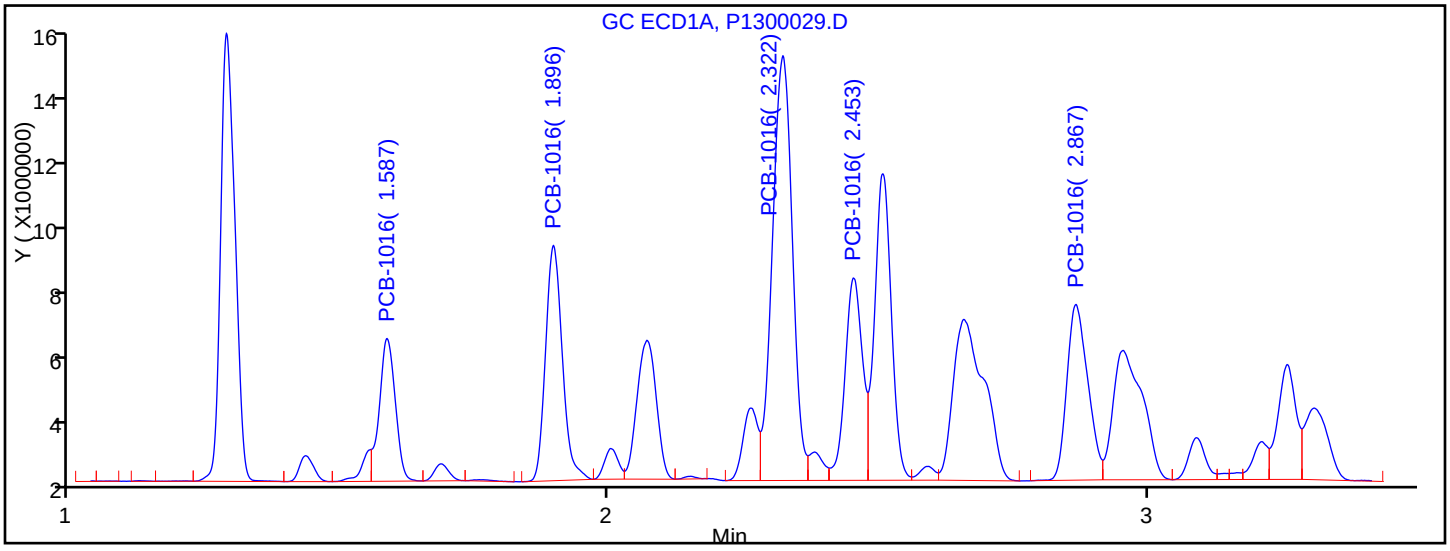
Injection Date:	21-Oct-2012 23:21:13	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	29
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

6 PCB-1016, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.587 Response = 9534127 M
RT = 1.896 Response = 14667607
RT = 2.322 Response = 31562070
RT = 2.453 Response = 13101772
RT = 2.867 Response = 13702036



Manual Integration Results

RT = 1.587 Response = 8412969 M
RT = 1.896 Response = 14667607
RT = 2.322 Response = 31562070
RT = 2.453 Response = 13101772
RT = 2.867 Response = 13702036

Reviewer: hassl, 22-Oct-2012 09:09:02
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300030.D		
Lims ID:	STD05 1660	Client ID:	
Inject. Date:	21-Oct-2012 23:36:05	Dil. Factor:	1.0000
Sample Type:	ICRT	Calib Level:	4
Sample ID:	240-0014228-030		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 ul	ALS Bottle#:	30
Lims Batch ID:	62068	Lims Sample ID:	30
Sublist:	chrom-PCB13*sub10		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m		
Last Update:	22-Oct-2012 09:18:05	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK013		

First Level Reviewer: hassl Date: 22-Oct-2012 09:09:17

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.289	1.289	0.000	54915010	0.0241			
2	2	1.651	1.651	0.000	34986071	0.0243			
						RPD = 1.20			
6 PCB-1016									M
1	100	1.587	1.587	0.000	20015250	0.4923		100.0	M
1	2	1.896	1.896	0.000	34227045	0.4762	149.3- 199.3	171.0	
1	3	2.323	2.323	0.000	74790478	0.4818	350.2- 400.2	373.7	
1	4	2.453	2.453	0.000	31738380	0.4923	130.7- 180.7	158.6	
1	5	2.867	2.867	0.000	31854695	0.4695	137.9- 187.9	159.2	
			Average of Peak Amounts =			0.4824			
2	6	2.147	2.147	0.000	10562811	0.4700		100.0	
2	7	2.571	2.571	0.000	22222441	0.4737	176.5- 236.5	210.4	
2	8	3.054	3.054	0.000	43856306	0.4827	362.5- 422.5	415.2	
2	9	3.201	3.201	0.000	18332287	0.4735	137.9- 197.9	173.6	
2	10	3.854	3.854	0.000	17643709	0.4892	118.8- 178.8	167.0	
			Average of Peak Amounts =			0.4778			
						RPD = 0.96			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.160	4.160	0.000	49081976	0.4843		100.0	
1	2	4.469	4.469	0.000	96503363	0.4810	175.1- 225.1	196.6	
1	3	4.767	4.767	0.000	98055137	0.4902	173.2- 223.2	199.8	
1	4	5.518	5.518	0.000	134891779	0.4963	244.1- 294.1	274.8	
1	5	5.820	5.820	0.000	64122168	0.4965	101.5- 151.5	130.6	
			Average of Peak Amounts =			0.4896			
2	6	5.141	5.141	0.000	31938771	0.4792		100.0	
2	7	5.389	5.389	0.000	38322383	0.5024	86.6- 146.6	120.0	
2	8	5.776	5.776	0.000	56366268	0.4824	142.9- 202.9	176.5	
2	9	6.509	6.509	0.000	69901748	0.4913	179.5- 239.5	218.9	
2	10	6.910	6.910	0.000	50633965	0.4862	121.8- 181.8	158.5	
			Average of Peak Amounts =			0.4883			
						RPD = 0.27			
$ 12 DCB Decachlorobiphenyl									
1	100	7.056	7.056	0.000	56634146	0.0243			
2	2	8.224	8.224	0.000	32766491	0.0243			
						RPD = 0.28			

QC Flag Legend

Review Flags
M - Manually Integrated

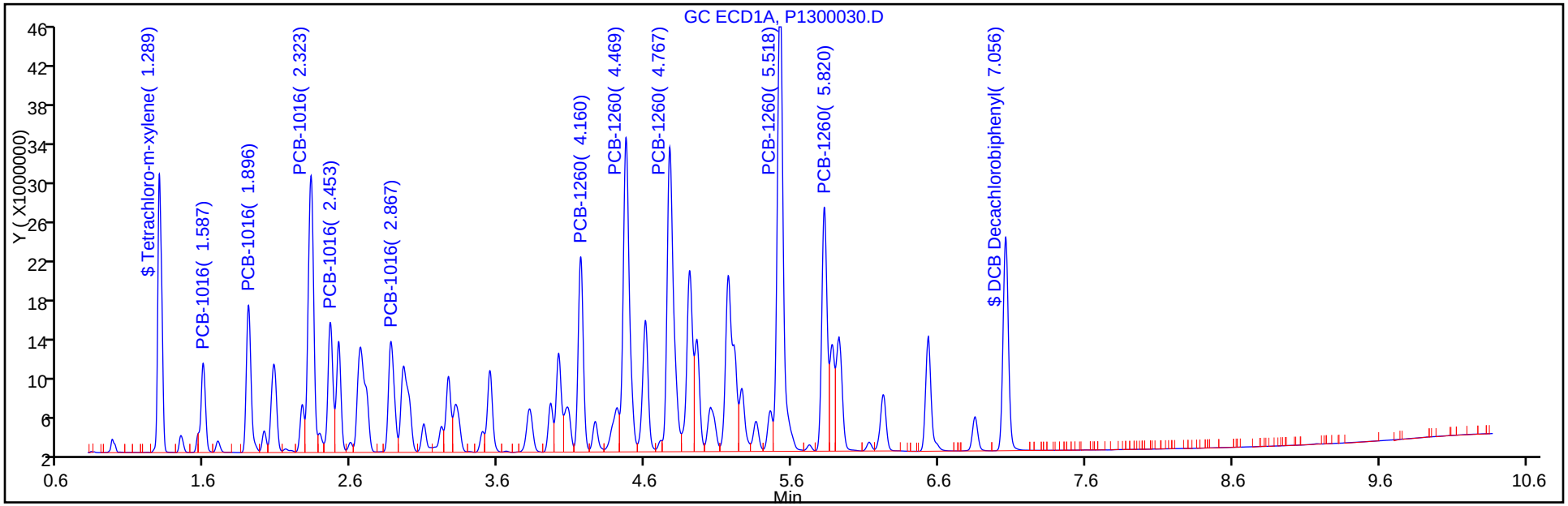
Report Date: 22-Oct-2012 09:18:06 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

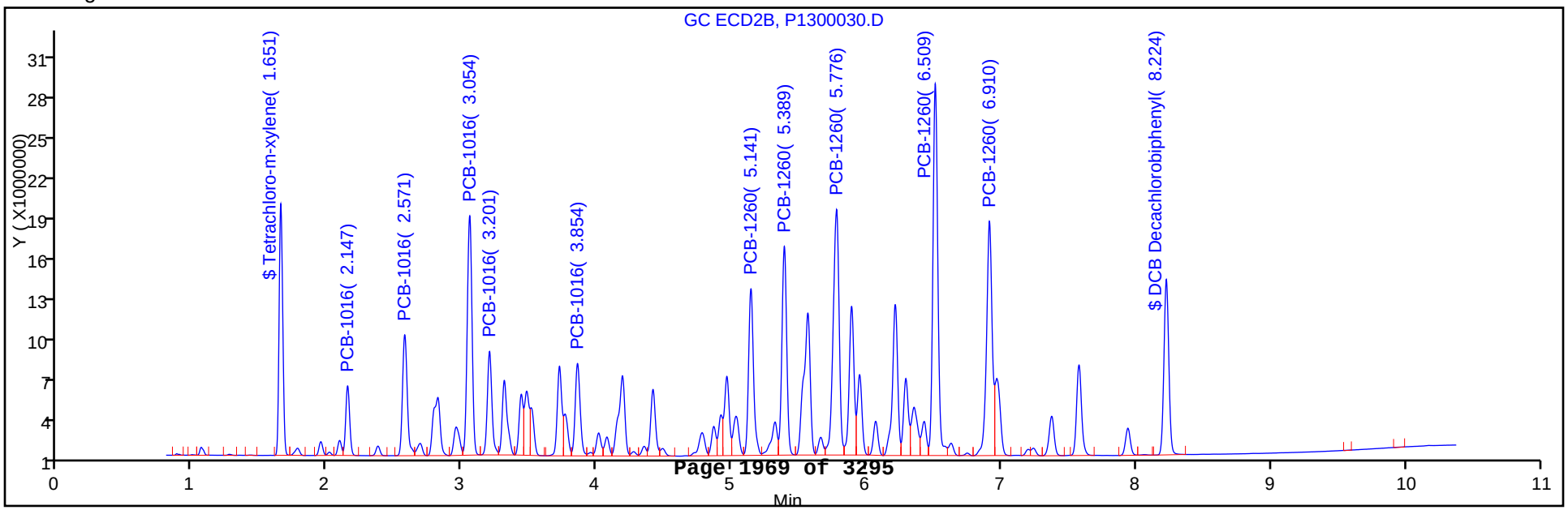
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300030.D

Injection Date:	21-Oct-2012 23:36:05	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	30
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



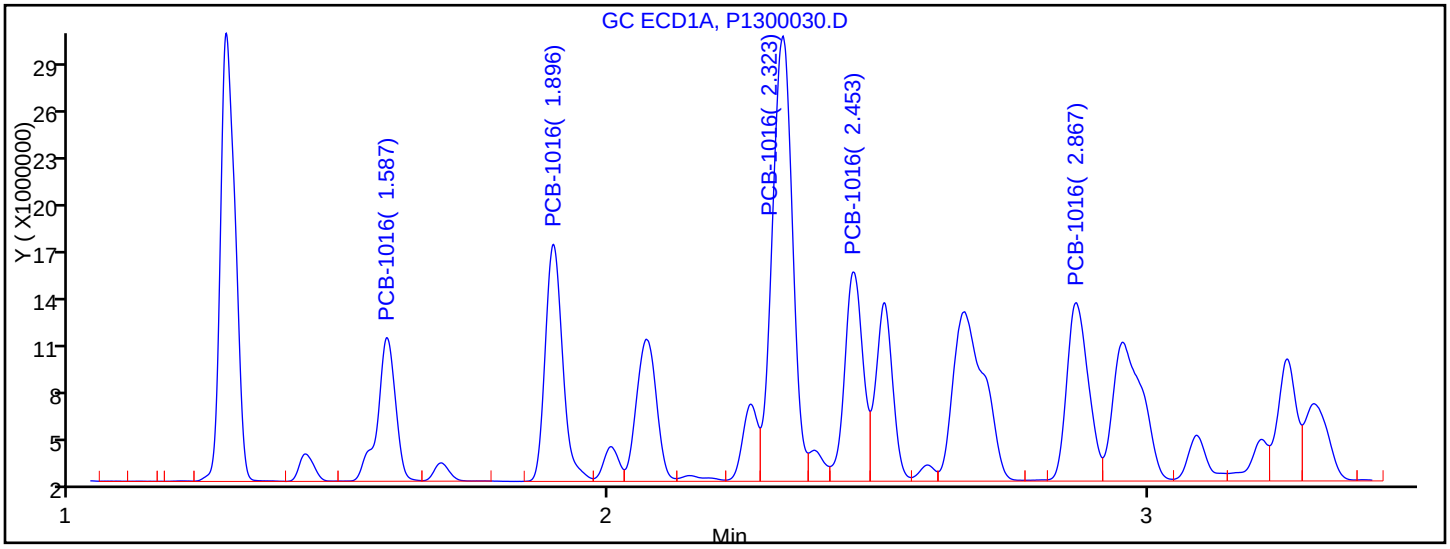
Report Date: 22-Oct-2012 09:18:06 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300030.D

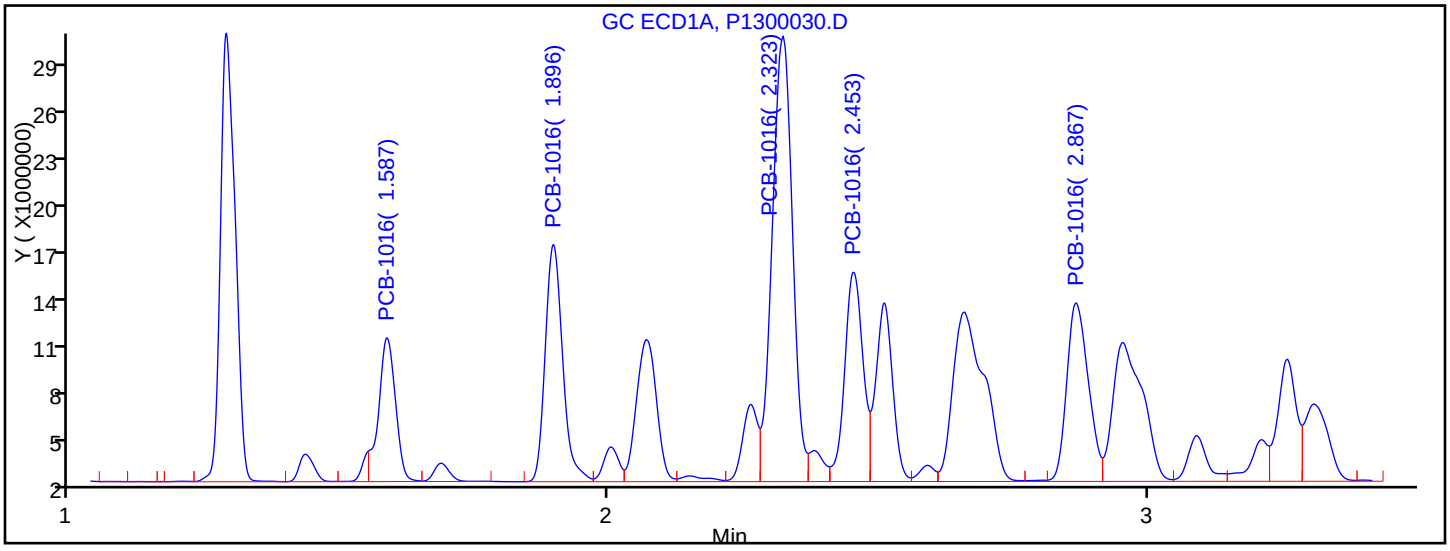
Injection Date:	21-Oct-2012 23:36:05	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	30
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

6 PCB-1016, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.587	Response = 21555059	M
RT = 1.896	Response = 34227045	
RT = 2.323	Response = 74790478	
RT = 2.453	Response = 31738380	
RT = 2.867	Response = 31854695	



Manual Integration Results

RT = 1.587	Response = 20015250	M
RT = 1.896	Response = 34227045	
RT = 2.323	Response = 74790478	
RT = 2.453	Response = 31738380	
RT = 2.867	Response = 31854695	

Reviewer: hassl, 22-Oct-2012 09:09:17

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300031.D		
Lims ID:	STD1 1660	Client ID:	
Inject. Date:	21-Oct-2012 23:50:59	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	240-0014228-031		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 ul	ALS Bottle#:	31
Lims Batch ID:	62068	Lims Sample ID:	31
Sublist:	chrom-PCB13*sub10		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m		
Last Update:	22-Oct-2012 09:18:03	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK013		

First Level Reviewer: hassl Date: 22-Oct-2012 09:09:35

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.289	1.289	0.000	105139798	0.0461			
2	2	1.652	1.651	0.001	71004501	0.0494			
						RPD = 7.03			
6 PCB-1016									M
1	100	1.588	1.587	0.001	36354352	0.8942		100.0	M
1	2	1.897	1.896	0.001	64408075	0.8961	149.3- 199.3	177.2	
1	3	2.323	2.323	0.000	142796313	0.9200	350.2- 400.2	392.8	
1	4	2.454	2.453	0.001	60751481	0.9423	130.7- 180.7	167.1	
1	5	2.868	2.867	0.001	62498314	0.9211	137.9- 187.9	171.9	
			Average of Peak Amounts =			0.9147			
2	6	2.148	2.147	0.001	20522052	0.9132		100.0	
2	7	2.572	2.571	0.001	43028180	0.9172	176.5- 236.5	209.7	
2	8	3.053	3.054	-0.001	86921748	0.9567	362.5- 422.5	423.6	
2	9	3.200	3.201	-0.001	36030617	0.9306	137.9- 197.9	175.6	
2	10	3.853	3.854	-0.001	34526619	0.9573	118.8- 178.8	168.2	
			Average of Peak Amounts =			0.9350			
						RPD = 2.19			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.160	4.160	0.000	94842713	0.9357		100.0	
1	2	4.468	4.469	-0.001	187849831	0.9363	175.1- 225.1	198.1	
1	3	4.768	4.767	0.001	190365810	0.9516	173.2- 223.2	200.7	
1	4	5.518	5.518	0.000	263611969	0.9698	244.1- 294.1	277.9	
1	5	5.821	5.820	0.001	126153832	0.9768	101.5- 151.5	133.0	
			Average of Peak Amounts =			0.9541			
2	6	5.142	5.141	0.001	63406259	0.9514		100.0	
2	7	5.388	5.389	-0.001	73993635	1.01	86.6- 146.6	116.7	
2	8	5.777	5.776	0.001	113549892	0.9719	142.9- 202.9	179.1	
2	9	6.509	6.509	0.000	141048533	0.99	179.5- 239.5	222.5	
2	10	6.912	6.910	0.002	102225663	0.9817	121.8- 181.8	161.2	
			Average of Peak Amounts =			0.9813			
						RPD = 2.82			
$ 12 DCB Decachlorobiphenyl									
1	100	7.057	7.056	0.001	114326720	0.0490			
2	2	8.224	8.224	0.000	66660683	0.0495			
						RPD = 1.06			

QC Flag Legend

Review Flags
M - Manually Integrated

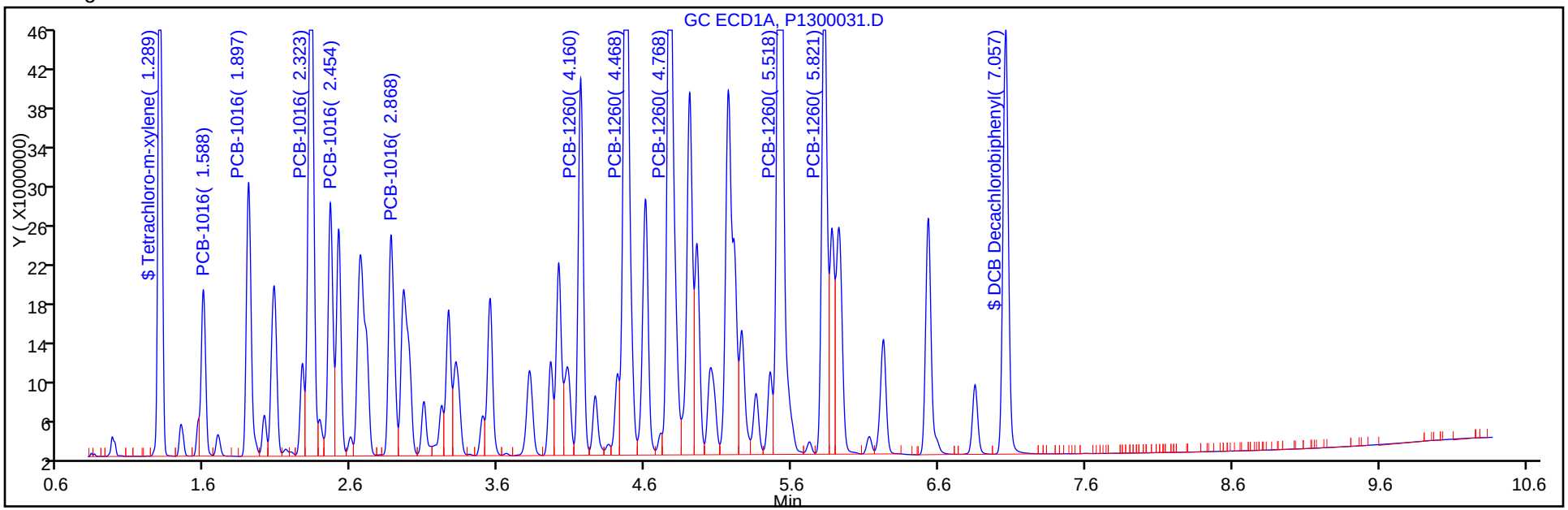
Report Date: 22-Oct-2012 09:18:04 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

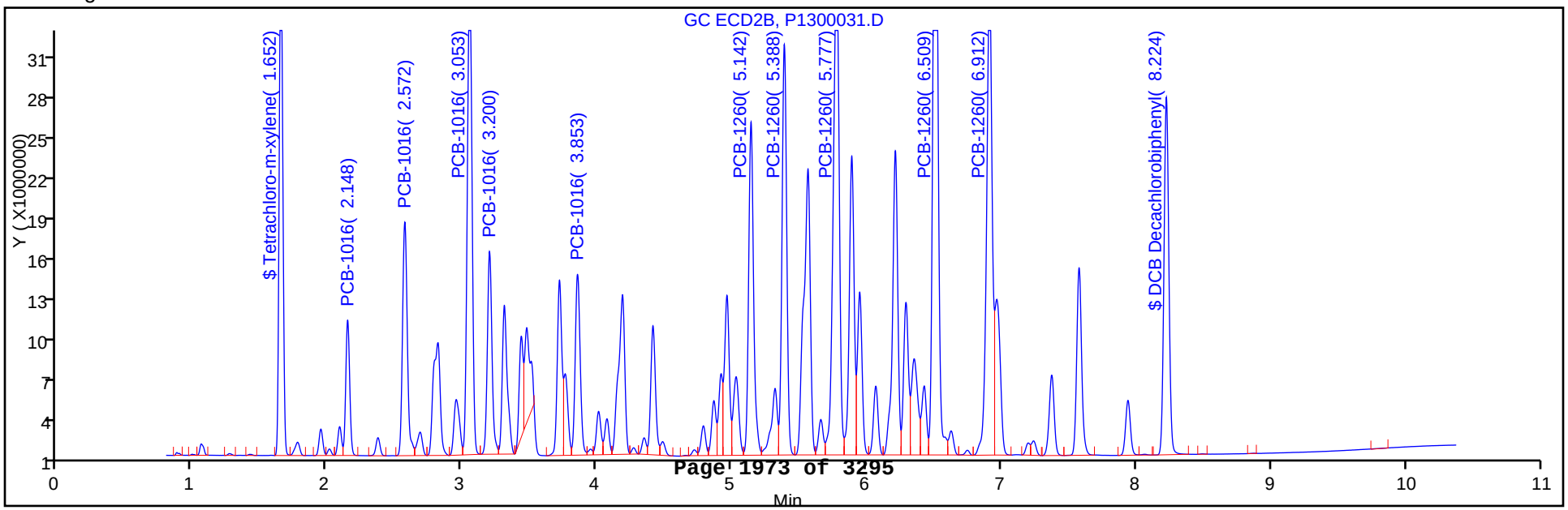
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300031.D

Injection Date:	21-Oct-2012 23:50:59	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	31
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



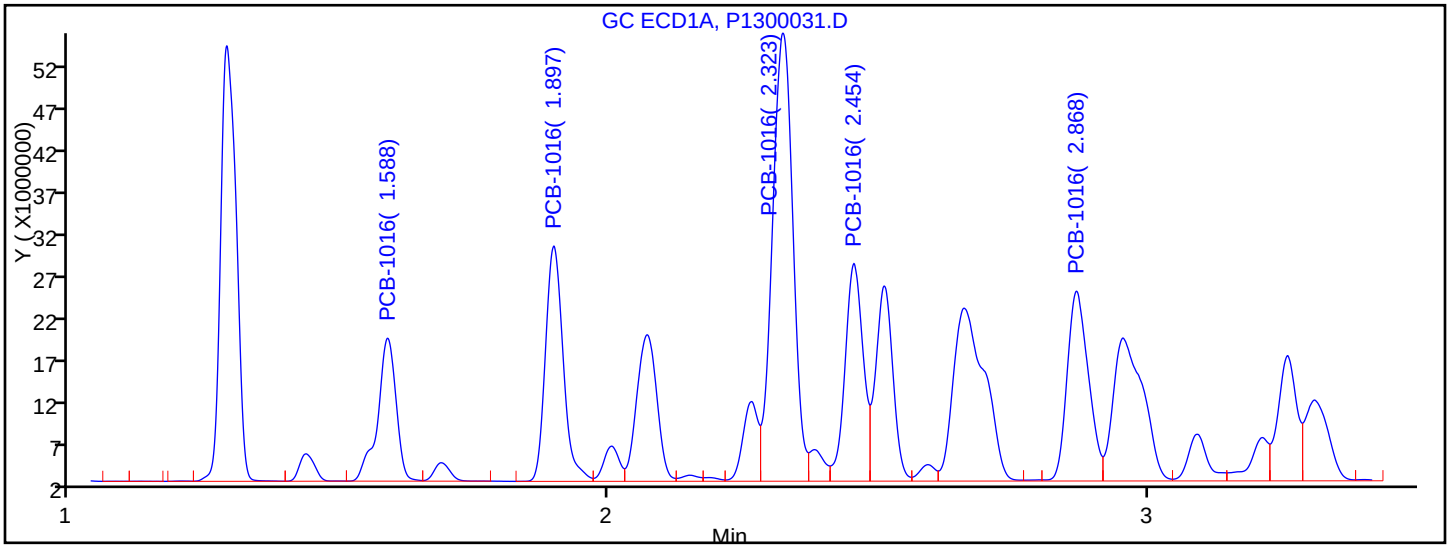
Report Date: 22-Oct-2012 09:18:04 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300031.D

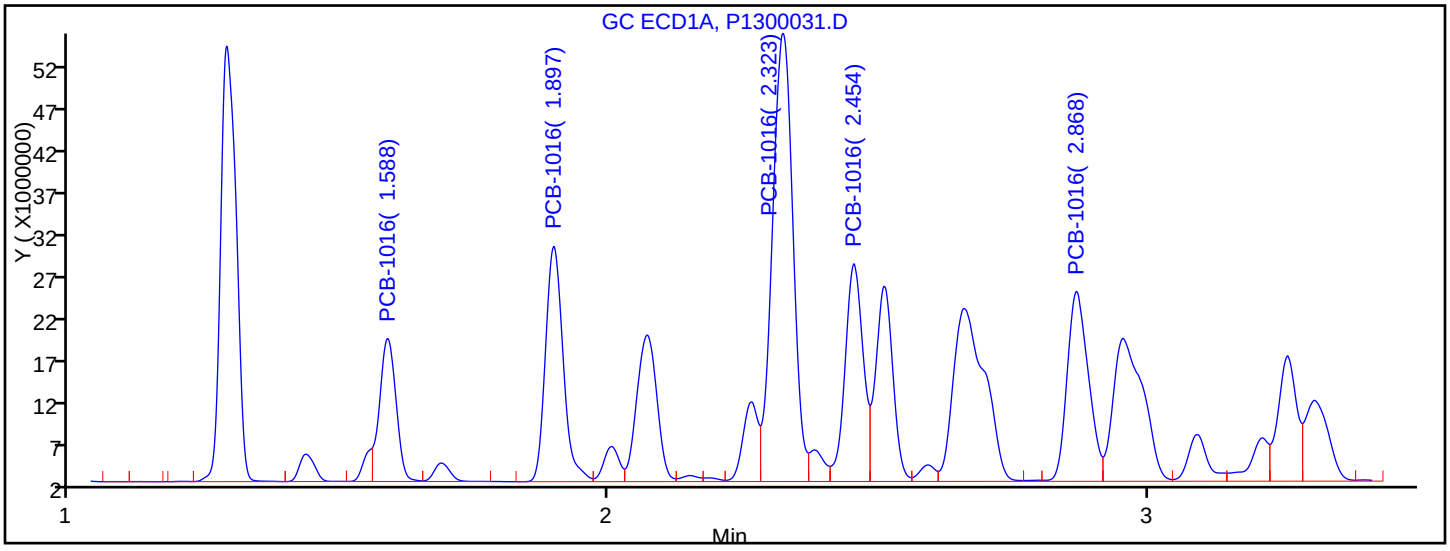
Injection Date:	21-Oct-2012 23:50:59	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	31
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

6 PCB-1016, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.588	Response = 40767713	M
RT = 1.897	Response = 64408075	
RT = 2.323	Response = 142796313	
RT = 2.454	Response = 60751481	
RT = 2.868	Response = 62498314	



Manual Integration Results

RT = 1.588	Response = 36354352	M
RT = 1.897	Response = 64408075	
RT = 2.323	Response = 142796313	
RT = 2.454	Response = 60751481	
RT = 2.868	Response = 62498314	

Reviewer: hassl, 22-Oct-2012 09:09:35

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300032.D		
Lims ID:	STD2 1660	Client ID:	
Inject. Date:	22-Oct-2012 00:05:52	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	240-0014228-032		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 ul	ALS Bottle#:	32
Lims Batch ID:	62068	Lims Sample ID:	32
Sublist:	chrom-PCB13*sub10		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m		
Last Update:	22-Oct-2012 09:18:01	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK013		

First Level Reviewer: hassl Date: 22-Oct-2012 09:09:50

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.288	1.289	-0.001	192435742	0.0843			
2	2	1.650	1.651	-0.001	139158982	0.0968			
						RPD = 13.85			
6 PCB-1016									M
1	100	1.586	1.587	-0.001	66066688	1.63		100.0	M
1	2	1.895	1.896	-0.001	118078883	1.64	149.3- 199.3	178.7	
1	3	2.322	2.323	-0.001	266203057	1.72	350.2- 400.2	402.9	
1	4	2.452	2.453	-0.001	115825317	1.80	130.7- 180.7	175.3	
1	5	2.867	2.867	0.000	119184603	1.76	137.9- 187.9	180.4	
			Average of Peak Amounts =			1.71			
2	6	2.147	2.147	0.000	39630464	1.76		100.0	
2	7	2.571	2.571	0.000	82613093	1.76	176.5- 236.5	208.5	
2	8	3.053	3.054	-0.001	169334332	1.86	362.5- 422.5	427.3	
2	9	3.201	3.201	0.000	70483896	1.82	137.9- 197.9	177.9	
2	10	3.853	3.854	-0.001	68540290	1.90	118.8- 178.8	172.9	
			Average of Peak Amounts =			1.82			
						RPD = 6.50			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.159	4.160	-0.001	179720110	1.77		100.0	
1	2	4.469	4.469	0.000	354090911	1.76	175.1- 225.1	197.0	
1	3	4.767	4.767	0.000	359861421	1.80	173.2- 223.2	200.2	
1	4	5.518	5.518	0.000	499797077	1.84	244.1- 294.1	278.1	
1	5	5.820	5.820	0.000	241501643	1.87	101.5- 151.5	134.4	
			Average of Peak Amounts =			1.81			
2	6	5.140	5.141	-0.001	124581130	1.87		100.0	
2	7	5.388	5.389	-0.001	144653625	2.02	86.6- 146.6	116.1	
2	8	5.776	5.776	0.000	222224121	1.90	142.9- 202.9	178.4	
2	9	6.509	6.509	0.000	277091654	1.95	179.5- 239.5	222.4	
2	10	6.911	6.910	0.001	202027569	1.94	121.8- 181.8	162.2	
			Average of Peak Amounts =			1.94			
						RPD = 6.73			
$ 12 DCB Decachlorobiphenyl									
1	100	7.054	7.056	-0.002	223131818	0.0956			
2	2	8.224	8.224	0.000	133427531	0.0991			
						RPD = 3.58			

QC Flag Legend

Review Flags
M - Manually Integrated

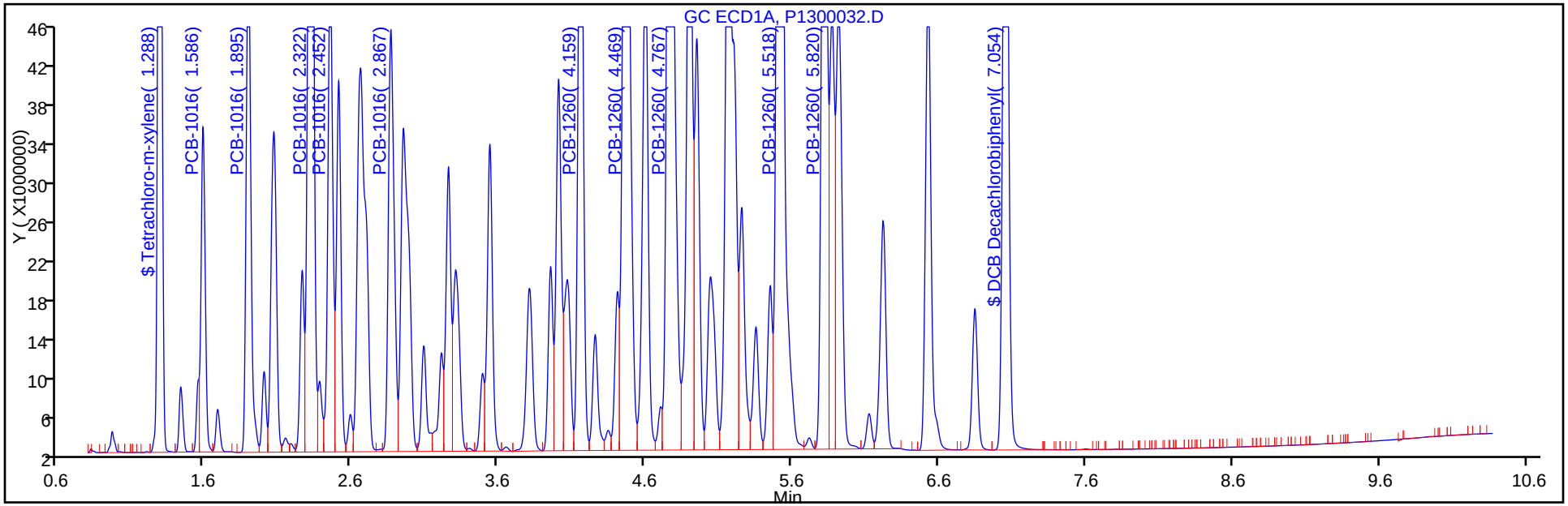
Report Date: 22-Oct-2012 09:18:02 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

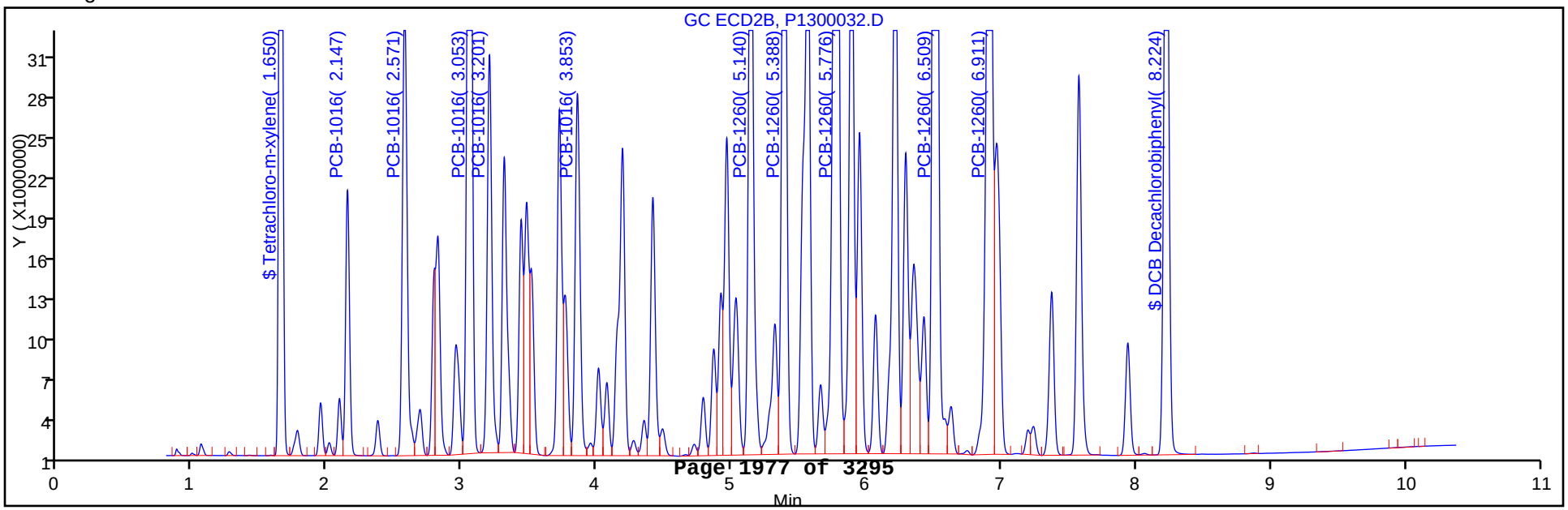
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300032.D

Injection Date:	22-Oct-2012 00:05:52	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	32
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



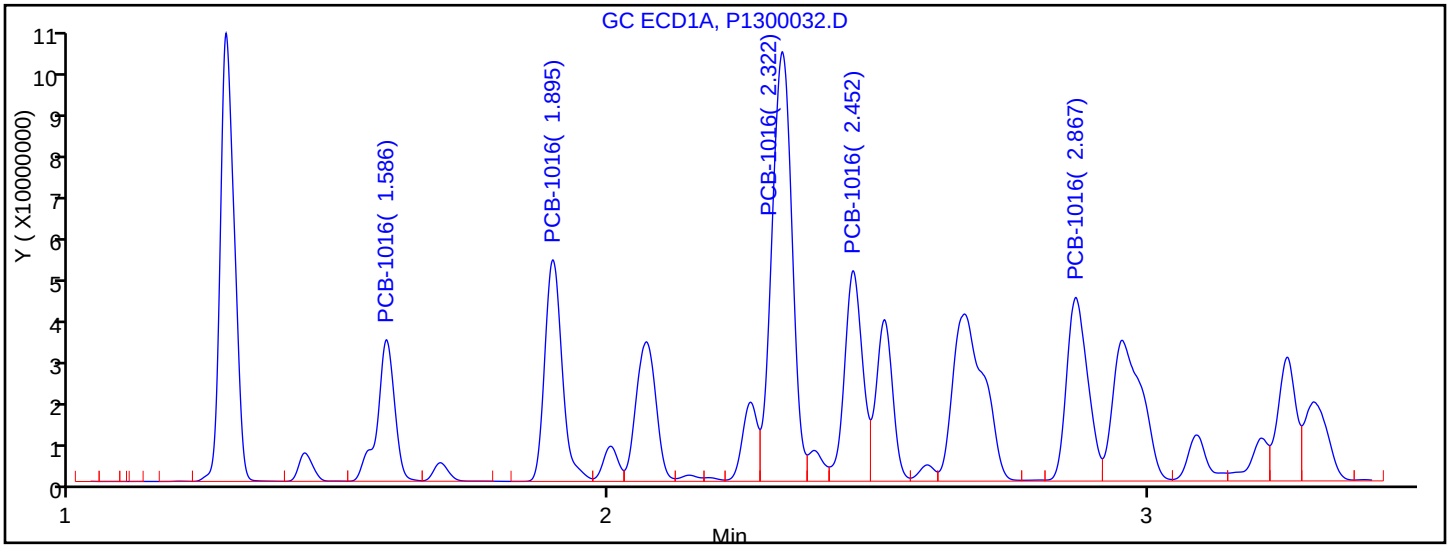
Report Date: 22-Oct-2012 09:18:02 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300032.D

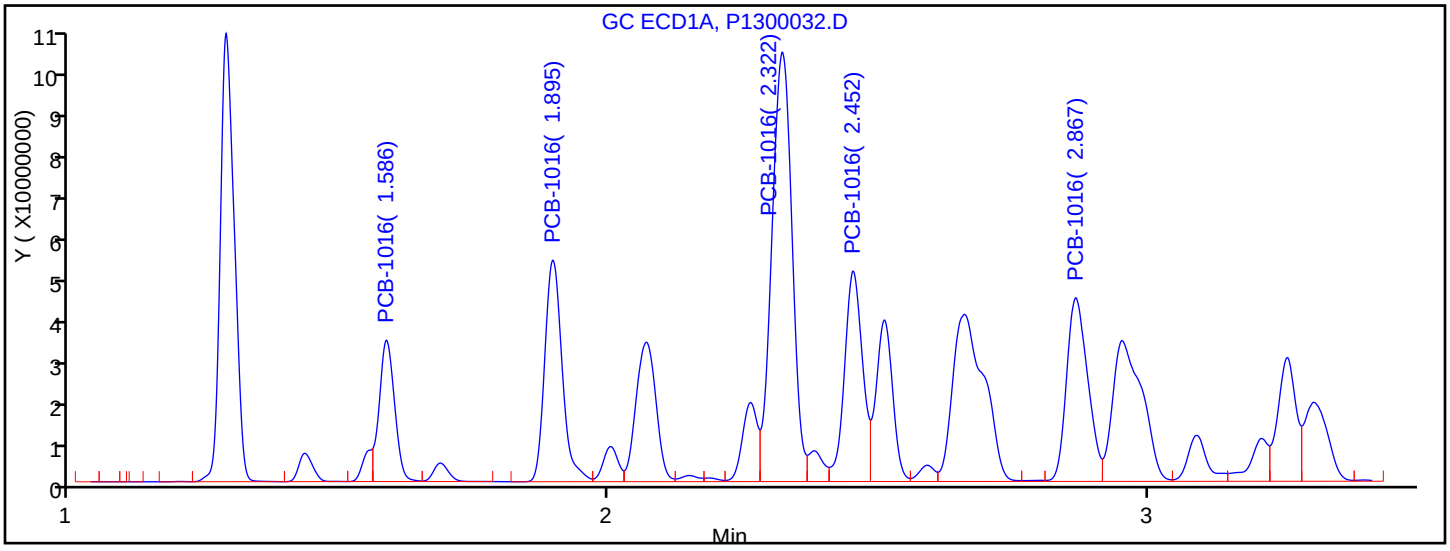
Injection Date:	22-Oct-2012 00:05:52	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	32
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

6 PCB-1016, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.586	Response = 75480118	M
RT = 1.895	Response = 118078883	
RT = 2.322	Response = 266203057	
RT = 2.452	Response = 115825317	
RT = 2.867	Response = 119184603	



Manual Integration Results

RT = 1.586	Response = 66066688	M
RT = 1.895	Response = 118078883	
RT = 2.322	Response = 266203057	
RT = 2.452	Response = 115825317	
RT = 2.867	Response = 119184603	

Reviewer: hassl, 22-Oct-2012 09:09:50

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 22:51 Calibration End Date: 10/22/2012 00:05 Calibration ID: 12037

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/27	P1300027.D
Level 2	STD01 240-62068/28	P1300028.D
Level 3	STD02 240-62068/29	P1300029.D
Level 4	STD05 240-62068/30	P1300030.D
Level 5	STD1 240-62068/31	P1300031.D
Level 6	STD2 240-62068/32	P1300032.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1016 Peak 1	2.147	2.147	2.147	2.147	2.148	2.147					2.097 - 2.197	2.147
PCB-1016 Peak 2	2.571	2.572	2.571	2.571	2.572	2.571					2.521 - 2.621	2.571
PCB-1016 Peak 3	3.052	3.052	3.053	3.054	3.053	3.053					3.004 - 3.104	3.053
PCB-1016 Peak 4	3.200	3.201	3.201	3.201	3.200	3.201					3.151 - 3.251	3.201
PCB-1016 Peak 5	3.854	3.853	3.854	3.854	3.853	3.853					3.804 - 3.904	3.854
PCB-1260 Peak 1	5.141	5.141	5.141	5.141	5.142	5.140					5.091 - 5.191	5.141
PCB-1260 Peak 2	5.386	5.387	5.388	5.389	5.388	5.388					5.339 - 5.439	5.388
PCB-1260 Peak 3	5.777	5.775	5.776	5.776	5.777	5.776					5.726 - 5.826	5.776
PCB-1260 Peak 4	6.508	6.509	6.509	6.509	6.509	6.509					6.459 - 6.559	6.509
PCB-1260 Peak 5	6.910	6.911	6.911	6.910	6.912	6.911					6.860 - 6.960	6.911
Tetrachloro-m-xylene	1.650	1.651	1.651	1.651	1.652	1.650					1.601 - 1.701	1.651
DCB Decachlorobiphenyl	8.223	8.224	8.224	8.224	8.224	8.224					8.174 - 8.274	8.224

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 22:51 Calibration End Date: 10/22/2012 00:05 Calibration ID: 12037

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/27	P1300027.D
Level 2	STD01 240-62068/28	P1300028.D
Level 3	STD02 240-62068/29	P1300029.D
Level 4	STD05 240-62068/30	P1300030.D
Level 5	STD1 240-62068/31	P1300031.D
Level 6	STD2 240-62068/32	P1300032.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
PCB-1016 Peak 1	26059800 20522052	24360570 19815232	22957755	21125622	Ave		22473505.2				11.0		20.0			
PCB-1016 Peak 2	54323300 43028180	50962630 41306547	47396525	44444882	Ave		46910343.9				11.0		20.0			
PCB-1016 Peak 3	100691080 86921748	95032470 84667166	90118490	87712612	Ave		90857261.0				6.6		20.0			
PCB-1016 Peak 4	44297180 36030617	41513200 35241948	38552015	36664574	Ave		38716589.0				9.1		20.0			
PCB-1016 Peak 5	39109840 34526619	39040640 34270145	34170490	35287418	Ave		36067525.3				6.6		20.0			
PCB-1260 Peak 1	73760440 63406259	69627340 62290565	66930155	63877542	Ave		66648716.8				6.6		20.0			
PCB-1260 Peak 2	155448900 73993635	82551750 72326813	78030805	76644766	Lin1	3060963.51	70191595.6							0.9950		0.9900
PCB-1260 Peak 3	126389440 113549892	121503720 111112061	115721925	112732536	Ave		116834929				5.1		20.0			
PCB-1260 Peak 4	149271480 141048533	144840670 138545827	140233660	139803496	Ave		142290611				2.8		20.0			
PCB-1260 Peak 5	110726520 102225663	107965920 101013785	101604860	101267930	Ave		104134113				4.0		20.0			
Tetrachloro-m-xylene	1504761200 1420090020	1455978400 1391589820	1450444300	1399442840	Ave		1437051097				2.9		20.0			
DCB Decachlorobiphenyl	1436904800 1333213660	1338602600 1334275310	1327828800	1310659640	Ave		1346914135				3.4		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 22:51 Calibration End Date: 10/22/2012 00:05 Calibration ID: 12037

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/27	P1300027.D
Level 2	STD01 240-62068/28	P1300028.D
Level 3	STD02 240-62068/29	P1300029.D
Level 4	STD05 240-62068/30	P1300030.D
Level 5	STD1 240-62068/31	P1300031.D
Level 6	STD2 240-62068/32	P1300032.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	Ave	1302990 39630464	2436057	4591551	10562811	20522052	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 2	Ave	2716165 82613093	5096263	9479305	22222441	43028180	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 3	Ave	5034554 169334332	9503247	18023698	43856306	86921748	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 4	Ave	2214859 70483896	4151320	7710403	18332287	36030617	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 5	Ave	1955492 68540290	3904064	6834098	17643709	34526619	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 1	Ave	3688022 124581130	6962734	13386031	31938771	63406259	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 2	Lin1	7772445 144653625	8255175	15606161	38322383	73993635	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 3	Ave	6319472 222224121	12150372	23144385	56366268	113549892	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 4	Ave	7463574 277091654	14484067	28046732	69901748	141048533	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 5	Ave	5536326 202027569	10796592	20320972	50633965	102225663	0.0500 2.00	0.100	0.200	0.500	1.00
Tetrachloro-m-xylene	Ave	3761903 139158982	7279892	14504443	34986071	71004501	0.00250 0.100	0.00500	0.0100	0.0250	0.0500
DCB Decachlorobiphenyl	Ave	3592262 133427531	6693013	13278288	32766491	66660683	0.00250 0.100	0.00500	0.0100	0.0250	0.0500

Curve Type Legend:

Ave = Average
Lin1 = Linear 1/conc

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300027.D		
Lims ID:	STD005 1660	Client ID:	
Inject. Date:	21-Oct-2012 22:51:20	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	240-0014228-027		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 ul	ALS Bottle#:	27
Lims Batch ID:	62068	Lims Sample ID:	27
Sublist:	chrom-PCB13*sub10		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m		
Last Update:	22-Oct-2012 09:18:10	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK013		

First Level Reviewer: hassl Date: 22-Oct-2012 09:08:33

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.288	1.289	-0.001	6515268	0.002854			
2	2	1.650	1.651	-0.001	3761903	0.002618			
						RPD = 8.63			
6 PCB-1016									M
1	100	1.587	1.587	0.000	2378530	0.0585		100.0	M
1	2	1.896	1.896	0.000	4305568	0.0599	149.3- 199.3	181.0	
1	3	2.322	2.323	-0.001	9025258	0.0581	350.2- 400.2	379.4	
1	4	2.453	2.453	0.000	3599059	0.0558	130.7- 180.7	151.3	
1	5	2.866	2.867	-0.001	4030278	0.0594	137.9- 187.9	169.4	
			Average of Peak Amounts =			0.0584			
2	6	2.147	2.147	0.000	1302990	0.0580		100.0	
2	7	2.571	2.571	0.000	2716165	0.0579	176.5- 236.5	208.5	
2	8	3.052	3.054	-0.002	5034554	0.0554	362.5- 422.5	386.4	
2	9	3.200	3.201	-0.001	2214859	0.0572	137.9- 197.9	170.0	
2	10	3.854	3.854	0.000	1955492	0.0542	118.8- 178.8	150.1	
			Average of Peak Amounts =			0.0565			
						RPD = 3.15			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.159	4.160	-0.001	5790356	0.0571		100.0	
1	2	4.468	4.469	-0.001	11359656	0.0566	175.1- 225.1	196.2	
1	3	4.767	4.767	0.000	11034928	0.0552	173.2- 223.2	190.6	
1	4	5.518	5.518	0.000	14474481	0.0533	244.1- 294.1	250.0	
1	5	5.822	5.820	0.002	6832617	0.0529	101.5- 151.5	118.0	
			Average of Peak Amounts =			0.0550			
2	6	5.141	5.141	0.000	3688022	0.0553		100.0	
2	7	5.386	5.389	-0.003	7772445	0.0671	86.6- 146.6	210.7	
2	8	5.777	5.776	0.001	6319472	0.0541	142.9- 202.9	171.4	
2	9	6.508	6.509	-0.001	7463574	0.0525	179.5- 239.5	202.4	
2	10	6.910	6.910	0.000	5536326	0.0532	121.8- 181.8	150.1	
			Average of Peak Amounts =			0.0564			
						RPD = 2.55			
$ 12 DCB Decachlorobiphenyl									
1	100	7.057	7.056	0.001	6277448	0.002689			
2	2	8.223	8.224	-0.001	3592262	0.002667			
						RPD = 0.81			

QC Flag Legend

Review Flags
M - Manually Integrated

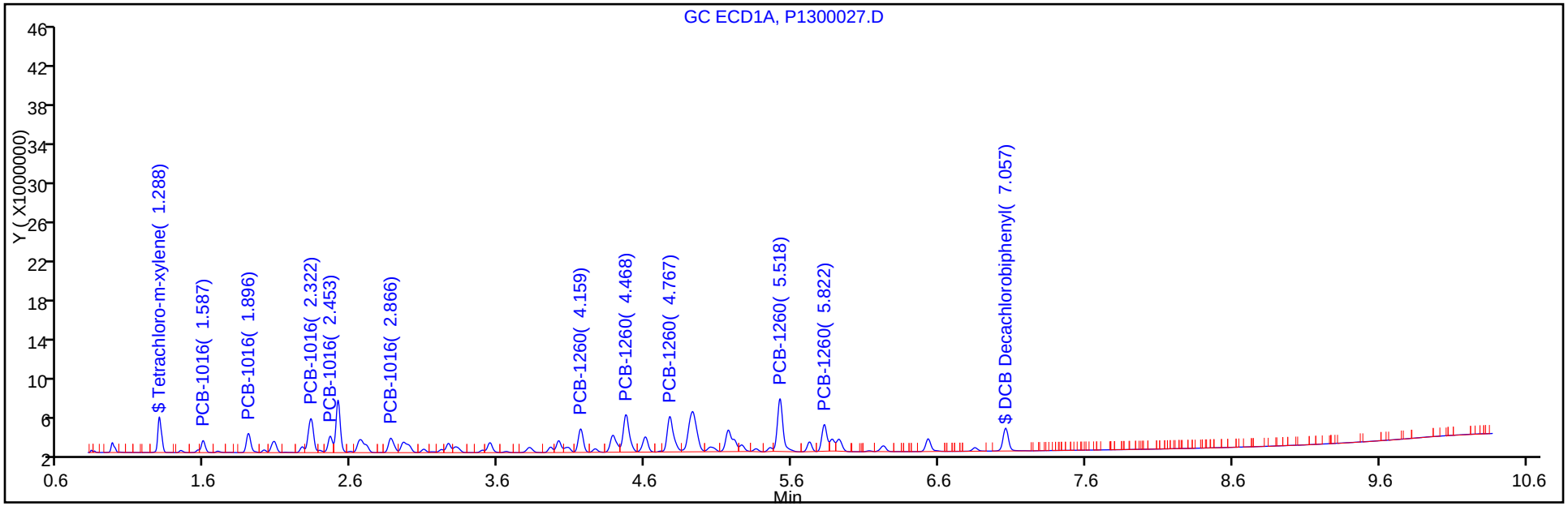
Report Date: 22-Oct-2012 09:18:11 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

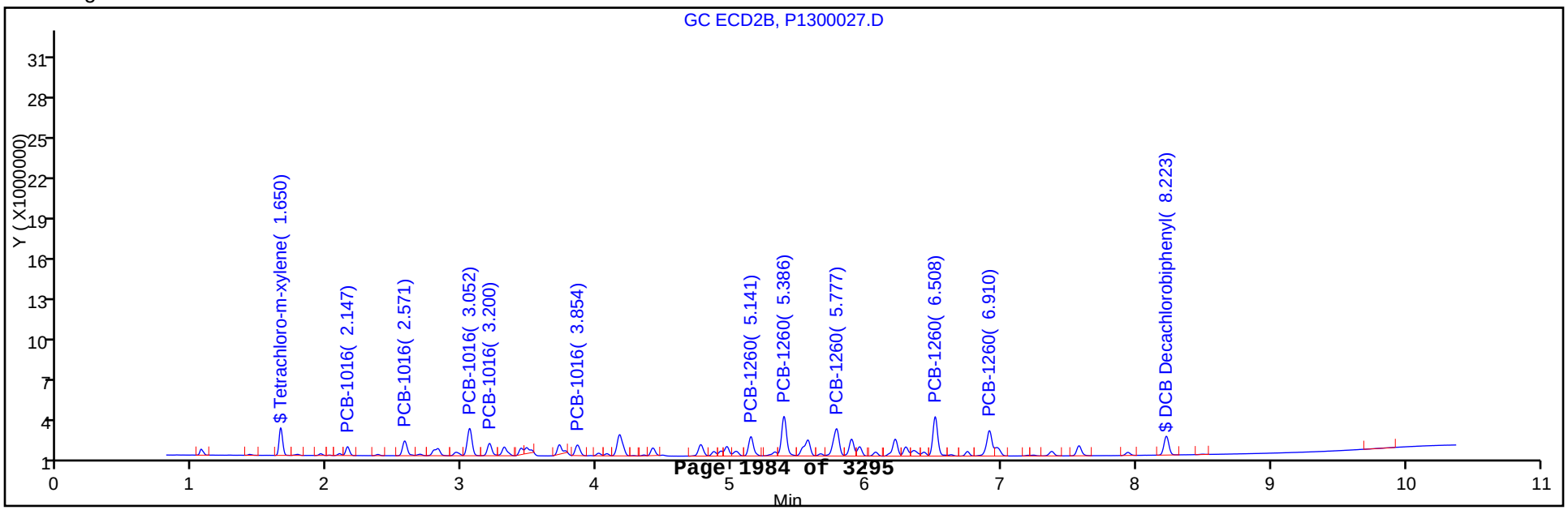
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300027.D

Injection Date:	21-Oct-2012 22:51:20	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	27
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300028.D		
Lims ID:	STD01 1660	Client ID:	
Inject. Date:	21-Oct-2012 23:06:20	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	240-0014228-028		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 ul	ALS Bottle#:	28
Lims Batch ID:	62068	Lims Sample ID:	28
Sublist:	chrom-PCB13*sub10		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m		
Last Update:	22-Oct-2012 09:18:08	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK013		

First Level Reviewer: hassl Date: 22-Oct-2012 09:08:48

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.288	1.289	-0.001	12350427	0.005410			
2	2	1.651	1.651	0.000	7279892	0.005066			
						RPD = 6.57			
6 PCB-1016									M
1	100	1.587	1.587	0.000	4487962	0.1104		100.0	M
1	2	1.897	1.896	0.001	7991089	0.1112	149.3- 199.3	178.1	
1	3	2.322	2.323	-0.001	16751406	0.1079	350.2- 400.2	373.3	
1	4	2.453	2.453	0.000	6720413	0.1042	130.7- 180.7	149.7	
1	5	2.867	2.867	0.000	7217906	0.1064	137.9- 187.9	160.8	
			Average of Peak Amounts =			0.1080			
2	6	2.147	2.147	0.000	2436057	0.1084		100.0	
2	7	2.572	2.571	0.001	5096263	0.1086	176.5- 236.5	209.2	
2	8	3.052	3.054	-0.002	9503247	0.1046	362.5- 422.5	390.1	
2	9	3.201	3.201	0.000	4151320	0.1072	137.9- 197.9	170.4	
2	10	3.853	3.854	-0.001	3904064	0.1082	118.8- 178.8	160.3	
			Average of Peak Amounts =			0.1074			
						RPD = 0.56			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.161	4.160	0.001	10778948	0.1063		100.0	
1	2	4.469	4.469	0.000	21526889	0.1073	175.1- 225.1	199.7	
1	3	4.768	4.767	0.001	21160207	0.1058	173.2- 223.2	196.3	
1	4	5.517	5.518	-0.001	28452670	0.1047	244.1- 294.1	264.0	
1	5	5.821	5.820	0.001	13451588	0.1042	101.5- 151.5	124.8	
			Average of Peak Amounts =			0.1057			
2	6	5.141	5.141	0.000	6962734	0.1045		100.0	
2	7	5.387	5.389	-0.002	8255175	0.0740	86.6- 146.6	118.6	
2	8	5.775	5.776	-0.001	12150372	0.1040	142.9- 202.9	174.5	
2	9	6.509	6.509	0.000	14484067	0.1018	179.5- 239.5	208.0	
2	10	6.911	6.910	0.001	10796592	0.1037	121.8- 181.8	155.1	
			Average of Peak Amounts =			0.0976			
						RPD = 7.93			
$ 12 DCB Decachlorobiphenyl									
1	100	7.057	7.056	0.001	11994219	0.005137			
2	2	8.224	8.224	0.000	6693013	0.004969			
						RPD = 3.33			

QC Flag Legend

Review Flags
M - Manually Integrated

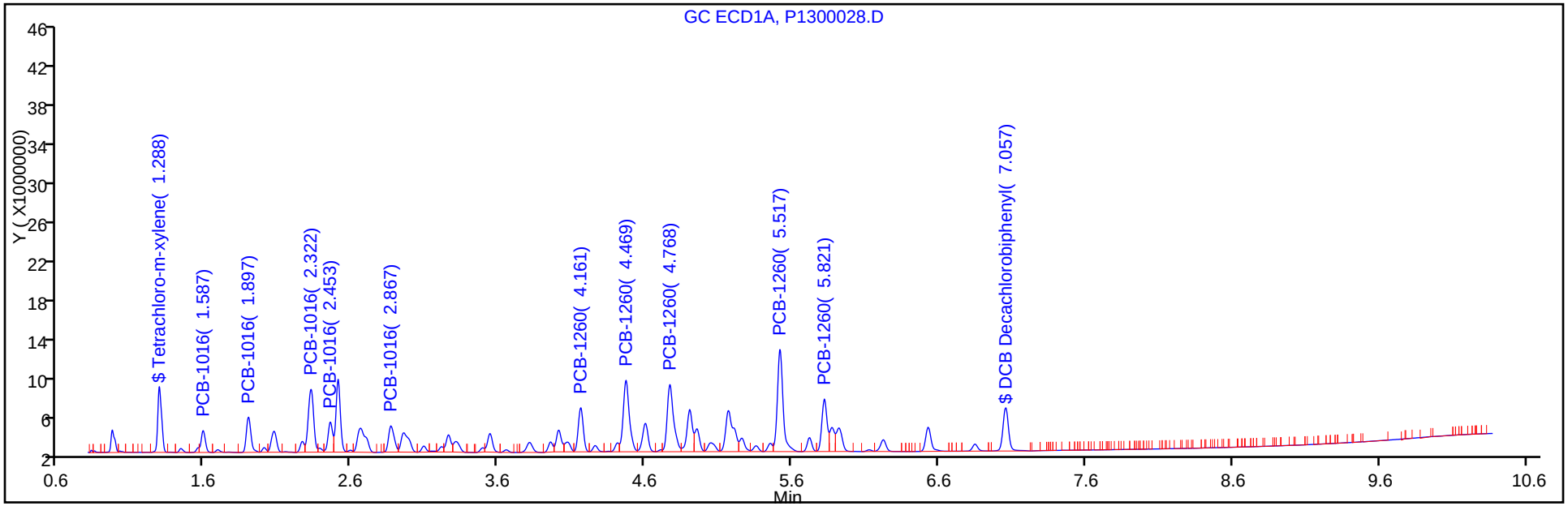
Report Date: 22-Oct-2012 09:18:09 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

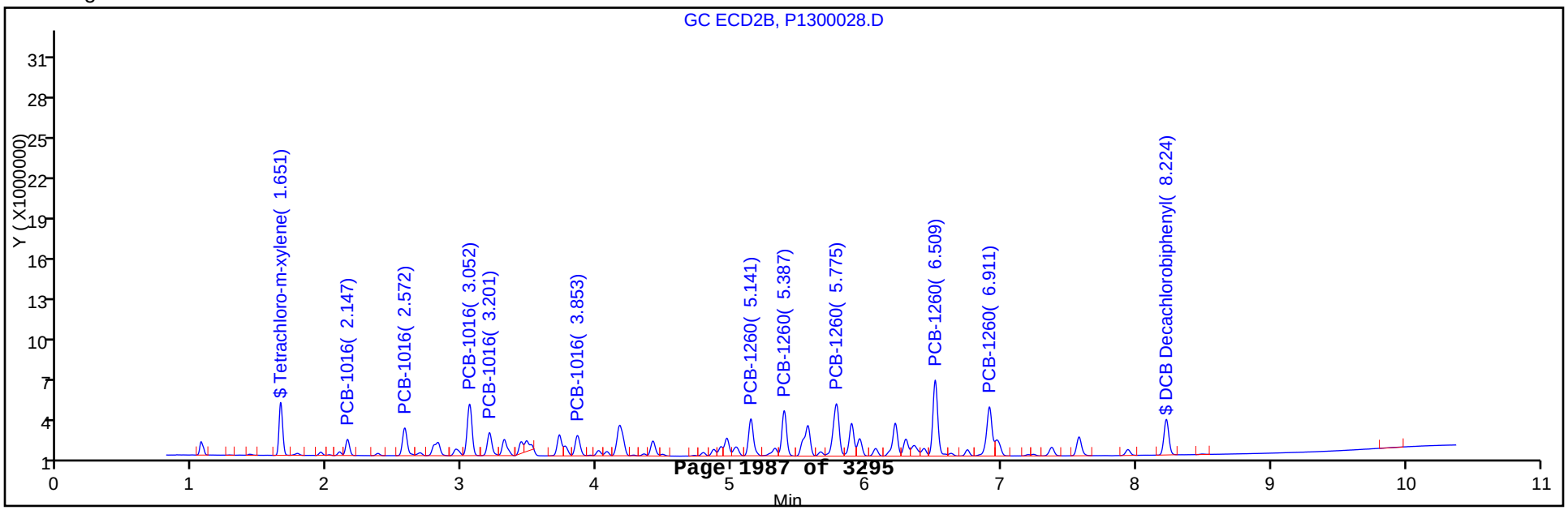
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300028.D

Injection Date:	21-Oct-2012 23:06:20	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	28
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300029.D		
Lims ID:	STD02 1660	Client ID:	
Inject. Date:	21-Oct-2012 23:21:13	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	240-0014228-029		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 ul	ALS Bottle#:	29
Lims Batch ID:	62068	Lims Sample ID:	29
Sublist:	chrom-PCB13*sub10		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m		
Last Update:	22-Oct-2012 09:18:06	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK013		

First Level Reviewer: hassl Date: 22-Oct-2012 09:09:02

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.289	1.289	0.000	23972590	0.0105			
2	2	1.651	1.651	0.000	14504443	0.0101			
						RPD = 3.96			
6 PCB-1016									M
1	100	1.587	1.587	0.000	8412969	0.2069		100.0	M
1	2	1.896	1.896	0.000	14667607	0.2041	149.3- 199.3	174.3	
1	3	2.322	2.323	-0.001	31562070	0.2033	350.2- 400.2	375.2	
1	4	2.453	2.453	0.000	13101772	0.2032	130.7- 180.7	155.7	
1	5	2.867	2.867	0.000	13702036	0.2019	137.9- 187.9	162.9	
			Average of Peak Amounts =			0.2039			
2	6	2.147	2.147	0.000	4591551	0.2043		100.0	
2	7	2.571	2.571	0.000	9479305	0.2021	176.5- 236.5	206.5	
2	8	3.053	3.054	-0.001	18023698	0.1984	362.5- 422.5	392.5	
2	9	3.201	3.201	0.000	7710403	0.1991	137.9- 197.9	167.9	
2	10	3.854	3.854	0.000	6834098	0.1895	118.8- 178.8	148.8	
			Average of Peak Amounts =			0.1987			
						RPD = 2.59			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.160	4.160	0.000	20334104	0.2006		100.0	
1	2	4.468	4.469	-0.001	40686304	0.2028	175.1- 225.1	200.1	
1	3	4.768	4.767	0.001	40310366	0.2015	173.2- 223.2	198.2	
1	4	5.518	5.518	0.000	54709873	0.2013	244.1- 294.1	269.1	
1	5	5.820	5.820	0.000	25719142	0.1991	101.5- 151.5	126.5	
			Average of Peak Amounts =			0.2011			
2	6	5.141	5.141	0.000	13386031	0.2008		100.0	
2	7	5.388	5.389	-0.001	15606161	0.1787	86.6- 146.6	116.6	
2	8	5.776	5.776	0.000	23144385	0.1981	142.9- 202.9	172.9	
2	9	6.509	6.509	0.000	28046732	0.1971	179.5- 239.5	209.5	
2	10	6.911	6.910	0.001	20320972	0.1951	121.8- 181.8	151.8	
			Average of Peak Amounts =			0.1940			
						RPD = 3.59			
$ 12 DCB Decachlorobiphenyl									
1	100	7.058	7.056	0.002	23149148	0.0099			
2	2	8.224	8.224	0.000	13278288	0.009858			
						RPD = 0.58			

QC Flag Legend

Review Flags
M - Manually Integrated

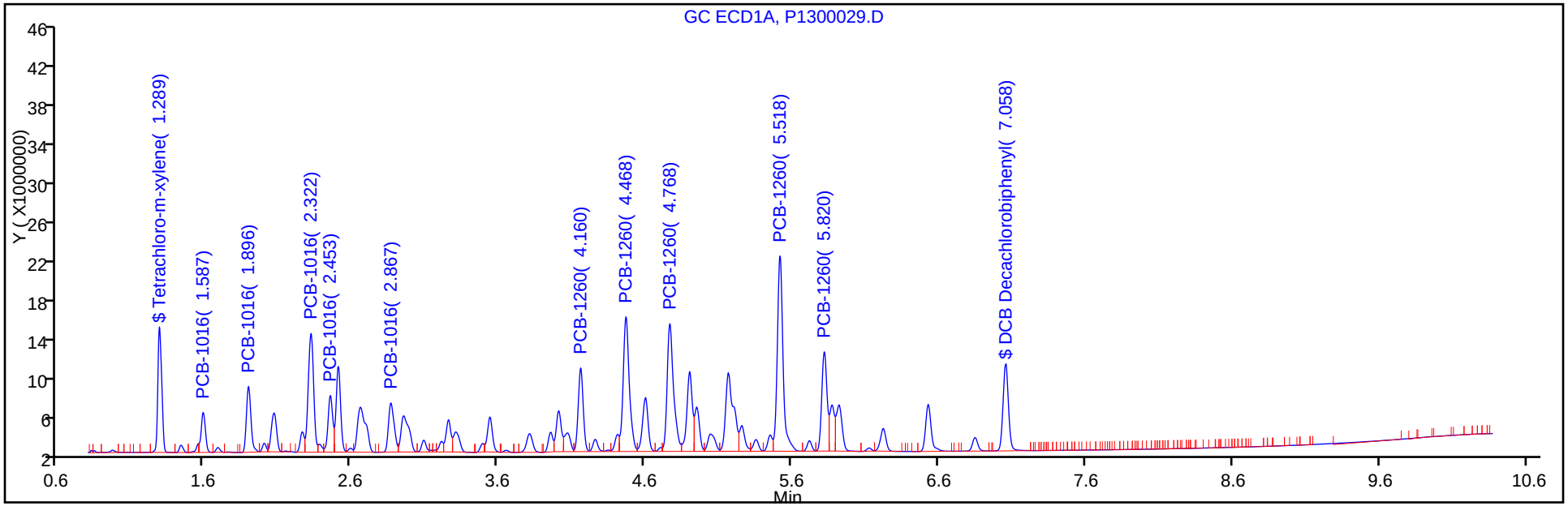
Report Date: 22-Oct-2012 09:18:08 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

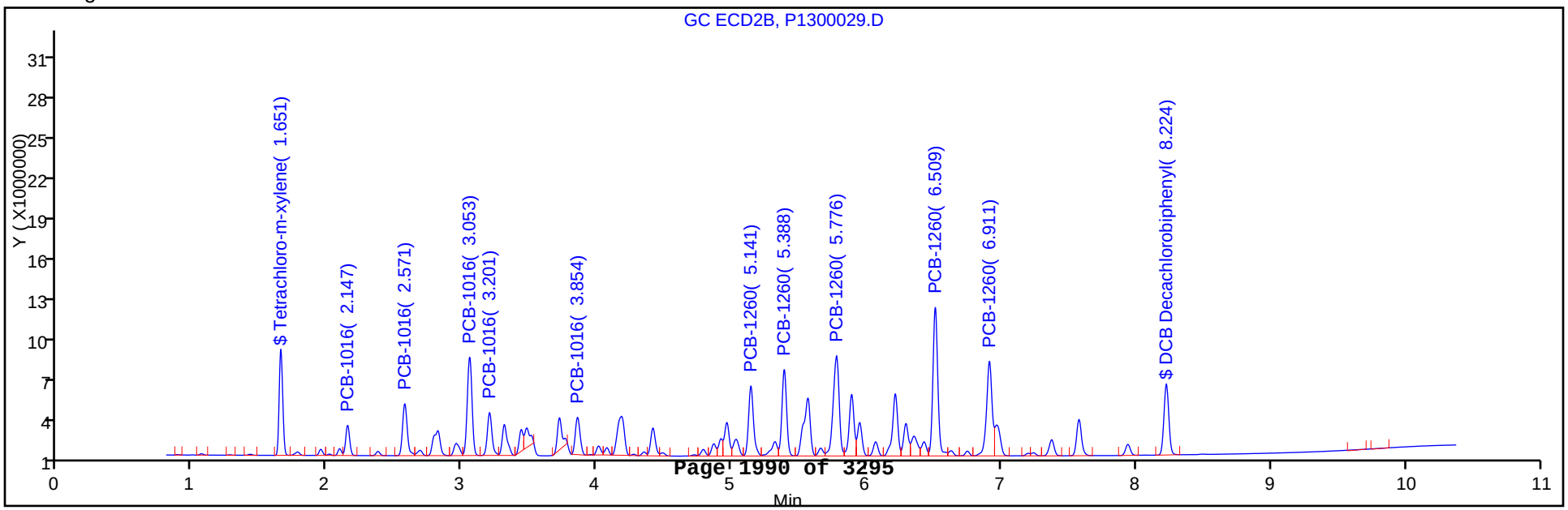
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300029.D

Injection Date:	21-Oct-2012 23:21:13	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	29
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300030.D		
Lims ID:	STD05 1660	Client ID:	
Inject. Date:	21-Oct-2012 23:36:05	Dil. Factor:	1.0000
Sample Type:	ICRT	Calib Level:	4
Sample ID:	240-0014228-030		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 ul	ALS Bottle#:	30
Lims Batch ID:	62068	Lims Sample ID:	30
Sublist:	chrom-PCB13*sub10		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m		
Last Update:	22-Oct-2012 09:18:05	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK013		

First Level Reviewer: hassl Date: 22-Oct-2012 09:09:17

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.289	1.289	0.000	54915010	0.0241			
2	2	1.651	1.651	0.000	34986071	0.0243			
						RPD = 1.20			
6 PCB-1016									M
1	100	1.587	1.587	0.000	20015250	0.4923		100.0	M
1	2	1.896	1.896	0.000	34227045	0.4762	149.3- 199.3	171.0	
1	3	2.323	2.323	0.000	74790478	0.4818	350.2- 400.2	373.7	
1	4	2.453	2.453	0.000	31738380	0.4923	130.7- 180.7	158.6	
1	5	2.867	2.867	0.000	31854695	0.4695	137.9- 187.9	159.2	
			Average of Peak Amounts =			0.4824			
2	6	2.147	2.147	0.000	10562811	0.4700		100.0	
2	7	2.571	2.571	0.000	22222441	0.4737	176.5- 236.5	210.4	
2	8	3.054	3.054	0.000	43856306	0.4827	362.5- 422.5	415.2	
2	9	3.201	3.201	0.000	18332287	0.4735	137.9- 197.9	173.6	
2	10	3.854	3.854	0.000	17643709	0.4892	118.8- 178.8	167.0	
			Average of Peak Amounts =			0.4778			
						RPD = 0.96			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.160	4.160	0.000	49081976	0.4843		100.0	
1	2	4.469	4.469	0.000	96503363	0.4810	175.1- 225.1	196.6	
1	3	4.767	4.767	0.000	98055137	0.4902	173.2- 223.2	199.8	
1	4	5.518	5.518	0.000	134891779	0.4963	244.1- 294.1	274.8	
1	5	5.820	5.820	0.000	64122168	0.4965	101.5- 151.5	130.6	
			Average of Peak Amounts =			0.4896			
2	6	5.141	5.141	0.000	31938771	0.4792		100.0	
2	7	5.389	5.389	0.000	38322383	0.5024	86.6- 146.6	120.0	
2	8	5.776	5.776	0.000	56366268	0.4824	142.9- 202.9	176.5	
2	9	6.509	6.509	0.000	69901748	0.4913	179.5- 239.5	218.9	
2	10	6.910	6.910	0.000	50633965	0.4862	121.8- 181.8	158.5	
			Average of Peak Amounts =			0.4883			
						RPD = 0.27			
$ 12 DCB Decachlorobiphenyl									
1	100	7.056	7.056	0.000	56634146	0.0243			
2	2	8.224	8.224	0.000	32766491	0.0243			
						RPD = 0.28			

QC Flag Legend

Review Flags
M - Manually Integrated

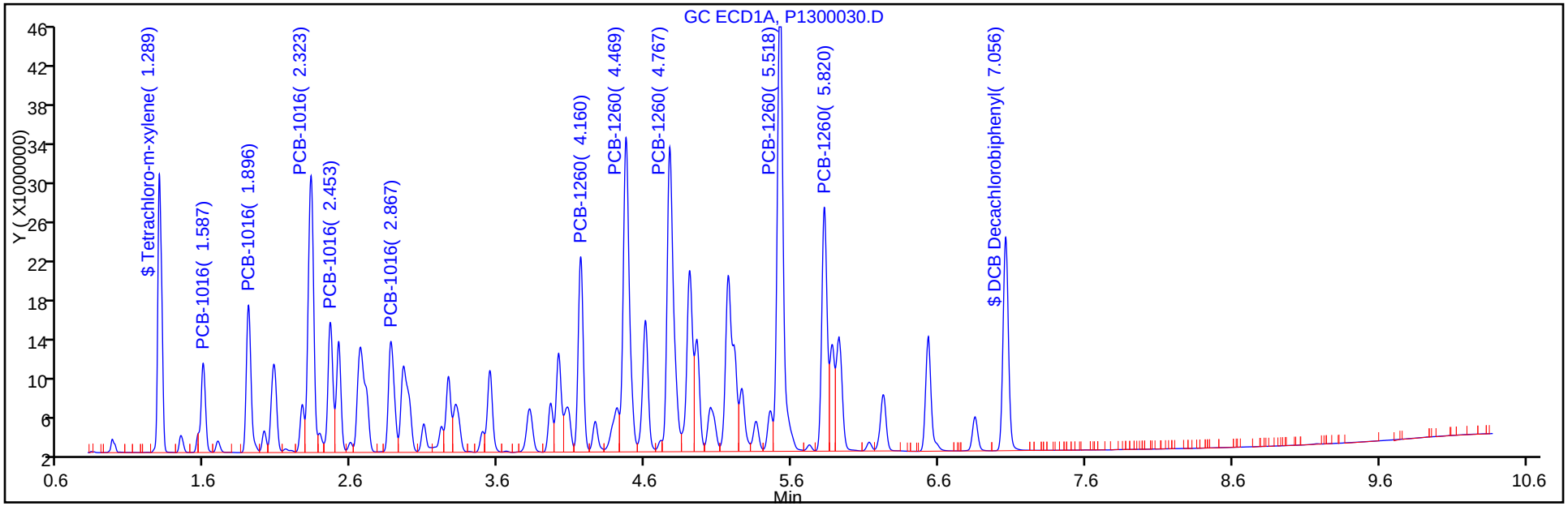
Report Date: 22-Oct-2012 09:18:06 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

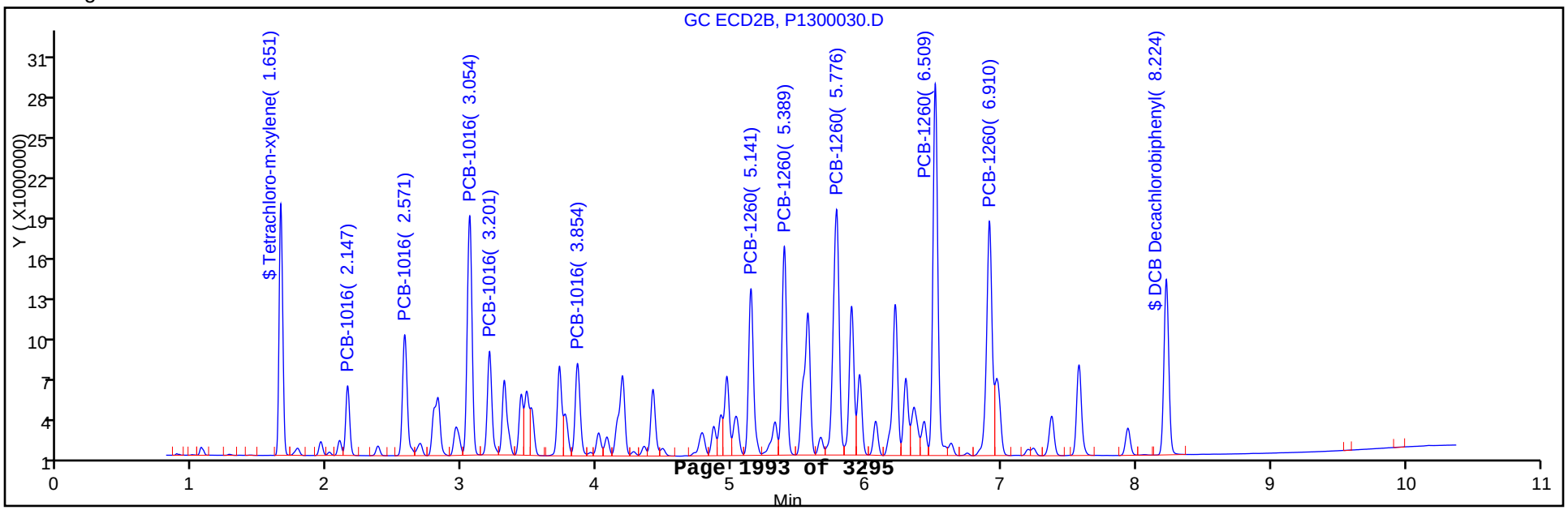
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300030.D

Injection Date:	21-Oct-2012 23:36:05	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	30
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300031.D		
Lims ID:	STD1 1660	Client ID:	
Inject. Date:	21-Oct-2012 23:50:59	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	240-0014228-031		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 ul	ALS Bottle#:	31
Lims Batch ID:	62068	Lims Sample ID:	31
Sublist:	chrom-PCB13*sub10		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m		
Last Update:	22-Oct-2012 09:18:03	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK013		

First Level Reviewer: hassl Date: 22-Oct-2012 09:09:35

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.289	1.289	0.000	105139798	0.0461			
2	2	1.652	1.651	0.001	71004501	0.0494			
						RPD = 7.03			
6 PCB-1016									M
1	100	1.588	1.587	0.001	36354352	0.8942		100.0	M
1	2	1.897	1.896	0.001	64408075	0.8961	149.3- 199.3	177.2	
1	3	2.323	2.323	0.000	142796313	0.9200	350.2- 400.2	392.8	
1	4	2.454	2.453	0.001	60751481	0.9423	130.7- 180.7	167.1	
1	5	2.868	2.867	0.001	62498314	0.9211	137.9- 187.9	171.9	
			Average of Peak Amounts =			0.9147			
2	6	2.148	2.147	0.001	20522052	0.9132		100.0	
2	7	2.572	2.571	0.001	43028180	0.9172	176.5- 236.5	209.7	
2	8	3.053	3.054	-0.001	86921748	0.9567	362.5- 422.5	423.6	
2	9	3.200	3.201	-0.001	36030617	0.9306	137.9- 197.9	175.6	
2	10	3.853	3.854	-0.001	34526619	0.9573	118.8- 178.8	168.2	
			Average of Peak Amounts =			0.9350			
						RPD = 2.19			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.160	4.160	0.000	94842713	0.9357		100.0	
1	2	4.468	4.469	-0.001	187849831	0.9363	175.1- 225.1	198.1	
1	3	4.768	4.767	0.001	190365810	0.9516	173.2- 223.2	200.7	
1	4	5.518	5.518	0.000	263611969	0.9698	244.1- 294.1	277.9	
1	5	5.821	5.820	0.001	126153832	0.9768	101.5- 151.5	133.0	
			Average of Peak Amounts =			0.9541			
2	6	5.142	5.141	0.001	63406259	0.9514		100.0	
2	7	5.388	5.389	-0.001	73993635	1.01	86.6- 146.6	116.7	
2	8	5.777	5.776	0.001	113549892	0.9719	142.9- 202.9	179.1	
2	9	6.509	6.509	0.000	141048533	0.99	179.5- 239.5	222.5	
2	10	6.912	6.910	0.002	102225663	0.9817	121.8- 181.8	161.2	
			Average of Peak Amounts =			0.9813			
						RPD = 2.82			
$ 12 DCB Decachlorobiphenyl									
1	100	7.057	7.056	0.001	114326720	0.0490			
2	2	8.224	8.224	0.000	66660683	0.0495			
						RPD = 1.06			

QC Flag Legend

Review Flags
M - Manually Integrated

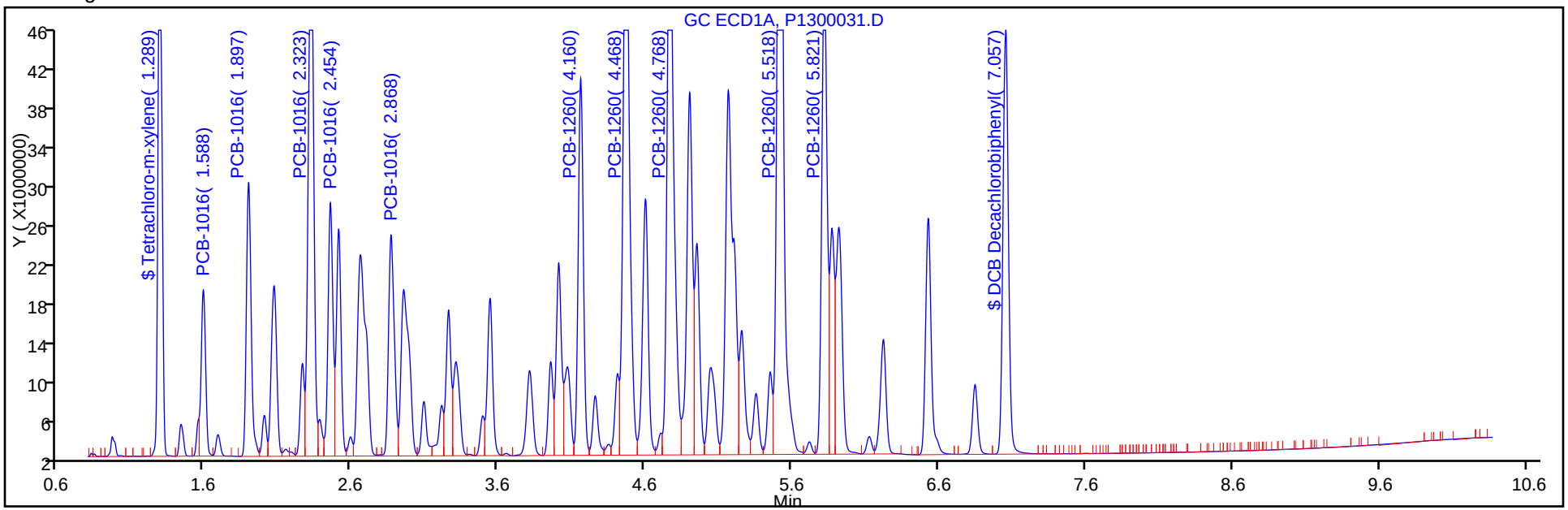
Report Date: 22-Oct-2012 09:18:04 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

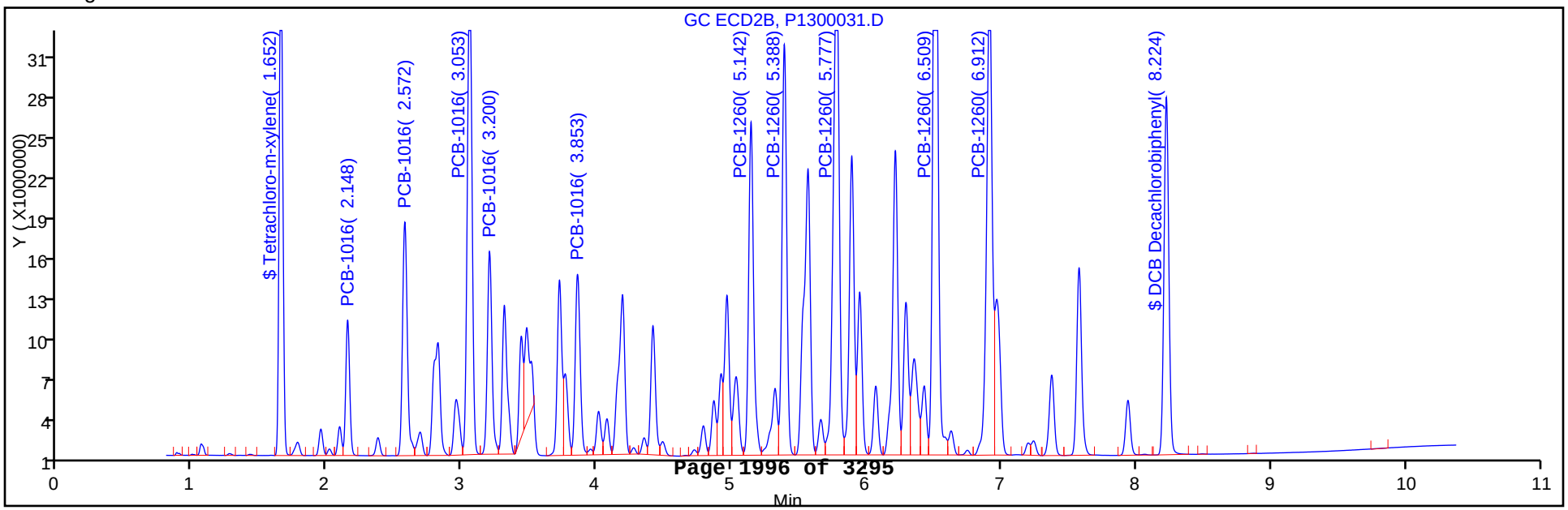
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300031.D

Injection Date:	21-Oct-2012 23:50:59	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	31
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300032.D		
Lims ID:	STD2 1660	Client ID:	
Inject. Date:	22-Oct-2012 00:05:52	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	240-0014228-032		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 ul	ALS Bottle#:	32
Lims Batch ID:	62068	Lims Sample ID:	32
Sublist:	chrom-PCB13*sub10		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m		
Last Update:	22-Oct-2012 09:18:01	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK013		

First Level Reviewer: hassl Date: 22-Oct-2012 09:09:50

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.288	1.289	-0.001	192435742	0.0843			
2	2	1.650	1.651	-0.001	139158982	0.0968			
						RPD = 13.85			
6 PCB-1016									M
1	100	1.586	1.587	-0.001	66066688	1.63		100.0	M
1	2	1.895	1.896	-0.001	118078883	1.64	149.3- 199.3	178.7	
1	3	2.322	2.323	-0.001	266203057	1.72	350.2- 400.2	402.9	
1	4	2.452	2.453	-0.001	115825317	1.80	130.7- 180.7	175.3	
1	5	2.867	2.867	0.000	119184603	1.76	137.9- 187.9	180.4	
			Average of Peak Amounts =			1.71			
2	6	2.147	2.147	0.000	39630464	1.76		100.0	
2	7	2.571	2.571	0.000	82613093	1.76	176.5- 236.5	208.5	
2	8	3.053	3.054	-0.001	169334332	1.86	362.5- 422.5	427.3	
2	9	3.201	3.201	0.000	70483896	1.82	137.9- 197.9	177.9	
2	10	3.853	3.854	-0.001	68540290	1.90	118.8- 178.8	172.9	
			Average of Peak Amounts =			1.82			
						RPD = 6.50			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.159	4.160	-0.001	179720110	1.77		100.0	
1	2	4.469	4.469	0.000	354090911	1.76	175.1- 225.1	197.0	
1	3	4.767	4.767	0.000	359861421	1.80	173.2- 223.2	200.2	
1	4	5.518	5.518	0.000	499797077	1.84	244.1- 294.1	278.1	
1	5	5.820	5.820	0.000	241501643	1.87	101.5- 151.5	134.4	
			Average of Peak Amounts =			1.81			
2	6	5.140	5.141	-0.001	124581130	1.87		100.0	
2	7	5.388	5.389	-0.001	144653625	2.02	86.6- 146.6	116.1	
2	8	5.776	5.776	0.000	222224121	1.90	142.9- 202.9	178.4	
2	9	6.509	6.509	0.000	277091654	1.95	179.5- 239.5	222.4	
2	10	6.911	6.910	0.001	202027569	1.94	121.8- 181.8	162.2	
			Average of Peak Amounts =			1.94			
						RPD = 6.73			
$ 12 DCB Decachlorobiphenyl									
1	100	7.054	7.056	-0.002	223131818	0.0956			
2	2	8.224	8.224	0.000	133427531	0.0991			
						RPD = 3.58			

QC Flag Legend

Review Flags
M - Manually Integrated

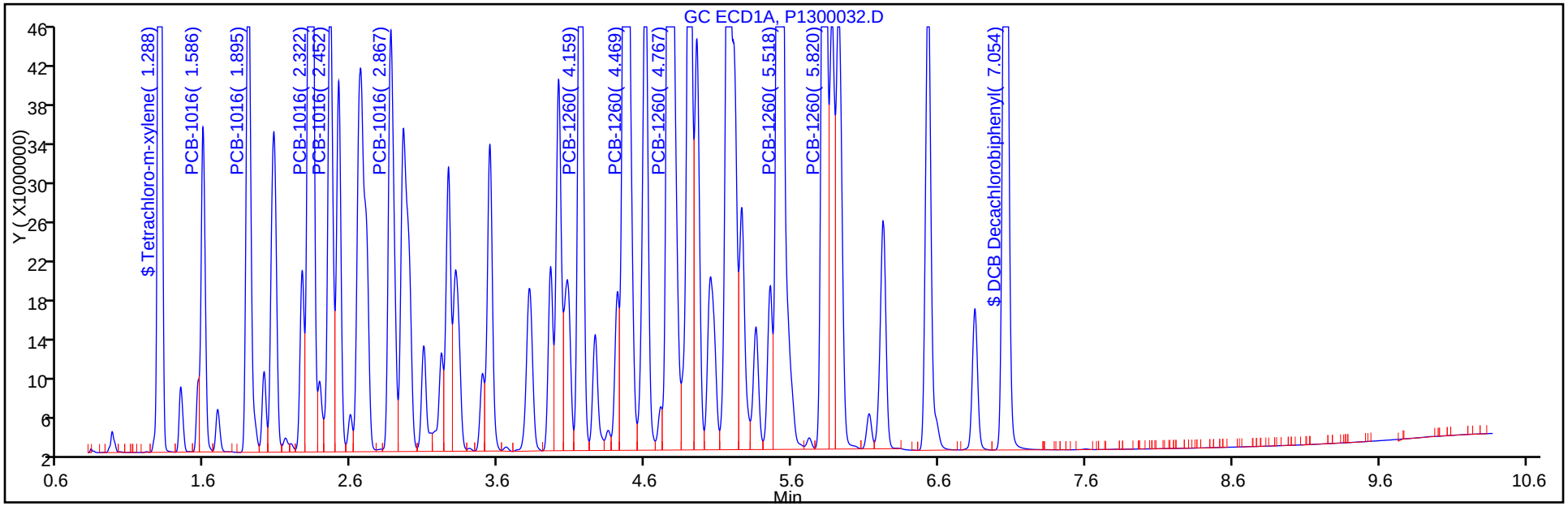
Report Date: 22-Oct-2012 09:18:02 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

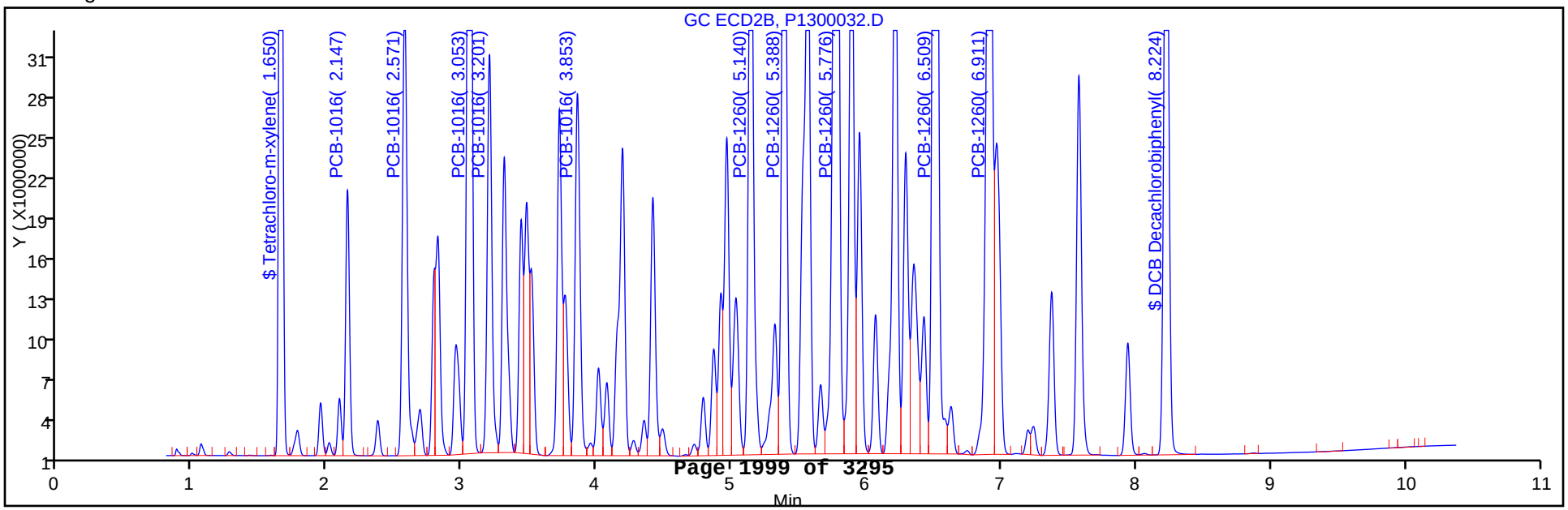
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300032.D

Injection Date:	22-Oct-2012 00:05:52	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	32
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-62068/45 Calibration Date: 10/22/2012 03:19

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 21:21

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 10/21/2012 22:36

Lab File ID: P1300045.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Ave	21610860	20320734		0.940	1.00	-6.0	20.0
PCB-1221 Peak 2	Qua		7360657		0.960	1.00	-4.0	20.0
PCB-1221 Peak 3	Ave	56991135	50457393		0.885	1.00	-11.5	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-62068/45 Calibration Date: 10/22/2012 03:19

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 21:21

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 10/21/2012 22:36

Lab File ID: P1300045.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	1.44	1.39	1.49
PCB-1221 Peak 2	1.56	1.50	1.60
PCB-1221 Peak 3	1.59	1.54	1.64

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300045.D
Lims ID: ICV 1221 Client ID:
Inject. Date: 22-Oct-2012 03:19:31 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0014228-045
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 45
Lims Batch ID: 62068 Lims Sample ID: 45
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:20:04 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:10:49

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									M
1	2	1.435	1.435	0.000	20320734	0.9403		100.0	
1	3	1.557	1.554	0.003	7360657	0.9603	25.0- 75.0	36.2	M
1	4	1.587	1.586	0.001	50457393	0.8854	233.2- 283.2	248.3	M
			Average of Peak Amounts =			0.9286			
2	4	1.947	1.948	-0.001	12351132	0.9324		100.0	
2	5	2.087	2.088	-0.001	8147286	0.9273	37.0- 97.0	66.0	
2	6	2.147	2.148	-0.001	29820772	0.9386	210.7- 270.7	241.4	
			Average of Peak Amounts =			0.9328			
						RPD = 0.44			

QC Flag Legend

Review Flags
M - Manually Integrated

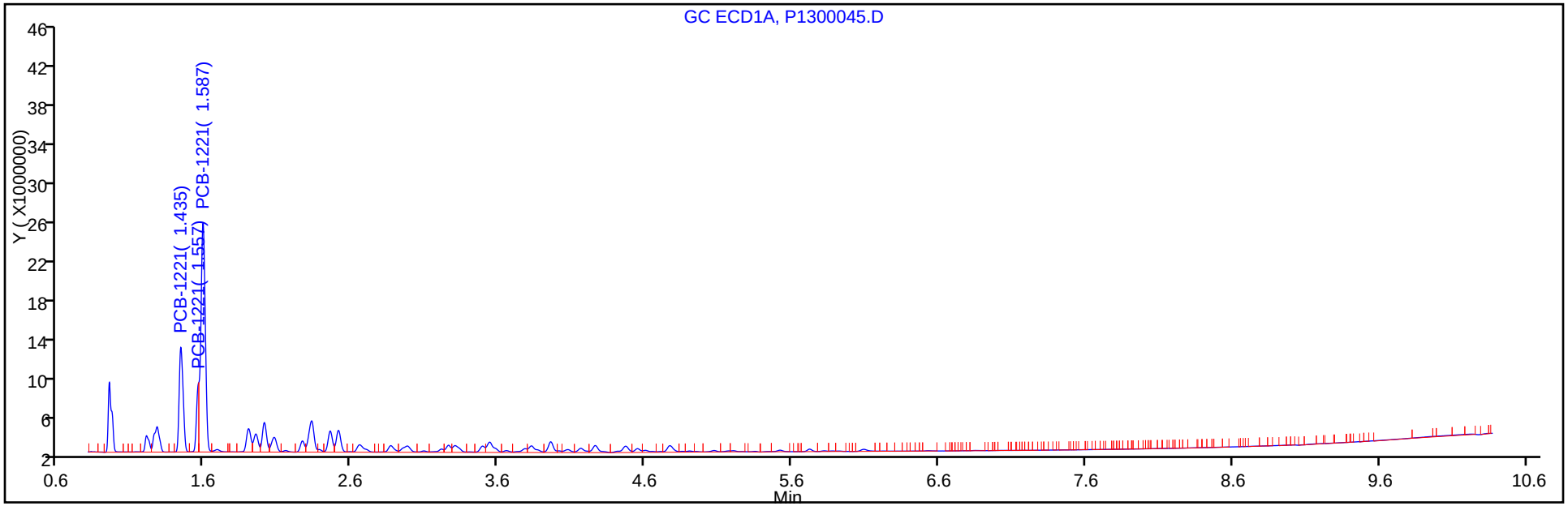
Report Date: 22-Oct-2012 09:20:05 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

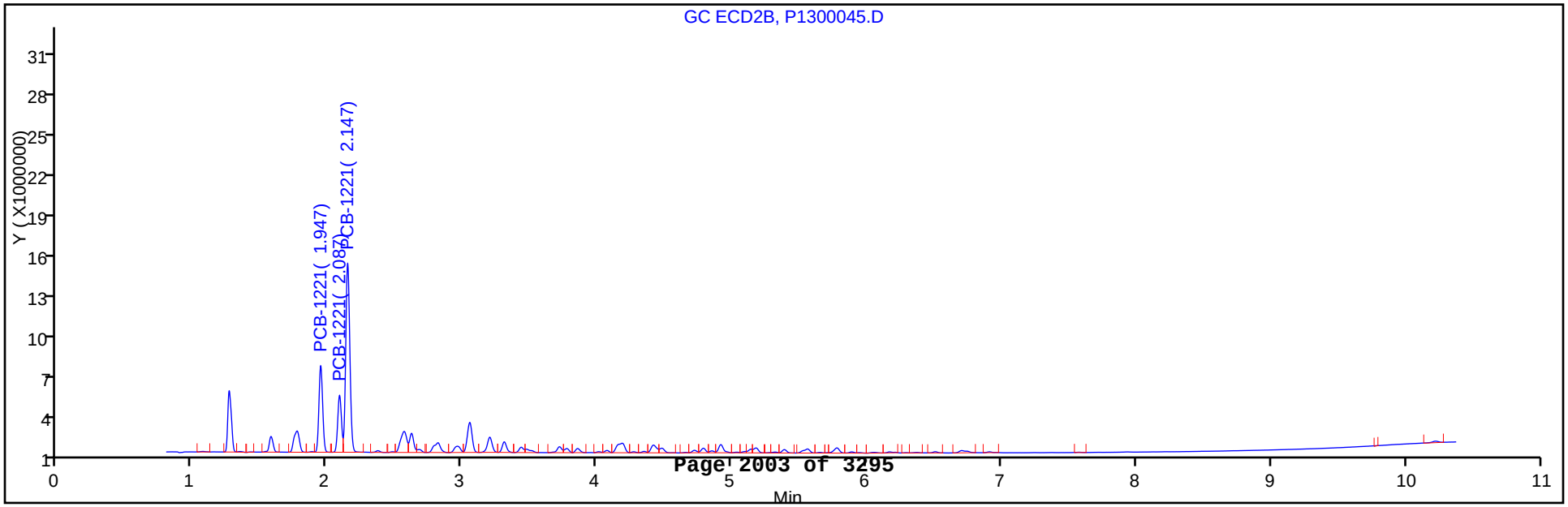
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300045.D

Injection Date:	22-Oct-2012 03:19:31	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	45
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



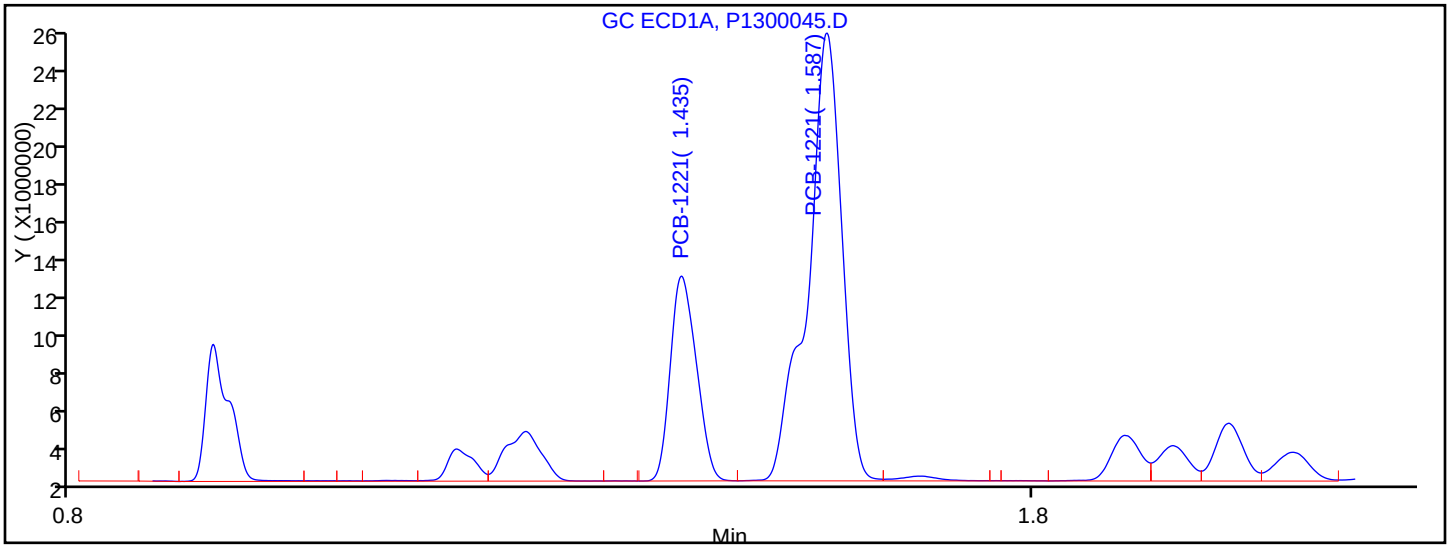
Report Date: 22-Oct-2012 09:20:05 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300045.D

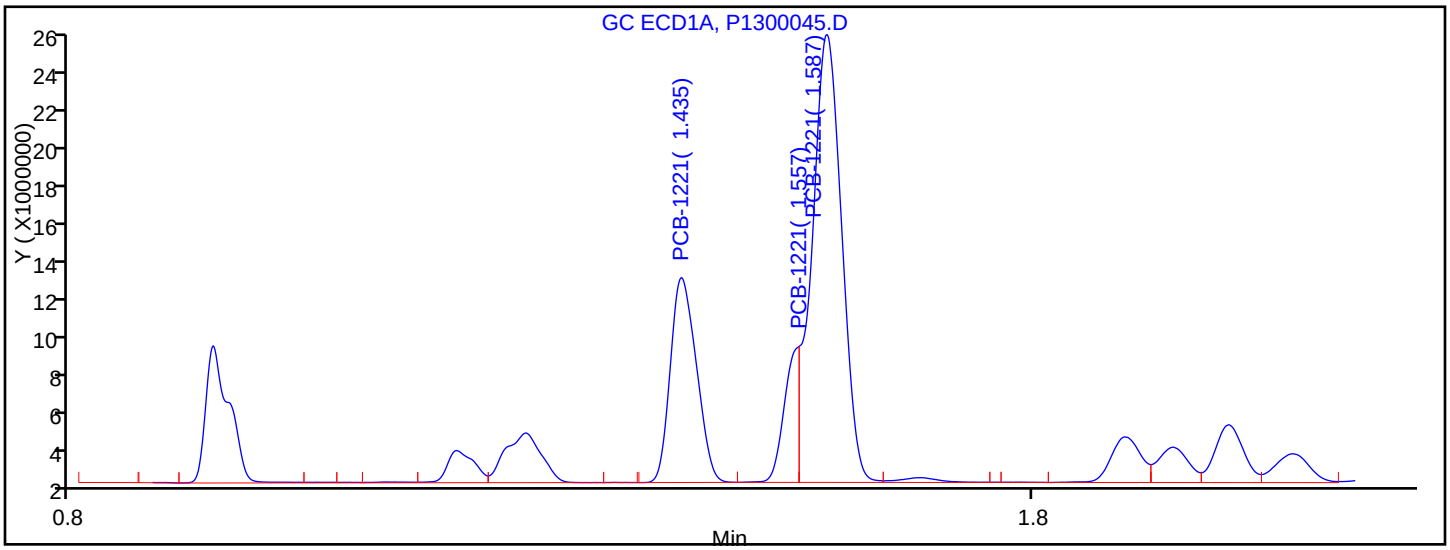
Injection Date:	22-Oct-2012 03:19:31	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	45
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

3 PCB-1221, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.435	Response = 20320734	
RT = 1.586	Response = 0	M
RT = 1.587	Response = 57818081	M



Manual Integration Results

RT = 1.435	Response = 20320734	
RT = 1.557	Response = 7360657	M
RT = 1.587	Response = 50457393	M

Reviewer: hassl, 22-Oct-2012 09:10:49

Audit Action: Manually Integrated/Assigned Compound ID

Audit Reason: Split Peak

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-62068/45 Calibration Date: 10/22/2012 03:19

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 21:21

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 10/21/2012 22:36

Lab File ID: P1300045.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Ave	13246658	12351132		0.932	1.00	-6.8	20.0
PCB-1221 Peak 2	Ave	8785681	8147286		0.927	1.00	-7.3	20.0
PCB-1221 Peak 3	Ave	31772831	29820772		0.939	1.00	-6.1	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-62068/45 Calibration Date: 10/22/2012 03:19

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 21:21

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 10/21/2012 22:36

Lab File ID: P1300045.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	1.95	1.90	2.00
PCB-1221 Peak 2	2.09	2.04	2.14
PCB-1221 Peak 3	2.15	2.10	2.20

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300045.D
Lims ID: ICV 1221 Client ID:
Inject. Date: 22-Oct-2012 03:19:31 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0014228-045
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 45
Lims Batch ID: 62068 Lims Sample ID: 45
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:20:04 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:10:49

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									M
1	2	1.435	1.435	0.000	20320734	0.9403		100.0	
1	3	1.557	1.554	0.003	7360657	0.9603	25.0- 75.0	36.2	M
1	4	1.587	1.586	0.001	50457393	0.8854	233.2- 283.2	248.3	M
			Average of Peak Amounts =			0.9286			
2	4	1.947	1.948	-0.001	12351132	0.9324		100.0	
2	5	2.087	2.088	-0.001	8147286	0.9273	37.0- 97.0	66.0	
2	6	2.147	2.148	-0.001	29820772	0.9386	210.7- 270.7	241.4	
			Average of Peak Amounts =			0.9328			
						RPD = 0.44			

QC Flag Legend

Review Flags
M - Manually Integrated

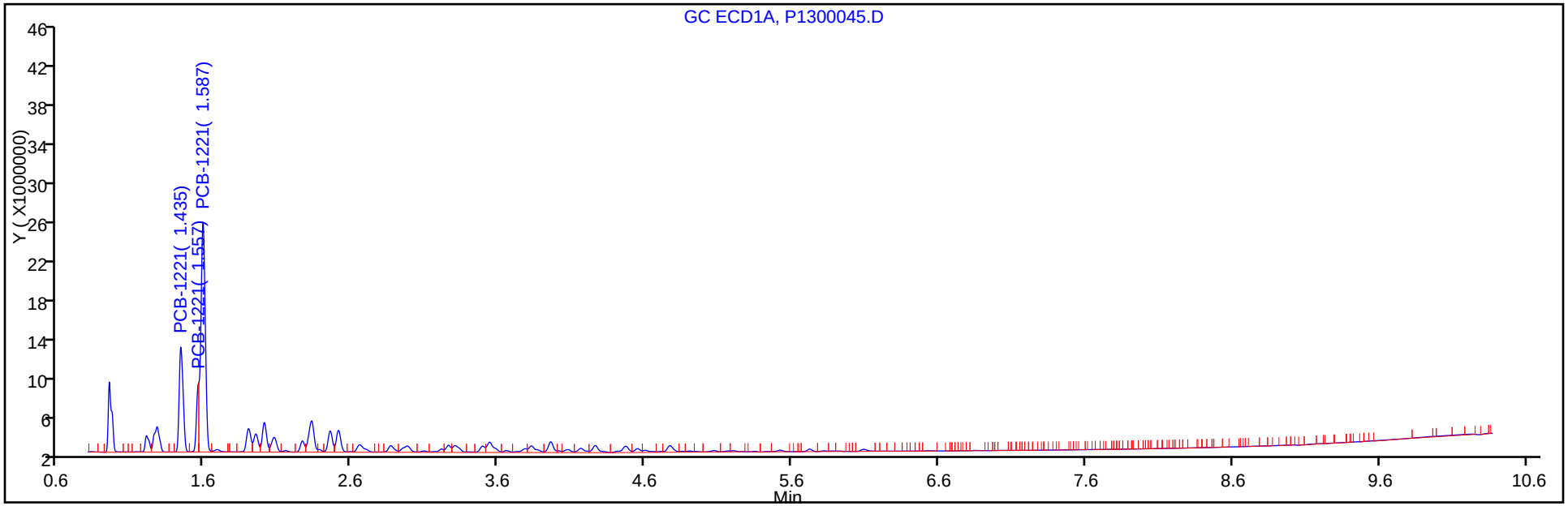
Report Date: 22-Oct-2012 09:20:05 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

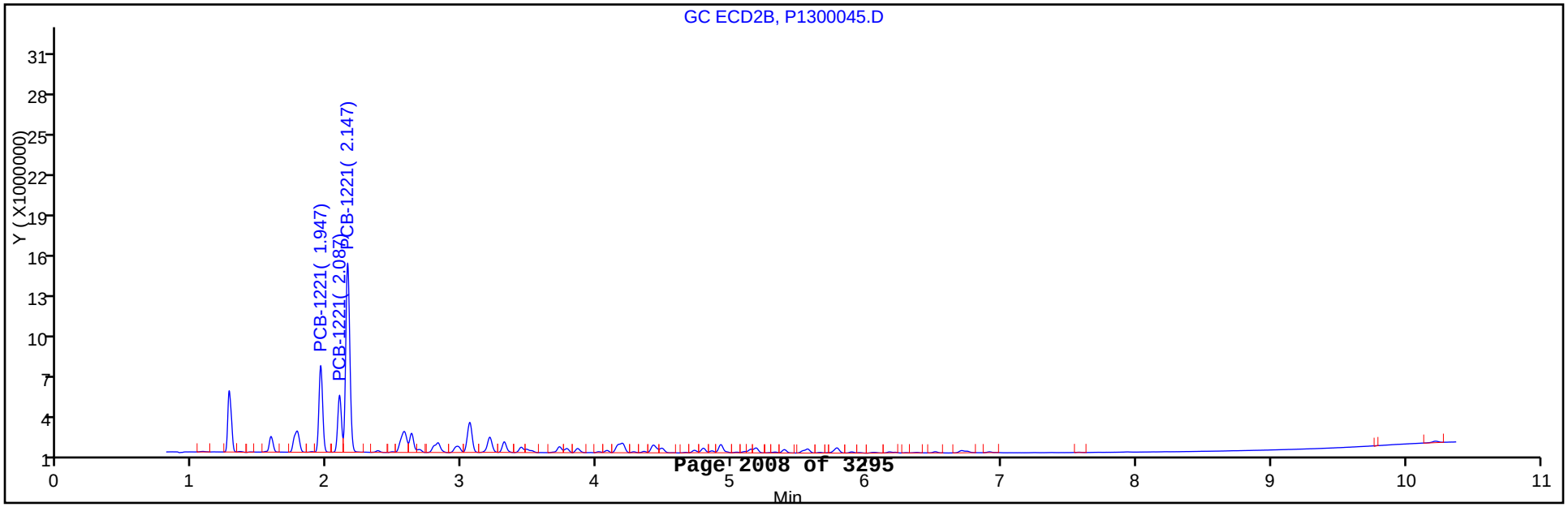
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300045.D

Injection Date:	22-Oct-2012 03:19:31	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	45
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-62068/46 Calibration Date: 10/22/2012 03:34

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 16:53

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 10/21/2012 18:07

Lab File ID: P1300046.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Ave	43047684	42447096		0.986	1.00	-1.4	20.0
PCB-1232 Peak 2	Ave	35621771	36739191		1.03	1.00	3.1	20.0
PCB-1232 Peak 3	Ave	71317840	70927508		0.995	1.00	-0.5	20.0
PCB-1232 Peak 4	Ave	27280514	32224604		1.18	1.00	18.1	20.0
PCB-1232 Peak 5	Ave	29221734	31581550		1.08	1.00	8.1	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-62068/46 Calibration Date: 10/22/2012 03:34

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 16:53

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 10/21/2012 18:07

Lab File ID: P1300046.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	1.59	1.54	1.64
PCB-1232 Peak 2	1.90	1.85	1.95
PCB-1232 Peak 3	2.32	2.27	2.37
PCB-1232 Peak 4	2.45	2.41	2.51
PCB-1232 Peak 5	2.87	2.82	2.92

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300046.D
Lims ID: ICV 1232 Client ID:
Inject. Date: 22-Oct-2012 03:34:31 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0014228-046
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 46
Lims Batch ID: 62068 Lims Sample ID: 46
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:17:22 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:11:37

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									M
1	100	1.586	1.588	-0.002	42447096	0.9860		100.0	M
1	2	1.896	1.898	-0.002	36739191	1.03	57.1- 107.1	86.6	
1	3	2.324	2.323	0.001	70927508	0.99	143.5- 193.5	167.1	
1	4	2.453	2.455	-0.002	32224604	1.18	40.1- 90.1	75.9	
1	5	2.866	2.867	-0.001	31581550	1.08	41.3- 91.3	74.4	
			Average of Peak Amounts =			1.05			
2	6	2.147	2.148	-0.001	25949740	1.07		100.0	
2	7	2.571	2.573	-0.002	25300266	1.08	67.8- 127.8	97.5	
2	8	3.053	3.054	-0.001	45166344	1.11	132.2- 192.2	174.1	
2	9	3.200	3.201	-0.001	18873718	1.08	40.5- 100.5	72.7	
2	10	3.854	3.854	0.000	16323452	1.10	30.2- 90.2	62.9	
			Average of Peak Amounts =			1.09			
						RPD = 3.05			

QC Flag Legend

Review Flags
M - Manually Integrated

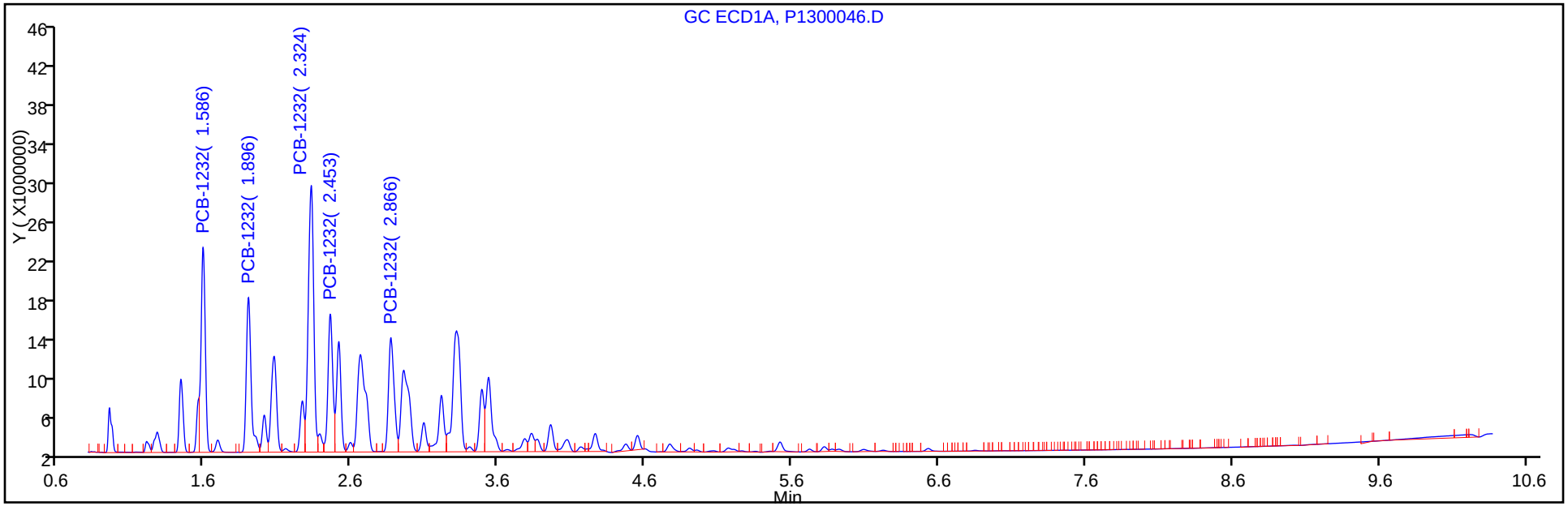
Report Date: 22-Oct-2012 09:17:41 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

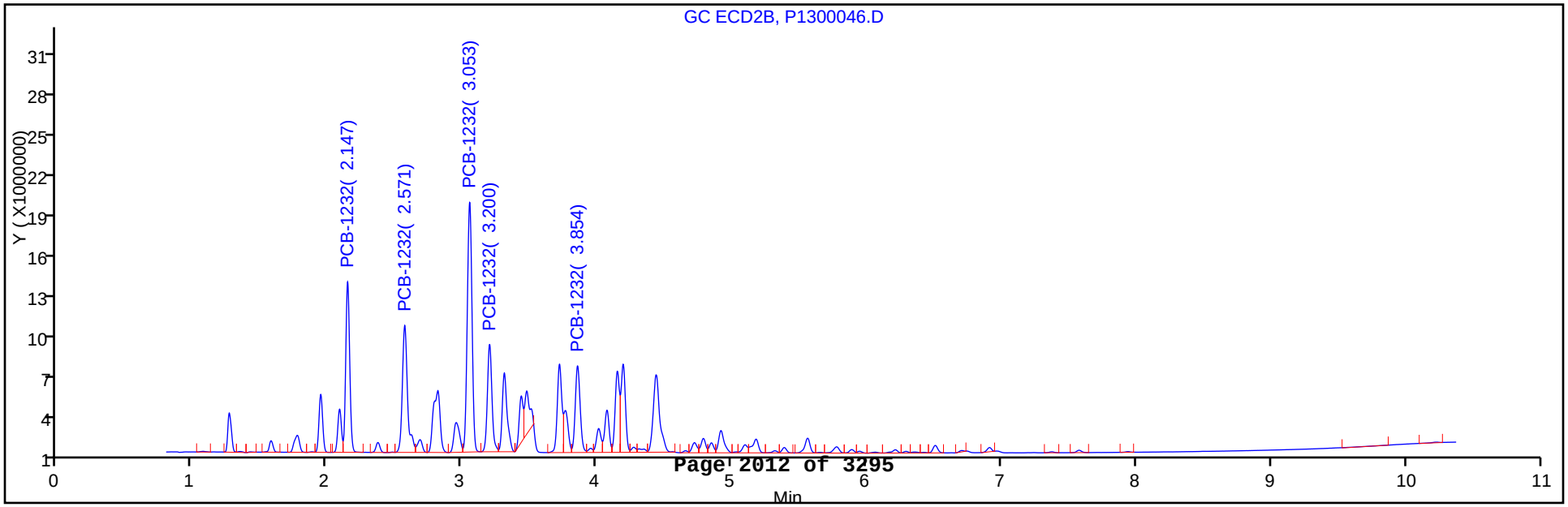
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300046.D

Injection Date:	22-Oct-2012 03:34:31	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	46
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



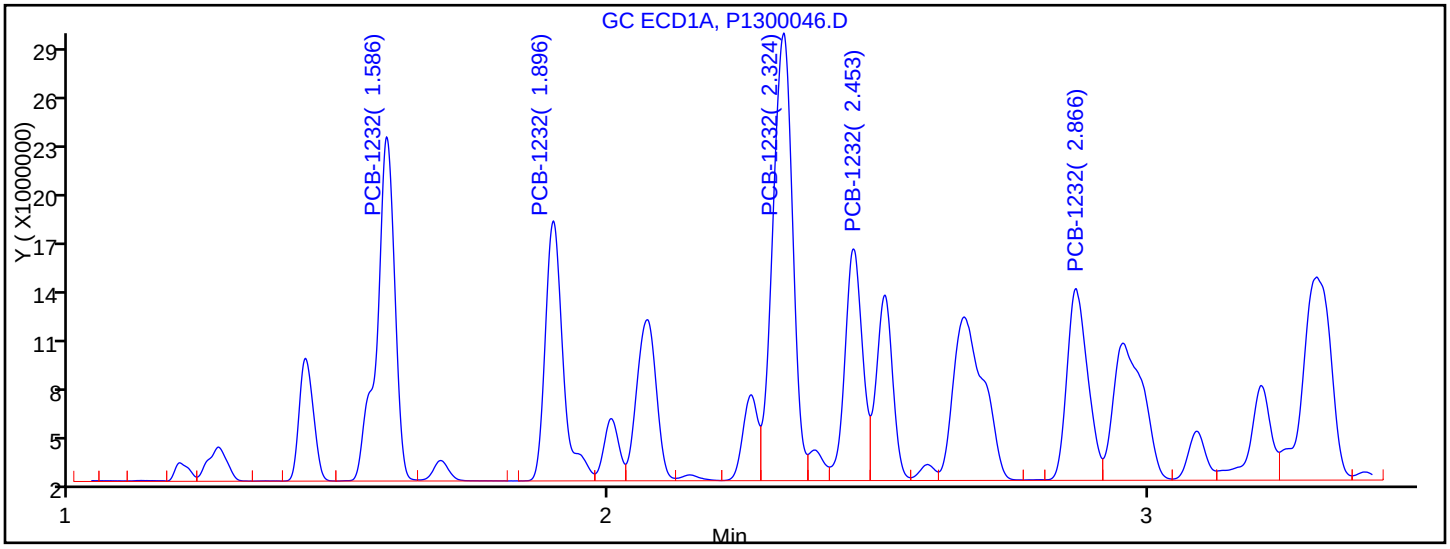
Report Date: 22-Oct-2012 09:17:41 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300046.D

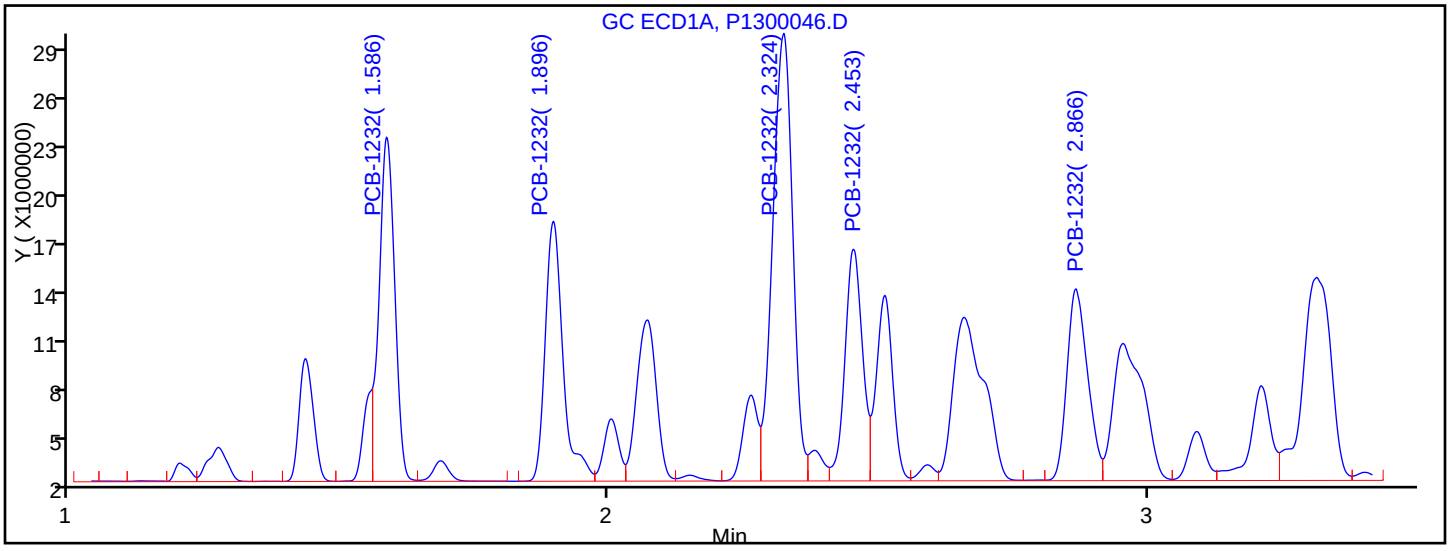
Injection Date:	22-Oct-2012 03:34:31	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	46
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

4 PCB-1232, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.586	Response = 48960234	M
RT = 1.896	Response = 36739191	
RT = 2.324	Response = 70927508	
RT = 2.453	Response = 32224604	
RT = 2.866	Response = 31581550	



Manual Integration Results

RT = 1.586	Response = 42447096	M
RT = 1.896	Response = 36739191	
RT = 2.324	Response = 70927508	
RT = 2.453	Response = 32224604	
RT = 2.866	Response = 31581550	

Reviewer: hassl, 22-Oct-2012 09:16:14

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-62068/46 Calibration Date: 10/22/2012 03:34

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 16:53

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 10/21/2012 18:07

Lab File ID: P1300046.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Ave	24300815	25949740		1.07	1.00	6.8	20.0
PCB-1232 Peak 2	Ave	23466837	25300266		1.08	1.00	7.8	20.0
PCB-1232 Peak 3	Ave	40526397	45166344		1.11	1.00	11.4	20.0
PCB-1232 Peak 4	Ave	17512364	18873718		1.08	1.00	7.8	20.0
PCB-1232 Peak 5	Ave	14852933	16323452		1.10	1.00	9.9	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-62068/46 Calibration Date: 10/22/2012 03:34

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 16:53

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 10/21/2012 18:07

Lab File ID: P1300046.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	2.15	2.10	2.20
PCB-1232 Peak 2	2.57	2.52	2.62
PCB-1232 Peak 3	3.05	3.00	3.10
PCB-1232 Peak 4	3.20	3.15	3.25
PCB-1232 Peak 5	3.85	3.80	3.90

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300046.D
Lims ID: ICV 1232 Client ID:
Inject. Date: 22-Oct-2012 03:34:31 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0014228-046
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 46
Lims Batch ID: 62068 Lims Sample ID: 46
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:17:22 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:11:37

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									M
1	100	1.586	1.588	-0.002	42447096	0.9860		100.0	M
1	2	1.896	1.898	-0.002	36739191	1.03	57.1- 107.1	86.6	
1	3	2.324	2.323	0.001	70927508	0.99	143.5- 193.5	167.1	
1	4	2.453	2.455	-0.002	32224604	1.18	40.1- 90.1	75.9	
1	5	2.866	2.867	-0.001	31581550	1.08	41.3- 91.3	74.4	
			Average of Peak Amounts =			1.05			
2	6	2.147	2.148	-0.001	25949740	1.07		100.0	
2	7	2.571	2.573	-0.002	25300266	1.08	67.8- 127.8	97.5	
2	8	3.053	3.054	-0.001	45166344	1.11	132.2- 192.2	174.1	
2	9	3.200	3.201	-0.001	18873718	1.08	40.5- 100.5	72.7	
2	10	3.854	3.854	0.000	16323452	1.10	30.2- 90.2	62.9	
			Average of Peak Amounts =			1.09			
						RPD = 3.05			

QC Flag Legend

Review Flags
M - Manually Integrated

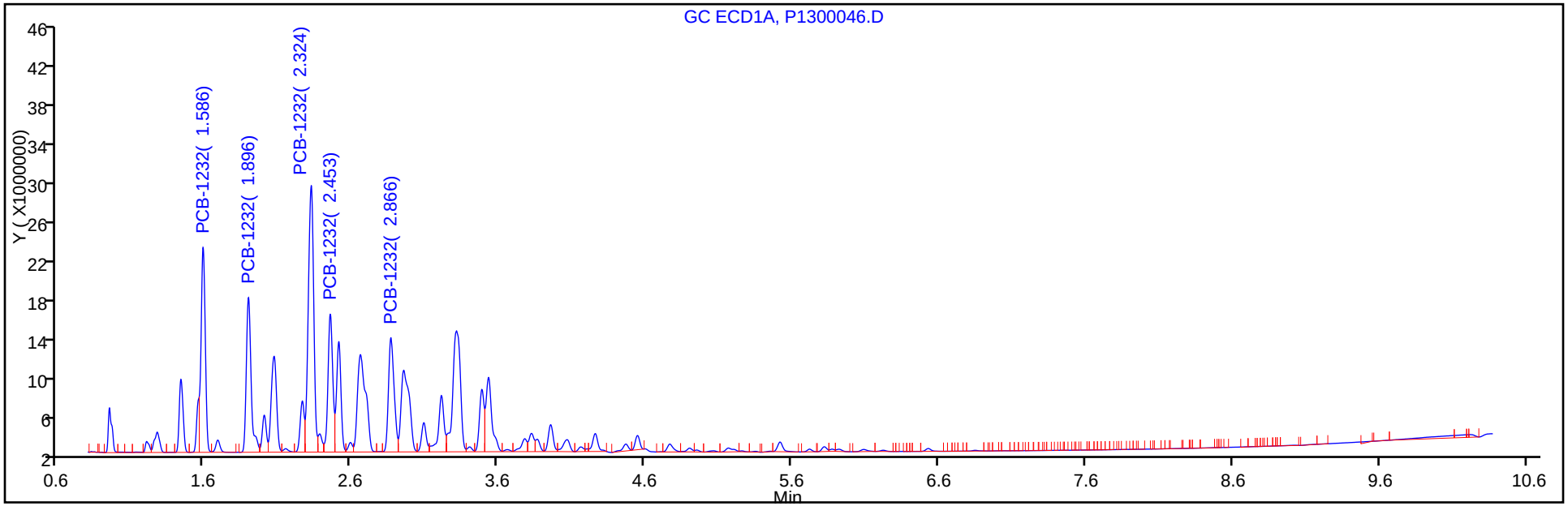
Report Date: 22-Oct-2012 09:17:41 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

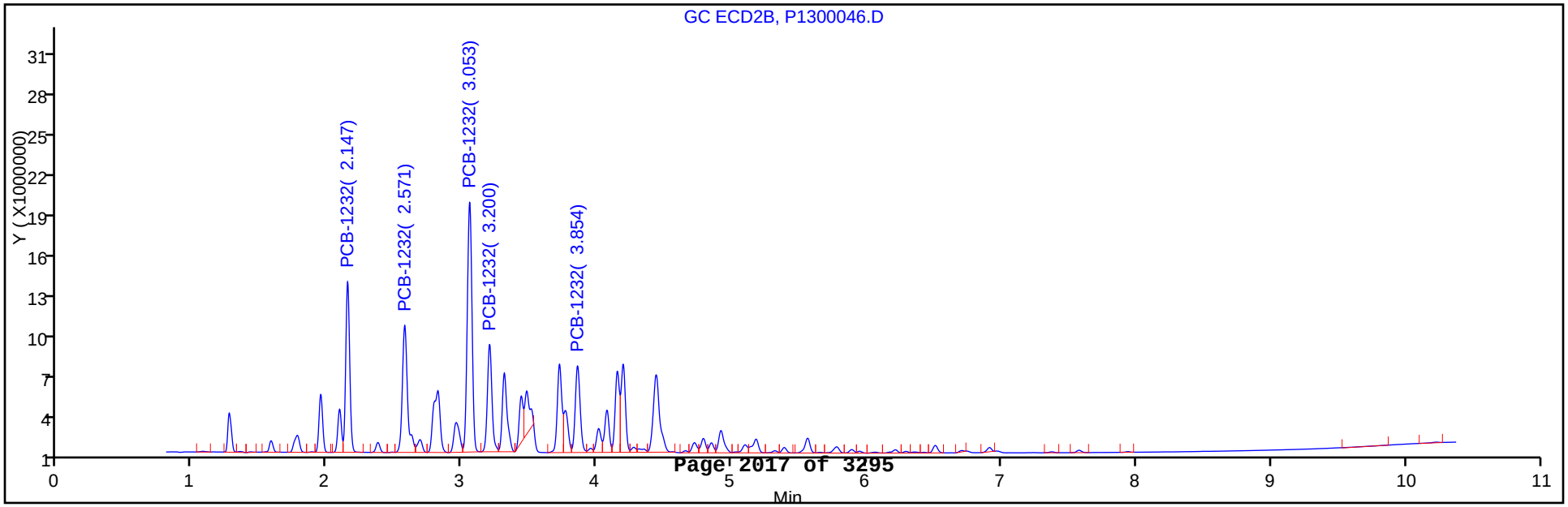
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300046.D

Injection Date:	22-Oct-2012 03:34:31	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	46
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-62068/47 Calibration Date: 10/22/2012 03:49

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 18:22

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 10/21/2012 19:37

Lab File ID: P1300047.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Ave	32907992	31183923		0.948	1.00	-5.2	20.0
PCB-1242 Peak 2	Ave	59672785	55955291		0.938	1.00	-6.2	20.0
PCB-1242 Peak 3	Ave	127394823	113741548		0.893	1.00	-10.7	20.0
PCB-1242 Peak 4	Ave	51831636	52175029		1.01	1.00	0.7	20.0
PCB-1242 Peak 5	Ave	56160721	55256528		0.984	1.00	-1.6	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-62068/47 Calibration Date: 10/22/2012 03:49

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 18:22

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 10/21/2012 19:37

Lab File ID: P1300047.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	1.59	1.54	1.64
PCB-1242 Peak 2	1.90	1.85	1.95
PCB-1242 Peak 3	2.32	2.27	2.37
PCB-1242 Peak 4	2.45	2.40	2.50
PCB-1242 Peak 5	2.87	2.82	2.92

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300047.D
Lims ID: ICV 1242 Client ID:
Inject. Date: 22-Oct-2012 03:49:26 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0014228-047
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 47
Lims Batch ID: 62068 Lims Sample ID: 47
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:17:22 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:15:58

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									M
1	100	1.586	1.587	-0.001	31183923	0.9476		100.0	M
1	2	1.895	1.896	-0.001	55955291	0.9377	156.0- 206.0	179.4	
1	3	2.323	2.323	0.000	113741548	0.8928	355.0- 405.0	364.7	
1	4	2.454	2.454	0.000	52175029	1.01	131.0- 181.0	167.3	
1	5	2.867	2.868	-0.001	55256528	0.9839	142.4- 192.4	177.2	
			Average of Peak Amounts =			0.9537			
2	6	2.147	2.148	-0.001	17410907	0.9335		100.0	
2	7	2.571	2.573	-0.002	36507544	0.9584	176.6- 236.6	209.7	
2	8	3.053	3.053	0.000	72407501	1.00	356.3- 416.3	415.9	
2	9	3.201	3.202	-0.001	30129419	0.9667	135.8- 195.8	173.0	
2	10	3.720	3.719	0.001	27166293	0.9699	121.8- 181.8	156.0	
			Average of Peak Amounts =			0.9650			
						RPD = 1.17			

QC Flag Legend

Review Flags
M - Manually Integrated

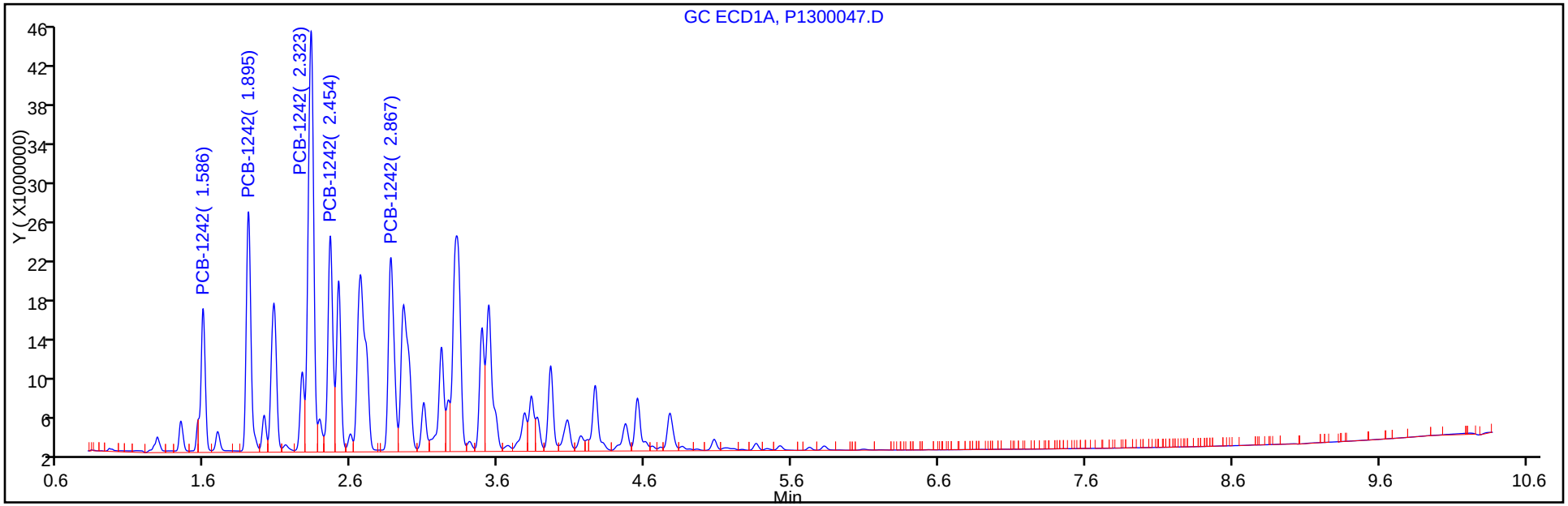
Report Date: 22-Oct-2012 09:17:38 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

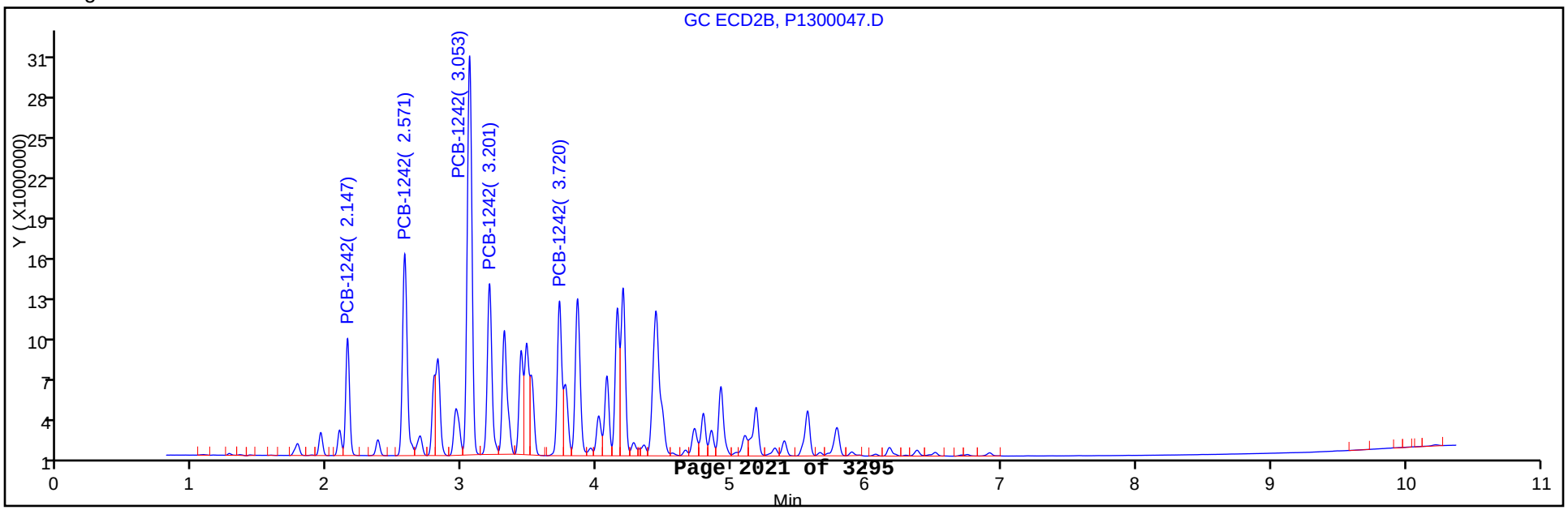
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300047.D

Injection Date:	22-Oct-2012 03:49:26	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	47
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



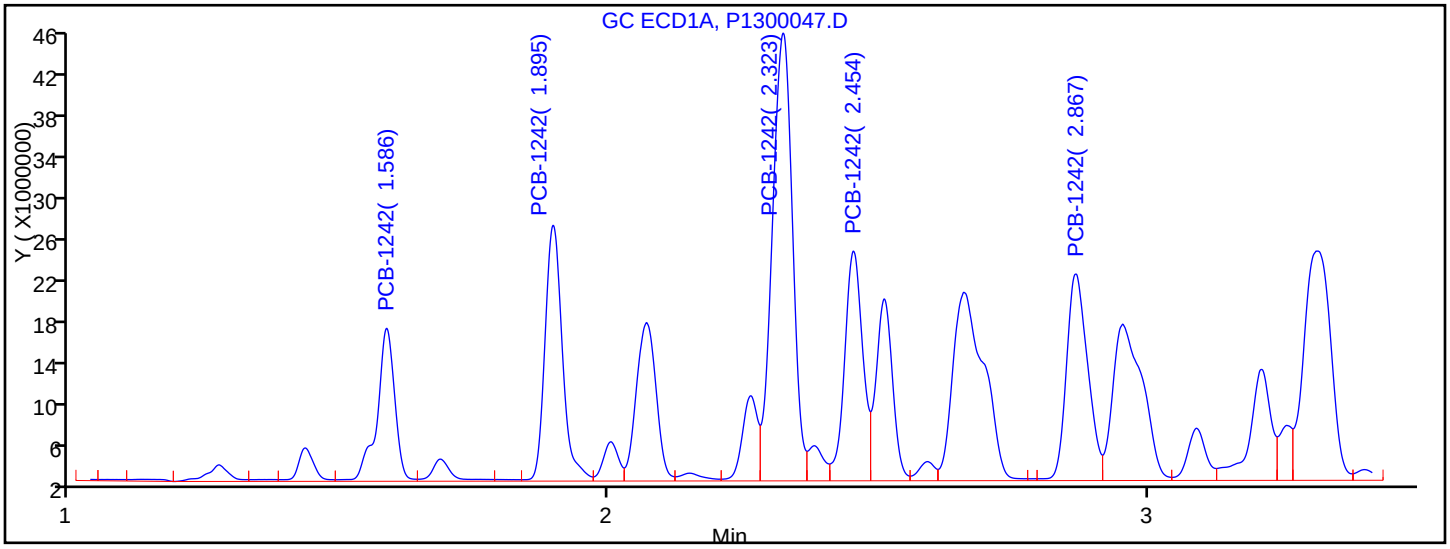
Report Date: 22-Oct-2012 09:17:38 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300047.D

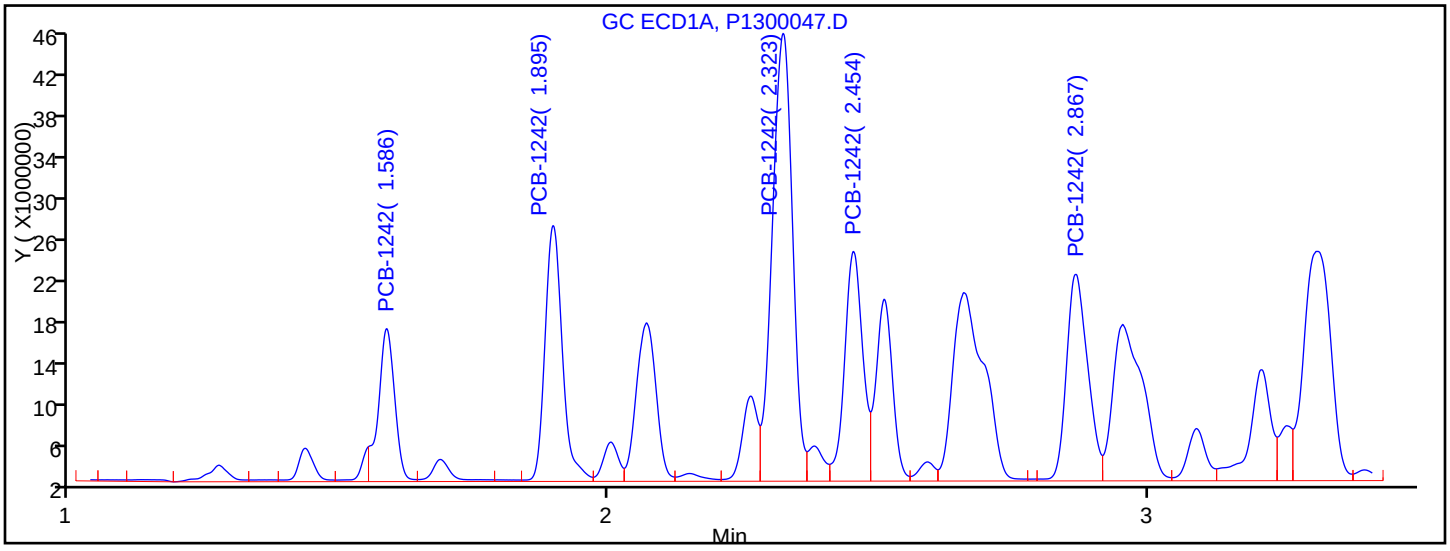
Injection Date:	22-Oct-2012 03:49:26	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	47
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

5 PCB-1242, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.586	Response = 34205640	M
RT = 1.895	Response = 55955291	
RT = 2.323	Response = 113741548	
RT = 2.454	Response = 52175029	
RT = 2.867	Response = 55256528	



Manual Integration Results

RT = 1.586	Response = 31183923	M
RT = 1.895	Response = 55955291	
RT = 2.323	Response = 113741548	
RT = 2.454	Response = 52175029	
RT = 2.867	Response = 55256528	

Reviewer: hassl, 22-Oct-2012 09:15:58

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-62068/47 Calibration Date: 10/22/2012 03:49

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 18:22

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 10/21/2012 19:37

Lab File ID: P1300047.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Ave	18651521	17410907		0.933	1.00	-6.7	20.0
PCB-1242 Peak 2	Ave	38092065	36507544		0.958	1.00	-4.2	20.0
PCB-1242 Peak 3	Ave	72669204	72407501		0.996	1.00	-0.4	20.0
PCB-1242 Peak 4	Ave	31166848	30129419		0.967	1.00	-3.3	20.0
PCB-1242 Peak 5	Ave	28008369	27166293		0.970	1.00	-3.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-62068/47 Calibration Date: 10/22/2012 03:49

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 18:22

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 10/21/2012 19:37

Lab File ID: P1300047.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	2.15	2.10	2.20
PCB-1242 Peak 2	2.57	2.52	2.62
PCB-1242 Peak 3	3.05	3.00	3.10
PCB-1242 Peak 4	3.20	3.15	3.25
PCB-1242 Peak 5	3.72	3.67	3.77

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300047.D
Lims ID: ICV 1242 Client ID:
Inject. Date: 22-Oct-2012 03:49:26 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0014228-047
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 47
Lims Batch ID: 62068 Lims Sample ID: 47
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:17:22 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:15:58

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									M
1	100	1.586	1.587	-0.001	31183923	0.9476		100.0	M
1	2	1.895	1.896	-0.001	55955291	0.9377	156.0- 206.0	179.4	
1	3	2.323	2.323	0.000	113741548	0.8928	355.0- 405.0	364.7	
1	4	2.454	2.454	0.000	52175029	1.01	131.0- 181.0	167.3	
1	5	2.867	2.868	-0.001	55256528	0.9839	142.4- 192.4	177.2	
			Average of Peak Amounts =			0.9537			
2	6	2.147	2.148	-0.001	17410907	0.9335		100.0	
2	7	2.571	2.573	-0.002	36507544	0.9584	176.6- 236.6	209.7	
2	8	3.053	3.053	0.000	72407501	1.00	356.3- 416.3	415.9	
2	9	3.201	3.202	-0.001	30129419	0.9667	135.8- 195.8	173.0	
2	10	3.720	3.719	0.001	27166293	0.9699	121.8- 181.8	156.0	
			Average of Peak Amounts =			0.9650			
						RPD = 1.17			

QC Flag Legend

Review Flags
M - Manually Integrated

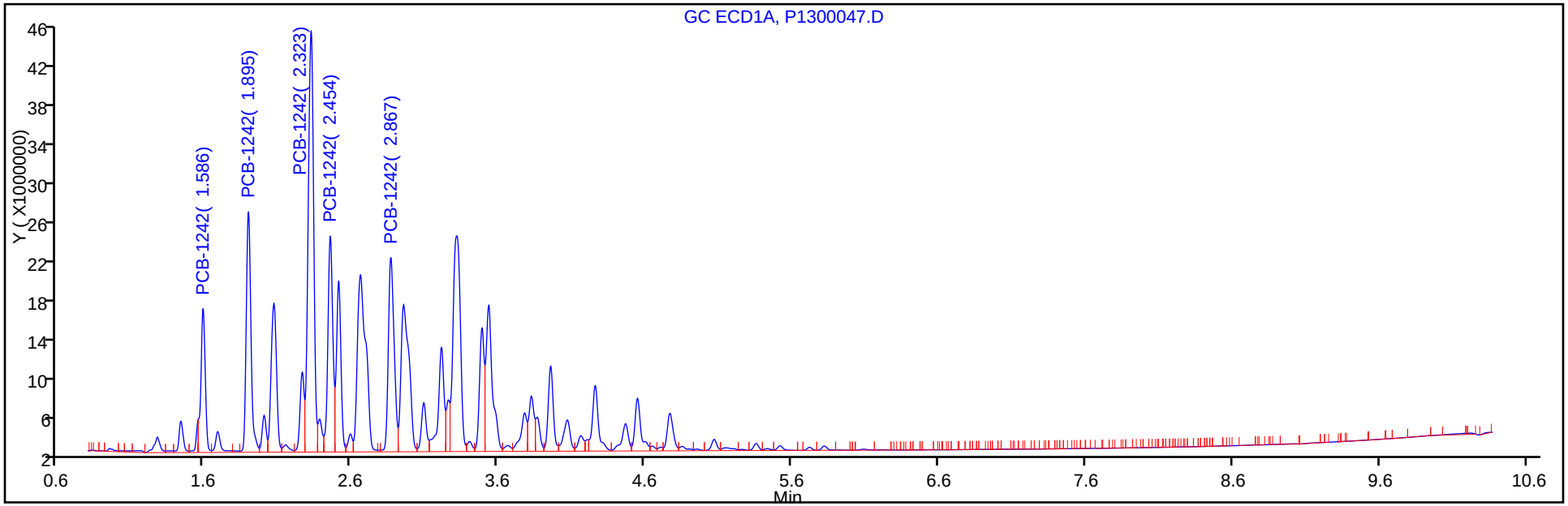
Report Date: 22-Oct-2012 09:17:38 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

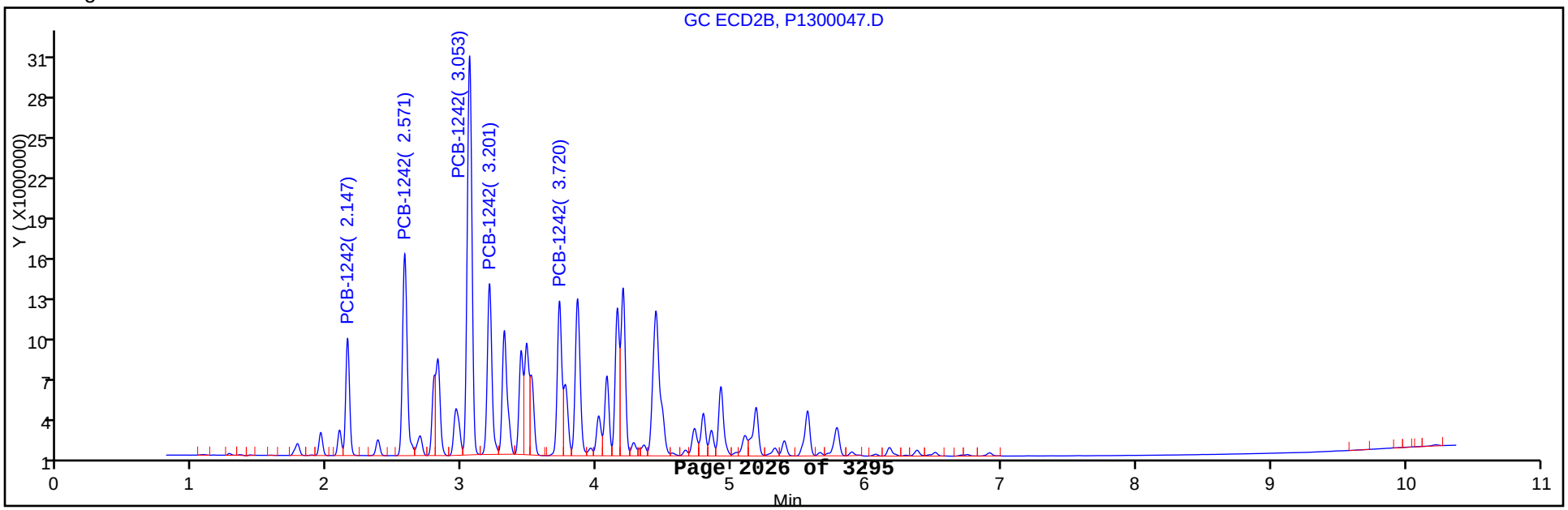
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300047.D

Injection Date:	22-Oct-2012 03:49:26	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	47
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-62068/48 Calibration Date: 10/22/2012 04:04

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 19:52

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 10/21/2012 21:07

Lab File ID: P1300048.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Ave	30360760	31669282		1.04	1.00	4.3	20.0
PCB-1248 Peak 2	Ave	85512527	80529210		0.942	1.00	-5.8	20.0
PCB-1248 Peak 3	Ave	91721796	87576230		0.955	1.00	-4.5	20.0
PCB-1248 Peak 4	Ave	52262328	50034251		0.957	1.00	-4.3	20.0
PCB-1248 Peak 5	Ave	45872480	46288328		1.01	1.00	0.9	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-62068/48 Calibration Date: 10/22/2012 04:04

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 19:52

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 10/21/2012 21:07

Lab File ID: P1300048.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	1.90	1.85	1.95
PCB-1248 Peak 2	2.32	2.27	2.37
PCB-1248 Peak 3	2.87	2.82	2.92
PCB-1248 Peak 4	3.49	3.44	3.54
PCB-1248 Peak 5	3.96	3.91	4.01

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300048.D
Lims ID: ICV 1248 Client ID:
Inject. Date: 22-Oct-2012 04:04:20 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0014228-048
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 48
Lims Batch ID: 62068 Lims Sample ID: 48
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:17:22 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.895	1.895	0.000	31669282	1.04		100.0	
1	2	2.322	2.319	0.003	80529210	0.9417	252.8- 302.8	254.3	
1	3	2.866	2.866	0.000	87576230	0.9548	276.3- 326.3	276.5	
1	4	3.488	3.489	-0.001	50034251	0.9574	147.9- 197.9	158.0	
1	5	3.955	3.955	0.000	46288328	1.01	126.1- 176.1	146.2	
			Average of Peak Amounts =			0.9812			
2	6	2.570	2.570	0.000	20607817	1.08		100.0	
2	7	3.052	3.053	-0.001	52270819	1.06	225.1- 285.1	253.6	
2	8	3.719	3.719	0.000	58714049	0.9709	285.5- 345.5	284.9	
2	9	3.853	3.853	0.000	47710116	0.9598	227.4- 287.4	231.5	
2	10	4.917	4.916	0.001	29540895	0.9887	126.6- 186.6	143.3	
			Average of Peak Amounts =			1.01			
						RPD = 3.01			

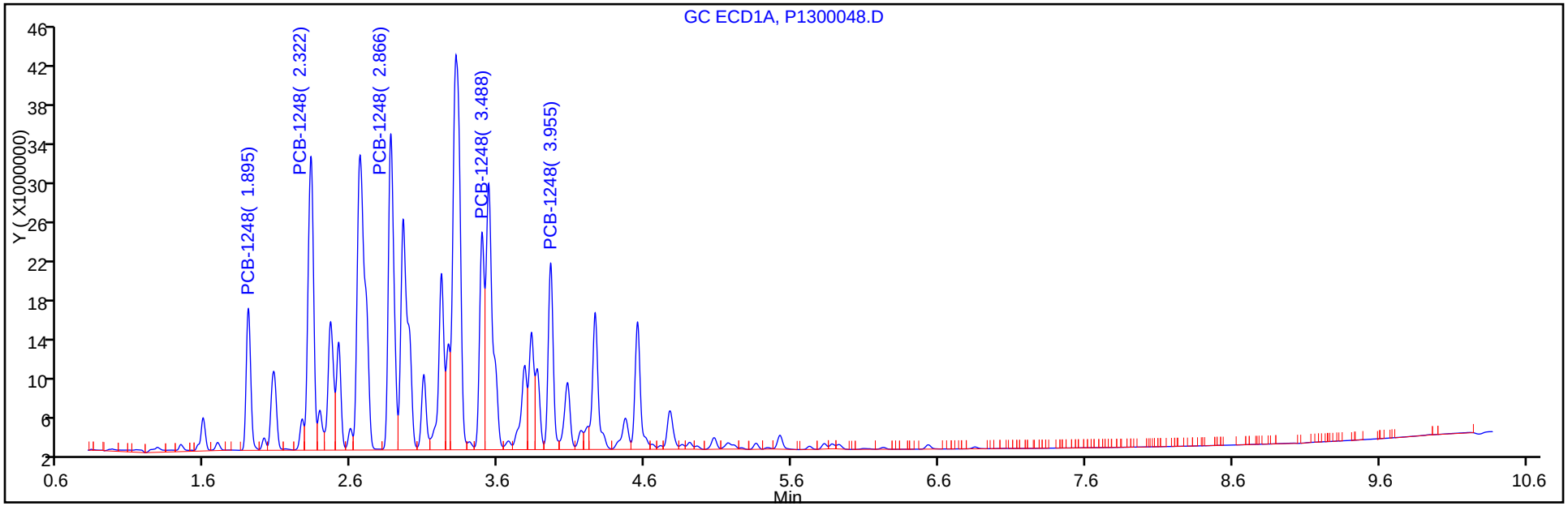
Report Date: 22-Oct-2012 09:17:36 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

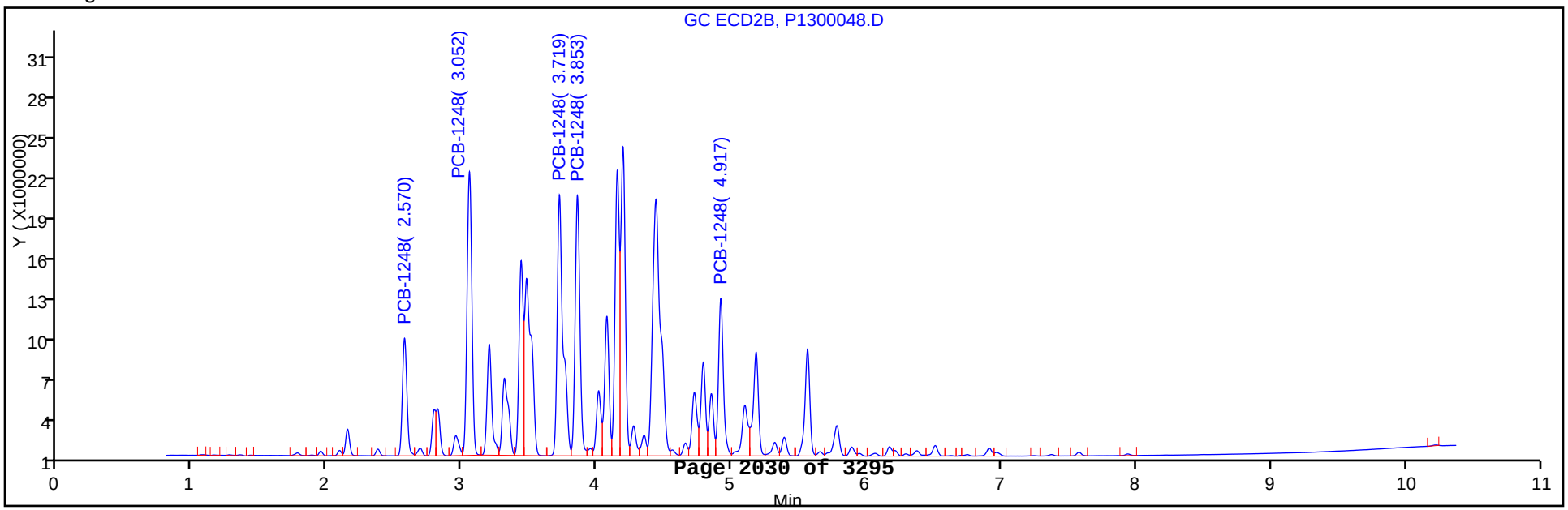
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300048.D

Injection Date:	22-Oct-2012 04:04:20	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	48
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-62068/48 Calibration Date: 10/22/2012 04:04

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 19:52

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 10/21/2012 21:07

Lab File ID: P1300048.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Ave	19163111	20607817		1.08	1.00	7.5	20.0
PCB-1248 Peak 2	Ave	49264300	52270819		1.06	1.00	6.1	20.0
PCB-1248 Peak 3	Ave	60474000	58714049		0.971	1.00	-2.9	20.0
PCB-1248 Peak 4	Ave	49709099	47710116		0.960	1.00	-4.0	20.0
PCB-1248 Peak 5	Ave	29879712	29540895		0.989	1.00	-1.1	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-62068/48 Calibration Date: 10/22/2012 04:04

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 19:52

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 10/21/2012 21:07

Lab File ID: P1300048.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	2.57	2.52	2.62
PCB-1248 Peak 2	3.05	3.00	3.10
PCB-1248 Peak 3	3.72	3.67	3.77
PCB-1248 Peak 4	3.85	3.80	3.90
PCB-1248 Peak 5	4.92	4.87	4.97

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300048.D
Lims ID: ICV 1248 Client ID:
Inject. Date: 22-Oct-2012 04:04:20 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0014228-048
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 48
Lims Batch ID: 62068 Lims Sample ID: 48
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:17:22 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.895	1.895	0.000	31669282	1.04		100.0	
1	2	2.322	2.319	0.003	80529210	0.9417	252.8- 302.8	254.3	
1	3	2.866	2.866	0.000	87576230	0.9548	276.3- 326.3	276.5	
1	4	3.488	3.489	-0.001	50034251	0.9574	147.9- 197.9	158.0	
1	5	3.955	3.955	0.000	46288328	1.01	126.1- 176.1	146.2	
			Average of Peak Amounts =			0.9812			
2	6	2.570	2.570	0.000	20607817	1.08		100.0	
2	7	3.052	3.053	-0.001	52270819	1.06	225.1- 285.1	253.6	
2	8	3.719	3.719	0.000	58714049	0.9709	285.5- 345.5	284.9	
2	9	3.853	3.853	0.000	47710116	0.9598	227.4- 287.4	231.5	
2	10	4.917	4.916	0.001	29540895	0.9887	126.6- 186.6	143.3	
			Average of Peak Amounts =			1.01			
						RPD = 3.01			

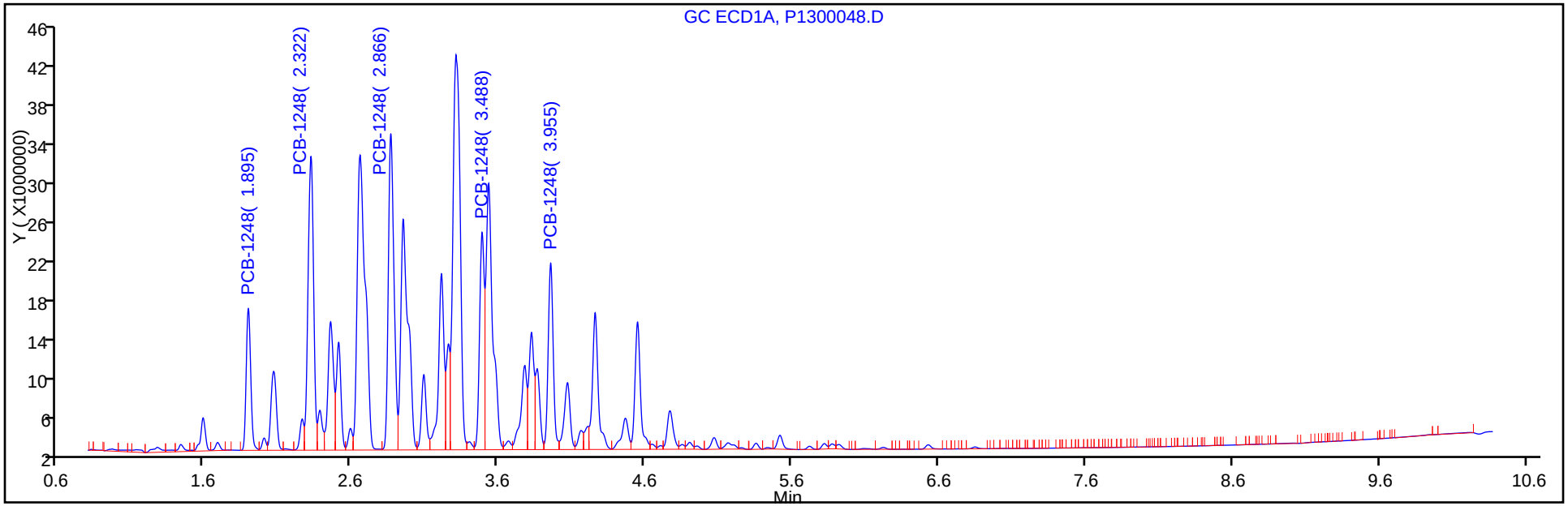
Report Date: 22-Oct-2012 09:17:36 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

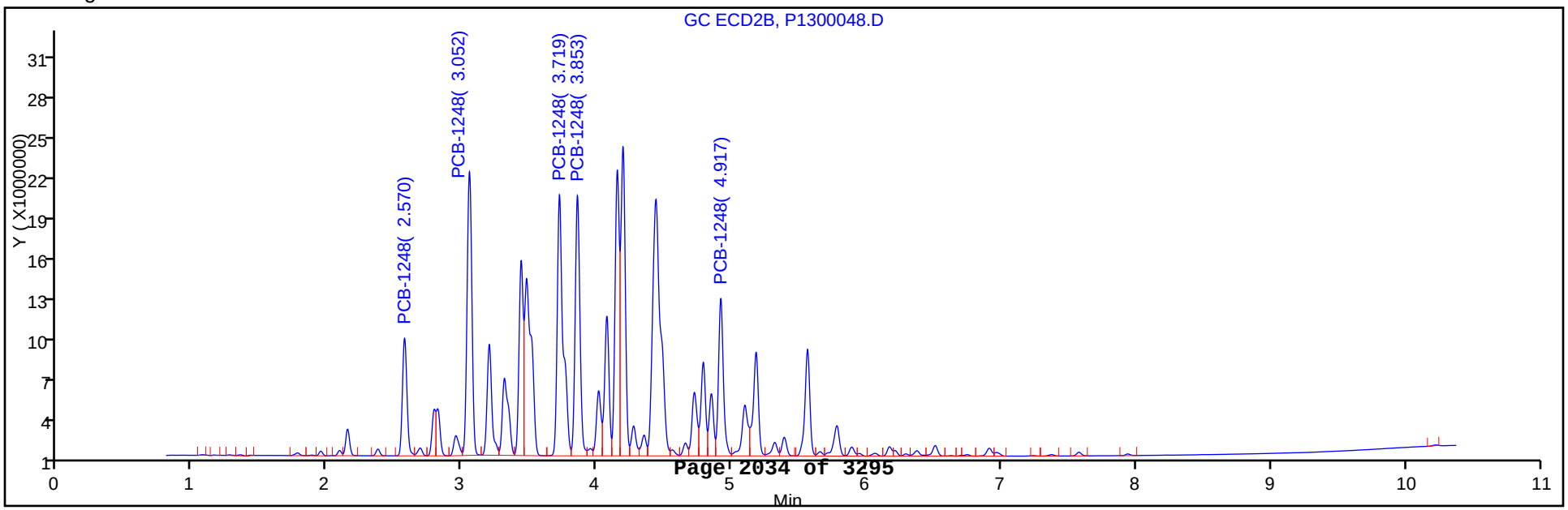
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300048.D

Injection Date:	22-Oct-2012 04:04:20	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	48
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-62068/49 Calibration Date: 10/22/2012 04:19

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 21:21

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 10/21/2012 22:36

Lab File ID: P1300049.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1254 Peak 1	Ave	129854337	134604744		1.04	1.00	3.7	20.0
PCB-1254 Peak 2	Ave	140607863	136235384		0.969	1.00	-3.1	20.0
PCB-1254 Peak 3	Ave	114573263	123557280		1.08	1.00	7.8	20.0
PCB-1254 Peak 4	Ave	98278501	106942531		1.09	1.00	8.8	20.0
PCB-1254 Peak 5	Ave	141316304	157505677		1.11	1.00	11.5	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-62068/49 Calibration Date: 10/22/2012 04:19

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 21:21

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 10/21/2012 22:36

Lab File ID: P1300049.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1254 Peak 1	3.54	3.49	3.59
PCB-1254 Peak 2	3.96	3.91	4.01
PCB-1254 Peak 3	4.26	4.21	4.31
PCB-1254 Peak 4	4.47	4.42	4.52
PCB-1254 Peak 5	4.77	4.72	4.82

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300049.D
Lims ID: ICV 1254 Client ID:
Inject. Date: 22-Oct-2012 04:19:14 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0014228-049
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 49
Lims Batch ID: 62068 Lims Sample ID: 49
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:17:22 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 PCB-1254									
1	100	3.541	3.541	0.000	134604744	1.04		100.0	
1	2	3.955	3.956	-0.001	136235384	0.9689	82.6- 132.6	101.2	
1	3	4.260	4.259	0.001	123557280	1.08	64.9- 114.9	91.8	
1	4	4.465	4.467	-0.002	106942531	1.09	49.9- 99.9	79.4	
1	5	4.768	4.768	0.000	157505677	1.11	84.1- 134.1	117.0	
			Average of Peak Amounts =			1.06			
2	6	4.414	4.413	0.001	59335114	1.04		100.0	
2	7	4.917	4.918	-0.001	91433133	1.03	124.0- 184.0	154.1	
2	8	5.178	5.179	-0.001	65423220	1.08	76.3- 136.3	110.3	
2	9	5.560	5.562	-0.002	73452526	1.09	87.0- 147.0	123.8	
2	10	5.779	5.779	0.000	98411635	1.13	121.1- 181.1	165.9	
			Average of Peak Amounts =			1.07			
						RPD = 1.46			

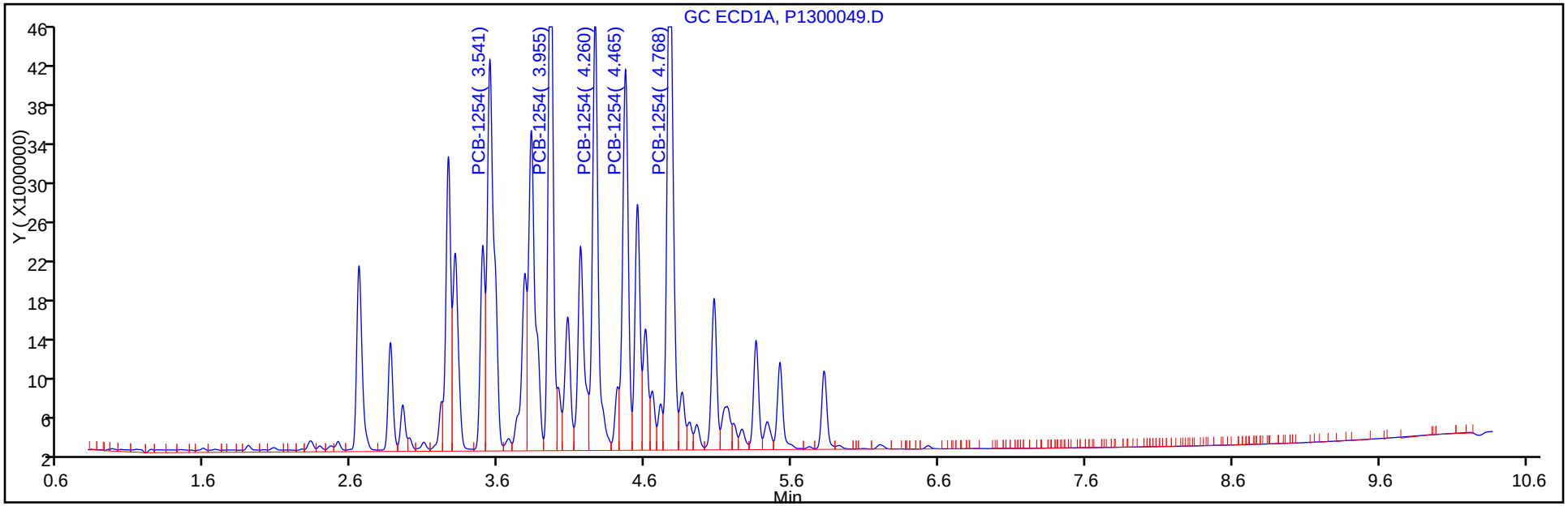
Report Date: 22-Oct-2012 09:17:34 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

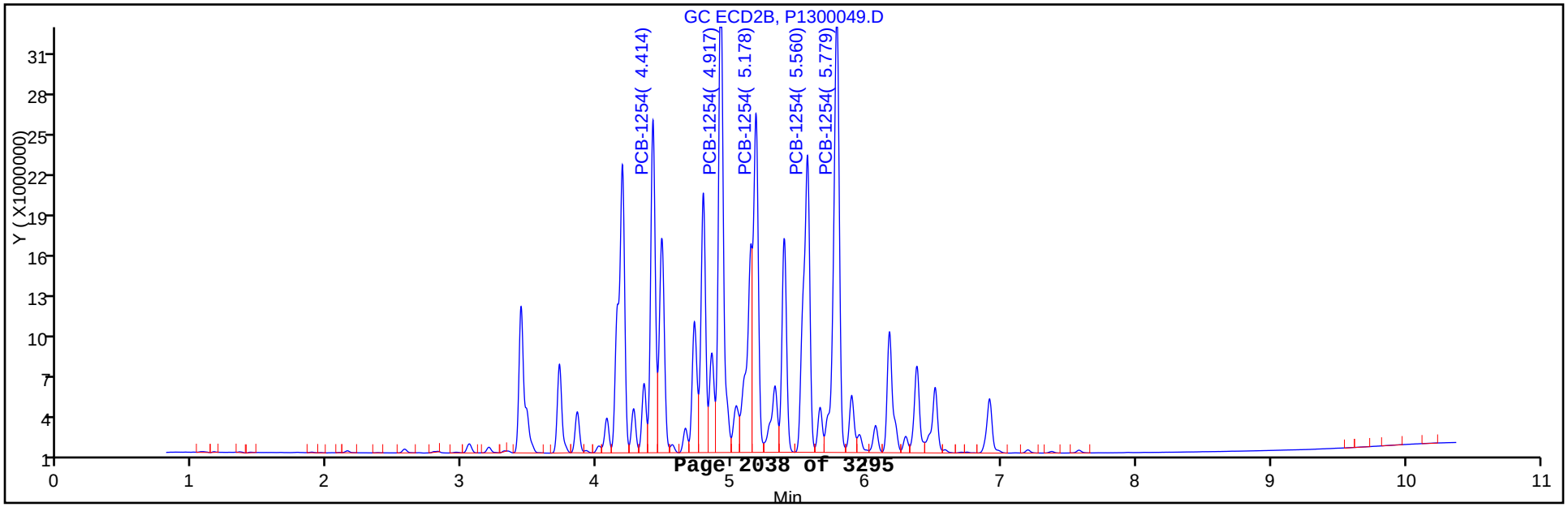
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300049.D

Injection Date:	22-Oct-2012 04:19:14	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	49
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-62068/49 Calibration Date: 10/22/2012 04:19

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 21:21

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 10/21/2012 22:36

Lab File ID: P1300049.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1254 Peak 1	Ave	57268796	59335114		1.04	1.00	3.6	20.0
PCB-1254 Peak 2	Ave	88664644	91433133		1.03	1.00	3.1	20.0
PCB-1254 Peak 3	Ave	60796972	65423220		1.08	1.00	7.6	20.0
PCB-1254 Peak 4	Ave	67557439	73452526		1.09	1.00	8.7	20.0
PCB-1254 Peak 5	Ave	86824427	98411635		1.13	1.00	13.3	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-62068/49 Calibration Date: 10/22/2012 04:19

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 21:21

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 10/21/2012 22:36

Lab File ID: P1300049.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1254 Peak 1	4.41	4.36	4.46
PCB-1254 Peak 2	4.92	4.87	4.97
PCB-1254 Peak 3	5.18	5.13	5.23
PCB-1254 Peak 4	5.56	5.51	5.61
PCB-1254 Peak 5	5.78	5.73	5.83

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300049.D
Lims ID: ICV 1254 Client ID:
Inject. Date: 22-Oct-2012 04:19:14 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0014228-049
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 49
Lims Batch ID: 62068 Lims Sample ID: 49
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:17:22 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 PCB-1254									
1	100	3.541	3.541	0.000	134604744	1.04		100.0	
1	2	3.955	3.956	-0.001	136235384	0.9689	82.6- 132.6	101.2	
1	3	4.260	4.259	0.001	123557280	1.08	64.9- 114.9	91.8	
1	4	4.465	4.467	-0.002	106942531	1.09	49.9- 99.9	79.4	
1	5	4.768	4.768	0.000	157505677	1.11	84.1- 134.1	117.0	
			Average of Peak Amounts =			1.06			
2	6	4.414	4.413	0.001	59335114	1.04		100.0	
2	7	4.917	4.918	-0.001	91433133	1.03	124.0- 184.0	154.1	
2	8	5.178	5.179	-0.001	65423220	1.08	76.3- 136.3	110.3	
2	9	5.560	5.562	-0.002	73452526	1.09	87.0- 147.0	123.8	
2	10	5.779	5.779	0.000	98411635	1.13	121.1- 181.1	165.9	
			Average of Peak Amounts =			1.07			
						RPD = 1.46			

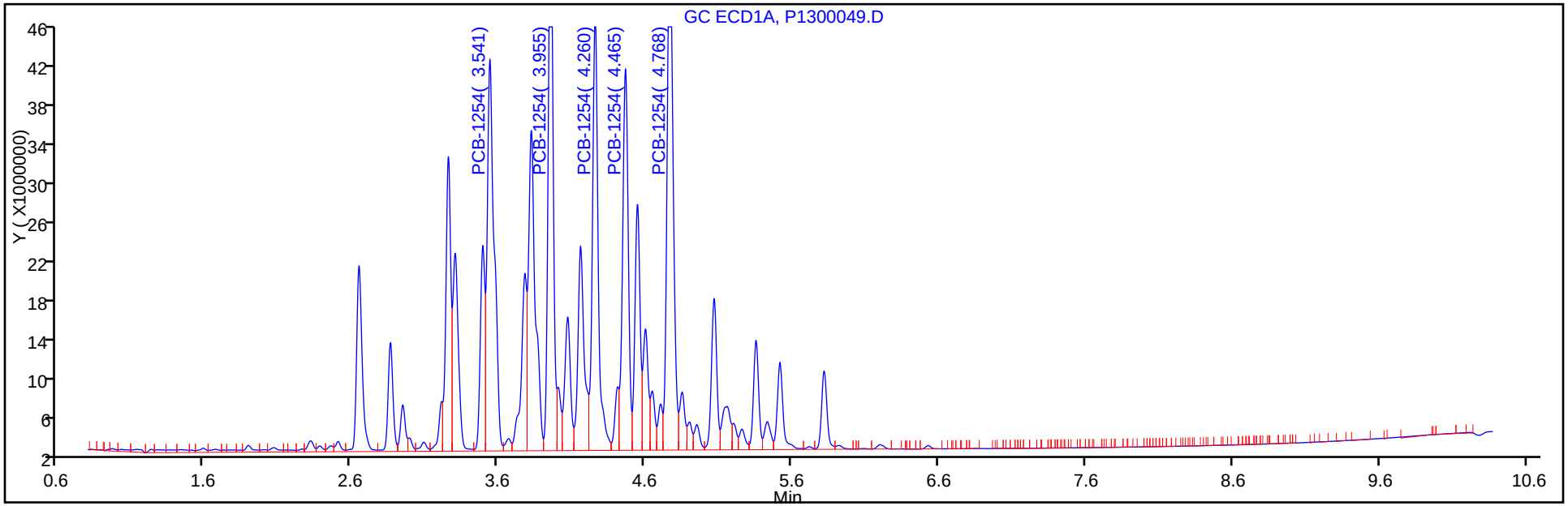
Report Date: 22-Oct-2012 09:17:34 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

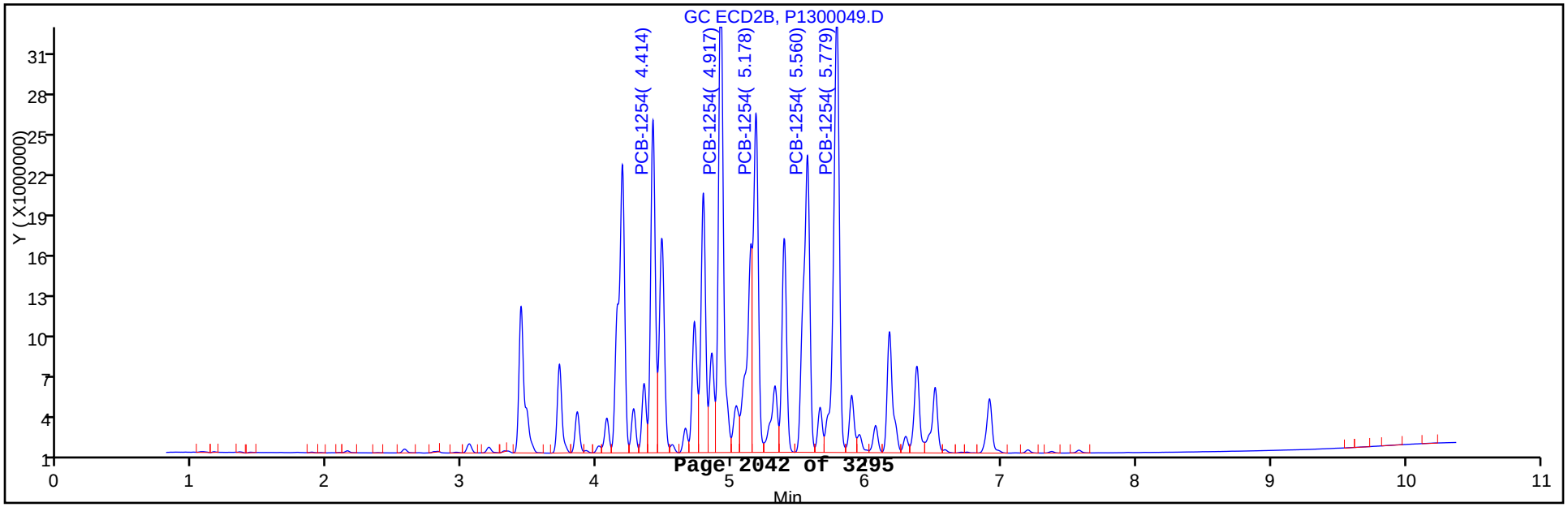
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300049.D

Injection Date:	22-Oct-2012 04:19:14	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	49
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-62068/50 Calibration Date: 10/22/2012 04:34

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 10/22/2012 00:05

Lab File ID: P1300050.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	40655544	38228313		0.940	1.00	-6.0	20.0
PCB-1016 Peak 2	Ave	71876982	71723522		0.998	1.00	-0.2	20.0
PCB-1016 Peak 3	Ave	155218061	145252214		0.936	1.00	-6.4	20.0
PCB-1016 Peak 4	Ave	64472512	68052214		1.06	1.00	5.6	20.0
PCB-1016 Peak 5	Ave	67849134	69850424		1.03	1.00	2.9	20.0
PCB-1260 Peak 1	Ave	101355640	101972175		1.01	1.00	0.6	20.0
PCB-1260 Peak 2	Ave	200632590	201607884		1.00	1.00	0.5	20.0
PCB-1260 Peak 3	Ave	200043209	191897453		0.959	1.00	-4.1	20.0
PCB-1260 Peak 4	Ave	271809958	324736998		1.19	1.00	19.5	20.0
PCB-1260 Peak 5	Ave	129152153	145454031		1.13	1.00	12.6	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-62068/50 Calibration Date: 10/22/2012 04:34

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 10/22/2012 00:05

Lab File ID: P1300050.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	1.59	1.54	1.64
PCB-1016 Peak 2	1.90	1.85	1.95
PCB-1016 Peak 3	2.33	2.27	2.37
PCB-1016 Peak 4	2.45	2.40	2.50
PCB-1016 Peak 5	2.87	2.82	2.92
PCB-1260 Peak 1	4.16	4.11	4.21
PCB-1260 Peak 2	4.47	4.42	4.52
PCB-1260 Peak 3	4.77	4.72	4.82
PCB-1260 Peak 4	5.52	5.47	5.57
PCB-1260 Peak 5	5.82	5.77	5.87

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300050.D
Lims ID: ICV 1660 Client ID:
Inject. Date: 22-Oct-2012 04:34:07 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0014228-050
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 50
Lims Batch ID: 62068 Lims Sample ID: 50
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:17:22 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:15:31

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 PCB-1016									M
1	100	1.586	1.587	-0.001	38228313	0.9403		100.0	M
1	2	1.896	1.896	0.000	71723522	1.00	149.3- 199.3	187.6	
1	3	2.325	2.323	0.002	145252214	0.9358	350.2- 400.2	380.0	
1	4	2.454	2.453	0.001	68052214	1.06	130.7- 180.7	178.0	
1	5	2.866	2.867	-0.001	69850424	1.03	137.9- 187.9	182.7	
			Average of Peak Amounts =			0.99			
2	6	2.147	2.147	0.000	23415698	1.04		100.0	
2	7	2.571	2.571	0.000	48518836	1.03	176.5- 236.5	207.2	
2	8	3.053	3.054	-0.001	97238509	1.07	362.5- 422.5	415.3	
2	9	3.201	3.201	0.000	40441239	1.04	137.9- 197.9	172.7	
2	10	3.855	3.854	0.001	37216207	1.03	118.8- 178.8	158.9	
			Average of Peak Amounts =			1.04			
						RPD = 5.18			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.160	4.160	0.000	101972175	1.01		100.0	
1	2	4.469	4.469	0.000	201607884	1.00	175.1- 225.1	197.7	
1	3	4.768	4.767	0.001	191897453	0.9593	173.2- 223.2	188.2	
1	4	5.519	5.518	0.001	324736998	1.19	244.1- 294.1	318.5	
1	5	5.821	5.820	0.001	145454031	1.13	101.5- 151.5	142.6	
			Average of Peak Amounts =			1.06			
2	6	5.141	5.141	0.000	66548848	1.00		100.0	
2	7	5.388	5.389	-0.001	81523657	1.12	86.6- 146.6	122.5	
2	8	5.776	5.776	0.000	112380662	0.9619	142.9- 202.9	168.9	
2	9	6.510	6.509	0.001	177322502	1.25	179.5- 239.5	266.5	
2	10	6.911	6.910	0.001	124132552	1.19	121.8- 181.8	186.5	
			Average of Peak Amounts =			1.10			
						RPD = 4.17			

QC Flag Legend

Review Flags
M - Manually Integrated

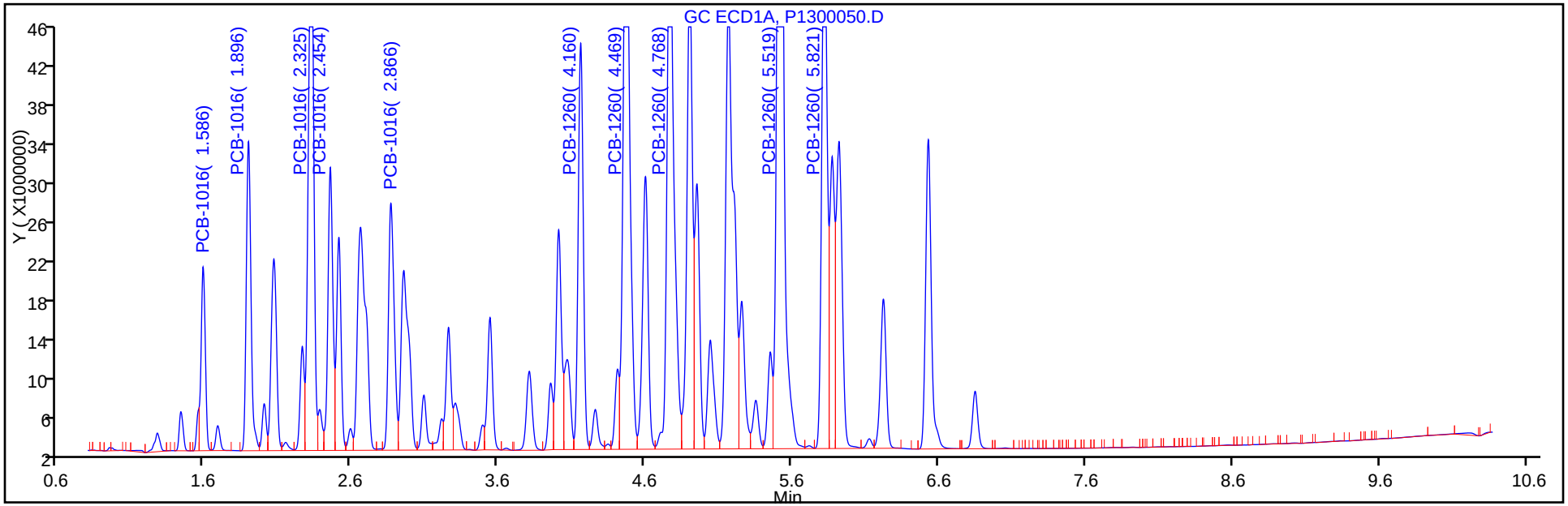
Report Date: 22-Oct-2012 09:17:31 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

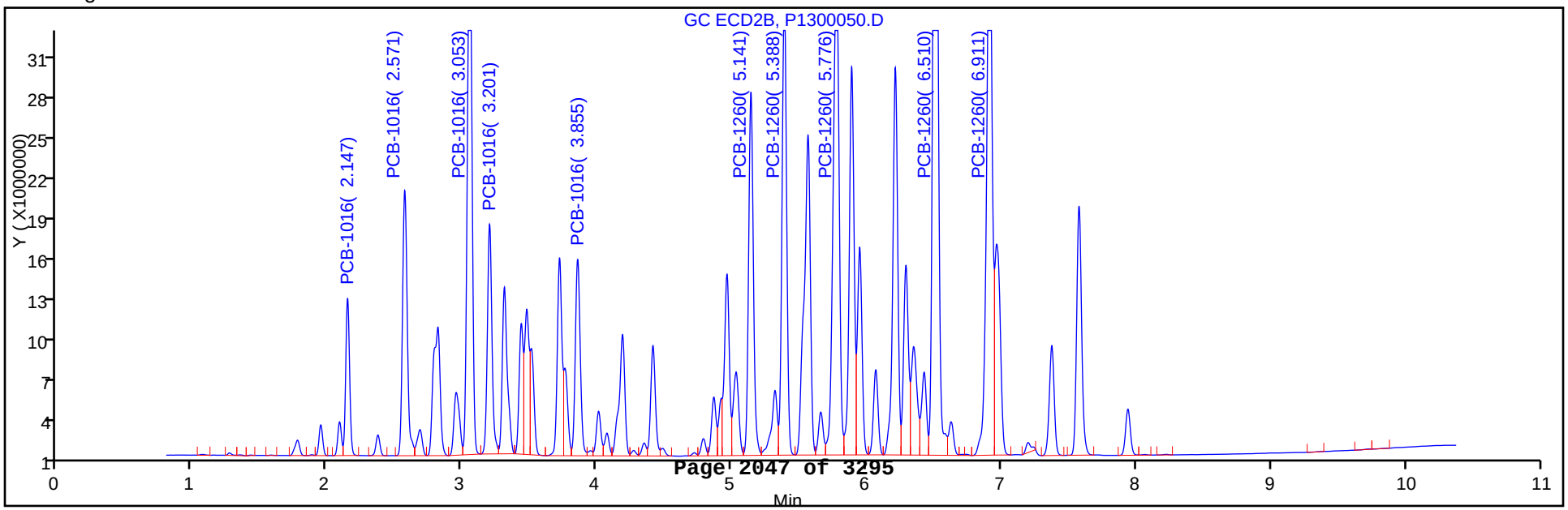
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300050.D

Injection Date:	22-Oct-2012 04:34:07	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	50
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



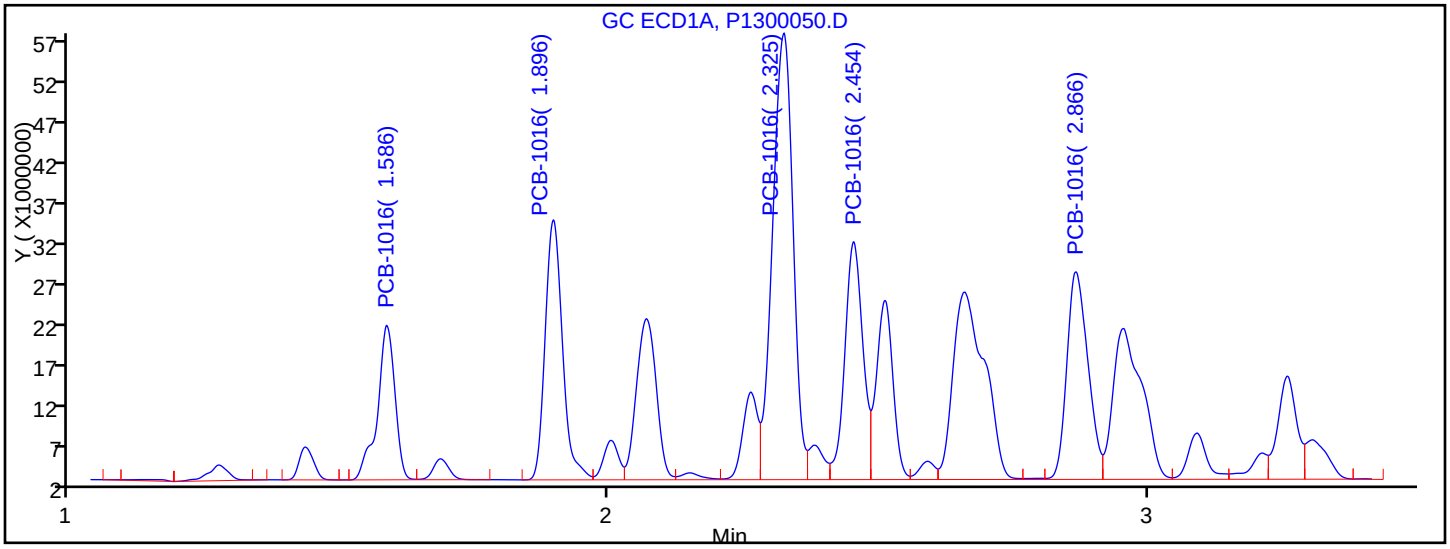
Report Date: 22-Oct-2012 09:17:31 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300050.D

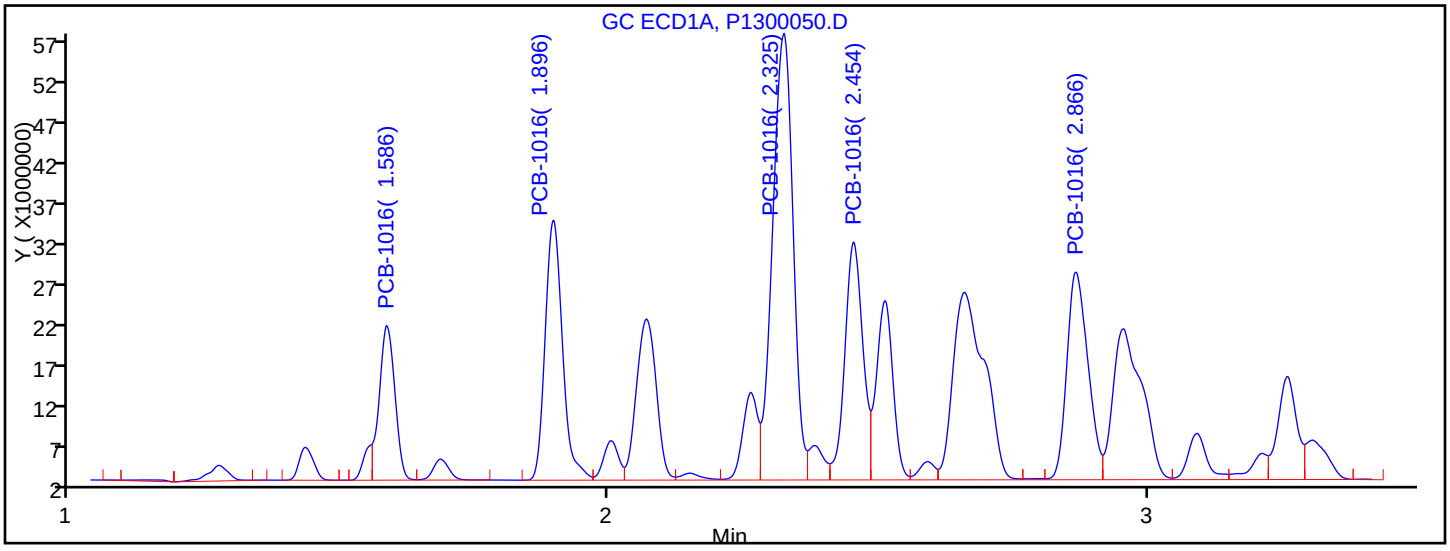
Injection Date:	22-Oct-2012 04:34:07	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	50
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

6 PCB-1016, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.586	Response = 43047096	M
RT = 1.896	Response = 71723522	
RT = 2.325	Response = 145252214	
RT = 2.454	Response = 68052214	
RT = 2.866	Response = 69850424	



Manual Integration Results

RT = 1.586	Response = 38228313	M
RT = 1.896	Response = 71723522	
RT = 2.325	Response = 145252214	
RT = 2.454	Response = 68052214	
RT = 2.866	Response = 69850424	

Reviewer: hassl, 22-Oct-2012 09:15:31

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-62068/50 Calibration Date: 10/22/2012 04:34

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 10/22/2012 00:05

Lab File ID: P1300050.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	22473505	23415698		1.04	1.00	4.2	20.0
PCB-1016 Peak 2	Ave	46910344	48518836		1.03	1.00	3.4	20.0
PCB-1016 Peak 3	Ave	90857261	97238509		1.07	1.00	7.0	20.0
PCB-1016 Peak 4	Ave	38716589	40441239		1.04	1.00	4.5	20.0
PCB-1016 Peak 5	Ave	36067525	37216207		1.03	1.00	3.2	20.0
PCB-1260 Peak 1	Ave	66648717	66548848		0.999	1.00	-0.1	20.0
PCB-1260 Peak 2	Lin1		81523657		1.12	1.00	11.8	20.0
PCB-1260 Peak 3	Ave	116834929	112380662		0.962	1.00	-3.8	20.0
PCB-1260 Peak 4	Ave	142290611	177322502		1.25	1.00	24.6*	20.0
PCB-1260 Peak 5	Ave	104134113	124132552		1.19	1.00	19.2	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-62068/50 Calibration Date: 10/22/2012 04:34

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 10/22/2012 00:05

Lab File ID: P1300050.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.15	2.10	2.20
PCB-1016 Peak 2	2.57	2.52	2.62
PCB-1016 Peak 3	3.05	3.00	3.10
PCB-1016 Peak 4	3.20	3.15	3.25
PCB-1016 Peak 5	3.86	3.80	3.90
PCB-1260 Peak 1	5.14	5.09	5.19
PCB-1260 Peak 2	5.39	5.34	5.44
PCB-1260 Peak 3	5.78	5.73	5.83
PCB-1260 Peak 4	6.51	6.46	6.56
PCB-1260 Peak 5	6.91	6.86	6.96

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300050.D
Lims ID: ICV 1660 Client ID:
Inject. Date: 22-Oct-2012 04:34:07 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0014228-050
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 50
Lims Batch ID: 62068 Lims Sample ID: 50
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:17:22 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:15:31

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 PCB-1016									M
1	100	1.586	1.587	-0.001	38228313	0.9403		100.0	M
1	2	1.896	1.896	0.000	71723522	1.00	149.3- 199.3	187.6	
1	3	2.325	2.323	0.002	145252214	0.9358	350.2- 400.2	380.0	
1	4	2.454	2.453	0.001	68052214	1.06	130.7- 180.7	178.0	
1	5	2.866	2.867	-0.001	69850424	1.03	137.9- 187.9	182.7	
			Average of Peak Amounts =			0.99			
2	6	2.147	2.147	0.000	23415698	1.04		100.0	
2	7	2.571	2.571	0.000	48518836	1.03	176.5- 236.5	207.2	
2	8	3.053	3.054	-0.001	97238509	1.07	362.5- 422.5	415.3	
2	9	3.201	3.201	0.000	40441239	1.04	137.9- 197.9	172.7	
2	10	3.855	3.854	0.001	37216207	1.03	118.8- 178.8	158.9	
			Average of Peak Amounts =			1.04			
						RPD = 5.18			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.160	4.160	0.000	101972175	1.01		100.0	
1	2	4.469	4.469	0.000	201607884	1.00	175.1- 225.1	197.7	
1	3	4.768	4.767	0.001	191897453	0.9593	173.2- 223.2	188.2	
1	4	5.519	5.518	0.001	324736998	1.19	244.1- 294.1	318.5	
1	5	5.821	5.820	0.001	145454031	1.13	101.5- 151.5	142.6	
			Average of Peak Amounts =			1.06			
2	6	5.141	5.141	0.000	66548848	1.00		100.0	
2	7	5.388	5.389	-0.001	81523657	1.12	86.6- 146.6	122.5	
2	8	5.776	5.776	0.000	112380662	0.9619	142.9- 202.9	168.9	
2	9	6.510	6.509	0.001	177322502	1.25	179.5- 239.5	266.5	
2	10	6.911	6.910	0.001	124132552	1.19	121.8- 181.8	186.5	
			Average of Peak Amounts =			1.10			
						RPD = 4.17			

QC Flag Legend

Review Flags
M - Manually Integrated

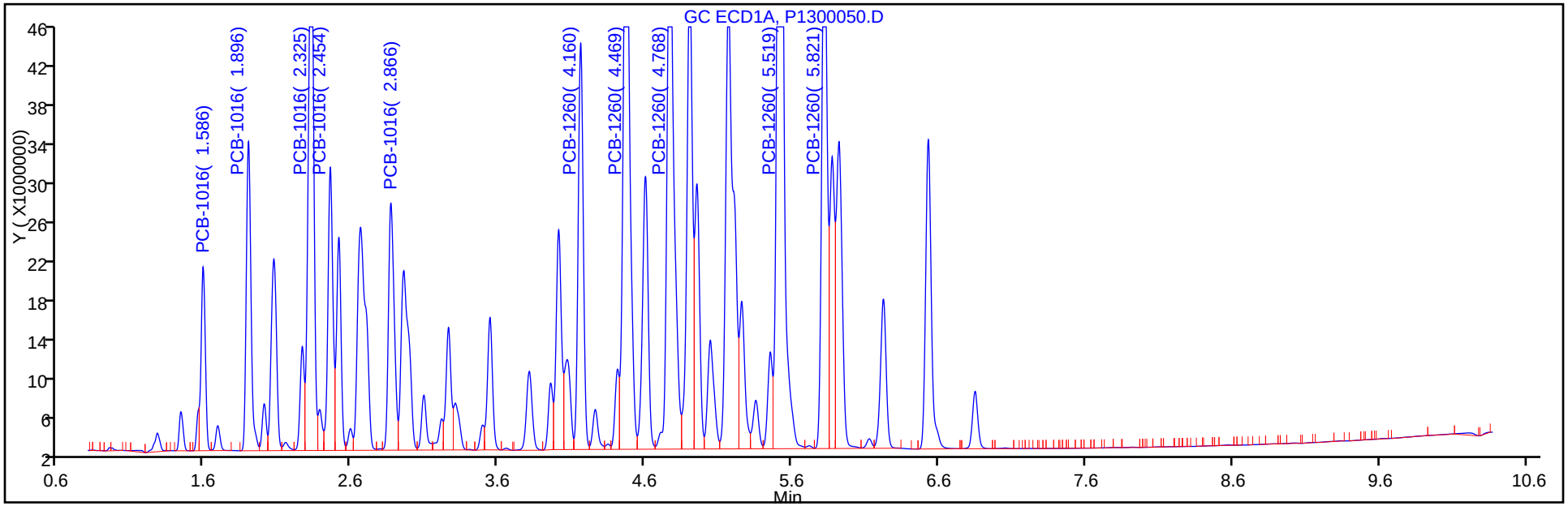
Report Date: 22-Oct-2012 09:17:31 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

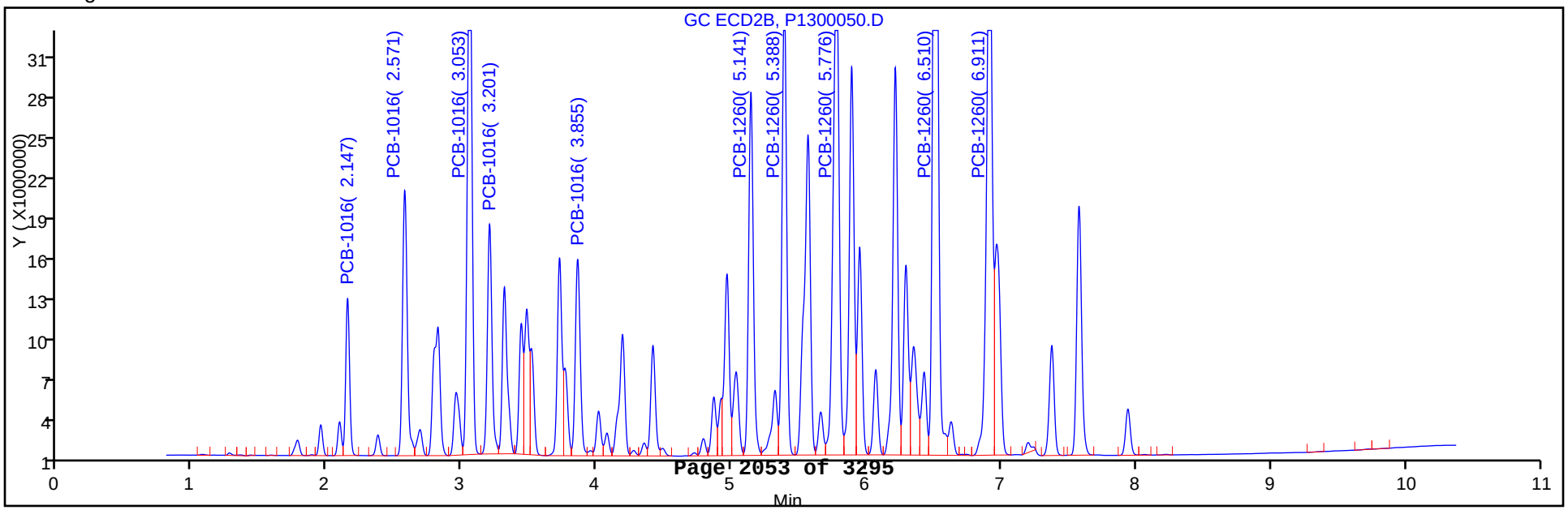
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300050.D

Injection Date:	22-Oct-2012 04:34:07	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	50
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-69119/3 Calibration Date: 12/18/2012 08:26

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 10/22/2012 00:05

Lab File ID: P1300003.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	40655544	46480256		0.572	0.500	14.3	20.0
PCB-1016 Peak 2	Ave	71876982	81398854		0.566	0.500	13.2	20.0
PCB-1016 Peak 3	Ave	155218061	172466554		0.556	0.500	11.1	20.0
PCB-1016 Peak 4	Ave	64472512	75900446		0.589	0.500	17.7	20.0
PCB-1016 Peak 5	Ave	67849134	74278968		0.547	0.500	9.5	20.0
PCB-1260 Peak 1	Ave	101355640	115376168		0.569	0.500	13.8	20.0
PCB-1260 Peak 2	Ave	200632590	221687414		0.552	0.500	10.5	20.0
PCB-1260 Peak 3	Ave	200043209	222237572		0.555	0.500	11.1	20.0
PCB-1260 Peak 4	Ave	271809958	309151506		0.569	0.500	13.7	20.0
PCB-1260 Peak 5	Ave	129152153	133967910		0.519	0.500	3.7	20.0
Tetrachloro-m-xylene	Ave	2282867563	2634450200		0.0289	0.0250	15.4	20.0
DCB Decachlorobiphenyl	Ave	2334659370	2520492200		0.0270	0.0250	8.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-69119/3 Calibration Date: 12/18/2012 08:26

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 10/22/2012 00:05

Lab File ID: P1300003.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	1.58	1.53	1.63
PCB-1016 Peak 2	1.89	1.84	1.94
PCB-1016 Peak 3	2.32	2.27	2.37
PCB-1016 Peak 4	2.45	2.40	2.50
PCB-1016 Peak 5	2.86	2.81	2.91
PCB-1260 Peak 1	4.15	4.10	4.20
PCB-1260 Peak 2	4.46	4.41	4.51
PCB-1260 Peak 3	4.76	4.71	4.81
PCB-1260 Peak 4	5.51	5.46	5.56
PCB-1260 Peak 5	5.81	5.76	5.86
Tetrachloro-m-xylene	1.29	1.24	1.34
DCB Decachlorobiphenyl	7.05	7.00	7.10

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121218-15947.b\P1300003.D
Lims ID: CCV AR1660 Client ID:
Inject. Date: 18-Dec-2012 08:26:36 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 240-0015947-003
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 uL ALS Bottle#: 3
Lims Batch ID: 69119 Lims Sample ID: 3
Sublist: chrom-PCB13*sub10
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121218-15947.b\PCB13.m
Last Update: 21-Dec-2012 09:49:15 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK005

First Level Reviewer: hassl Date: 21-Dec-2012 09:15:15

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.285	1.285	0.000	65861255	0.0289			
2	2	1.640	1.640	0.000	42665058	0.0297			
						RPD = 2.87			
6 PCB-1016									
1	100	1.580	1.580	0.000	23240128	0.5716		100.0	
1	2	1.888	1.888	0.000	40699427	0.5662	149.3- 199.3	175.1	
1	3	2.315	2.315	0.000	86233277	0.5556	350.2- 400.2	371.1	
1	4	2.445	2.445	0.000	37950223	0.5886	130.7- 180.7	163.3	
1	5	2.858	2.858	0.000	37139484	0.5474	137.9- 187.9	159.8	
			Average of Peak Amounts =			0.5659			
2	6	2.134	2.134	0.000	13178892	0.5864		100.0	
2	7	2.556	2.556	0.000	26851463	0.5724	176.5- 236.5	203.7	
2	8	3.037	3.037	0.000	56270327	0.6193	362.5- 422.5	427.0	
2	9	3.185	3.185	0.000	23612673	0.6099	137.9- 197.9	179.2	
2	10	3.837	3.837	0.000	21395031	0.5932	118.8- 178.8	162.3	
			Average of Peak Amounts =			0.5962			
						RPD = 5.22			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.149	4.149	0.000	57688084	0.5692		100.0	
1	2	4.458	4.458	0.000	110843707	0.5525	175.1- 225.1	192.1	
1	3	4.758	4.758	0.000	111118786	0.5555	173.2- 223.2	192.6	
1	4	5.508	5.508	0.000	154575753	0.5687	244.1- 294.1	268.0	
1	5	5.810	5.810	0.000	66983955	0.5186	101.5- 151.5	116.1	
			Average of Peak Amounts =			0.5529			
2	6	5.123	5.123	0.000	38071609	0.5712		100.0	
2	7	5.370	5.370	0.000	45772927	0.6085	86.6- 146.6	120.2	
2	8	5.757	5.757	0.000	67765988	0.5800	142.9- 202.9	178.0	
2	9	6.491	6.491	0.000	84109410	0.5911	179.5- 239.5	220.9	
2	10	6.893	6.893	0.000	57174336	0.5490	121.8- 181.8	150.2	
			Average of Peak Amounts =			0.5800			
						RPD = 4.78			
$ 12 DCB Decachlorobiphenyl									
1	100	7.045	7.045	0.000	63012305	0.0270			
2	2	8.205	8.205	0.000	37133313	0.0276			
						RPD = 2.12			

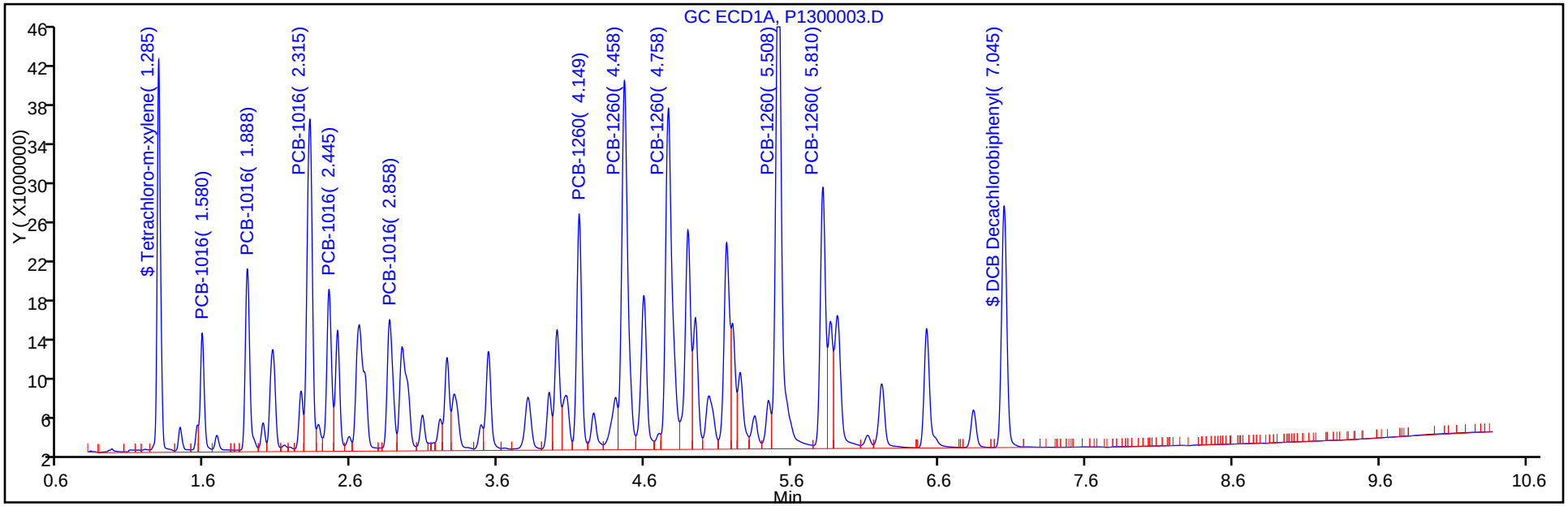
Report Date: 21-Dec-2012 09:49:16 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

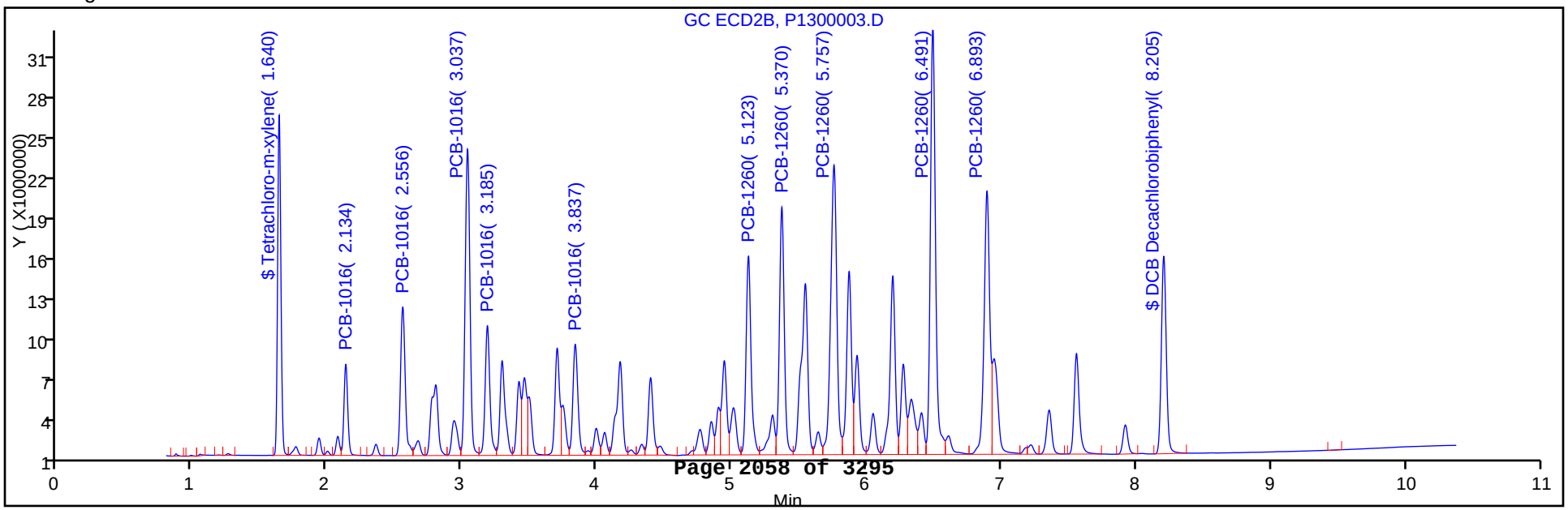
Data File: \\NCChrom\ChromData\A2HP13\20121218-15947.b\P1300003.D

Injection Date:	18-Dec-2012 08:26:36	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	69119	Lims Sample ID:	3
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-69119/3 Calibration Date: 12/18/2012 08:26

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 10/22/2012 00:05

Lab File ID: P1300003.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	22473505	26357784		0.586	0.500	17.3	20.0
PCB-1016 Peak 2	Ave	46910344	53702926		0.572	0.500	14.5	20.0
PCB-1016 Peak 3	Ave	90857261	112540654		0.619	0.500	23.9*	20.0
PCB-1016 Peak 4	Ave	38716589	47225346		0.610	0.500	22.0*	20.0
PCB-1016 Peak 5	Ave	36067525	42790062		0.593	0.500	18.6	20.0
PCB-1260 Peak 1	Ave	66648717	76143218		0.571	0.500	14.2	20.0
PCB-1260 Peak 2	Lin1		91545854		0.609	0.500	21.7*	20.0
PCB-1260 Peak 3	Ave	116834929	135531976		0.580	0.500	16.0	20.0
PCB-1260 Peak 4	Ave	142290611	168218820		0.591	0.500	18.2	20.0
PCB-1260 Peak 5	Ave	104134113	114348672		0.549	0.500	9.8	20.0
Tetrachloro-m-xylene	Ave	1437051097	1706602320		0.0297	0.0250	18.8	20.0
DCB Decachlorobiphenyl	Ave	1346914135	1485332520		0.0276	0.0250	10.3	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-69119/3 Calibration Date: 12/18/2012 08:26

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 10/22/2012 00:05

Lab File ID: P1300003.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.13	2.08	2.18
PCB-1016 Peak 2	2.56	2.51	2.61
PCB-1016 Peak 3	3.04	2.99	3.09
PCB-1016 Peak 4	3.19	3.14	3.24
PCB-1016 Peak 5	3.84	3.79	3.89
PCB-1260 Peak 1	5.12	5.07	5.17
PCB-1260 Peak 2	5.37	5.32	5.42
PCB-1260 Peak 3	5.76	5.71	5.81
PCB-1260 Peak 4	6.49	6.44	6.54
PCB-1260 Peak 5	6.89	6.84	6.94
Tetrachloro-m-xylene	1.64	1.59	1.69
DCB Decachlorobiphenyl	8.21	8.16	8.26

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121218-15947.b\P1300003.D
Lims ID: CCV AR1660 Client ID:
Inject. Date: 18-Dec-2012 08:26:36 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 240-0015947-003
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 uL ALS Bottle#: 3
Lims Batch ID: 69119 Lims Sample ID: 3
Sublist: chrom-PCB13*sub10
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121218-15947.b\PCB13.m
Last Update: 21-Dec-2012 09:49:15 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK005

First Level Reviewer: hassl Date: 21-Dec-2012 09:15:15

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.285	1.285	0.000	65861255	0.0289			
2	2	1.640	1.640	0.000	42665058	0.0297			
						RPD = 2.87			
6 PCB-1016									
1	100	1.580	1.580	0.000	23240128	0.5716		100.0	
1	2	1.888	1.888	0.000	40699427	0.5662	149.3- 199.3	175.1	
1	3	2.315	2.315	0.000	86233277	0.5556	350.2- 400.2	371.1	
1	4	2.445	2.445	0.000	37950223	0.5886	130.7- 180.7	163.3	
1	5	2.858	2.858	0.000	37139484	0.5474	137.9- 187.9	159.8	
			Average of Peak Amounts =			0.5659			
2	6	2.134	2.134	0.000	13178892	0.5864		100.0	
2	7	2.556	2.556	0.000	26851463	0.5724	176.5- 236.5	203.7	
2	8	3.037	3.037	0.000	56270327	0.6193	362.5- 422.5	427.0	
2	9	3.185	3.185	0.000	23612673	0.6099	137.9- 197.9	179.2	
2	10	3.837	3.837	0.000	21395031	0.5932	118.8- 178.8	162.3	
			Average of Peak Amounts =			0.5962			
						RPD = 5.22			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.149	4.149	0.000	57688084	0.5692		100.0	
1	2	4.458	4.458	0.000	110843707	0.5525	175.1- 225.1	192.1	
1	3	4.758	4.758	0.000	111118786	0.5555	173.2- 223.2	192.6	
1	4	5.508	5.508	0.000	154575753	0.5687	244.1- 294.1	268.0	
1	5	5.810	5.810	0.000	66983955	0.5186	101.5- 151.5	116.1	
			Average of Peak Amounts =			0.5529			
2	6	5.123	5.123	0.000	38071609	0.5712		100.0	
2	7	5.370	5.370	0.000	45772927	0.6085	86.6- 146.6	120.2	
2	8	5.757	5.757	0.000	67765988	0.5800	142.9- 202.9	178.0	
2	9	6.491	6.491	0.000	84109410	0.5911	179.5- 239.5	220.9	
2	10	6.893	6.893	0.000	57174336	0.5490	121.8- 181.8	150.2	
			Average of Peak Amounts =			0.5800			
						RPD = 4.78			
$ 12 DCB Decachlorobiphenyl									
1	100	7.045	7.045	0.000	63012305	0.0270			
2	2	8.205	8.205	0.000	37133313	0.0276			
						RPD = 2.12			

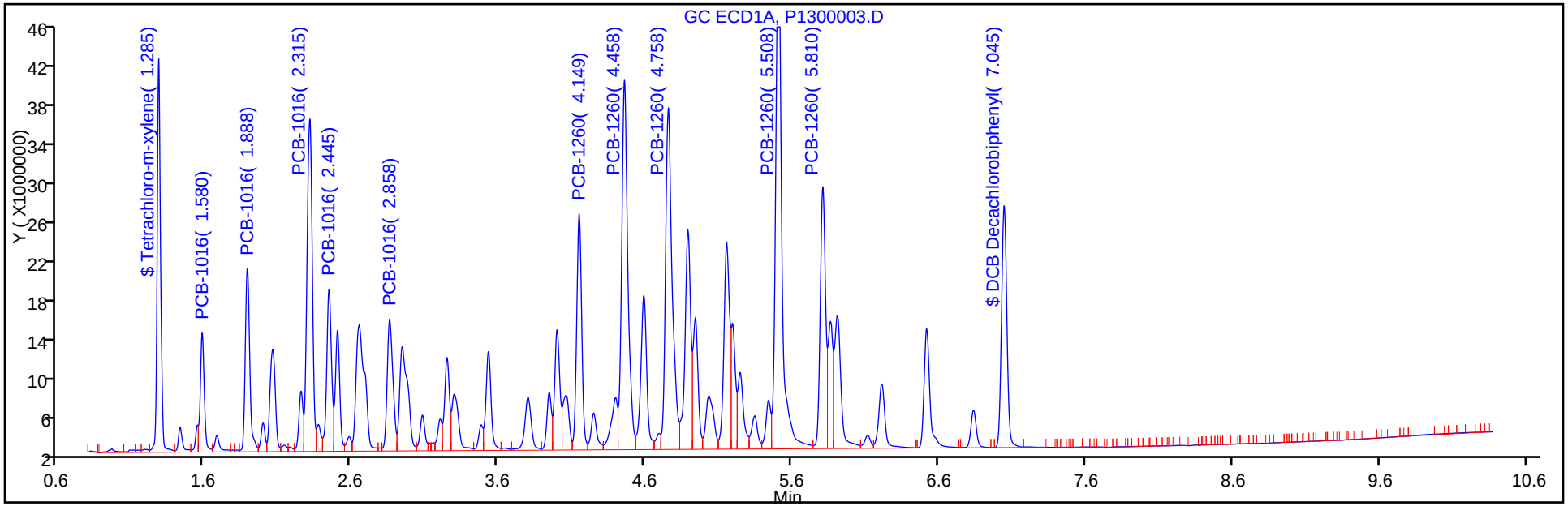
Report Date: 21-Dec-2012 09:49:16 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

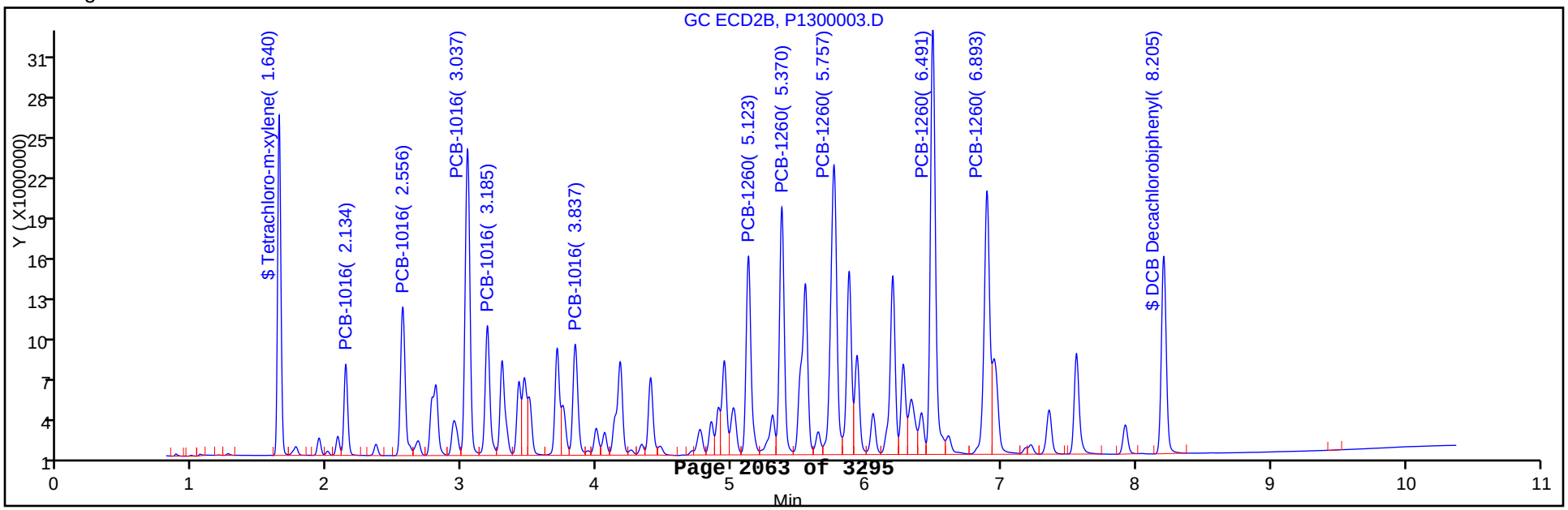
Data File: \\NCChrom\ChromData\A2HP13\20121218-15947.b\P1300003.D

Injection Date:	18-Dec-2012 08:26:36	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	69119	Lims Sample ID:	3
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-69119/10 Calibration Date: 12/18/2012 10:11

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 10/22/2012 00:05

Lab File ID: P1300010.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	40655544	43009302		0.529	0.500	5.8	20.0
PCB-1016 Peak 2	Ave	71876982	76445370		0.532	0.500	6.4	20.0
PCB-1016 Peak 3	Ave	155218061	165445690		0.533	0.500	6.6	20.0
PCB-1016 Peak 4	Ave	64472512	72175156		0.560	0.500	11.9	20.0
PCB-1016 Peak 5	Ave	67849134	69469150		0.512	0.500	2.4	20.0
PCB-1260 Peak 1	Ave	101355640	110652176		0.546	0.500	9.2	20.0
PCB-1260 Peak 2	Ave	200632590	215022780		0.536	0.500	7.2	20.0
PCB-1260 Peak 3	Ave	200043209	217029390		0.542	0.500	8.5	20.0
PCB-1260 Peak 4	Ave	271809958	304997816		0.561	0.500	12.2	20.0
PCB-1260 Peak 5	Ave	129152153	133718916		0.518	0.500	3.5	20.0
Tetrachloro-m-xylene	Ave	2282867563	2513795960		0.0275	0.0250	10.1	20.0
DCB Decachlorobiphenyl	Ave	2334659370	2536668640		0.0272	0.0250	8.7	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-69119/10 Calibration Date: 12/18/2012 10:11

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 10/22/2012 00:05

Lab File ID: P1300010.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	1.58	1.53	1.63
PCB-1016 Peak 2	1.89	1.84	1.94
PCB-1016 Peak 3	2.31	2.26	2.36
PCB-1016 Peak 4	2.45	2.40	2.50
PCB-1016 Peak 5	2.86	2.81	2.91
PCB-1260 Peak 1	4.15	4.10	4.20
PCB-1260 Peak 2	4.46	4.41	4.51
PCB-1260 Peak 3	4.76	4.71	4.81
PCB-1260 Peak 4	5.51	5.46	5.56
PCB-1260 Peak 5	5.81	5.76	5.86
Tetrachloro-m-xylene	1.28	1.23	1.33
DCB Decachlorobiphenyl	7.05	7.00	7.10

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121218-15947.b\P1300010.D
Lims ID: CCV AR1660 Client ID:
Inject. Date: 18-Dec-2012 10:11:17 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0015947-010
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 uL ALS Bottle#: 10
Lims Batch ID: 69119 Lims Sample ID: 10
Sublist: chrom-PCB13*sub10
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121218-15947.b\PCB13.m
Last Update: 21-Dec-2012 09:49:23 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK005

First Level Reviewer: hassl Date: 18-Dec-2012 10:57:33

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.284	1.284	0.000	62844899	0.0275			
2	2	1.639	1.639	0.000	41005677	0.0285			
						RPD = 3.59			
6 PCB-1016									
1	100	1.581	1.581	0.000	21504651	0.5289		100.0	
1	2	1.889	1.889	0.000	38222685	0.5318	149.3- 199.3	177.7	
1	3	2.314	2.314	0.000	82722845	0.5329	350.2- 400.2	384.7	
1	4	2.446	2.446	0.000	36087578	0.5597	130.7- 180.7	167.8	
1	5	2.857	2.857	0.000	34734575	0.5119	137.9- 187.9	161.5	
			Average of Peak Amounts =			0.5331			
2	6	2.133	2.133	0.000	12379094	0.5508		100.0	
2	7	2.557	2.557	0.000	24163877	0.5151	176.5- 236.5	195.2	
2	8	3.038	3.038	0.000	52402610	0.5768	362.5- 422.5	423.3	
2	9	3.186	3.186	0.000	20812089	0.5375	137.9- 197.9	168.1	
2	10	3.837	3.837	0.000	20269711	0.5620	118.8- 178.8	163.7	
			Average of Peak Amounts =			0.5484			
						RPD = 2.84			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.152	4.152	0.000	55326088	0.5459		100.0	
1	2	4.460	4.460	0.000	107511390	0.5359	175.1- 225.1	194.3	
1	3	4.758	4.758	0.000	108514695	0.5425	173.2- 223.2	196.1	
1	4	5.508	5.508	0.000	152498908	0.5610	244.1- 294.1	275.6	
1	5	5.812	5.812	0.000	66859458	0.5177	101.5- 151.5	120.8	
			Average of Peak Amounts =			0.5406			
2	6	5.122	5.122	0.000	37039948	0.5557		100.0	
2	7	5.370	5.370	0.000	44861502	0.5955	86.6- 146.6	121.1	
2	8	5.758	5.758	0.000	66895739	0.5726	142.9- 202.9	180.6	
2	9	6.491	6.491	0.000	84298173	0.5924	179.5- 239.5	227.6	
2	10	6.894	6.894	0.000	57225176	0.5495	121.8- 181.8	154.5	
			Average of Peak Amounts =			0.5732			
						RPD = 5.85			
$ 12 DCB Decachlorobiphenyl									
1	100	7.047	7.047	0.000	63416716	0.0272			
2	2	8.206	8.206	0.000	37429233	0.0278			
						RPD = 2.28			

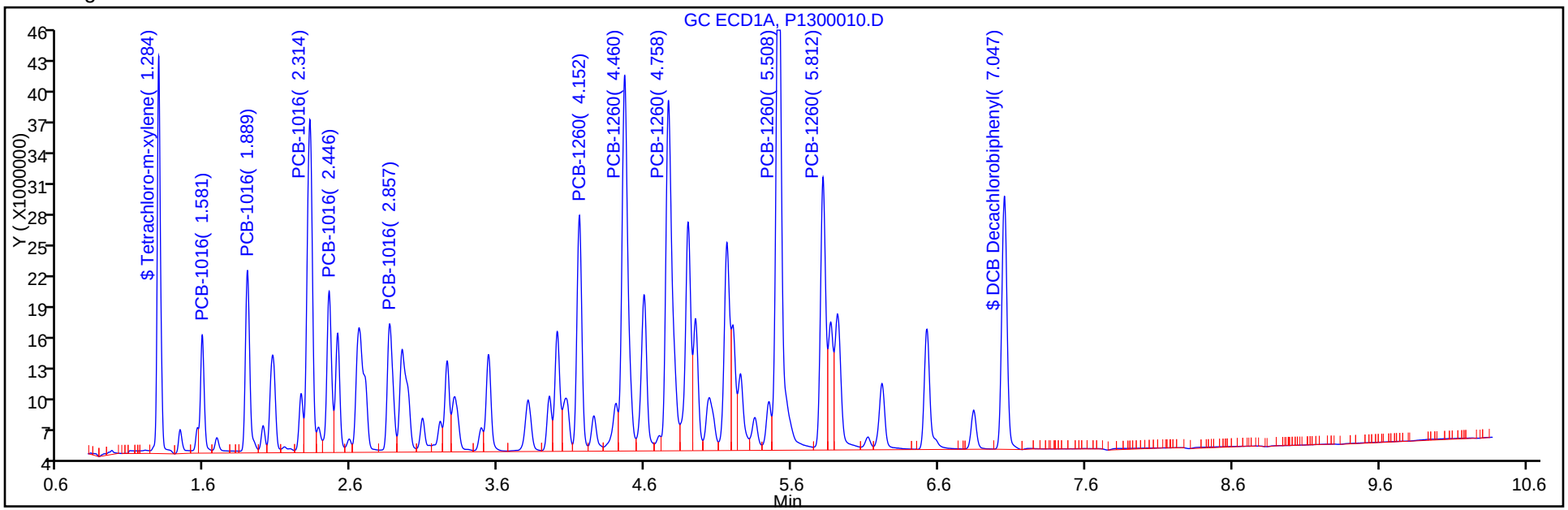
Report Date: 21-Dec-2012 09:49:23 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

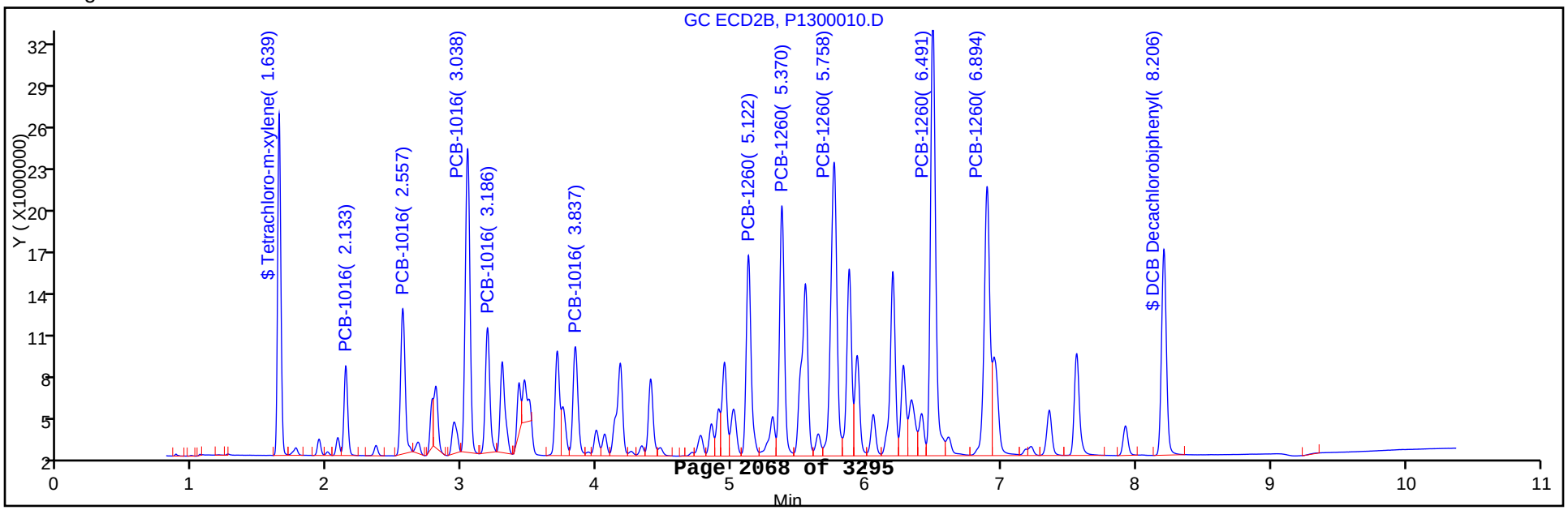
Data File: \\NCChrom\ChromData\A2HP13\20121218-15947.b\P1300010.D

Injection Date:	18-Dec-2012 10:11:17	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	69119	Lims Sample ID:	10
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-69119/10 Calibration Date: 12/18/2012 10:11

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 10/22/2012 00:05

Lab File ID: P1300010.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	22473505	24758188		0.551	0.500	10.2	20.0
PCB-1016 Peak 2	Ave	46910344	48327754		0.515	0.500	3.0	20.0
PCB-1016 Peak 3	Ave	90857261	104805220		0.577	0.500	15.4	20.0
PCB-1016 Peak 4	Ave	38716589	41624178		0.538	0.500	7.5	20.0
PCB-1016 Peak 5	Ave	36067525	40539422		0.562	0.500	12.4	20.0
PCB-1260 Peak 1	Ave	66648717	74079896		0.556	0.500	11.1	20.0
PCB-1260 Peak 2	Lin1		89723004		0.596	0.500	19.1	20.0
PCB-1260 Peak 3	Ave	116834929	133791478		0.573	0.500	14.5	20.0
PCB-1260 Peak 4	Ave	142290611	168596346		0.592	0.500	18.5	20.0
PCB-1260 Peak 5	Ave	104134113	114450352		0.550	0.500	9.9	20.0
Tetrachloro-m-xylene	Ave	1437051097	1640227080		0.0285	0.0250	14.1	20.0
DCB Decachlorobiphenyl	Ave	1346914135	1497169320		0.0278	0.0250	11.2	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-69119/10 Calibration Date: 12/18/2012 10:11

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 10/22/2012 00:05

Lab File ID: P1300010.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.13	2.08	2.18
PCB-1016 Peak 2	2.56	2.51	2.61
PCB-1016 Peak 3	3.04	2.99	3.09
PCB-1016 Peak 4	3.19	3.14	3.24
PCB-1016 Peak 5	3.84	3.79	3.89
PCB-1260 Peak 1	5.12	5.07	5.17
PCB-1260 Peak 2	5.37	5.32	5.42
PCB-1260 Peak 3	5.76	5.71	5.81
PCB-1260 Peak 4	6.49	6.44	6.54
PCB-1260 Peak 5	6.89	6.84	6.94
Tetrachloro-m-xylene	1.64	1.59	1.69
DCB Decachlorobiphenyl	8.21	8.16	8.26

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121218-15947.b\P1300010.D
Lims ID: CCV AR1660 Client ID:
Inject. Date: 18-Dec-2012 10:11:17 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0015947-010
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 uL ALS Bottle#: 10
Lims Batch ID: 69119 Lims Sample ID: 10
Sublist: chrom-PCB13*sub10
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121218-15947.b\PCB13.m
Last Update: 21-Dec-2012 09:49:23 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK005

First Level Reviewer: hassl Date: 18-Dec-2012 10:57:33

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.284	1.284	0.000	62844899	0.0275			
2	2	1.639	1.639	0.000	41005677	0.0285			
						RPD = 3.59			
6 PCB-1016									
1	100	1.581	1.581	0.000	21504651	0.5289		100.0	
1	2	1.889	1.889	0.000	38222685	0.5318	149.3- 199.3	177.7	
1	3	2.314	2.314	0.000	82722845	0.5329	350.2- 400.2	384.7	
1	4	2.446	2.446	0.000	36087578	0.5597	130.7- 180.7	167.8	
1	5	2.857	2.857	0.000	34734575	0.5119	137.9- 187.9	161.5	
			Average of Peak Amounts =			0.5331			
2	6	2.133	2.133	0.000	12379094	0.5508		100.0	
2	7	2.557	2.557	0.000	24163877	0.5151	176.5- 236.5	195.2	
2	8	3.038	3.038	0.000	52402610	0.5768	362.5- 422.5	423.3	
2	9	3.186	3.186	0.000	20812089	0.5375	137.9- 197.9	168.1	
2	10	3.837	3.837	0.000	20269711	0.5620	118.8- 178.8	163.7	
			Average of Peak Amounts =			0.5484			
						RPD = 2.84			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.152	4.152	0.000	55326088	0.5459		100.0	
1	2	4.460	4.460	0.000	107511390	0.5359	175.1- 225.1	194.3	
1	3	4.758	4.758	0.000	108514695	0.5425	173.2- 223.2	196.1	
1	4	5.508	5.508	0.000	152498908	0.5610	244.1- 294.1	275.6	
1	5	5.812	5.812	0.000	66859458	0.5177	101.5- 151.5	120.8	
			Average of Peak Amounts =			0.5406			
2	6	5.122	5.122	0.000	37039948	0.5557		100.0	
2	7	5.370	5.370	0.000	44861502	0.5955	86.6- 146.6	121.1	
2	8	5.758	5.758	0.000	66895739	0.5726	142.9- 202.9	180.6	
2	9	6.491	6.491	0.000	84298173	0.5924	179.5- 239.5	227.6	
2	10	6.894	6.894	0.000	57225176	0.5495	121.8- 181.8	154.5	
			Average of Peak Amounts =			0.5732			
						RPD = 5.85			
$ 12 DCB Decachlorobiphenyl									
1	100	7.047	7.047	0.000	63416716	0.0272			
2	2	8.206	8.206	0.000	37429233	0.0278			
						RPD = 2.28			

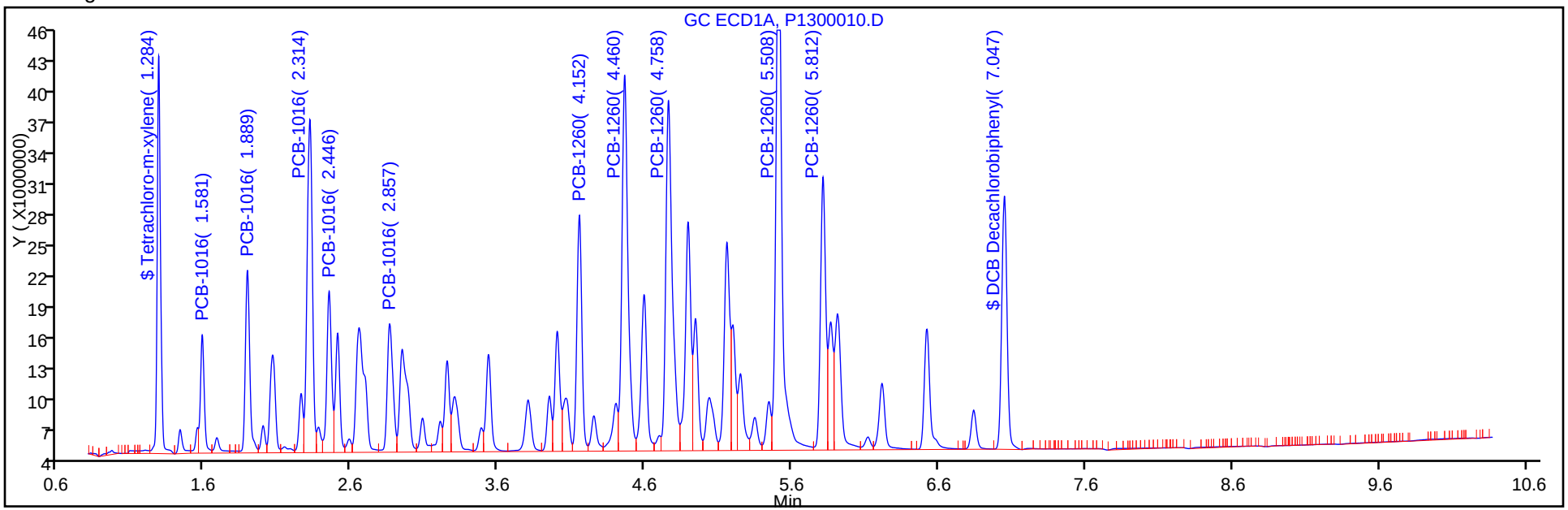
Report Date: 21-Dec-2012 09:49:23 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

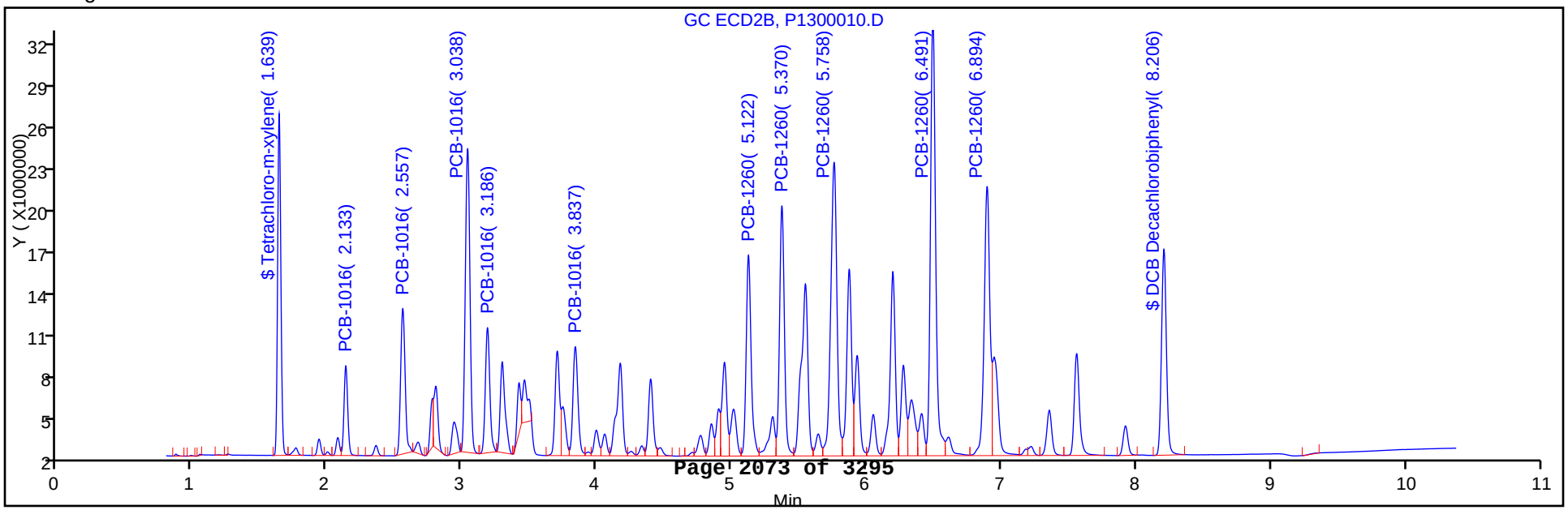
Data File: \\NCChrom\ChromData\A2HP13\20121218-15947.b\P1300010.D

Injection Date:	18-Dec-2012 10:11:17	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	69119	Lims Sample ID:	10
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-68553/4-A

Matrix: Water | Lab File ID: P1300008.D

Analysis Method: 8082/DOD | Date Collected:

Extraction Method: 3520C | Date Extracted: 12/13/2012 11:37

Sample wt/vol: 1000(mL) | Date Analyzed: 12/18/2012 09:41

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69119 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	78		40-140
2051-24-3	DCB Decachlorobiphenyl	73		40-135

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121218-15947.b\P1300008.D		
Lims ID:	MB 240-68553/4-A	Client ID:	
Inject. Date:	18-Dec-2012 09:41:18	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	240-0015947-008		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 uL	ALS Bottle#:	8
Lims Batch ID:	69119	Lims Sample ID:	8
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121218-15947.b\PCB13.m		
Last Update:	21-Dec-2012 09:49:15	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		

First Level Reviewer: hassl Date: 21-Dec-2012 09:15:55

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									7
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.285	1.285	0.000	71525643	0.0313			
2	2	1.639	1.640	-0.001	51023319	0.0355			
						RPD = 12.49			
3 PCB-1221									1
1	2		1.429						
1	3		1.579						
1	4		1.547						
2	4		1.934						
2	5		2.073						
2	6		2.132						
4 PCB-1232									
1	100		1.580						
1	2		1.888						
1	3		2.314						
1	4		2.444						
1	5		2.856						
2	6		2.132						
2	7		2.556						
2	8		3.037						
2	9		3.185						
2	10		3.836						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 PCB-1016									
1	100		1.580						
1	2		1.888						
1	3		2.315						
1	4		2.445						
1	5		2.858						
2	6		2.134						
2	7		2.556						
2	8		3.037						
2	9		3.185						
2	10		3.837						
5 PCB-1242									
1	100		1.580						
1	2		1.888						
1	3		2.313						
1	4		2.444						
1	5		2.858						
2	6		2.132						
2	7		2.555						
2	8		3.037						
2	9		3.185						
2	10		3.703						
7 PCB-1248									
1	86		1.888						
1	2		2.311						
1	3		2.857						
1	4		3.479						
1	5		3.947						
2	6		2.553						
2	7		3.035						
2	8		3.703						
2	9		3.835						
2	10		4.901						
8 PCB-1254									
1	100		3.531						
1	2		3.946						
1	3		4.250						
1	4		4.457						
1	5		4.758						
2	6		4.395						
2	7		4.900						
2	8		5.161						
2	9		5.542						
2	10		5.761						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									1
1	100		4.149						
1	2		4.458						
1	3		4.758						
1	4		5.508						
1	5		5.810						
2	6		5.123						
2	7		5.370						
2	8		5.757						
2	9		6.491						
2	10		6.893						
9 PCB-1262									1
1	100		4.460						
1	2		4.892						
1	3		5.156						
1	4		5.509						
1	5		5.909						
2	6		5.370						
2	7		5.870						
2	8		6.194						
2	9		6.491						
2	10		6.891						
11 PCB-1268									1
1	100		5.867						
1	2		5.904						
1	3		6.118						
1	4		6.519						
1	5		6.839						
2	6		6.891						
2	7		6.941						
2	8		7.220						
2	9		7.558						
2	10		7.920						
$ 12 DCB Decachlorobiphenyl									
1	100	7.046	7.045	0.001	68204421	0.0292			
2	2	8.204	8.205	-0.001	40993819	0.0304			
						RPD = 4.10			

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

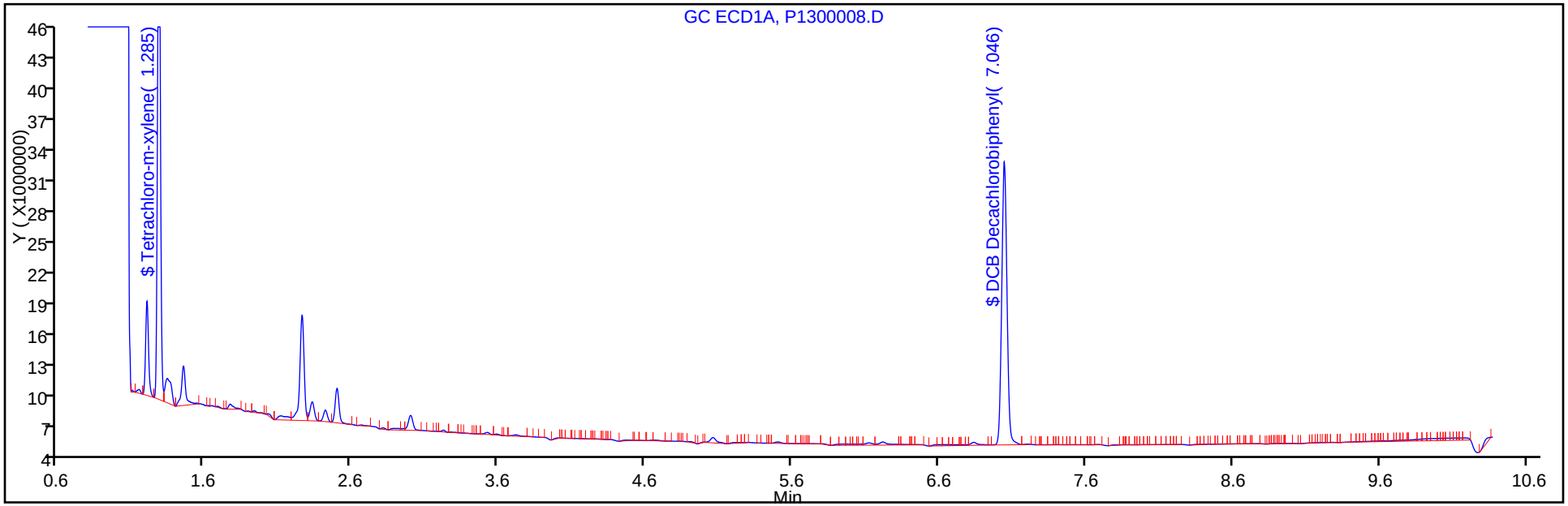
Report Date: 21-Dec-2012 09:49:21 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

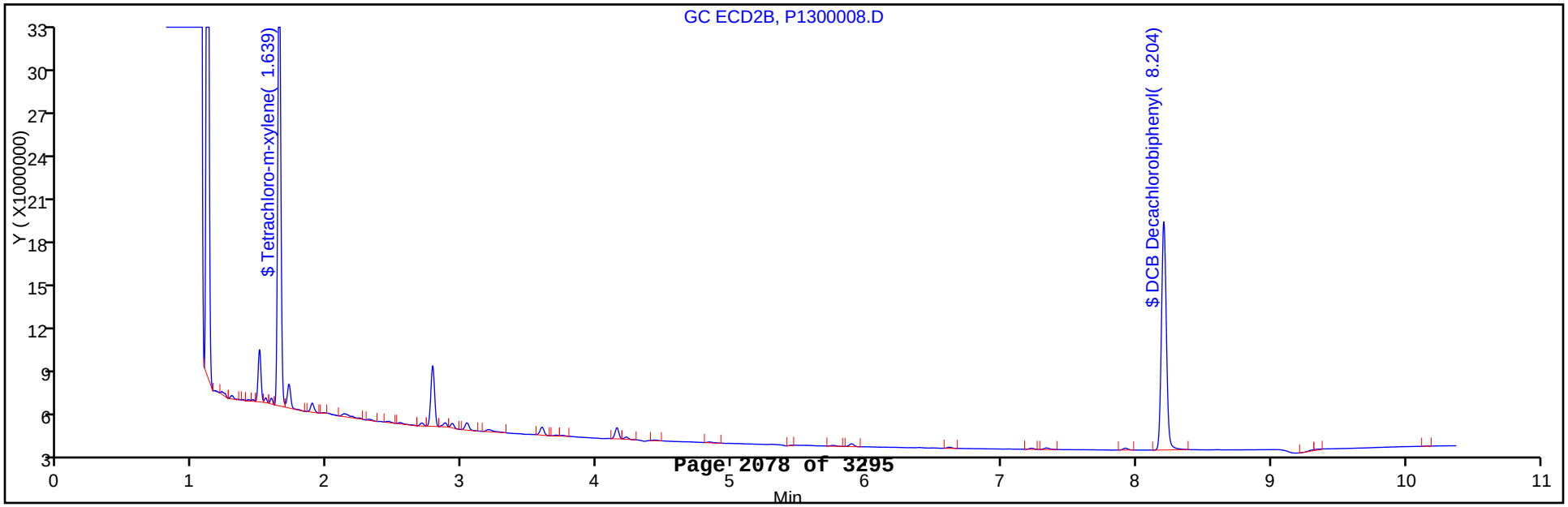
Data File: \\NCChrom\ChromData\A2HP13\20121218-15947.b\P1300008.D

Injection Date:	18-Dec-2012 09:41:18	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	69119	Lims Sample ID:	8
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-68553/4-A

Matrix: Water | Lab File ID: P1300008.D

Analysis Method: 8082/DOD | Date Collected:

Extraction Method: 3520C | Date Extracted: 12/13/2012 11:37

Sample wt/vol: 1000(mL) | Date Analyzed: 12/18/2012 09:41

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69119 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	0.20	U	0.50	0.20	0.13
12674-11-2	Aroclor-1016	0.20	U	0.50	0.20	0.17
11141-16-5	Aroclor-1232	0.20	U	0.50	0.20	0.16
53469-21-9	Aroclor-1242	0.40	U	0.50	0.40	0.22
12672-29-6	Aroclor-1248	0.20	U	0.50	0.20	0.10
11097-69-1	Aroclor-1254	0.20	U	0.50	0.20	0.16
11096-82-5	Aroclor-1260	0.20	U	0.50	0.20	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	89		40-140
2051-24-3	DCB Decachlorobiphenyl	76		40-135

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121218-15947.b\P1300008.D		
Lims ID:	MB 240-68553/4-A	Client ID:	
Inject. Date:	18-Dec-2012 09:41:18	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	240-0015947-008		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 uL	ALS Bottle#:	8
Lims Batch ID:	69119	Lims Sample ID:	8
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121218-15947.b\PCB13.m		
Last Update:	21-Dec-2012 09:49:15	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		

First Level Reviewer: hassl Date: 21-Dec-2012 09:15:55

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									7
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.285	1.285	0.000	71525643	0.0313			
2	2	1.639	1.640	-0.001	51023319	0.0355			
						RPD = 12.49			
3 PCB-1221									1
1	2		1.429						
1	3		1.579						
1	4		1.547						
2	4		1.934						
2	5		2.073						
2	6		2.132						
4 PCB-1232									
1	100		1.580						
1	2		1.888						
1	3		2.314						
1	4		2.444						
1	5		2.856						
2	6		2.132						
2	7		2.556						
2	8		3.037						
2	9		3.185						
2	10		3.836						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 PCB-1016									
1	100		1.580						
1	2		1.888						
1	3		2.315						
1	4		2.445						
1	5		2.858						
2	6		2.134						
2	7		2.556						
2	8		3.037						
2	9		3.185						
2	10		3.837						
5 PCB-1242									
1	100		1.580						
1	2		1.888						
1	3		2.313						
1	4		2.444						
1	5		2.858						
2	6		2.132						
2	7		2.555						
2	8		3.037						
2	9		3.185						
2	10		3.703						
7 PCB-1248									
1	86		1.888						
1	2		2.311						
1	3		2.857						
1	4		3.479						
1	5		3.947						
2	6		2.553						
2	7		3.035						
2	8		3.703						
2	9		3.835						
2	10		4.901						
8 PCB-1254									
1	100		3.531						
1	2		3.946						
1	3		4.250						
1	4		4.457						
1	5		4.758						
2	6		4.395						
2	7		4.900						
2	8		5.161						
2	9		5.542						
2	10		5.761						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									1
1	100		4.149						
1	2		4.458						
1	3		4.758						
1	4		5.508						
1	5		5.810						
2	6		5.123						
2	7		5.370						
2	8		5.757						
2	9		6.491						
2	10		6.893						
9 PCB-1262									1
1	100		4.460						
1	2		4.892						
1	3		5.156						
1	4		5.509						
1	5		5.909						
2	6		5.370						
2	7		5.870						
2	8		6.194						
2	9		6.491						
2	10		6.891						
11 PCB-1268									1
1	100		5.867						
1	2		5.904						
1	3		6.118						
1	4		6.519						
1	5		6.839						
2	6		6.891						
2	7		6.941						
2	8		7.220						
2	9		7.558						
2	10		7.920						
$ 12 DCB Decachlorobiphenyl									
1	100	7.046	7.045	0.001	68204421	0.0292			
2	2	8.204	8.205	-0.001	40993819	0.0304			
						RPD = 4.10			

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

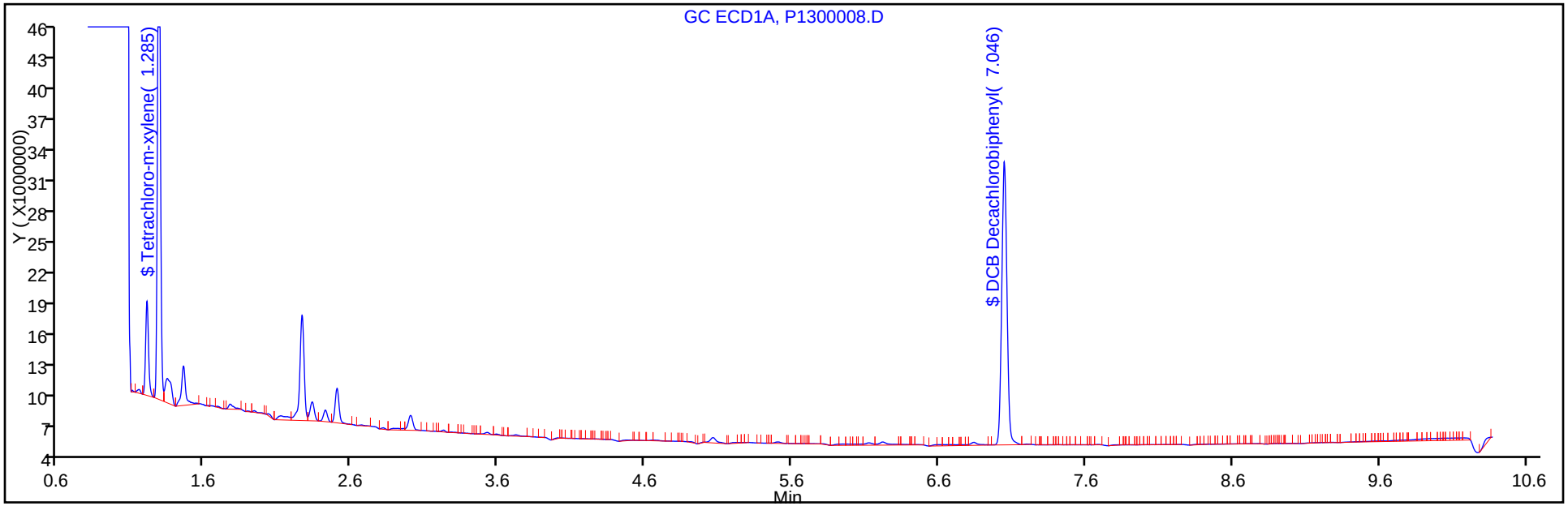
Report Date: 21-Dec-2012 09:49:21 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

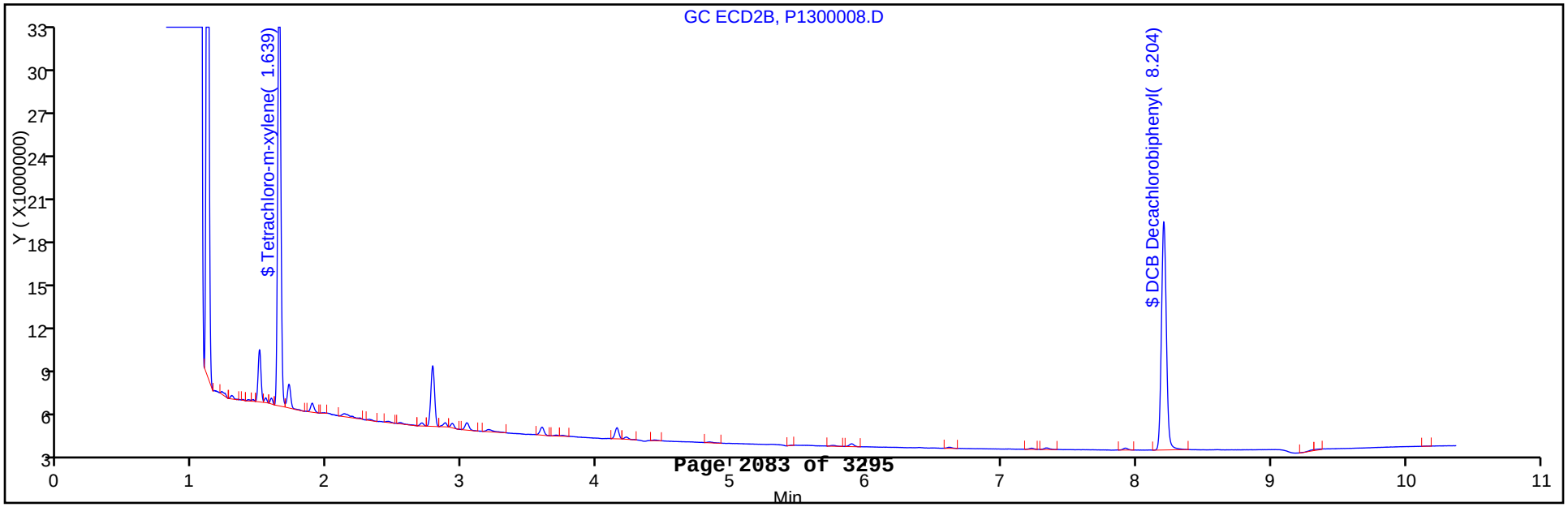
Data File: \\NCChrom\ChromData\A2HP13\20121218-15947.b\P1300008.D

Injection Date:	18-Dec-2012 09:41:18	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	69119	Lims Sample ID:	8
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-68553/5-A

Matrix: Water | Lab File ID: P1300009.D

Analysis Method: 8082/DOD | Date Collected:

Extraction Method: 3520C | Date Extracted: 12/13/2012 11:37

Sample wt/vol: 1000(mL) | Date Analyzed: 12/18/2012 09:56

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69119 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	79		40-140
2051-24-3	DCB Decachlorobiphenyl	67		40-135

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121218-15947.b\P1300009.D
Lims ID: LCS 240-68553/5-A Client ID:
Inject. Date: 18-Dec-2012 09:56:15 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0015947-009
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 uL ALS Bottle#: 9
Lims Batch ID: 69119 Lims Sample ID: 9
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121218-15947.b\PCB13.m
Last Update: 21-Dec-2012 09:49:15 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK005

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.287	1.285	0.002	72186787	0.0316			
2	2	1.640	1.640	0.000	51831021	0.0361			
						RPD = 13.14			
6 PCB-1016									
1	100	1.582	1.580	0.002	29960376	0.7369		100.0	
1	2	1.889	1.888	0.001	57314987	0.7974	149.3- 199.3	191.3	
1	3	2.315	2.315	0.000	132280319	0.8522	350.2- 400.2	441.5	
1	4	2.446	2.445	0.001	55842442	0.8661	130.7- 180.7	186.4	
1	5	2.858	2.858	0.000	53079621	0.7823	137.9- 187.9	177.2	
			Average of Peak Amounts =			0.8070			
2	6	2.134	2.134	0.000	20103992	0.8946		100.0	
2	7	2.557	2.556	0.001	42970391	0.9160	176.5- 236.5	213.7	
2	8	3.038	3.037	0.001	91739059	1.01	362.5- 422.5	456.3	
2	9	3.186	3.185	0.001	36201222	0.9350	137.9- 197.9	180.1	
2	10	3.837	3.837	0.000	29036913	0.8051	118.8- 178.8	144.4	
			Average of Peak Amounts =			0.9121			
						RPD = 12.22			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.150	4.149	0.001	80113611	0.7904		100.0	
1	2	4.459	4.458	0.001	153129516	0.7632	175.1- 225.1	191.1	
1	3	4.758	4.758	0.000	148325581	0.7415	173.2- 223.2	185.1	
1	4	5.509	5.508	0.001	197665844	0.7272	244.1- 294.1	246.7	
1	5	5.811	5.810	0.001	87690338	0.6790	101.5- 151.5	109.5	
			Average of Peak Amounts =			0.7403			
2	6	5.123	5.123	0.000	54601699	0.8192		100.0	
2	7	5.371	5.370	0.001	62959451	0.8534	86.6- 146.6	115.3	
2	8	5.758	5.757	0.001	94061860	0.8051	142.9- 202.9	172.3	
2	9	6.490	6.491	-0.001	116443560	0.8184	179.5- 239.5	213.3	
2	10	6.894	6.893	0.001	79328721	0.7618	121.8- 181.8	145.3	
			Average of Peak Amounts =			0.8116			
						RPD = 9.19			
$ 12 DCB Decachlorobiphenyl									
1	100	7.048	7.045	0.003	62651233	0.0268			
2	2	8.205	8.205	0.000	37460458	0.0278			
						RPD = 3.57			

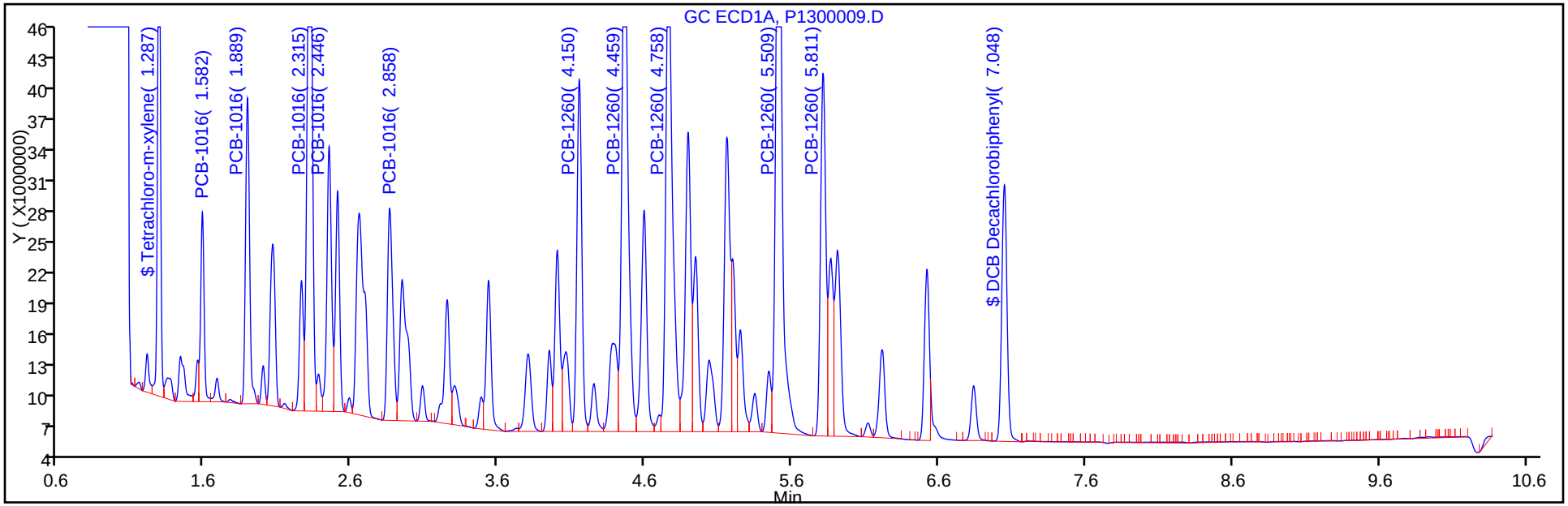
Report Date: 21-Dec-2012 09:49:22 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

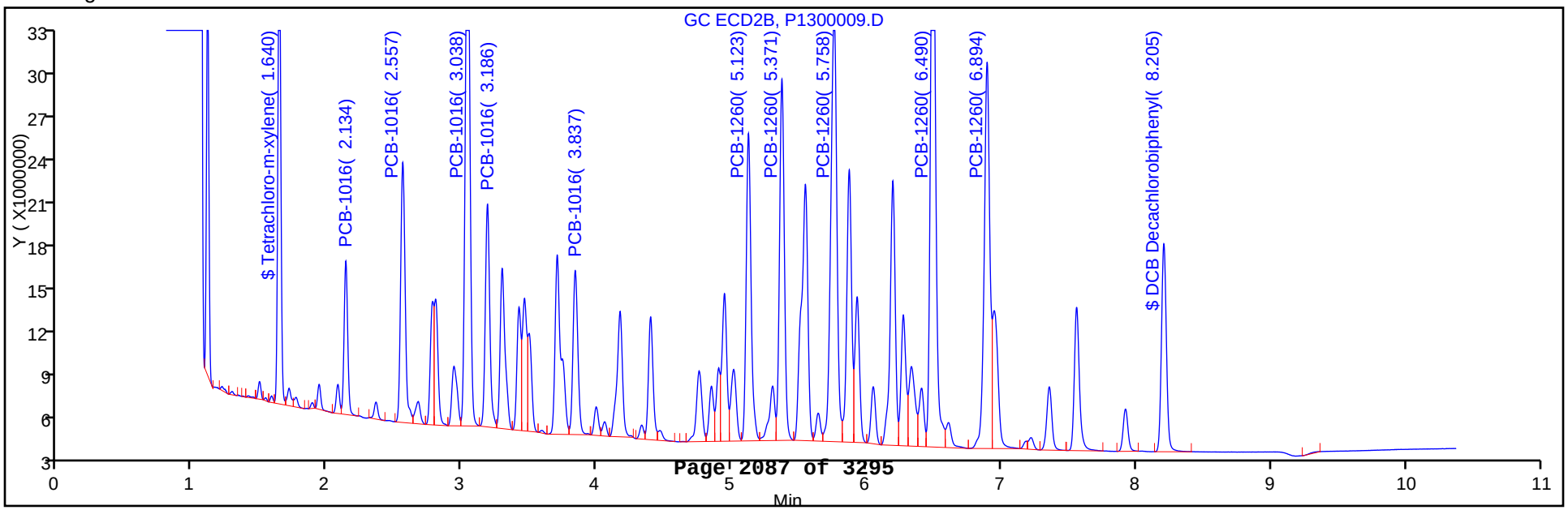
Data File: \\NCChrom\ChromData\A2HP13\20121218-15947.b\P1300009.D

Injection Date:	18-Dec-2012 09:56:15	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	69119	Lims Sample ID:	9
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-68553/5-A

Matrix: Water | Lab File ID: P1300009.D

Analysis Method: 8082/DOD | Date Collected:

Extraction Method: 3520C | Date Extracted: 12/13/2012 11:37

Sample wt/vol: 1000(mL) | Date Analyzed: 12/18/2012 09:56

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69119 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
12674-11-2	Aroclor-1016	4.56		0.50	0.20	0.17
11096-82-5	Aroclor-1260	4.06		0.50	0.20	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	90		40-140
2051-24-3	DCB Decachlorobiphenyl	70		40-135

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121218-15947.b\P1300009.D
Lims ID: LCS 240-68553/5-A Client ID:
Inject. Date: 18-Dec-2012 09:56:15 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0015947-009
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 uL ALS Bottle#: 9
Lims Batch ID: 69119 Lims Sample ID: 9
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121218-15947.b\PCB13.m
Last Update: 21-Dec-2012 09:49:15 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK005

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.287	1.285	0.002	72186787	0.0316			
2	2	1.640	1.640	0.000	51831021	0.0361			
						RPD = 13.14			
6 PCB-1016									
1	100	1.582	1.580	0.002	29960376	0.7369		100.0	
1	2	1.889	1.888	0.001	57314987	0.7974	149.3- 199.3	191.3	
1	3	2.315	2.315	0.000	132280319	0.8522	350.2- 400.2	441.5	
1	4	2.446	2.445	0.001	55842442	0.8661	130.7- 180.7	186.4	
1	5	2.858	2.858	0.000	53079621	0.7823	137.9- 187.9	177.2	
			Average of Peak Amounts =			0.8070			
2	6	2.134	2.134	0.000	20103992	0.8946		100.0	
2	7	2.557	2.556	0.001	42970391	0.9160	176.5- 236.5	213.7	
2	8	3.038	3.037	0.001	91739059	1.01	362.5- 422.5	456.3	
2	9	3.186	3.185	0.001	36201222	0.9350	137.9- 197.9	180.1	
2	10	3.837	3.837	0.000	29036913	0.8051	118.8- 178.8	144.4	
			Average of Peak Amounts =			0.9121			
						RPD = 12.22			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.150	4.149	0.001	80113611	0.7904		100.0	
1	2	4.459	4.458	0.001	153129516	0.7632	175.1- 225.1	191.1	
1	3	4.758	4.758	0.000	148325581	0.7415	173.2- 223.2	185.1	
1	4	5.509	5.508	0.001	197665844	0.7272	244.1- 294.1	246.7	
1	5	5.811	5.810	0.001	87690338	0.6790	101.5- 151.5	109.5	
			Average of Peak Amounts =			0.7403			
2	6	5.123	5.123	0.000	54601699	0.8192		100.0	
2	7	5.371	5.370	0.001	62959451	0.8534	86.6- 146.6	115.3	
2	8	5.758	5.757	0.001	94061860	0.8051	142.9- 202.9	172.3	
2	9	6.490	6.491	-0.001	116443560	0.8184	179.5- 239.5	213.3	
2	10	6.894	6.893	0.001	79328721	0.7618	121.8- 181.8	145.3	
			Average of Peak Amounts =			0.8116			
						RPD = 9.19			
$ 12 DCB Decachlorobiphenyl									
1	100	7.048	7.045	0.003	62651233	0.0268			
2	2	8.205	8.205	0.000	37460458	0.0278			
						RPD = 3.57			

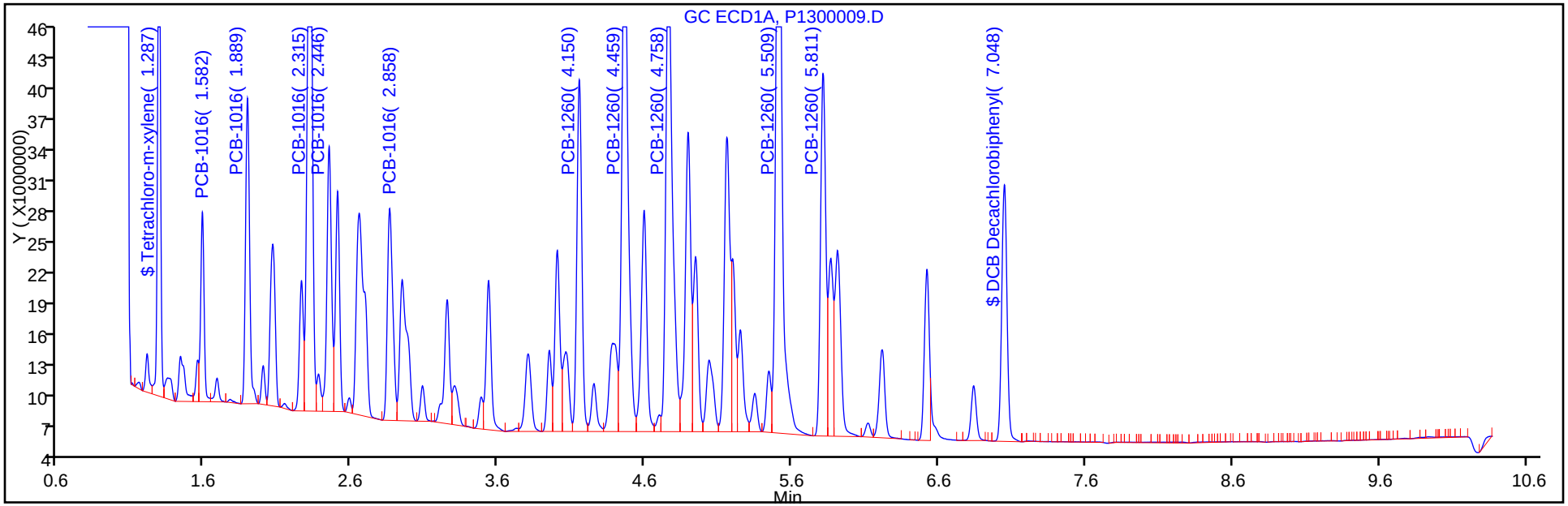
Report Date: 21-Dec-2012 09:49:22 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

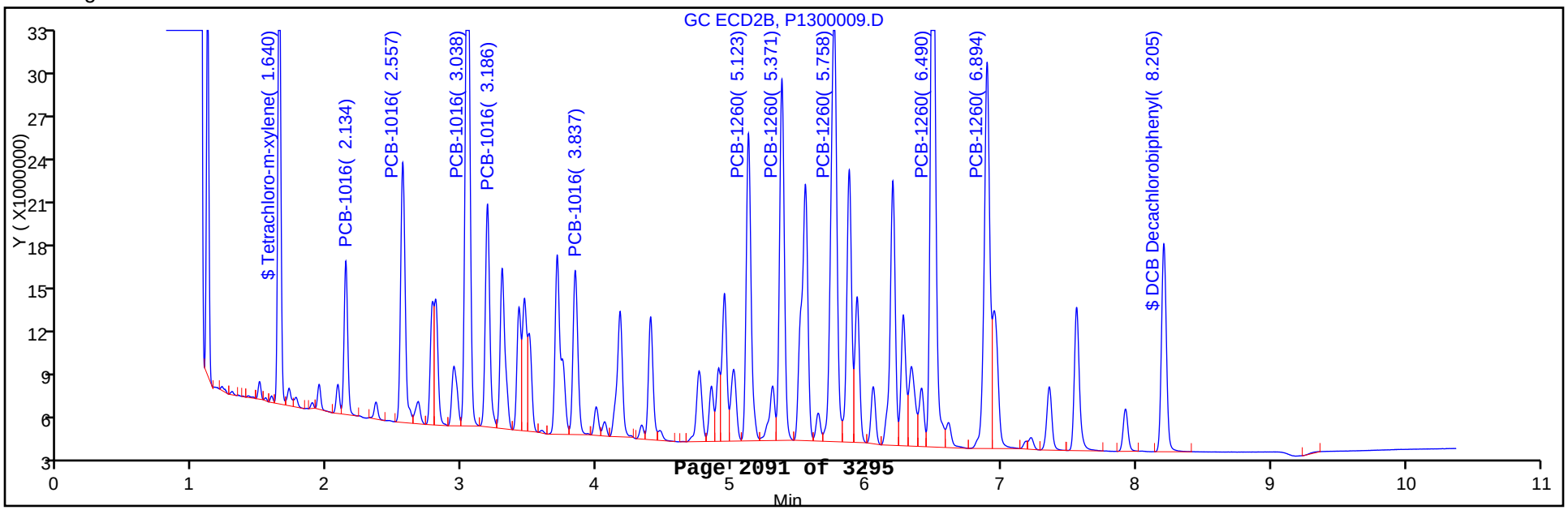
Data File: \\NCChrom\ChromData\A2HP13\20121218-15947.b\P1300009.D

Injection Date:	18-Dec-2012 09:56:15	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	69119	Lims Sample ID:	9
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-69119/4

Matrix: Water Lab File ID: P1300004.D

Analysis Method: 8082/DOD Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 12/18/2012 08:41

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 69119 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	*Aroclor-1221*	*0.00020*	*U*	*0.050*	0.00020	*0.013*
12674-11-2	*Aroclor-1016*	*0.0579*		*0.050*	0.00020	*0.017*
11141-16-5	*Aroclor-1232*	*0.00020*	*U*	*0.050*	0.00020	*0.016*
53469-21-9	*Aroclor-1242*	*0.00040*	*U*	*0.050*	0.00040	*0.022*
12672-29-6	*Aroclor-1248*	*0.00020*	*U*	*0.050*	0.00020	*0.010*
11097-69-1	*Aroclor-1254*	*0.00020*	*U*	*0.050*	0.00020	*0.016*
11096-82-5	*Aroclor-1260*	*0.0514*		*0.050*	0.00020	*0.017*

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	132		50-150
2051-24-3	DCB Decachlorobiphenyl	99		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121218-15947.b\P1300004.D		
Lims ID:	MRL	Client ID:	
Inject. Date:	18-Dec-2012 08:41:31	Dil. Factor:	1.0000
Sample Type:	MRL		
Sample ID:	240-0015947-004		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 uL	ALS Bottle#:	4
Lims Batch ID:	69119	Lims Sample ID:	4
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121218-15947.b\PCB13.m		
Last Update:	21-Dec-2012 09:49:15	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		

First Level Reviewer: hassl Date: 21-Dec-2012 09:15:35

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									7
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.284	1.285	-0.001	7523243	0.003296			
2	2	1.639	1.640	-0.001	4168663	0.002901			
						RPD = 12.74			
3 PCB-1221									
1	2		1.429						
1	3		1.579						
1	4		1.547						
2	4		1.934						
2	5		2.073						
2	6		2.132						
4 PCB-1232									
1	100		1.580						
1	2		1.888						
1	3		2.314						
1	4		2.444						
1	5		2.856						
2	6		2.132						
2	7		2.556						
2	8		3.037						
2	9		3.185						
2	10		3.836						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 PCB-1016									
1	100	1.581	1.580	0.001	2385071	0.0587		100.0	
1	2	1.888	1.888	0.000	4451524	0.0619	149.3- 199.3	186.6	
1	3	2.315	2.315	0.000	8956915	0.0577	350.2- 400.2	375.5	
1	4	2.446	2.445	0.001	3772703	0.0585	130.7- 180.7	158.2	
1	5	2.858	2.858	0.000	3572361	0.0527	137.9- 187.9	149.8	
			Average of Peak Amounts =			0.0579			
2	6	2.133	2.134	-0.001	1435592	0.0639		100.0	
2	7	2.556	2.556	0.000	2915697	0.0622	176.5- 236.5	203.1	
2	8	3.037	3.037	0.000	5645164	0.0621	362.5- 422.5	393.2	
2	9	3.185	3.185	0.000	2785982	0.0720	137.9- 197.9	194.1	
2	10	3.838	3.837	0.001	1974919	0.0548	118.8- 178.8	137.6	
			Average of Peak Amounts =			0.0630			
						RPD = 8.41			
5 PCB-1242									
1	100		1.580						
1	2		1.888						
1	3		2.313						
1	4		2.444						
1	5		2.858						
2	6		2.132						
2	7		2.555						
2	8		3.037						
2	9		3.185						
2	10		3.703						
7 PCB-1248									
1	86		1.888						
1	2		2.311						
1	3		2.857						
1	4		3.479						
1	5		3.947						
2	6		2.553						
2	7		3.035						
2	8		3.703						
2	9		3.835						
2	10		4.901						
8 PCB-1254									
1	100		3.531						
1	2		3.946						
1	3		4.250						
1	4		4.457						
1	5		4.758						
2	6		4.395						
2	7		4.900						
2	8		5.161						
2	9		5.542						
2	10		5.761						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.151	4.149	0.002	5680556	0.0560		100.0	
1	2	4.458	4.458	0.000	10710107	0.0534	175.1- 225.1	188.5	
1	3	4.758	4.758	0.000	10339139	0.0517	173.2- 223.2	182.0	
1	4	5.507	5.508	-0.001	13631085	0.0501	244.1- 294.1	240.0	
1	5	5.812	5.810	0.002	5912870	0.0458	101.5- 151.5	104.1	
			Average of Peak Amounts =			0.0514			
2	6	5.123	5.123	0.000	3782878	0.0568		100.0	
2	7	5.370	5.370	0.000	4618238	0.0222	86.6- 146.6	122.1	
2	8	5.758	5.757	0.001	6269563	0.0537	142.9- 202.9	165.7	
2	9	6.490	6.491	-0.001	7252059	0.0510	179.5- 239.5	191.7	
2	10	6.892	6.893	-0.001	3792872	0.0364	121.8- 181.8	100.3	
			Average of Peak Amounts =			0.0440			
						RPD = 15.53			
9 PCB-1262									
1	100		4.460						
1	2		4.892						
1	3		5.156						
1	4		5.509						
1	5		5.909						
2	6		5.370						
2	7		5.870						
2	8		6.194						
2	9		6.491						
2	10		6.891						
11 PCB-1268									
1	100		5.867						
1	2		5.904						
1	3		6.118						
1	4		6.519						
1	5		6.839						
2	6		6.891						
2	7		6.941						
2	8		7.220						
2	9		7.558						
2	10		7.920						
$ 12 DCB Decachlorobiphenyl									
1	100	7.046	7.045	0.001	5784084	0.002477			
2	2	8.204	8.205	-0.001	3194975	0.002372			
						RPD = 4.35			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

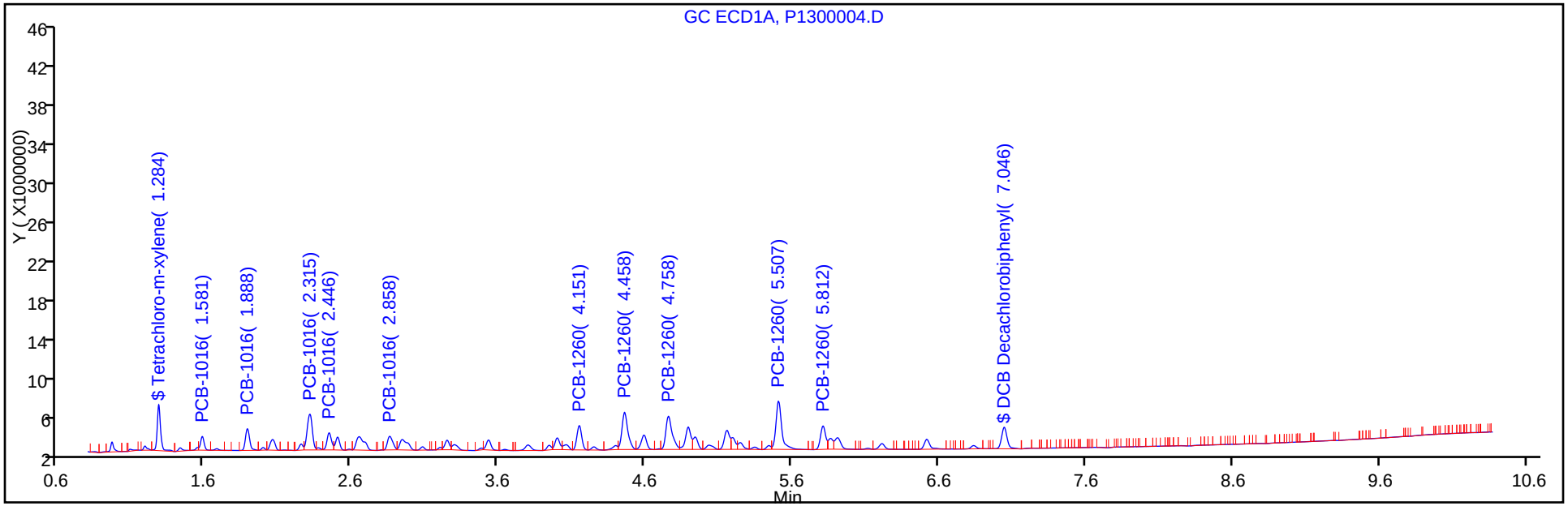
Report Date: 21-Dec-2012 09:49:17 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

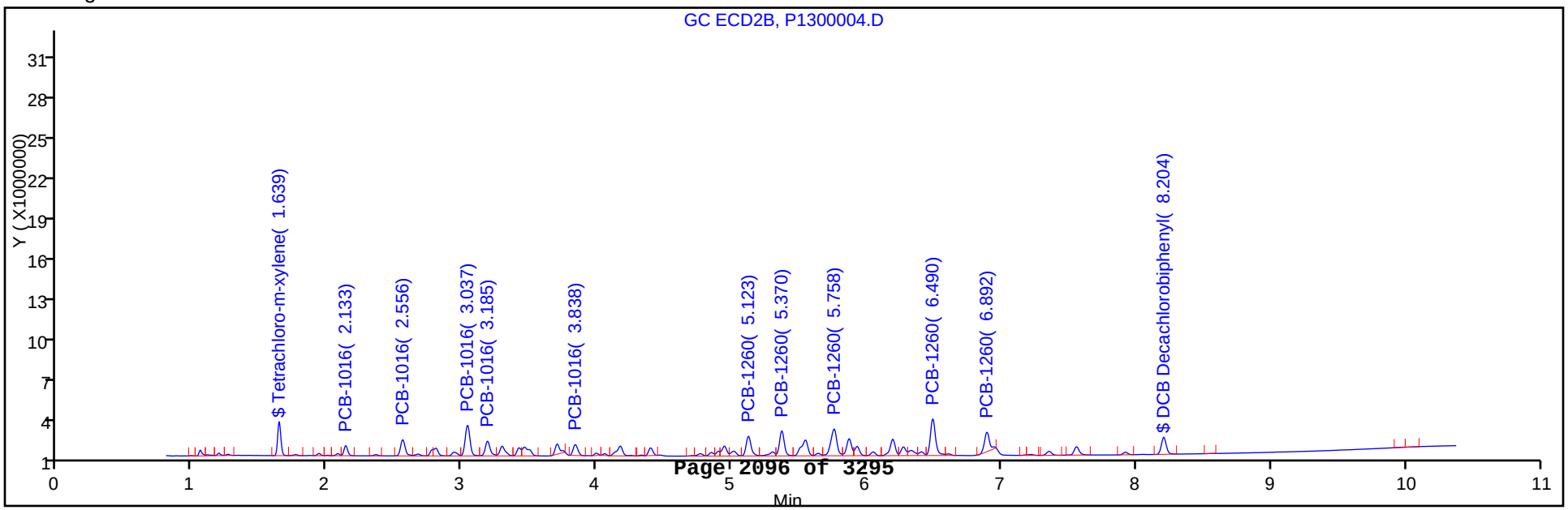
Data File: \\NCChrom\ChromData\A2HP13\20121218-15947.b\P1300004.D

Injection Date:	18-Dec-2012 08:41:31	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	69119	Lims Sample ID:	4
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-69119/4

Matrix: Water | Lab File ID: P1300004.D

Analysis Method: 8082/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/18/2012 08:41

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69119 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	0.00020	U	0.050	0.00020	0.013
12674-11-2	Aroclor-1016	0.0630		0.050	0.00020	0.017
11141-16-5	Aroclor-1232	0.00020	U	0.050	0.00020	0.016
53469-21-9	Aroclor-1242	0.00040	U	0.050	0.00040	0.022
12672-29-6	Aroclor-1248	0.00020	U	0.050	0.00020	0.010
11097-69-1	Aroclor-1254	0.00020	U	0.050	0.00020	0.016
11096-82-5	Aroclor-1260	0.0440	J	0.050	0.00020	0.017

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	116		50-150
2051-24-3	DCB Decachlorobiphenyl	95		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121218-15947.b\P1300004.D
Lims ID: MRL Client ID:
Inject. Date: 18-Dec-2012 08:41:31 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0015947-004
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 uL ALS Bottle#: 4
Lims Batch ID: 69119 Lims Sample ID: 4
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121218-15947.b\PCB13.m
Last Update: 21-Dec-2012 09:49:15 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK005

First Level Reviewer: hassl Date: 21-Dec-2012 09:15:35

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									7
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.284	1.285	-0.001	7523243	0.003296			
2	2	1.639	1.640	-0.001	4168663	0.002901			
						RPD = 12.74			
3 PCB-1221									
1	2		1.429						
1	3		1.579						
1	4		1.547						
2	4		1.934						
2	5		2.073						
2	6		2.132						
4 PCB-1232									
1	100		1.580						
1	2		1.888						
1	3		2.314						
1	4		2.444						
1	5		2.856						
2	6		2.132						
2	7		2.556						
2	8		3.037						
2	9		3.185						
2	10		3.836						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 PCB-1016									
1	100	1.581	1.580	0.001	2385071	0.0587		100.0	
1	2	1.888	1.888	0.000	4451524	0.0619	149.3- 199.3	186.6	
1	3	2.315	2.315	0.000	8956915	0.0577	350.2- 400.2	375.5	
1	4	2.446	2.445	0.001	3772703	0.0585	130.7- 180.7	158.2	
1	5	2.858	2.858	0.000	3572361	0.0527	137.9- 187.9	149.8	
			Average of Peak Amounts =			0.0579			
2	6	2.133	2.134	-0.001	1435592	0.0639		100.0	
2	7	2.556	2.556	0.000	2915697	0.0622	176.5- 236.5	203.1	
2	8	3.037	3.037	0.000	5645164	0.0621	362.5- 422.5	393.2	
2	9	3.185	3.185	0.000	2785982	0.0720	137.9- 197.9	194.1	
2	10	3.838	3.837	0.001	1974919	0.0548	118.8- 178.8	137.6	
			Average of Peak Amounts =			0.0630			
						RPD = 8.41			
5 PCB-1242									
1	100		1.580						
1	2		1.888						
1	3		2.313						
1	4		2.444						
1	5		2.858						
2	6		2.132						
2	7		2.555						
2	8		3.037						
2	9		3.185						
2	10		3.703						
7 PCB-1248									
1	86		1.888						
1	2		2.311						
1	3		2.857						
1	4		3.479						
1	5		3.947						
2	6		2.553						
2	7		3.035						
2	8		3.703						
2	9		3.835						
2	10		4.901						
8 PCB-1254									
1	100		3.531						
1	2		3.946						
1	3		4.250						
1	4		4.457						
1	5		4.758						
2	6		4.395						
2	7		4.900						
2	8		5.161						
2	9		5.542						
2	10		5.761						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.151	4.149	0.002	5680556	0.0560		100.0	
1	2	4.458	4.458	0.000	10710107	0.0534	175.1- 225.1	188.5	
1	3	4.758	4.758	0.000	10339139	0.0517	173.2- 223.2	182.0	
1	4	5.507	5.508	-0.001	13631085	0.0501	244.1- 294.1	240.0	
1	5	5.812	5.810	0.002	5912870	0.0458	101.5- 151.5	104.1	
			Average of Peak Amounts =			0.0514			
2	6	5.123	5.123	0.000	3782878	0.0568		100.0	
2	7	5.370	5.370	0.000	4618238	0.0222	86.6- 146.6	122.1	
2	8	5.758	5.757	0.001	6269563	0.0537	142.9- 202.9	165.7	
2	9	6.490	6.491	-0.001	7252059	0.0510	179.5- 239.5	191.7	
2	10	6.892	6.893	-0.001	3792872	0.0364	121.8- 181.8	100.3	
			Average of Peak Amounts =			0.0440			
						RPD = 15.53			
9 PCB-1262									
1	100		4.460						
1	2		4.892						
1	3		5.156						
1	4		5.509						
1	5		5.909						
2	6		5.370						
2	7		5.870						
2	8		6.194						
2	9		6.491						
2	10		6.891						
11 PCB-1268									
1	100		5.867						
1	2		5.904						
1	3		6.118						
1	4		6.519						
1	5		6.839						
2	6		6.891						
2	7		6.941						
2	8		7.220						
2	9		7.558						
2	10		7.920						
$ 12 DCB Decachlorobiphenyl									
1	100	7.046	7.045	0.001	5784084	0.002477			
2	2	8.204	8.205	-0.001	3194975	0.002372			
						RPD = 4.35			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

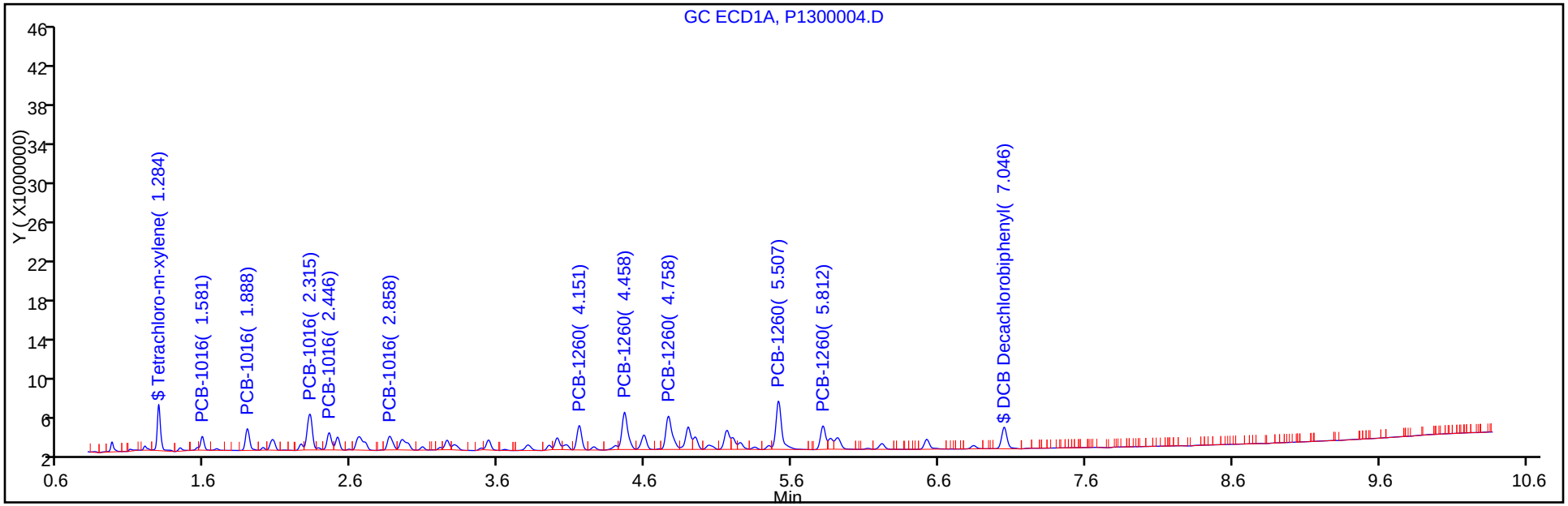
Report Date: 21-Dec-2012 09:49:18 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

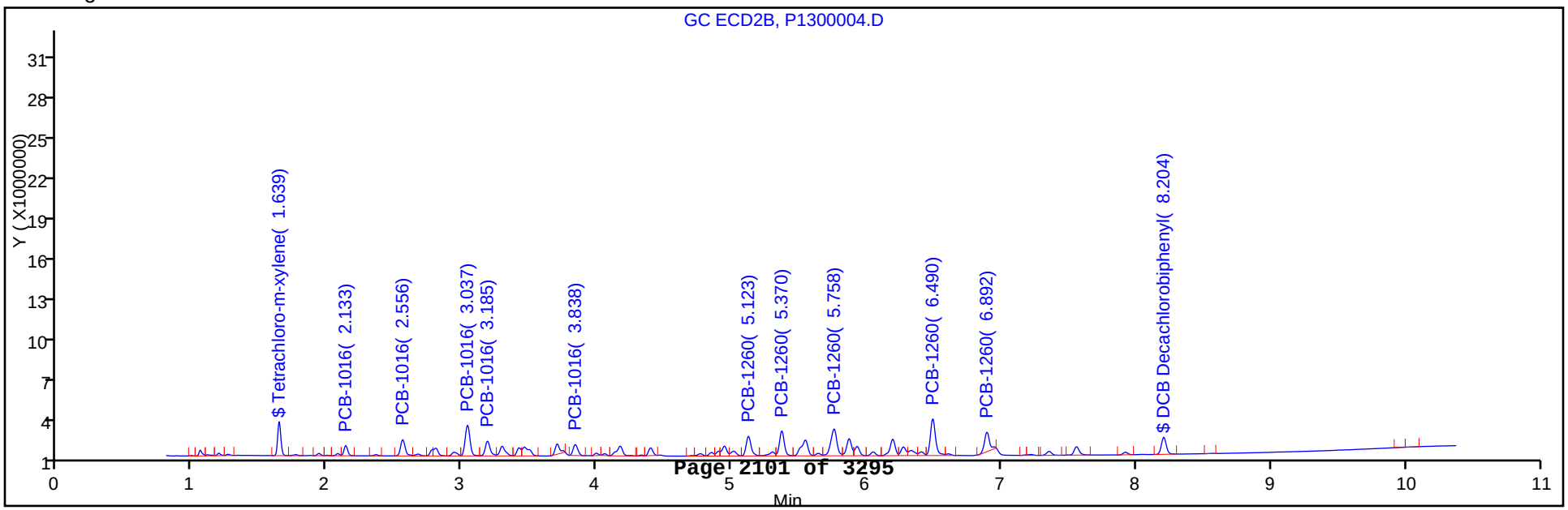
Data File: \\NCChrom\ChromData\A2HP13\20121218-15947.b\P1300004.D

Injection Date:	18-Dec-2012 08:41:31	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	69119	Lims Sample ID:	4
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-69119/11

Matrix: Water | Lab File ID: P1300011.D

Analysis Method: 8082/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/18/2012 10:26

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69119 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	*Aroclor-1221*	*0.00020*	*U*	*0.050*	0.00020	*0.013*
12674-11-2	*Aroclor-1016*	*0.0565*		*0.050*	0.00020	*0.017*
11141-16-5	*Aroclor-1232*	*0.00020*	*U*	*0.050*	0.00020	*0.016*
53469-21-9	*Aroclor-1242*	*0.00040*	*U*	*0.050*	0.00040	*0.022*
12672-29-6	*Aroclor-1248*	*0.00020*	*U*	*0.050*	0.00020	*0.010*
11097-69-1	*Aroclor-1254*	*0.00020*	*U*	*0.050*	0.00020	*0.016*
11096-82-5	*Aroclor-1260*	*0.0504*		*0.050*	0.00020	*0.017*

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	146	*Q*	50-150
2051-24-3	DCB Decachlorobiphenyl	106		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121218-15947.b\P1300011.D		
Lims ID:	MRL	Client ID:	
Inject. Date:	18-Dec-2012 10:26:14	Dil. Factor:	1.0000
Sample Type:	MRL		
Sample ID:	240-0015947-011		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 uL	ALS Bottle#:	11
Lims Batch ID:	69119	Lims Sample ID:	11
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121218-15947.b\PCB13.m		
Last Update:	21-Dec-2012 09:49:23	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		

First Level Reviewer: hassl Date: 21-Dec-2012 09:16:37

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									7
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.284	1.284	0.000	8337422	0.003652			
2	2	1.639	1.639	0.000	4010810	0.002791			
						RPD = 26.73			
3 PCB-1221									
1	2		1.429						
1	3		1.579						
1	4		1.547						
2	4		1.934						
2	5		2.073						
2	6		2.132						
4 PCB-1232									
1	100		1.580						
1	2		1.888						
1	3		2.314						
1	4		2.444						
1	5		2.856						
2	6		2.132						
2	7		2.556						
2	8		3.037						
2	9		3.185						
2	10		3.836						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.580						
1	2		1.888						
1	3		2.313						
1	4		2.444						
1	5		2.858						
2	6		2.132						
2	7		2.555						
2	8		3.037						
2	9		3.185						
2	10		3.703						
6 PCB-1016									
1	100	1.580	1.581	-0.001	2652730	0.0652		100.0	
1	2	1.888	1.889	-0.001	4111547	0.0572	149.3- 199.3	155.0	
1	3	2.314	2.314	0.000	8720684	0.0562	350.2- 400.2	328.7	
1	4	2.445	2.446	-0.001	3630755	0.0563	130.7- 180.7	136.9	
1	5	2.859	2.857	0.002	3238542	0.0477	137.9- 187.9	122.1	
			Average of Peak Amounts =			0.0565			
2	6	2.133	2.133	0.000	1295398	0.0576		100.0	
2	7	2.556	2.557	-0.001	2571257	0.0548	176.5- 236.5	198.5	
2	8	3.037	3.038	-0.001	5235521	0.0576	362.5- 422.5	404.2	
2	9	3.185	3.186	-0.001	2448356	0.0632	137.9- 197.9	189.0	
2	10	3.835	3.837	-0.002	1805746	0.0501	118.8- 178.8	139.4	
			Average of Peak Amounts =			0.0567			
						RPD = 0.25			
7 PCB-1248									
1	86		1.888						
1	2		2.311						
1	3		2.857						
1	4		3.479						
1	5		3.947						
2	6		2.553						
2	7		3.035						
2	8		3.703						
2	9		3.835						
2	10		4.901						
8 PCB-1254									
1	100		3.531						
1	2		3.946						
1	3		4.250						
1	4		4.457						
1	5		4.758						
2	6		4.395						
2	7		4.900						
2	8		5.161						
2	9		5.542						
2	10		5.761						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.150	4.152	-0.002	5365313	0.0529		100.0	
1	2	4.459	4.460	-0.001	10267058	0.0512	175.1- 225.1	191.4	
1	3	4.759	4.758	0.001	10024003	0.0501	173.2- 223.2	186.8	
1	4	5.509	5.508	0.001	13825635	0.0509	244.1- 294.1	257.7	
1	5	5.811	5.812	-0.001	6071485	0.0470	101.5- 151.5	113.2	
			Average of Peak Amounts =			0.0504			
2	6	5.123	5.122	0.001	3611688	0.0542		100.0	
2	7	5.370	5.370	0.000	4285537	0.0174	86.6- 146.6	118.7	
2	8	5.757	5.758	-0.001	6247528	0.0535	142.9- 202.9	173.0	
2	9	6.490	6.491	-0.001	7535640	0.0530	179.5- 239.5	208.6	
2	10	6.894	6.894	0.000	5249044	0.0504	121.8- 181.8	145.3	
			Average of Peak Amounts =			0.0457			
						RPD = 9.83			
9 PCB-1262									
1	100		4.460						
1	2		4.892						
1	3		5.156						
1	4		5.509						
1	5		5.909						
2	6		5.370						
2	7		5.870						
2	8		6.194						
2	9		6.491						
2	10		6.891						
11 PCB-1268									
1	100		5.867						
1	2		5.904						
1	3		6.118						
1	4		6.519						
1	5		6.839						
2	6		6.891						
2	7		6.941						
2	8		7.220						
2	9		7.558						
2	10		7.920						
$ 12 DCB Decachlorobiphenyl									
1	100	7.047	7.047	0.000	6169287	0.002642			
2	2	8.205	8.206	-0.001	3392232	0.002519			
						RPD = 4.80			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

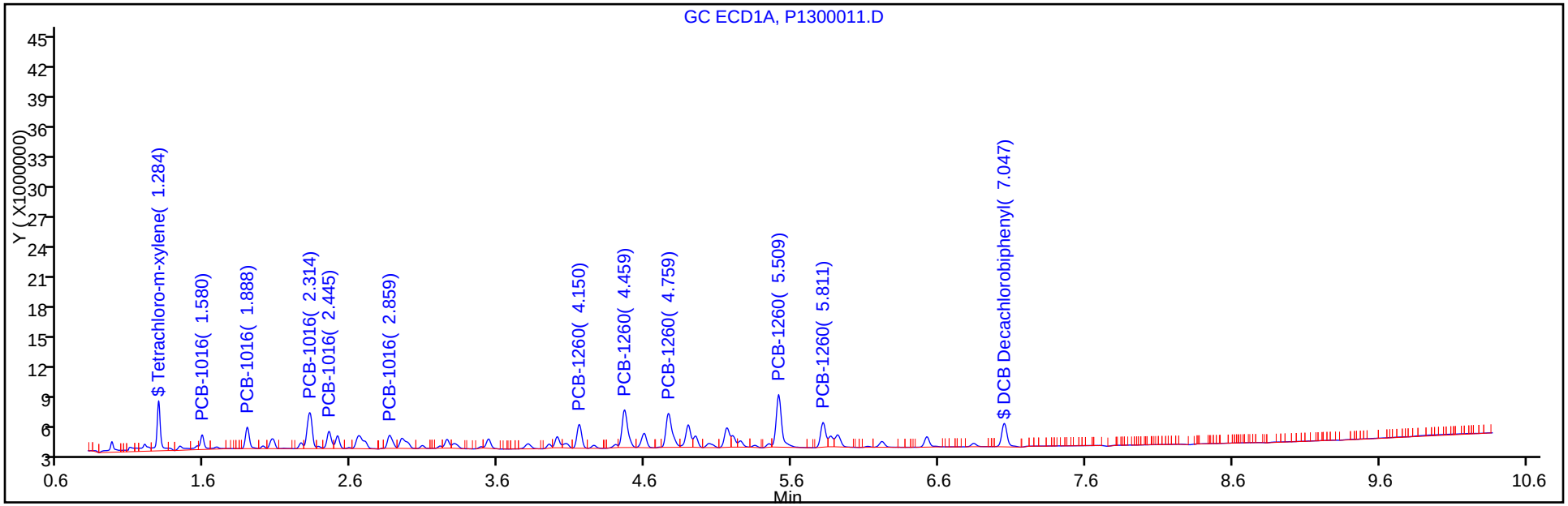
Report Date: 21-Dec-2012 09:49:24 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

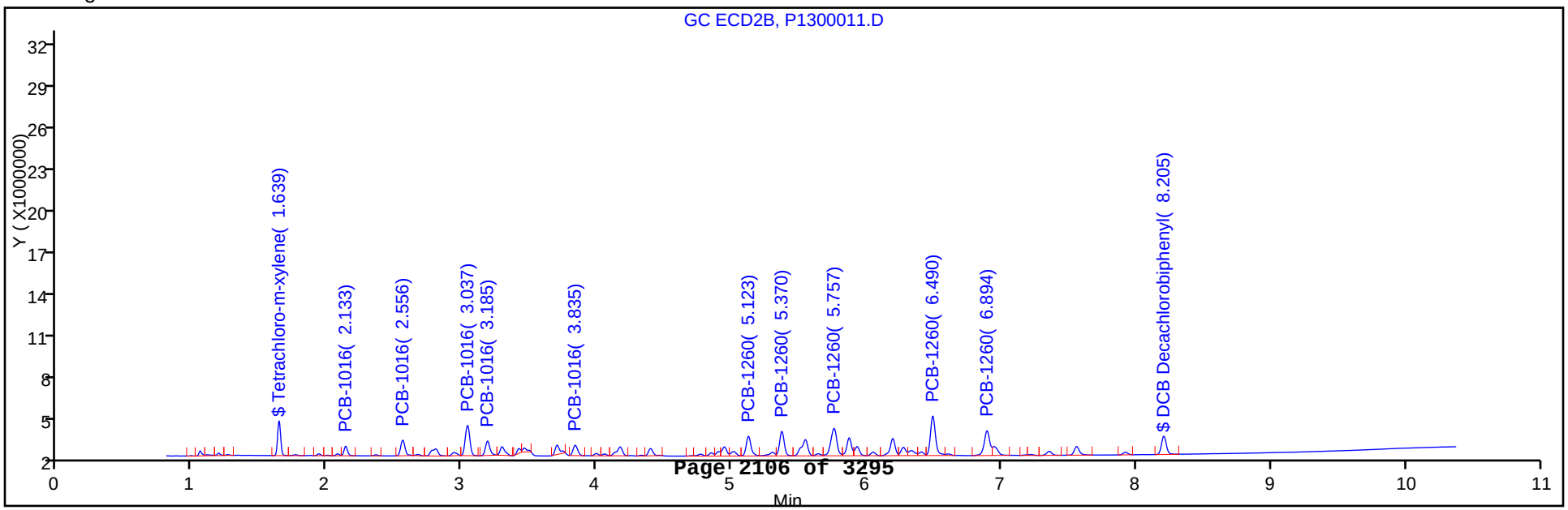
Data File: \\NCChrom\ChromData\A2HP13\20121218-15947.b\P1300011.D

Injection Date:	18-Dec-2012 10:26:14	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	69119	Lims Sample ID:	11
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-69119/11

Matrix: Water Lab File ID: P1300011.D

Analysis Method: 8082/DOD Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 12/18/2012 10:26

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 69119 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	0.00020	U	0.050	0.00020	0.013
12674-11-2	Aroclor-1016	0.0567		0.050	0.00020	0.017
11141-16-5	Aroclor-1232	0.00020	U	0.050	0.00020	0.016
53469-21-9	Aroclor-1242	0.00040	U	0.050	0.00040	0.022
12672-29-6	Aroclor-1248	0.00020	U	0.050	0.00020	0.010
11097-69-1	Aroclor-1254	0.00020	U	0.050	0.00020	0.016
11096-82-5	Aroclor-1260	0.0457	J	0.050	0.00020	0.017

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	112		50-150
2051-24-3	DCB Decachlorobiphenyl	101		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121218-15947.b\P1300011.D		
Lims ID:	MRL	Client ID:	
Inject. Date:	18-Dec-2012 10:26:14	Dil. Factor:	1.0000
Sample Type:	MRL		
Sample ID:	240-0015947-011		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 uL	ALS Bottle#:	11
Lims Batch ID:	69119	Lims Sample ID:	11
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121218-15947.b\PCB13.m		
Last Update:	21-Dec-2012 09:49:23	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		

First Level Reviewer: hassl Date: 21-Dec-2012 09:16:37

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									7
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.284	1.284	0.000	8337422	0.003652			
2	2	1.639	1.639	0.000	4010810	0.002791			
						RPD = 26.73			
3 PCB-1221									
1	2		1.429						
1	3		1.579						
1	4		1.547						
2	4		1.934						
2	5		2.073						
2	6		2.132						
4 PCB-1232									
1	100		1.580						
1	2		1.888						
1	3		2.314						
1	4		2.444						
1	5		2.856						
2	6		2.132						
2	7		2.556						
2	8		3.037						
2	9		3.185						
2	10		3.836						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.580						
1	2		1.888						
1	3		2.313						
1	4		2.444						
1	5		2.858						
2	6		2.132						
2	7		2.555						
2	8		3.037						
2	9		3.185						
2	10		3.703						
6 PCB-1016									
1	100	1.580	1.581	-0.001	2652730	0.0652		100.0	
1	2	1.888	1.889	-0.001	4111547	0.0572	149.3- 199.3	155.0	
1	3	2.314	2.314	0.000	8720684	0.0562	350.2- 400.2	328.7	
1	4	2.445	2.446	-0.001	3630755	0.0563	130.7- 180.7	136.9	
1	5	2.859	2.857	0.002	3238542	0.0477	137.9- 187.9	122.1	
			Average of Peak Amounts =			0.0565			
2	6	2.133	2.133	0.000	1295398	0.0576		100.0	
2	7	2.556	2.557	-0.001	2571257	0.0548	176.5- 236.5	198.5	
2	8	3.037	3.038	-0.001	5235521	0.0576	362.5- 422.5	404.2	
2	9	3.185	3.186	-0.001	2448356	0.0632	137.9- 197.9	189.0	
2	10	3.835	3.837	-0.002	1805746	0.0501	118.8- 178.8	139.4	
			Average of Peak Amounts =			0.0567			
						RPD = 0.25			
7 PCB-1248									
1	86		1.888						
1	2		2.311						
1	3		2.857						
1	4		3.479						
1	5		3.947						
2	6		2.553						
2	7		3.035						
2	8		3.703						
2	9		3.835						
2	10		4.901						
8 PCB-1254									
1	100		3.531						
1	2		3.946						
1	3		4.250						
1	4		4.457						
1	5		4.758						
2	6		4.395						
2	7		4.900						
2	8		5.161						
2	9		5.542						
2	10		5.761						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.150	4.152	-0.002	5365313	0.0529		100.0	
1	2	4.459	4.460	-0.001	10267058	0.0512	175.1- 225.1	191.4	
1	3	4.759	4.758	0.001	10024003	0.0501	173.2- 223.2	186.8	
1	4	5.509	5.508	0.001	13825635	0.0509	244.1- 294.1	257.7	
1	5	5.811	5.812	-0.001	6071485	0.0470	101.5- 151.5	113.2	
			Average of Peak Amounts =			0.0504			
2	6	5.123	5.122	0.001	3611688	0.0542		100.0	
2	7	5.370	5.370	0.000	4285537	0.0174	86.6- 146.6	118.7	
2	8	5.757	5.758	-0.001	6247528	0.0535	142.9- 202.9	173.0	
2	9	6.490	6.491	-0.001	7535640	0.0530	179.5- 239.5	208.6	
2	10	6.894	6.894	0.000	5249044	0.0504	121.8- 181.8	145.3	
			Average of Peak Amounts =			0.0457			
						RPD = 9.83			
9 PCB-1262									
1	100		4.460						
1	2		4.892						
1	3		5.156						
1	4		5.509						
1	5		5.909						
2	6		5.370						
2	7		5.870						
2	8		6.194						
2	9		6.491						
2	10		6.891						
11 PCB-1268									
1	100		5.867						
1	2		5.904						
1	3		6.118						
1	4		6.519						
1	5		6.839						
2	6		6.891						
2	7		6.941						
2	8		7.220						
2	9		7.558						
2	10		7.920						
$ 12 DCB Decachlorobiphenyl									
1	100	7.047	7.047	0.000	6169287	0.002642			
2	2	8.205	8.206	-0.001	3392232	0.002519			
						RPD = 4.80			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

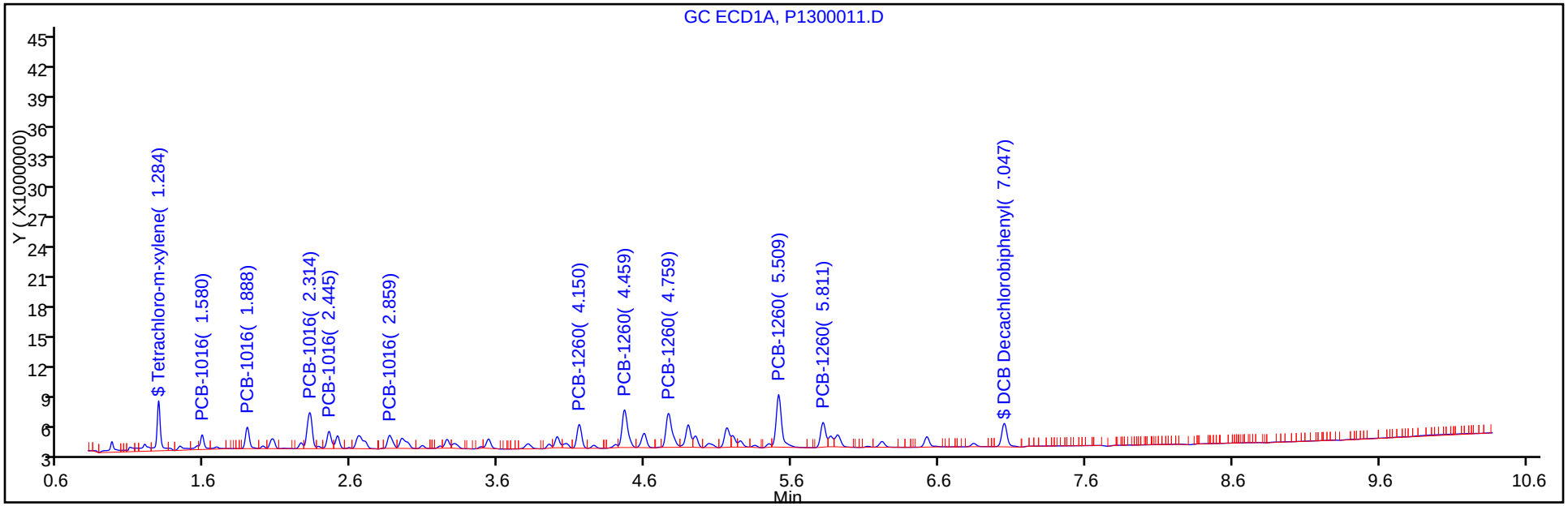
Report Date: 21-Dec-2012 09:49:25 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

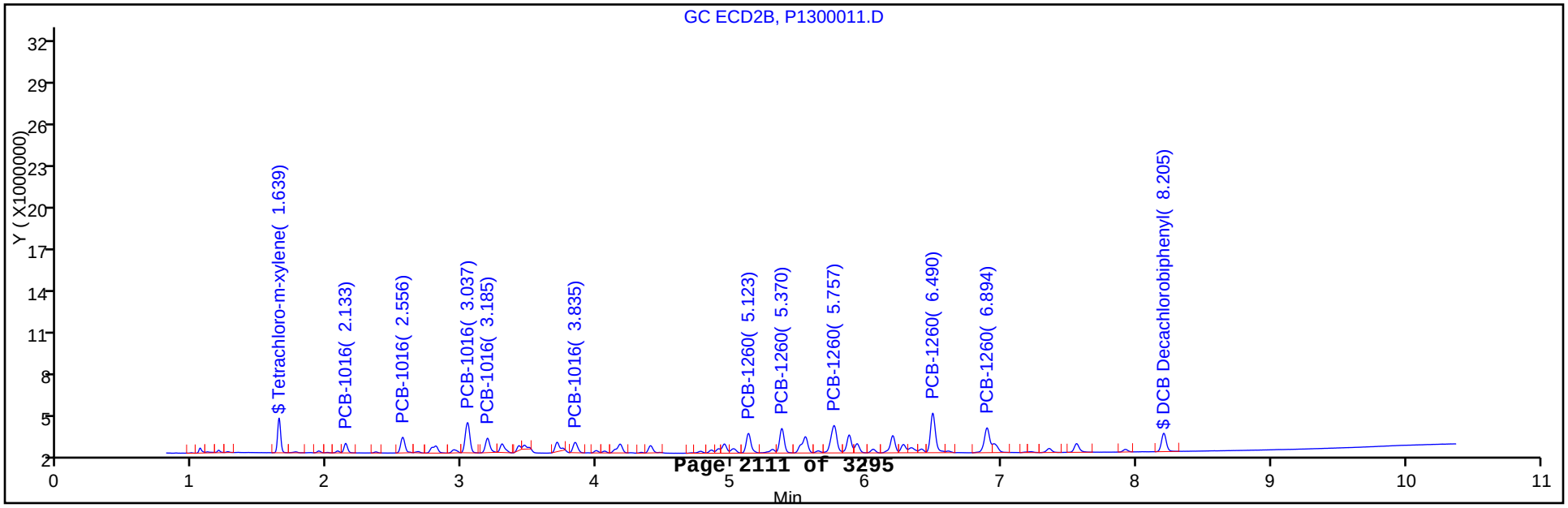
Data File: \\NCChrom\ChromData\A2HP13\20121218-15947.b\P1300011.D

Injection Date:	18-Dec-2012 10:26:14	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	69119	Lims Sample ID:	11
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A2HP13 Start Date: 10/21/2012 16:53

Analysis Batch Number: 62068 End Date: 10/22/2012 05:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD005 240-62068/3 IC		10/21/2012 16:53	1	P1300003.D	CLP-1 0.53(mm)
STD005 240-62068/3 IC		10/21/2012 16:53	1	P1300003.D	CLP-2 0.53(mm)
STD01 240-62068/4 IC		10/21/2012 17:08	1	P1300004.D	CLP-1 0.53(mm)
STD01 240-62068/4 IC		10/21/2012 17:08	1	P1300004.D	CLP-2 0.53(mm)
STD02 240-62068/5 IC		10/21/2012 17:23	1	P1300005.D	CLP-1 0.53(mm)
STD02 240-62068/5 IC		10/21/2012 17:23	1	P1300005.D	CLP-2 0.53(mm)
STD05 240-62068/6 IC		10/21/2012 17:38	1	P1300006.D	CLP-1 0.53(mm)
STD05 240-62068/6 IC		10/21/2012 17:38	1	P1300006.D	CLP-2 0.53(mm)
STD1 240-62068/7 IC		10/21/2012 17:53	1	P1300007.D	CLP-1 0.53(mm)
STD1 240-62068/7 IC		10/21/2012 17:53	1	P1300007.D	CLP-2 0.53(mm)
STD2 240-62068/8 IC		10/21/2012 18:07	1	P1300008.D	CLP-1 0.53(mm)
STD2 240-62068/8 IC		10/21/2012 18:07	1	P1300008.D	CLP-2 0.53(mm)
STD005 240-62068/9 IC		10/21/2012 18:22	1	P1300009.D	CLP-1 0.53(mm)
STD005 240-62068/9 IC		10/21/2012 18:22	1	P1300009.D	CLP-2 0.53(mm)
STD01 240-62068/10 IC		10/21/2012 18:37	1	P1300010.D	CLP-1 0.53(mm)
STD01 240-62068/10 IC		10/21/2012 18:37	1	P1300010.D	CLP-2 0.53(mm)
STD02 240-62068/11 IC		10/21/2012 18:52	1	P1300011.D	CLP-1 0.53(mm)
STD02 240-62068/11 IC		10/21/2012 18:52	1	P1300011.D	CLP-2 0.53(mm)
STD05 240-62068/12 IC		10/21/2012 19:07	1	P1300012.D	CLP-1 0.53(mm)
STD05 240-62068/12 IC		10/21/2012 19:07	1	P1300012.D	CLP-2 0.53(mm)
STD1 240-62068/13 IC		10/21/2012 19:22	1	P1300013.D	CLP-1 0.53(mm)
STD1 240-62068/13 IC		10/21/2012 19:22	1	P1300013.D	CLP-2 0.53(mm)
STD2 240-62068/14 IC		10/21/2012 19:37	1	P1300014.D	CLP-1 0.53(mm)
STD2 240-62068/14 IC		10/21/2012 19:37	1	P1300014.D	CLP-2 0.53(mm)
STD005 240-62068/15 IC		10/21/2012 19:52	1	P1300015.D	CLP-1 0.53(mm)
STD005 240-62068/15 IC		10/21/2012 19:52	1	P1300015.D	CLP-2 0.53(mm)
STD01 240-62068/16 IC		10/21/2012 20:07	1	P1300016.D	CLP-1 0.53(mm)
STD01 240-62068/16 IC		10/21/2012 20:07	1	P1300016.D	CLP-2 0.53(mm)
STD02 240-62068/17 IC		10/21/2012 20:22	1	P1300017.D	CLP-1 0.53(mm)
STD02 240-62068/17 IC		10/21/2012 20:22	1	P1300017.D	CLP-2 0.53(mm)
STD05 240-62068/18 IC		10/21/2012 20:37	1	P1300018.D	CLP-1 0.53(mm)
STD05 240-62068/18 IC		10/21/2012 20:37	1	P1300018.D	CLP-2 0.53(mm)
STD1 240-62068/19 IC		10/21/2012 20:52	1	P1300019.D	CLP-1 0.53(mm)
STD1 240-62068/19 IC		10/21/2012 20:52	1	P1300019.D	CLP-2 0.53(mm)
STD2 240-62068/20 IC		10/21/2012 21:07	1	P1300020.D	CLP-1 0.53(mm)
STD2 240-62068/20 IC		10/21/2012 21:07	1	P1300020.D	CLP-2 0.53(mm)
STD005 240-62068/21 IC		10/21/2012 21:21	1	P1300021.D	CLP-1 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A2HP13 Start Date: 10/21/2012 16:53

Analysis Batch Number: 62068 End Date: 10/22/2012 05:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD005 240-62068/21 IC		10/21/2012 21:21	1	P1300021.D	CLP-2 0.53(mm)
STD01 240-62068/22 IC		10/21/2012 21:36	1	P1300022.D	CLP-1 0.53(mm)
STD01 240-62068/22 IC		10/21/2012 21:36	1	P1300022.D	CLP-2 0.53(mm)
STD02 240-62068/23 IC		10/21/2012 21:51	1	P1300023.D	CLP-1 0.53(mm)
STD02 240-62068/23 IC		10/21/2012 21:51	1	P1300023.D	CLP-2 0.53(mm)
STD05 240-62068/24 IC		10/21/2012 22:06	1	P1300024.D	CLP-1 0.53(mm)
STD05 240-62068/24 IC		10/21/2012 22:06	1	P1300024.D	CLP-2 0.53(mm)
STD1 240-62068/25 IC		10/21/2012 22:21	1	P1300025.D	CLP-1 0.53(mm)
STD1 240-62068/25 IC		10/21/2012 22:21	1	P1300025.D	CLP-2 0.53(mm)
STD2 240-62068/26 IC		10/21/2012 22:36	1	P1300026.D	CLP-1 0.53(mm)
STD2 240-62068/26 IC		10/21/2012 22:36	1	P1300026.D	CLP-2 0.53(mm)
STD005 240-62068/27 IC		10/21/2012 22:51	1	P1300027.D	CLP-1 0.53(mm)
STD005 240-62068/27 IC		10/21/2012 22:51	1	P1300027.D	CLP-2 0.53(mm)
STD01 240-62068/28 IC		10/21/2012 23:06	1	P1300028.D	CLP-1 0.53(mm)
STD01 240-62068/28 IC		10/21/2012 23:06	1	P1300028.D	CLP-2 0.53(mm)
STD02 240-62068/29 IC		10/21/2012 23:21	1	P1300029.D	CLP-1 0.53(mm)
STD02 240-62068/29 IC		10/21/2012 23:21	1	P1300029.D	CLP-2 0.53(mm)
STD05 240-62068/30 ICRT		10/21/2012 23:36	1	P1300030.D	CLP-1 0.53(mm)
STD05 240-62068/30 ICRT		10/21/2012 23:36	1	P1300030.D	CLP-2 0.53(mm)
STD1 240-62068/31 IC		10/21/2012 23:50	1	P1300031.D	CLP-1 0.53(mm)
STD1 240-62068/31 IC		10/21/2012 23:50	1	P1300031.D	CLP-2 0.53(mm)
STD2 240-62068/32 IC		10/22/2012 00:05	1	P1300032.D	CLP-1 0.53(mm)
STD2 240-62068/32 IC		10/22/2012 00:05	1	P1300032.D	CLP-2 0.53(mm)
STD005 240-62068/33 IC		10/22/2012 00:20	1		CLP-1 0.53(mm)
STD005 240-62068/33 IC		10/22/2012 00:20	1		CLP-2 0.53(mm)
STD01 240-62068/34 IC		10/22/2012 00:35	1		CLP-1 0.53(mm)
STD01 240-62068/34 IC		10/22/2012 00:35	1		CLP-2 0.53(mm)
STD02 240-62068/35 IC		10/22/2012 00:50	1		CLP-1 0.53(mm)
STD02 240-62068/35 IC		10/22/2012 00:50	1		CLP-2 0.53(mm)
STD05 240-62068/36 IC		10/22/2012 01:05	1		CLP-1 0.53(mm)
STD05 240-62068/36 IC		10/22/2012 01:05	1		CLP-2 0.53(mm)
STD1 240-62068/37 IC		10/22/2012 01:20	1		CLP-1 0.53(mm)
STD1 240-62068/37 IC		10/22/2012 01:20	1		CLP-2 0.53(mm)
STD2 240-62068/38 IC		10/22/2012 01:35	1		CLP-1 0.53(mm)
STD2 240-62068/38 IC		10/22/2012 01:35	1		CLP-2 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A2HP13 Start Date: 10/21/2012 16:53

Analysis Batch Number: 62068 End Date: 10/22/2012 05:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD005 240-62068/39 IC		10/22/2012 01:50	1		CLP-1 0.53(mm)
STD005 240-62068/39 IC		10/22/2012 01:50	1		CLP-2 0.53(mm)
STD01 240-62068/40 IC		10/22/2012 02:05	1		CLP-1 0.53(mm)
STD01 240-62068/40 IC		10/22/2012 02:05	1		CLP-2 0.53(mm)
STD02 240-62068/41 IC		10/22/2012 02:20	1		CLP-1 0.53(mm)
STD02 240-62068/41 IC		10/22/2012 02:20	1		CLP-2 0.53(mm)
STD05 240-62068/42 IC		10/22/2012 02:34	1		CLP-1 0.53(mm)
STD05 240-62068/42 IC		10/22/2012 02:34	1		CLP-2 0.53(mm)
STD1 240-62068/43 IC		10/22/2012 02:49	1		CLP-1 0.53(mm)
STD1 240-62068/43 IC		10/22/2012 02:49	1		CLP-2 0.53(mm)
STD2 240-62068/44 IC		10/22/2012 03:04	1		CLP-1 0.53(mm)
STD2 240-62068/44 IC		10/22/2012 03:04	1		CLP-2 0.53(mm)
ICV 240-62068/45		10/22/2012 03:19	1	P1300045.D	CLP-1 0.53(mm)
ICV 240-62068/45		10/22/2012 03:19	1	P1300045.D	CLP-2 0.53(mm)
ICV 240-62068/46		10/22/2012 03:34	1	P1300046.D	CLP-1 0.53(mm)
ICV 240-62068/46		10/22/2012 03:34	1	P1300046.D	CLP-2 0.53(mm)
ICV 240-62068/47		10/22/2012 03:49	1	P1300047.D	CLP-1 0.53(mm)
ICV 240-62068/47		10/22/2012 03:49	1	P1300047.D	CLP-2 0.53(mm)
ICV 240-62068/48		10/22/2012 04:04	1	P1300048.D	CLP-1 0.53(mm)
ICV 240-62068/48		10/22/2012 04:04	1	P1300048.D	CLP-2 0.53(mm)
ICV 240-62068/49		10/22/2012 04:19	1	P1300049.D	CLP-1 0.53(mm)
ICV 240-62068/49		10/22/2012 04:19	1	P1300049.D	CLP-2 0.53(mm)
ICV 240-62068/50		10/22/2012 04:34	1	P1300050.D	CLP-1 0.53(mm)
ICV 240-62068/50		10/22/2012 04:34	1	P1300050.D	CLP-2 0.53(mm)
ICV 240-62068/51		10/22/2012 04:49	1		CLP-1 0.53(mm)
ICV 240-62068/51		10/22/2012 04:49	1		CLP-2 0.53(mm)
ICV 240-62068/52		10/22/2012 05:03	1		CLP-1 0.53(mm)
ICV 240-62068/52		10/22/2012 05:03	1		CLP-2 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A2HP13 Start Date: 12/18/2012 08:26

Analysis Batch Number: 69119 End Date: 12/18/2012 10:26

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 240-69119/3 CCVRT		12/18/2012 08:26	1	P1300003.D	CLP-1 0.53(mm)
CCV 240-69119/3 CCVRT		12/18/2012 08:26	1	P1300003.D	CLP-2 0.53(mm)
MRL 240-69119/4		12/18/2012 08:41	1	P1300004.D	CLP-1 0.53(mm)
MRL 240-69119/4		12/18/2012 08:41	1	P1300004.D	CLP-2 0.53(mm)
ZZZZZ		12/18/2012 08:56	1		CLP-1 0.53(mm)
ZZZZZ		12/18/2012 08:56	1		CLP-2 0.53(mm)
240-18735-3	070-0056-0001-SOURCE WATER	12/18/2012 09:11	1	P1300006.D	CLP-1 0.53(mm)
240-18735-3	070-0056-0001-SOURCE WATER	12/18/2012 09:11	1	P1300006.D	CLP-2 0.53(mm)
240-18735-4	070-0057-0001-SOURCE WATER	12/18/2012 09:26	1	P1300007.D	CLP-1 0.53(mm)
240-18735-4	070-0057-0001-SOURCE WATER	12/18/2012 09:26	1	P1300007.D	CLP-2 0.53(mm)
MB 240-68553/4-A		12/18/2012 09:41	1	P1300008.D	CLP-1 0.53(mm)
MB 240-68553/4-A		12/18/2012 09:41	1	P1300008.D	CLP-2 0.53(mm)
LCS 240-68553/5-A		12/18/2012 09:56	1	P1300009.D	CLP-1 0.53(mm)
LCS 240-68553/5-A		12/18/2012 09:56	1	P1300009.D	CLP-2 0.53(mm)
CCV 240-69119/10		12/18/2012 10:11	1	P1300010.D	CLP-1 0.53(mm)
CCV 240-69119/10		12/18/2012 10:11	1	P1300010.D	CLP-2 0.53(mm)
MRL 240-69119/11		12/18/2012 10:26	1	P1300011.D	CLP-1 0.53(mm)
MRL 240-69119/11		12/18/2012 10:26	1	P1300011.D	CLP-2 0.53(mm)

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Batch Number: 68553 Batch Start Date: 12/13/12 12:45 Batch Analyst: Coast, Chris

Batch Method: 3520C Batch End Date: 12/14/12 06:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ReceivedpH	EX10PPMSPK 00006	EX2/.2SURRW 00020	AnalysisComment
240-18735-O-3	070-0056-0001-SOURCE WATER	3520C, 8082/DOD	T	1050 mL	5 mL	7		1 mL	assoc sample with batch # 68554
240-18735-L-4	070-0057-0001-SOURCE WATER	3520C, 8082/DOD	T	1050 mL	5 mL	7		1 mL	assoc sample with batch # 68554
MB 240-68553/4		3520C, 8082/DOD		1000 mL	5 mL	7		1 mL	
LCS 240-68553/5		3520C, 8082/DOD		1000 mL	5 mL	7	0.5 mL	1 mL	

Batch Notes	
Acid used for Clean Up Reagent	724997
Person's name who did the concentration	ac/bm
Exchange Solvent Lot #	671347
Na2SO4 Lot Number	677238
Prep Solvent Lot #	781160

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8151 DOD

Herbicides (GC) by Method 8151A/DOD

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Solid (TCLP) Level: Low

GC Column (1): CLP-1 ID: 0.53 (mm) GC Column (2): CLP-2 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	DCPA1 #	DCPA2 #
070-0058-0001-IDW	240-18735-5	74	84
	MB 240-70010/4-A	79	86
	LCS 240-70010/5-A	78	73
070-0058-0001-IDW MS	240-18735-5 MS	70	76

	QC LIMITS
DCPA = 2,4-Dichlorophenylacetic acid	37-116

Column to be used to flag recovery values

FORM II 8151/DOD

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low

GC Column (1): CLP-1 ID: 0.53 (mm) GC Column (2): CLP-2 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	DCPA1	#	DCPA2	#
070-0056-0001-SOUR CE WATER	240-18735-3	66		79	
070-0057-0001-SOUR CE WATER	240-18735-4	70		79	
	MB 240-69372/21-A	74		86	
	LCS 240-69372/22-A	87		93	
	MRL 240-70037/7	121	Q	122	Q
	MRL 240-70037/32	128	Q	126	Q

	QC LIMITS
DCPA = 2,4-Dichlorophenylacetic acid	32-112

Column to be used to flag recovery values

FORM II 8151/DOD

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low

GC Column (1): CLP-1 ID: 0.53 (mm) GC Column (2): CLP-2 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	DCPA1 #	DCPA2 #
	MRL 240-70766/23	107	105
	MRL 240-70766/42	123 Q	120 Q

	QC LIMITS
DCPA = 2,4-Dichlorophenylacetic acid	37-116

Column to be used to flag recovery values

FORM II 8151/DOD

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water (TCLP) Level: Low

GC Column (1): CLP-1 ID: 0.53 (mm) GC Column (2): CLP-2 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	DCPA1 #	DCPA2 #
070-0059-0001-IDW	240-18735-6	66	77

	QC LIMITS
DCPA = 2,4-Dichlorophenylacetic acid	37-116

Column to be used to flag recovery values

FORM II 8151/DOD

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low Lab File ID: P1000029.D

Lab ID: LCS 240-69372/22-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
2,4-D	40.0	36.7	92	35-115	
Dalapon	20.0	13.7	68	40-110	
2,4-DB	40.0	35.1	88	45-130	
Dicamba	20.0	17.6	88	60-110	
Dichlorprop	40.0	43.9	110	70-120	
Dinoseb	6.00	4.33	72	20-110	
MCPA	4000	3570	89	60-145	
Silvex (2,4,5-TP)	10.0	8.89	89	50-115	
2,4,5-T	10.0	8.89	89	35-110	

Column to be used to flag recovery and RPD values

FORM III 8151/DOD

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low Lab File ID: P1000033.D

Lab ID: LCS 240-70010/5-A Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
2,4-D	0.0200	0.0154 J	77	35-136	
Silvex (2,4,5-TP)	0.00500	0.00464 J	93	46-112	

Column to be used to flag recovery and RPD values

FORM III 8151/DOD

FORM III
GC SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low Lab File ID: P1000007.D

Lab ID: MRL 240-70037/7 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
2,4-D	0.0200	0.0211	106	70-130	
2,4-D	0.0200	0.0212	106	70-130	
Dalapon	0.0100	0.0115	115	70-130	
Dalapon	0.0100	0.0120	120	70-130	
2,4-DB	0.0200	0.0190	95	70-130	
2,4-DB	0.0200	0.00331 J	17	70-130	^
Dicamba	0.0100	0.0120	120	70-130	
Dicamba	0.0100	0.0116	116	70-130	
Dichlorprop	0.0200	0.0254	127	70-130	
Dichlorprop	0.0200	0.0239	119	70-130	
Dinoseb	0.00300	0.00328	109	70-130	
Dinoseb	0.00300	0.00324	108	70-130	M
MCPA	2.00	1.08	54	70-130	^
MCPA	2.00	1.06	53	70-130	^
Silvex (2,4,5-TP)	0.00500	0.00530	106	70-130	
Silvex (2,4,5-TP)	0.00500	0.00536	107	70-130	
2,4,5-T	0.00500	0.00469	94	70-130	
2,4,5-T	0.00500	0.00516	103	70-130	

Column to be used to flag recovery and RPD values

FORM III 8151/DOD

FORM III
GC SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low Lab File ID: P1000032.D

Lab ID: MRL 240-70037/32 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
2,4-D	0.0200	0.0219	110	70-130	
2,4-D	0.0200	0.0235	117	70-130	
Dalapon	0.0100	0.0114	114	70-130	
Dalapon	0.0100	0.0127	127	70-130	
2,4-DB	0.0200	0.0202	101	70-130	
2,4-DB	0.0200	0.0220	110	70-130	
Dicamba	0.0100	0.0124	124	70-130	
Dicamba	0.0100	0.0118	118	70-130	
Dichlorprop	0.0200	0.0262	131	70-130	^
Dichlorprop	0.0200	0.0255	128	70-130	
Dinoseb	0.00300	0.00358	119	70-130	
Dinoseb	0.00300	0.00351	117	70-130	M
MCPA	2.00	1.30	65	70-130	^
MCPA	2.00	1.33	67	70-130	^
Silvex (2,4,5-TP)	0.00500	0.00547	109	70-130	
Silvex (2,4,5-TP)	0.00500	0.00565	113	70-130	
2,4,5-T	0.00500	0.00495	99	70-130	
2,4,5-T	0.00500	0.00545	109	70-130	

Column to be used to flag recovery and RPD values

FORM III 8151/DOD

FORM III
GC SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low Lab File ID: P1000023.D

Lab ID: MRL 240-70766/23 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
2,4-D	0.0200	0.0177 J	88	70-130	
2,4-D	0.0200	0.0187 J	93	70-130	
Silvex (2,4,5-TP)	0.00500	0.00474 J	95	70-130	
Silvex (2,4,5-TP)	0.00500	0.00470 J	94	70-130	

Column to be used to flag recovery and RPD values

FORM III 8151/DOD

FORM III
GC SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low Lab File ID: P1000042.D

Lab ID: MRL 240-70766/42 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
2,4-D	0.0200	0.0218 J	109	70-130	
2,4-D	0.0200	0.0217 J	109	70-130	
Silvex (2,4,5-TP)	0.00500	0.00550 J	110	70-130	
Silvex (2,4,5-TP)	0.00500	0.00530 J	106	70-130	

Column to be used to flag recovery and RPD values

FORM III 8151/DOD

FORM III
GC SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Solid (TCLP) Level: Low Lab File ID: P1000030.D

Lab ID: 240-18735-5 MS Client ID: 070-0058-0001-IDW MS

COMPOUND	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC	QC LIMITS REC	#
2,4-D	0.0200	0.00025 U	0.0148 J	74	54-114	
Silvex (2,4,5-TP)	0.00500	0.00010 U	0.00429 J	86	52-124	

Column to be used to flag recovery and RPD values

FORM III 8151/DOD

FORM IV
GC SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: MB 240-69372/21-A

Matrix: Water Date Extracted: 12/19/2012 09:51

Lab File ID:(1) P1000017.D Lab File ID:(2) P1000017.D

Date Analyzed:(1) 12/24/2012 21:11 Date Analyzed:(2) 12/24/2012 21:11

Instrument ID:(1) A2HP1 Instrument ID:(2) A2HP1

GC Column:(1) CLP-1 ID: 0.53(mm) GC Column:(2) CLP-2 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
070-0056-0001-SOURCE WATER	240-18735-3	12/24/2012 17:40	12/24/2012 17:40
070-0057-0001-SOURCE WATER	240-18735-4	12/24/2012 18:03	12/24/2012 18:03
	LCS 240-69372/22-A	12/25/2012 01:53	12/25/2012 01:53

FORM IV
GC SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: MB 240-70010/4-A

Matrix: Water Date Extracted: 12/24/2012 10:38

Lab File ID:(1) P1000032.D Lab File ID:(2) P1000032.D

Date Analyzed:(1) 01/01/2013 01:27 Date Analyzed:(2) 01/01/2013 01:27

Instrument ID:(1) A2HP1 Instrument ID:(2) A2HP1

GC Column:(1) CLP-1 ID: 0.53(mm) GC Column:(2) CLP-2 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
070-0058-0001-IDW	240-18735-5	01/01/2013 00:17	01/01/2013 00:17
070-0058-0001-IDW MS	240-18735-5 MS	01/01/2013 00:41	01/01/2013 00:41
070-0059-0001-IDW	240-18735-6	01/01/2013 01:04	01/01/2013 01:04
	LCS 240-70010/5-A	01/01/2013 01:51	01/01/2013 01:51

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Sample No.: CCV 240-70037/5 Date Analyzed: 12/24/2012 16:29

Instrument ID: A2HP1 GC Column: CLP-1 ID: 0.53(mm)

Lab File ID (Standard): P1000005.D Heated Purge: (Y/N) N

Calibration ID: 12573

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				DCPA RT #		
CONTINUING CALIBRATION SURROGATE				6.97		
UPPER LIMIT				6.99		
LOWER LIMIT				6.95		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-70037/5 CCVRT		12/24/2012 16:29	P1000005.D	6.97		
240-18735-3	070-0056-0001-SOURCE WATER	12/24/2012 17:40	P1000008.D	6.97		
240-18735-4	070-0057-0001-SOURCE WATER	12/24/2012 18:03	P1000009.D	6.97		
MB 240-69372/21-A		12/24/2012 21:11	P1000017.D	6.97		
CCV 240-70037/18		12/24/2012 21:35	P1000018.D	6.97		
LCS 240-69372/22-A		12/25/2012 01:53	P1000029.D	6.97		
CCV 240-70037/30		12/25/2012 02:17	P1000030.D	6.98		

DCPA = 2,4-Dichlorophenylacetic acid

DCPA RT Limit = ± 0.02 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8151/DOD

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Sample No.: CCV 240-70037/5 Date Analyzed: 12/24/2012 16:29

Instrument ID: A2HP1 GC Column: CLP-2 ID: 0.53(mm)

Lab File ID (Standard): P1000005.D Heated Purge: (Y/N) N

Calibration ID: 12574

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				DCPA RT #		
CONTINUING CALIBRATION SURROGATE				7.61		
UPPER LIMIT				7.63		
LOWER LIMIT				7.59		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-70037/5 CCVRT		12/24/2012 16:29	P1000005.D	7.61		
240-18735-3	070-0056-0001-SOURCE WATER	12/24/2012 17:40	P1000008.D	7.61		
240-18735-4	070-0057-0001-SOURCE WATER	12/24/2012 18:03	P1000009.D	7.61		
MB 240-69372/21-A		12/24/2012 21:11	P1000017.D	7.61		
CCV 240-70037/18		12/24/2012 21:35	P1000018.D	7.61		
LCS 240-69372/22-A		12/25/2012 01:53	P1000029.D	7.61		
CCV 240-70037/30		12/25/2012 02:17	P1000030.D	7.61		

DCPA = 2,4-Dichlorophenylacetic acid

DCPA RT Limit = ± 0.02 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8151/DOD

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Sample No.: CCV 240-70766/12 Date Analyzed: 12/31/2012 17:37

Instrument ID: A2HP1 GC Column: CLP-1 ID: 0.53(mm)

Lab File ID (Standard): P1000012.D Heated Purge: (Y/N) N

Calibration ID: 12573

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				DCPA RT #		
CONTINUING CALIBRATION SURROGATE				6.96		
UPPER LIMIT				6.98		
LOWER LIMIT				6.94		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-70766/12 CCVRT		12/31/2012 17:37	P1000012.D	6.96		
CCV 240-70766/21		12/31/2012 21:09	P1000021.D	6.96		
240-18735-5	070-0058-0001-IDW	01/01/2013 00:17	P1000029.D	6.97		
240-18735-5 MS	070-0058-0001-IDW MS	01/01/2013 00:41	P1000030.D	6.97		
240-18735-6	070-0059-0001-IDW	01/01/2013 01:04	P1000031.D	6.97		
MB 240-70010/4-A		01/01/2013 01:27	P1000032.D	6.96		
LCS 240-70010/5-A		01/01/2013 01:51	P1000033.D	6.96		
CCV 240-70766/34		01/01/2013 02:14	P1000034.D	6.96		

DCPA = 2,4-Dichlorophenylacetic acid

DCPA RT Limit = ± 0.02 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8151/DOD

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Sample No.: CCV 240-70766/12 Date Analyzed: 12/31/2012 17:37

Instrument ID: A2HP1 GC Column: CLP-2 ID: 0.53(mm)

Lab File ID (Standard): P1000012.D Heated Purge: (Y/N) N

Calibration ID: 12574

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				DCPA RT #		
CONTINUING CALIBRATION SURROGATE				7.61		
UPPER LIMIT				7.63		
LOWER LIMIT				7.59		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-70766/12 CCVRT		12/31/2012 17:37	P1000012.D	7.61		
CCV 240-70766/21		12/31/2012 21:09	P1000021.D	7.61		
240-18735-5	070-0058-0001-IDW	01/01/2013 00:17	P1000029.D	7.62		
240-18735-5 MS	070-0058-0001-IDW MS	01/01/2013 00:41	P1000030.D	7.61		
240-18735-6	070-0059-0001-IDW	01/01/2013 01:04	P1000031.D	7.62		
MB 240-70010/4-A		01/01/2013 01:27	P1000032.D	7.61		
LCS 240-70010/5-A		01/01/2013 01:51	P1000033.D	7.62		
CCV 240-70766/34		01/01/2013 02:14	P1000034.D	7.62		

DCPA = 2,4-Dichlorophenylacetic acid

DCPA RT Limit = ± 0.02 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8151/DOD

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Client Sample ID: 070-0058-0001-IDW MS Lab Sample ID: 240-18735-5 MS

Instrument ID (1): A2HP1 Instrument ID (2): A2HP1

Date Analyzed (1): 01/01/2013 00:41 Date Analyzed (2): 01/01/2013 00:41

GC Column (1): CLP-1 ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
2,4-D	1		8.18	8.17	8.21	0.0164		9.8
	2		8.93	8.91	8.95	0.0148		
Silvex (2,4,5-TP)	1		9.06	9.04	9.08	0.00398		7.7
	2		9.87	9.85	9.89	0.00429		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Client Sample ID: 070-0059-0001-IDW Lab Sample ID: 240-18735-6

Instrument ID (1): A2HP1 Instrument ID (2): A2HP1

Date Analyzed (1): 01/01/2013 01:04 Date Analyzed (2): 01/01/2013 01:04

GC Column (1): CLP-1 ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
2,4-D	1		8.20	8.17	8.21	0.0020		133.8
	2		8.95	8.91	8.95	0.00039		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-69372/22-A

Instrument ID (1): A2HP1 Instrument ID (2): A2HP1

Date Analyzed (1): 12/25/2012 01:53 Date Analyzed (2): 12/25/2012 01:53

GC Column (1): CLP-1 ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Dalapon	1		1.24	1.22	1.26	13.7		20.6
	2		1.37	1.35	1.39	16.8		
Dicamba	1		7.14	7.12	7.16	17.6		5.9
	2		7.77	7.75	7.79	18.6		
MCPP	1		7.42	7.40	7.44	3860		5.1
	2		7.96	7.94	7.98	3670		
MCPA	1		7.59	7.57	7.61	3570		4.2
	2		8.21	8.19	8.23	3730		
Dichlorprop	1		7.96	7.94	7.98	43.9		9.0
	2		8.57	8.55	8.59	48.0		
2,4-D	1		8.19	8.17	8.21	36.7		3.7
	2		8.92	8.91	8.95	38.1		
Pentachlorophenol	1		8.28	8.26	8.30	6.57		8.7
	2		9.22	9.20	9.24	6.02		
Silvex (2,4,5-TP)	1		9.07	9.05	9.09	8.89		6.2
	2		9.86	9.84	9.88	9.46		
2,4,5-T	1		9.39	9.37	9.41	8.89		2.0
	2		10.34	10.32	10.36	9.06		
2,4-DB	1		10.01	9.99	10.03	35.1		1.4
	2		10.98	10.97	11.01	34.7		
Dinoseb	1		11.22	11.19	11.25	4.33		3.5
	2		11.36	11.33	11.39	4.49		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-70010/5-A

Instrument ID (1): A2HP1 Instrument ID (2): A2HP1

Date Analyzed (1): 01/01/2013 01:51 Date Analyzed (2): 01/01/2013 01:51

GC Column (1): CLP-1 ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
2,4-D	1		8.18	8.17	8.21	0.0171		10.2
	2		8.93	8.91	8.95	0.0154		
Silvex (2,4,5-TP)	1		9.06	9.04	9.08	0.00417		10.7
	2		9.87	9.85	9.89	0.00464		

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: 070-0056-0001-SOURCE | Lab Sample ID: 240-18735-3

Matrix: Water | Lab File ID: P1000008.D

Analysis Method: 8151/DOD | Date Collected: 12/12/2012 13:00

Extraction Method: 8151A | Date Extracted: 12/19/2012 09:51

Sample wt/vol: 500(mL) | Date Analyzed: 12/24/2012 17:40

Con. Extract Vol.: 100(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70037 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
94-75-7	2,4-D	0.50	U	4.0	0.50	0.41
75-99-0	Dalapon	0.20	U	2.0	0.20	0.17
94-82-6	2,4-DB	1.0	U	4.0	1.0	0.69
1918-00-9	Dicamba	1.0	U	2.0	1.0	0.52
120-36-5	Dichlorprop	1.0	U	4.0	1.0	0.86
88-85-7	Dinoseb	0.20	U	0.60	0.20	0.087
94-74-6	MCPA	400	U	400	400	390
93-65-2	MCPP	400	U	400	400	400
87-86-5	Pentachlorophenol	0.040	U	0.10	0.040	0.024
93-72-1	Silvex (2,4,5-TP)	0.20	U	1.0	0.20	0.20
93-76-5	2,4,5-T	0.50	U	1.0	0.50	0.30

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	66		32-112

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000008.D		
Lims ID:	240-18735-L-3-A	Client ID:	070-0056-0001-SOURCE WATER
Inject. Date:	24-Dec-2012 17:40:00	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016161-008		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	8
Lims Batch ID:	70037	Lims Sample ID:	8
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121224-16161.b\8151_1.m		
Last Update:	26-Dec-2012 12:33:13	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1		1.238				
2		1.371				
$ 4 2,4-Dichlorophenylacetic acid						
1	6.969	6.967	0.002	19756748	0.1325	
2	7.609	7.608	0.001	9761668	0.1572	
					RPD = 17.06	
6 Dicamba						
1	7.119	7.133	-0.014	1433496	0.002320	
2	7.772	7.774	-0.002	271315	0.001061	
					RPD = 74.48	
10 MCPP						1
1		7.418				
2		7.960				
9 MCPA						1
1		7.580				
2		8.210				
7 Dichlorprop						1
1		7.950				
2		8.570				
2 2,4-D						1
1		8.190				
2		8.926				
11 Pentachlorophenol						
1		8.278				
2		9.219				
12 Silvex (2,4,5-TP)						1
1		9.064				
2		9.860				

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
1	2,4,5-T					1
1		9.380				
2		10.338				
3	2,4-DB					
1		10.010				
2		10.988				
8	Dinoseb					1
1		11.216				
2		11.365				

QC Flag Legend

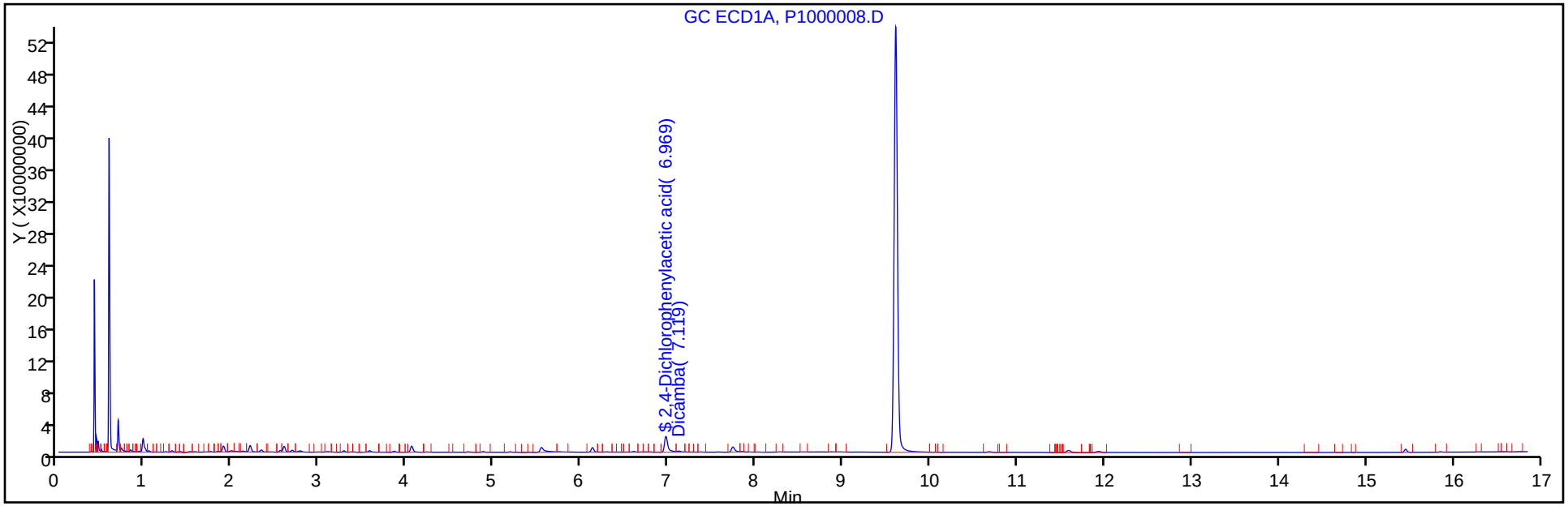
Processing Flags
1 - Missing Peaks

Report Date: 26-Dec-2012 12:33:16 Chrom Revision: 2.0 27-Nov-2012 13:14:12

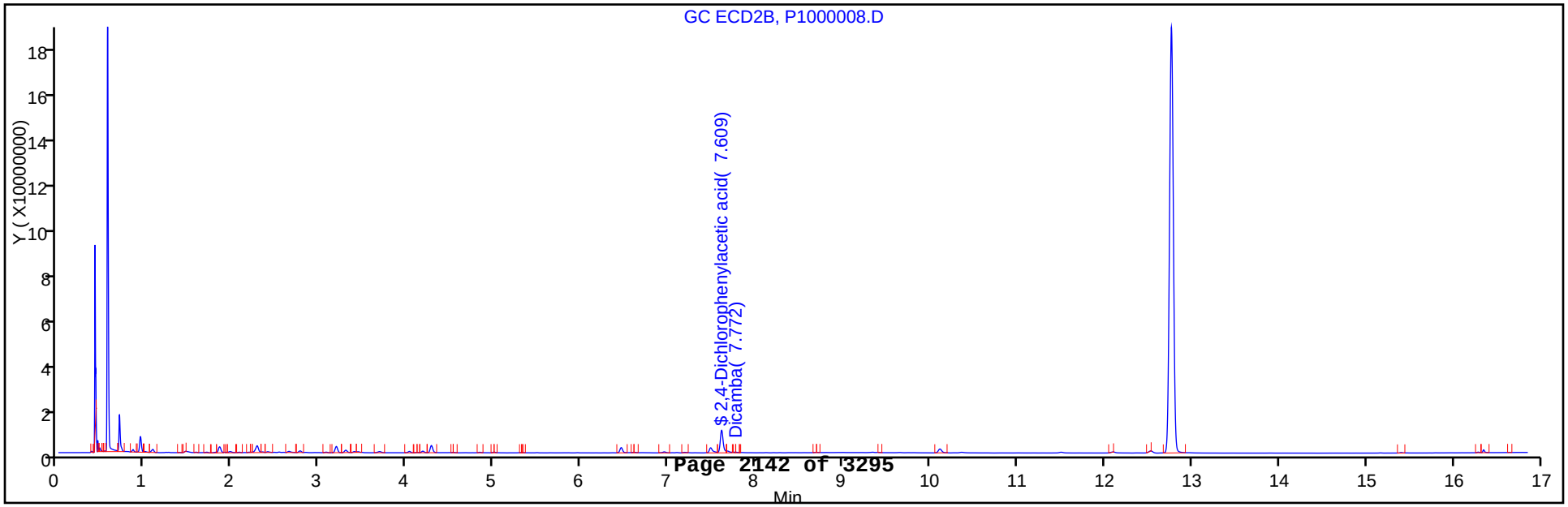
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000008.D		
Injection Date:	24-Dec-2012 17:40:00	Limit Group:	GC 8151 DOD
Client ID:	070-0056-0001-SOURCE WATER	Instrument ID:	A2HP1
Lims Batch ID:	70037	Lims Sample ID:	8
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Client Sample ID: 070-0056-0001-SOURCE Lab Sample ID: 240-18735-3

Matrix: Water Lab File ID: P1000008.D

Analysis Method: 8151/DOD Date Collected: 12/12/2012 13:00

Extraction Method: 8151A Date Extracted: 12/19/2012 09:51

Sample wt/vol: 500(mL) Date Analyzed: 12/24/2012 17:40

Con. Extract Vol.: 100(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 70037 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	79		32-112

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000008.D		
Lims ID:	240-18735-L-3-A	Client ID:	070-0056-0001-SOURCE WATER
Inject. Date:	24-Dec-2012 17:40:00	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016161-008		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	8
Lims Batch ID:	70037	Lims Sample ID:	8
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121224-16161.b\8151_1.m		
Last Update:	26-Dec-2012 12:33:13	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1		1.238				
2		1.371				
$ 4 2,4-Dichlorophenylacetic acid						
1	6.969	6.967	0.002	19756748	0.1325	
2	7.609	7.608	0.001	9761668	0.1572	
					RPD = 17.06	
6 Dicamba						
1	7.119	7.133	-0.014	1433496	0.002320	
2	7.772	7.774	-0.002	271315	0.001061	
					RPD = 74.48	
10 MCPP						1
1		7.418				
2		7.960				
9 MCPA						1
1		7.580				
2		8.210				
7 Dichlorprop						1
1		7.950				
2		8.570				
2 2,4-D						1
1		8.190				
2		8.926				
11 Pentachlorophenol						
1		8.278				
2		9.219				
12 Silvex (2,4,5-TP)						1
1		9.064				
2		9.860				

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
1	2,4,5-T					1
1		9.380				
2		10.338				
3	2,4-DB					
1		10.010				
2		10.988				
8	Dinoseb					1
1		11.216				
2		11.365				

QC Flag Legend

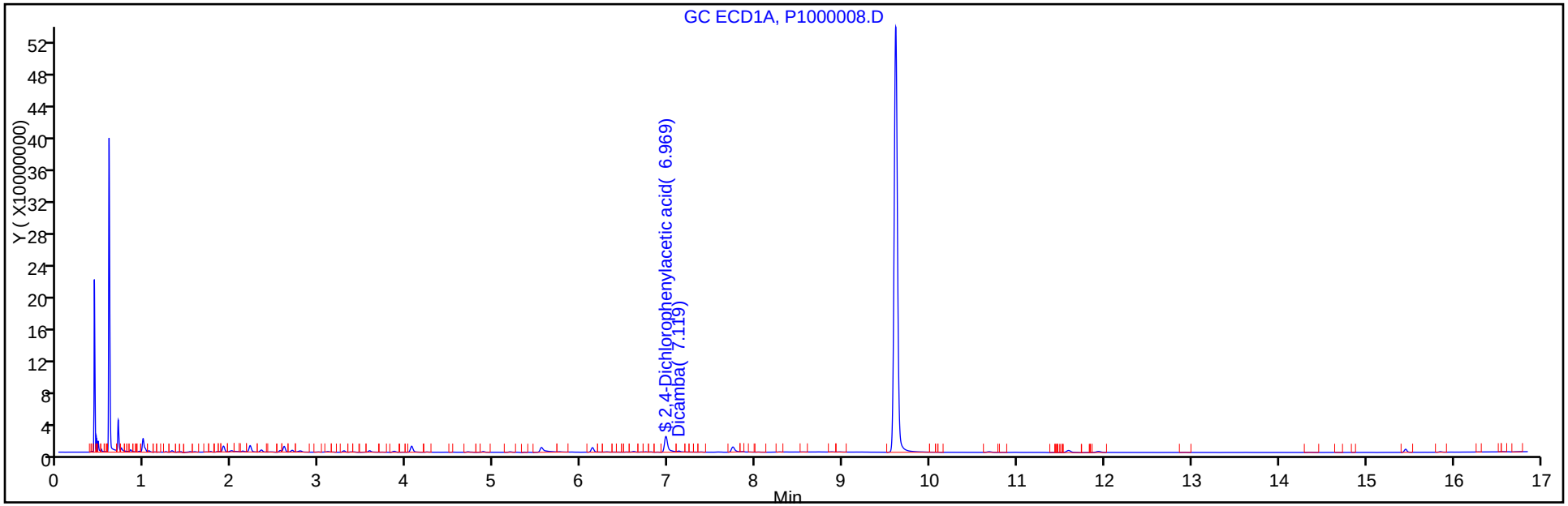
Processing Flags
1 - Missing Peaks

Report Date: 26-Dec-2012 12:33:16 Chrom Revision: 2.0 27-Nov-2012 13:14:12

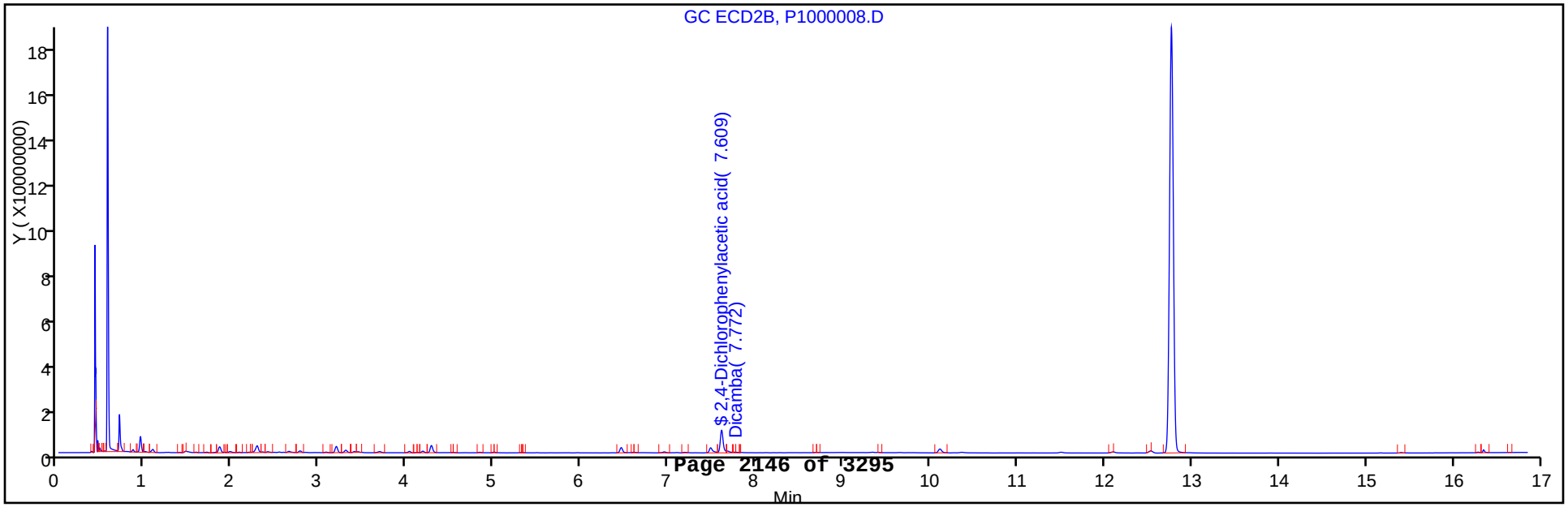
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000008.D		
Injection Date:	24-Dec-2012 17:40:00	Limit Group:	GC 8151 DOD
Client ID:	070-0056-0001-SOURCE WATER	Instrument ID:	A2HP1
Lims Batch ID:	70037	Lims Sample ID:	8
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: 070-0057-0001-SOURCE | Lab Sample ID: 240-18735-4

Matrix: Water | Lab File ID: P1000009.D

Analysis Method: 8151/DOD | Date Collected: 12/12/2012 13:15

Extraction Method: 8151A | Date Extracted: 12/19/2012 09:51

Sample wt/vol: 500(mL) | Date Analyzed: 12/24/2012 18:03

Con. Extract Vol.: 100(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70037 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
94-75-7	2,4-D	0.50	U	4.0	0.50	0.41
75-99-0	Dalapon	0.20	U	2.0	0.20	0.17
94-82-6	2,4-DB	1.0	U	4.0	1.0	0.69
1918-00-9	Dicamba	1.0	U	2.0	1.0	0.52
120-36-5	Dichlorprop	1.0	U	4.0	1.0	0.86
88-85-7	Dinoseb	0.20	U	0.60	0.20	0.087
94-74-6	MCPA	400	U	400	400	390
93-65-2	MCPP	400	U	400	400	400
87-86-5	Pentachlorophenol	0.040	U	0.10	0.040	0.024
93-72-1	Silvex (2,4,5-TP)	0.20	U	1.0	0.20	0.20
93-76-5	2,4,5-T	0.50	U	1.0	0.50	0.30

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	70		32-112

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000009.D		
Lims ID:	240-18735-J-4-A	Client ID:	070-0057-0001-SOURCE WATER
Inject. Date:	24-Dec-2012 18:03:26	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016161-009		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	9
Lims Batch ID:	70037	Lims Sample ID:	9
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121224-16161.b\8151_1.m		
Last Update:	26-Dec-2012 12:33:13	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1		1.238				
2		1.371				
$ 4 2,4-Dichlorophenylacetic acid						
1	6.969	6.967	0.002	20768544	0.1393	
2	7.607	7.608	-0.001	9870419	0.1590	
					RPD = 13.19	
6 Dicamba						1
1		7.133				
2		7.774				
10 MCPP						1
1		7.418				
2		7.960				
9 MCPA						1
1		7.580				
2		8.210				
7 Dichlorprop						
1		7.950				
2		8.570				
2 2,4-D						1
1		8.190				
2		8.926				
11 Pentachlorophenol						
1		8.278				
2		9.219				
12 Silvex (2,4,5-TP)						1
1		9.064				
2		9.860				

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
1	2,4,5-T					1
1		9.380				
2		10.338				
3	2,4-DB					1
1		10.010				
2		10.988				
8	Dinoseb					
1		11.216				
2		11.365				

QC Flag Legend

Processing Flags
1 - Missing Peaks

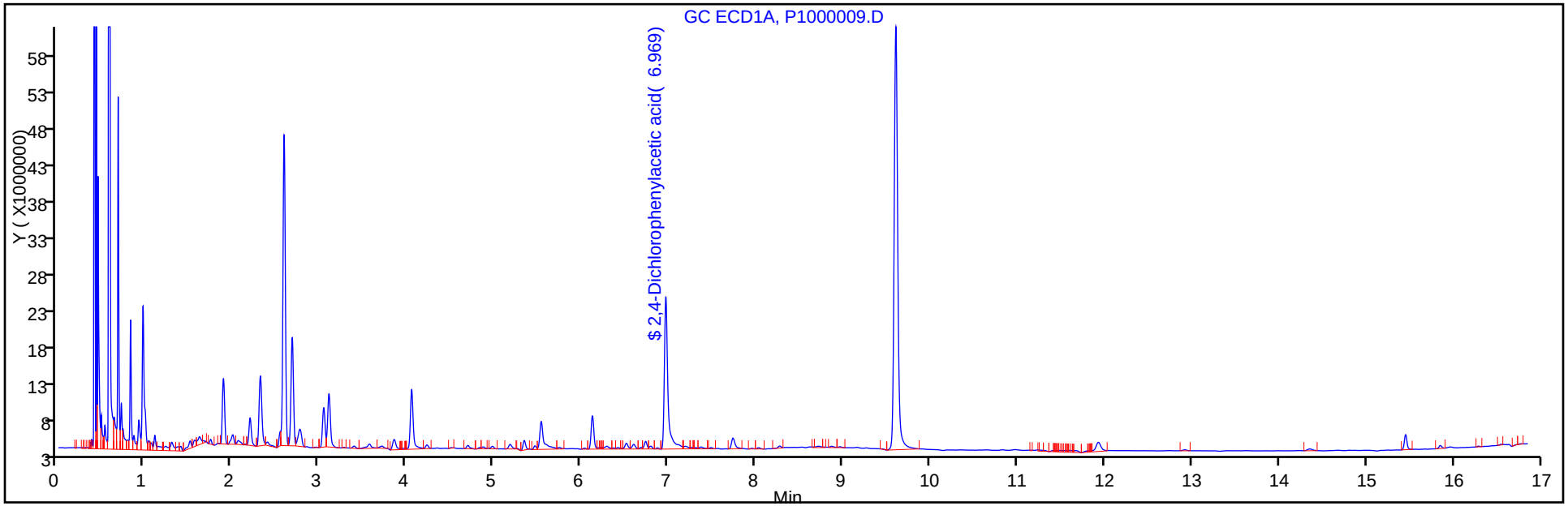
Report Date: 26-Dec-2012 12:33:17 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

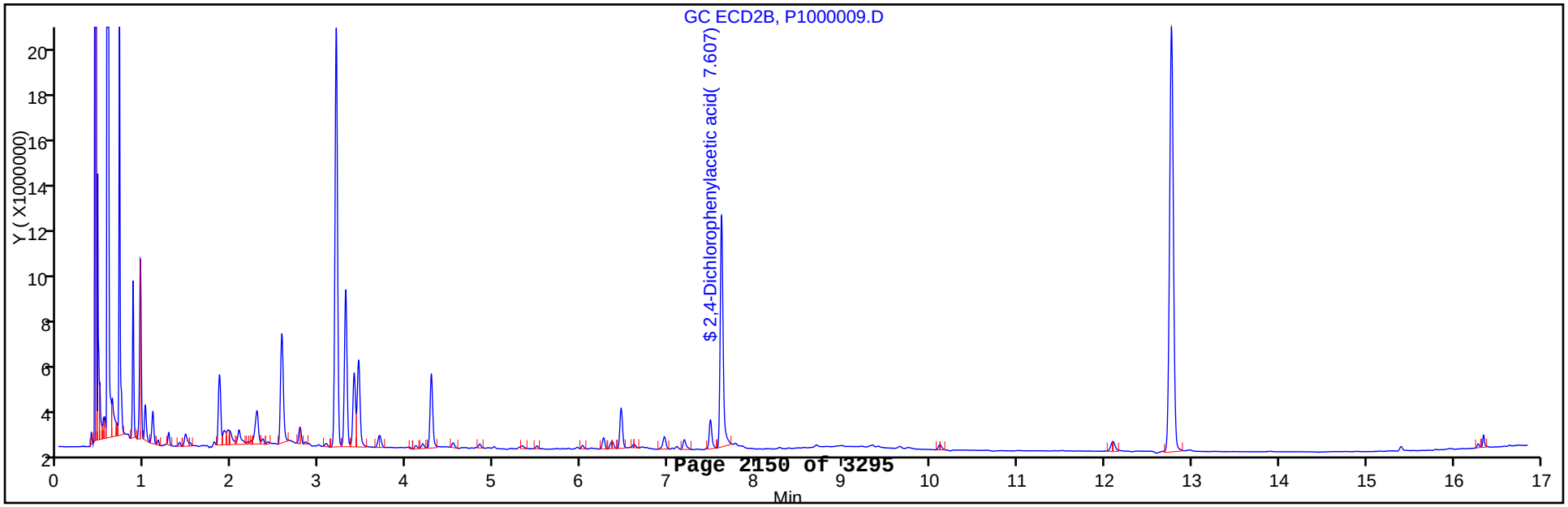
Data File: \\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000009.D

Injection Date:	24-Dec-2012 18:03:26	Limit Group:	GC 8151 DOD
Client ID:	070-0057-0001-SOURCE WATER	Instrument ID:	A2HP1
Lims Batch ID:	70037	Lims Sample ID:	9
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Client Sample ID: 070-0057-0001-SOURCE Lab Sample ID: 240-18735-4

Matrix: Water Lab File ID: P1000009.D

Analysis Method: 8151/DOD Date Collected: 12/12/2012 13:15

Extraction Method: 8151A Date Extracted: 12/19/2012 09:51

Sample wt/vol: 500(mL) Date Analyzed: 12/24/2012 18:03

Con. Extract Vol.: 100(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 70037 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	79		32-112

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000009.D		
Lims ID:	240-18735-J-4-A	Client ID:	070-0057-0001-SOURCE WATER
Inject. Date:	24-Dec-2012 18:03:26	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016161-009		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	9
Lims Batch ID:	70037	Lims Sample ID:	9
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121224-16161.b\8151_1.m		
Last Update:	26-Dec-2012 12:33:13	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1		1.238				
2		1.371				
$ 4 2,4-Dichlorophenylacetic acid						
1	6.969	6.967	0.002	20768544	0.1393	
2	7.607	7.608	-0.001	9870419	0.1590	
					RPD = 13.19	
6 Dicamba						1
1		7.133				
2		7.774				
10 MCPP						1
1		7.418				
2		7.960				
9 MCPA						1
1		7.580				
2		8.210				
7 Dichlorprop						
1		7.950				
2		8.570				
2 2,4-D						1
1		8.190				
2		8.926				
11 Pentachlorophenol						
1		8.278				
2		9.219				
12 Silvex (2,4,5-TP)						1
1		9.064				
2		9.860				

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
1	2,4,5-T					1
1		9.380				
2		10.338				
3	2,4-DB					1
1		10.010				
2		10.988				
8	Dinoseb					
1		11.216				
2		11.365				

QC Flag Legend

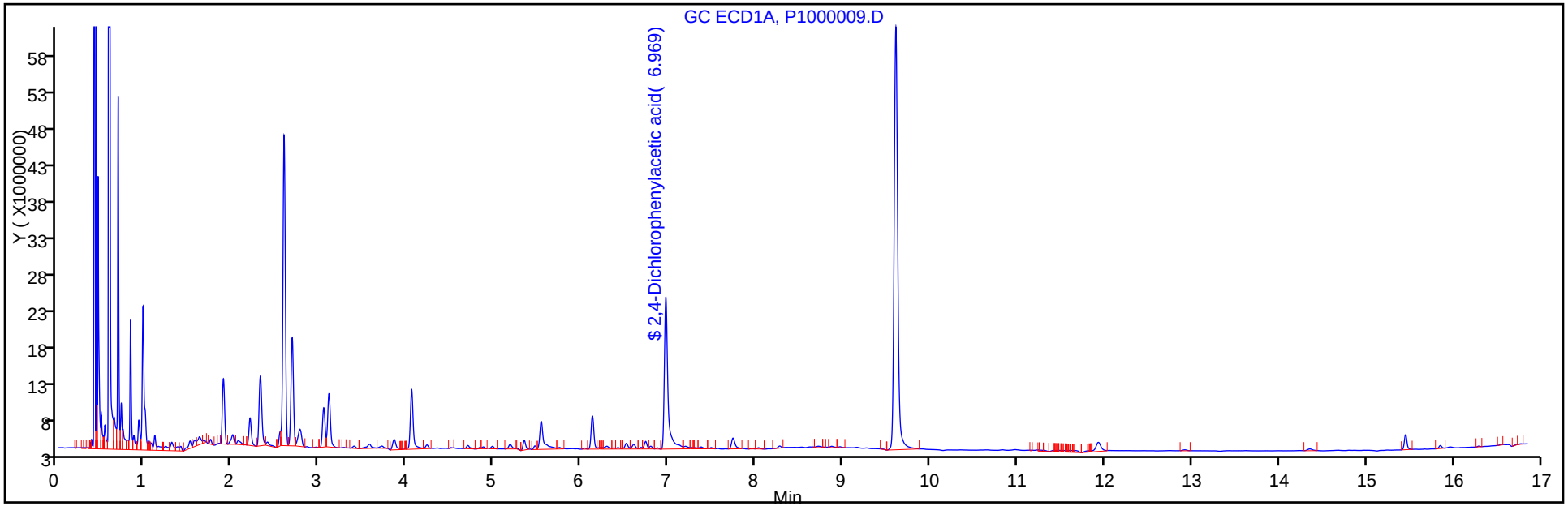
Processing Flags
1 - Missing Peaks

Report Date: 26-Dec-2012 12:33:17 Chrom Revision: 2.0 27-Nov-2012 13:14:12

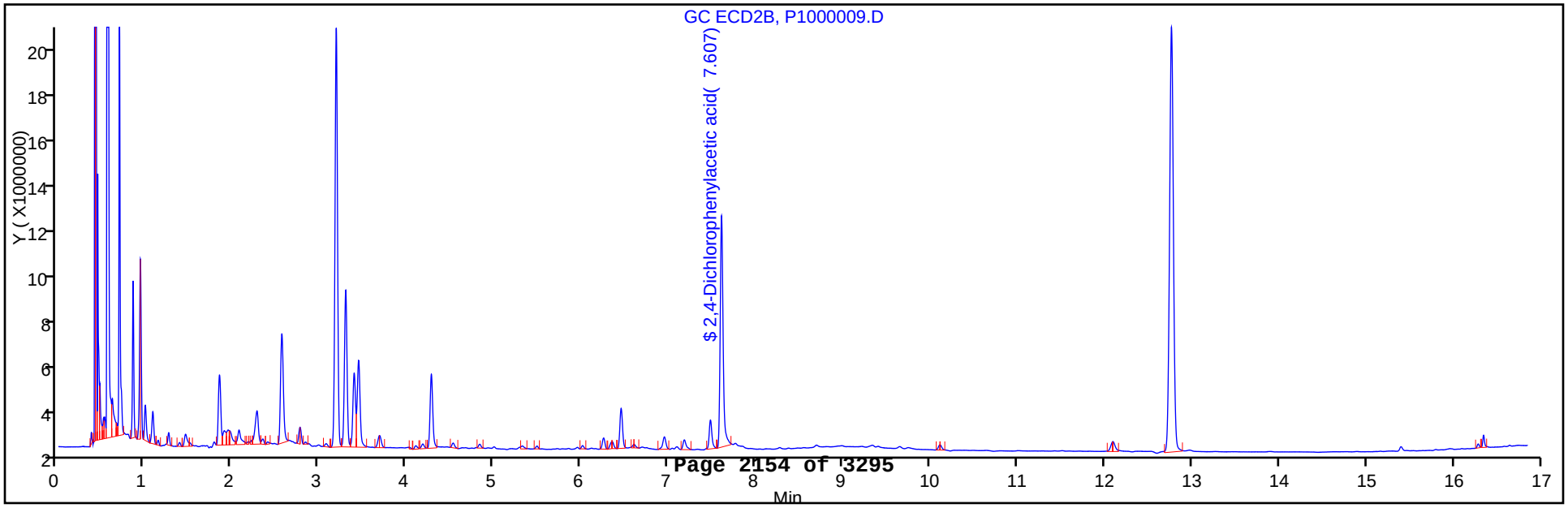
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000009.D		
Injection Date:	24-Dec-2012 18:03:26	Limit Group:	GC 8151 DOD
Client ID:	070-0057-0001-SOURCE WATER	Instrument ID:	A2HP1
Lims Batch ID:	70037	Lims Sample ID:	9
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Client Sample ID: 070-0058-0001-IDW Lab Sample ID: 240-18735-5

Matrix: Solid (TCLP) Lab File ID: P1000029.D

Analysis Method: 8151/DOD Date Collected: 12/12/2012 13:30

Extraction Method: 8151A Date Extracted: 12/24/2012 10:38

Sample wt/vol: 100(mL) Date Analyzed: 01/01/2013 00:17

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 70766 Units: mg/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	74		37-116

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000029.D
Lims ID: 240-18735-C-5-L
Client ID: 070-0058-0001-IDW
Inject. Date: 01-Jan-2013 00:17:36
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0016320-029
Misc. Info.:
Operator: 001754
Instrument ID: A2HP1
Injection Vol: 1.0 ul
ALS Bottle#: 29
Lims Batch ID: 70766
Lims Sample ID: 29
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP1\20121231-16320.b\8151_1.m
Last Update: 07-Jan-2013 13:46:48
Calib Date: 31-Dec-2012 16:50:57
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000010.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK030

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.229	1.237	-0.008	23071393	0.0504	
2	1.358	1.375	-0.017	6904885	0.0475	
					RPD = 5.95	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.966	6.961	0.005	21977374	0.1474	
2	7.616	7.613	0.003	10482163	0.1689	
					RPD = 13.55	
6 Dicamba						
1		7.127				
2		7.779				
10 MCPP						1
1		7.411				
2		7.964				
9 MCPA						
1		7.573				
2		8.216				
7 Dichlorprop						
1	7.946	7.945	0.001	3347037	0.0242	
2	8.584	8.575	0.009	417202	0.007914	
					RPD = 101.36	
2 2,4-D						
1		8.185				
2		8.933				
11 Pentachlorophenol						
1		8.274				
2		9.226				

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						
1		9.060				
2		9.869				
1 2,4,5-T						1
1		9.376				
2		10.347				
3 2,4-DB						
1		10.007				
2		10.999				
8 Dinoseb						1
1		11.206				
2		11.373				

QC Flag Legend

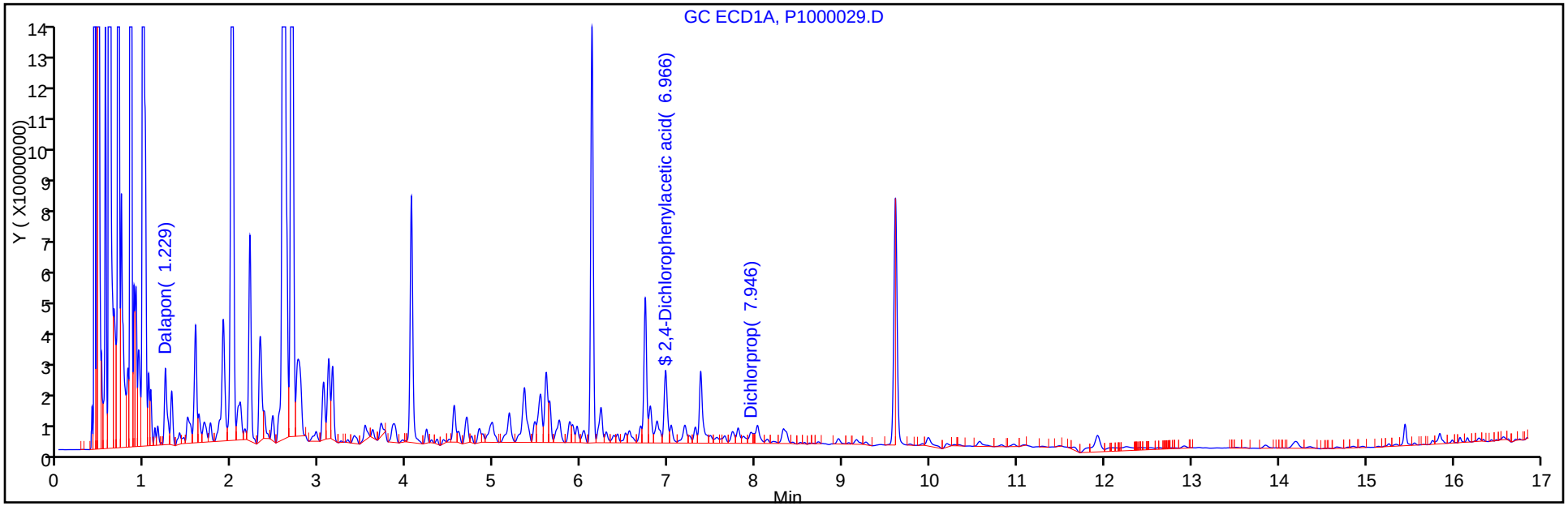
Processing Flags
1 - Missing Peaks

Report Date: 07-Jan-2013 13:46:56 Chrom Revision: 2.0 27-Nov-2012 13:14:12

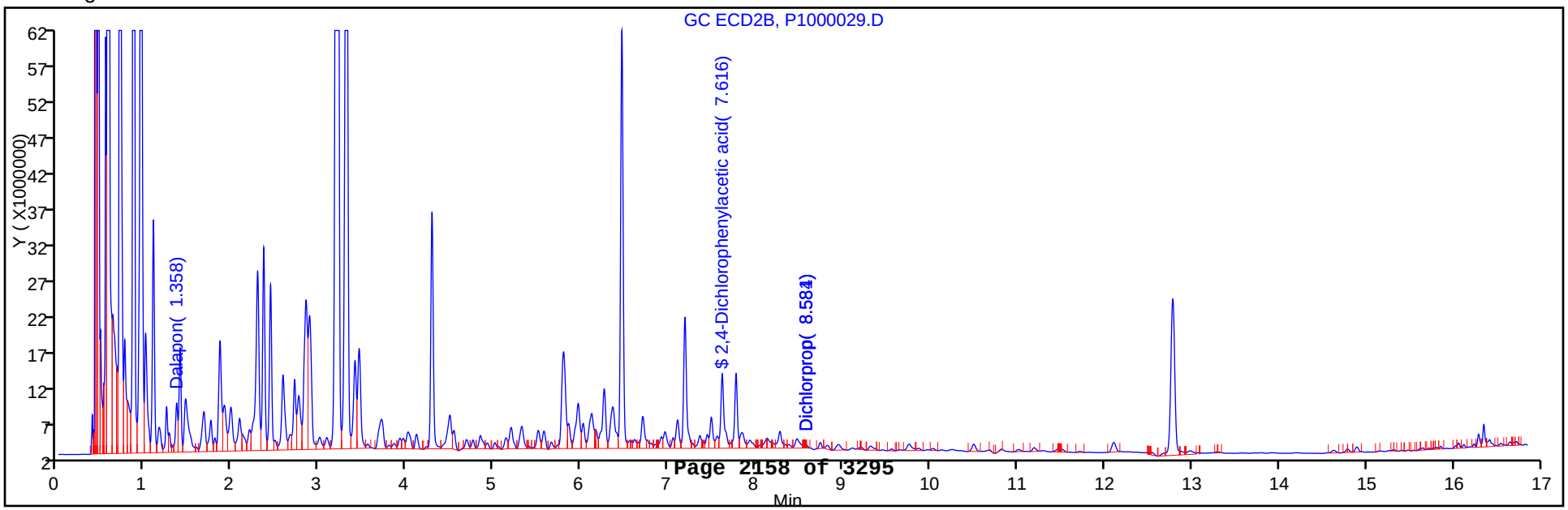
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000029.D		
Injection Date:	01-Jan-2013 00:17:36	Limit Group:	GC 8151 DOD
Client ID:	070-0058-0001-IDW	Instrument ID:	A2HP1
Lims Batch ID:	70766	Lims Sample ID:	29
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: 070-0058-0001-IDW | Lab Sample ID: 240-18735-5

Matrix: Solid (TCLP) | Lab File ID: P1000029.D

Analysis Method: 8151/DOD | Date Collected: 12/12/2012 13:30

Extraction Method: 8151A | Date Extracted: 12/24/2012 10:38

Sample wt/vol: 100(mL) | Date Analyzed: 01/01/2013 00:17

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70766 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
94-75-7	2,4-D	0.00025	U	0.25	0.00025	0.00021
93-72-1	Silvex (2,4,5-TP)	0.00010	U	0.050	0.00010	0.00010

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	84		37-116

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000029.D		
Lims ID:	240-18735-C-5-L	Client ID:	070-0058-0001-IDW
Inject. Date:	01-Jan-2013 00:17:36	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016320-029		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	29
Lims Batch ID:	70766	Lims Sample ID:	29
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\8151_1.m		
Last Update:	07-Jan-2013 13:46:48	Calib Date:	31-Dec-2012 16:50:57
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000010.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK030		

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.229	1.237	-0.008	23071393	0.0504	
2	1.358	1.375	-0.017	6904885	0.0475	
					RPD = 5.95	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.966	6.961	0.005	21977374	0.1474	
2	7.616	7.613	0.003	10482163	0.1689	
					RPD = 13.55	
6 Dicamba						
1		7.127				
2		7.779				
10 MCPP						1
1		7.411				
2		7.964				
9 MCPA						
1		7.573				
2		8.216				
7 Dichlorprop						
1	7.946	7.945	0.001	3347037	0.0242	
2	8.584	8.575	0.009	417202	0.007914	
					RPD = 101.36	
2 2,4-D						
1		8.185				
2		8.933				
11 Pentachlorophenol						
1		8.274				
2		9.226				

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12	Silvex (2,4,5-TP)					
1		9.060				
2		9.869				
1	2,4,5-T					1
1		9.376				
2		10.347				
3	2,4-DB					
1		10.007				
2		10.999				
8	Dinoseb					1
1		11.206				
2		11.373				

QC Flag Legend

Processing Flags
1 - Missing Peaks

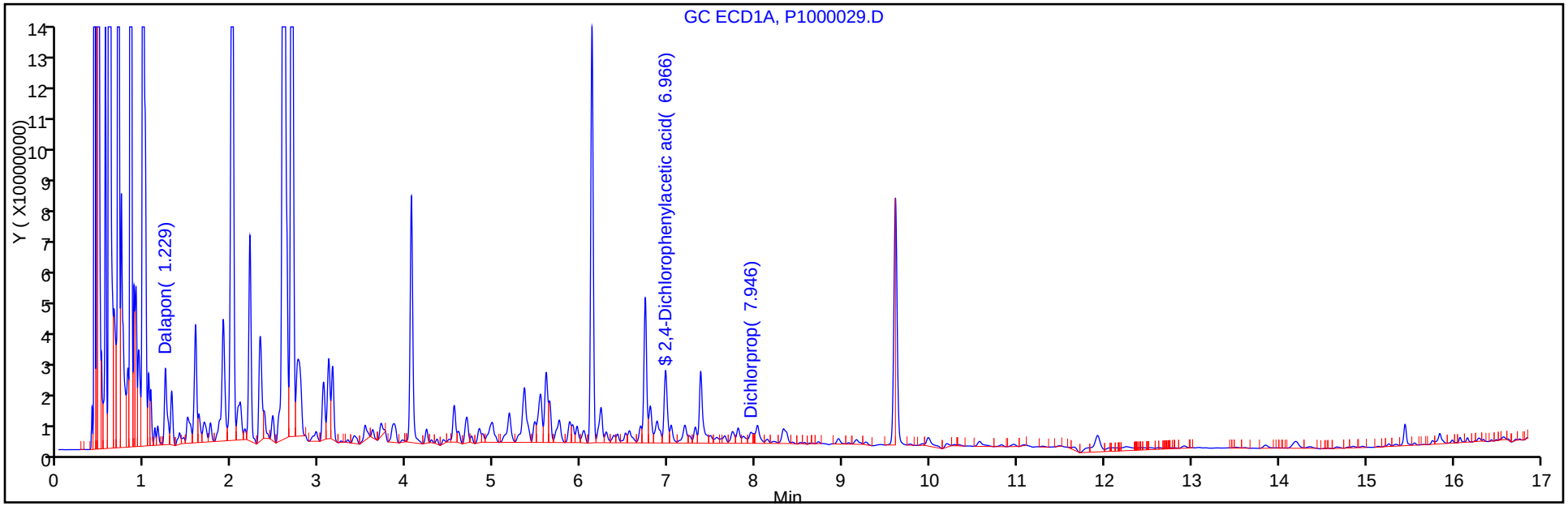
Report Date: 07-Jan-2013 13:46:56 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

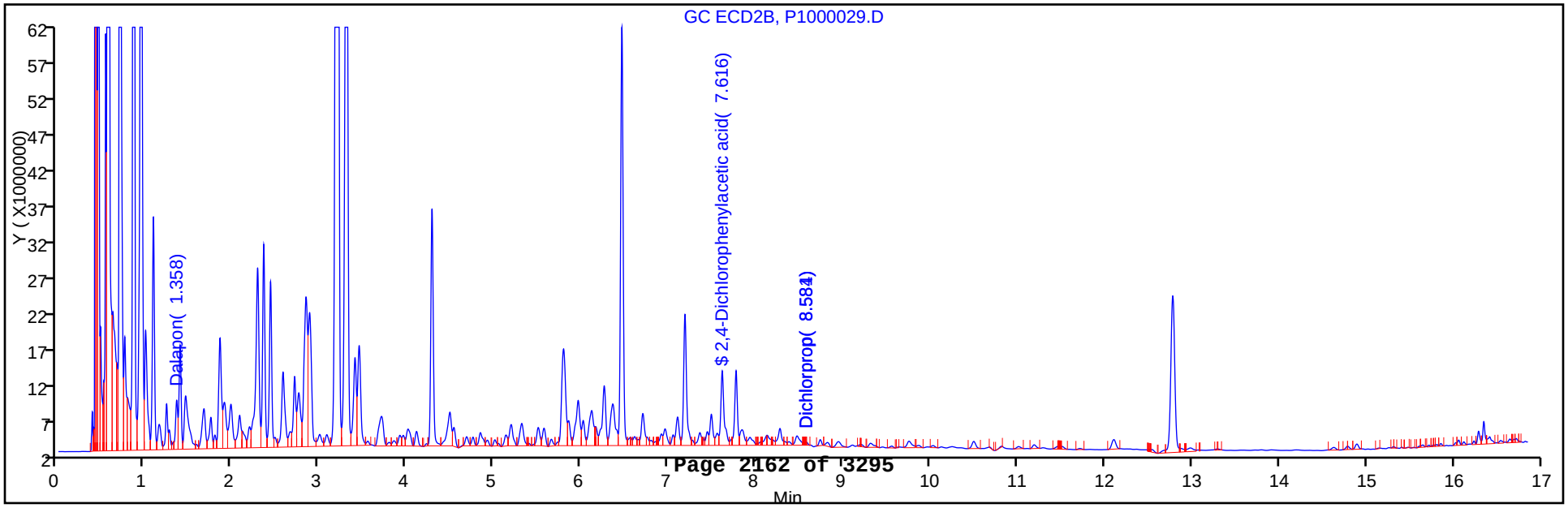
Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000029.D

Injection Date:	01-Jan-2013 00:17:36	Limit Group:	GC 8151 DOD
Client ID:	070-0058-0001-IDW	Instrument ID:	A2HP1
Lims Batch ID:	70766	Lims Sample ID:	29
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Client Sample ID: 070-0059-0001-IDW Lab Sample ID: 240-18735-6

Matrix: Water (TCLP) Lab File ID: P1000031.D

Analysis Method: 8151/DOD Date Collected: 12/12/2012 13:30

Extraction Method: 8151A Date Extracted: 12/24/2012 10:38

Sample wt/vol: 100(mL) Date Analyzed: 01/01/2013 01:04

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 70766 Units: mg/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	66		37-116

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000031.D		
Lims ID:	240-18735-F-6-I	Client ID:	070-0059-0001-IDW
Inject. Date:	01-Jan-2013 01:04:32	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016320-031		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	31
Lims Batch ID:	70766	Lims Sample ID:	31
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\8151_1.m		
Last Update:	07-Jan-2013 13:46:48	Calib Date:	31-Dec-2012 16:50:57
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000010.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK030		

First Level Reviewer: bolgrind Date: 02-Jan-2013 09:41:08

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 4 2,4-Dichlorophenylacetic acid						
1	6.965	6.961	0.004	19751568	0.1325	
2	7.616	7.613	0.003	9548515	0.1538	
					RPD = 14.89	
2 2,4-D						
1	8.200	8.185	0.015	2945213	0.0196	
2	8.946	8.933	0.013	240511	0.003879	
					RPD = 133.82	
11 Pentachlorophenol						
1		8.274				
2		9.226				
12 Silvex (2,4,5-TP)						
1		9.060				
2		9.869				
1 2,4,5-T						
1		9.376				
2		10.347				

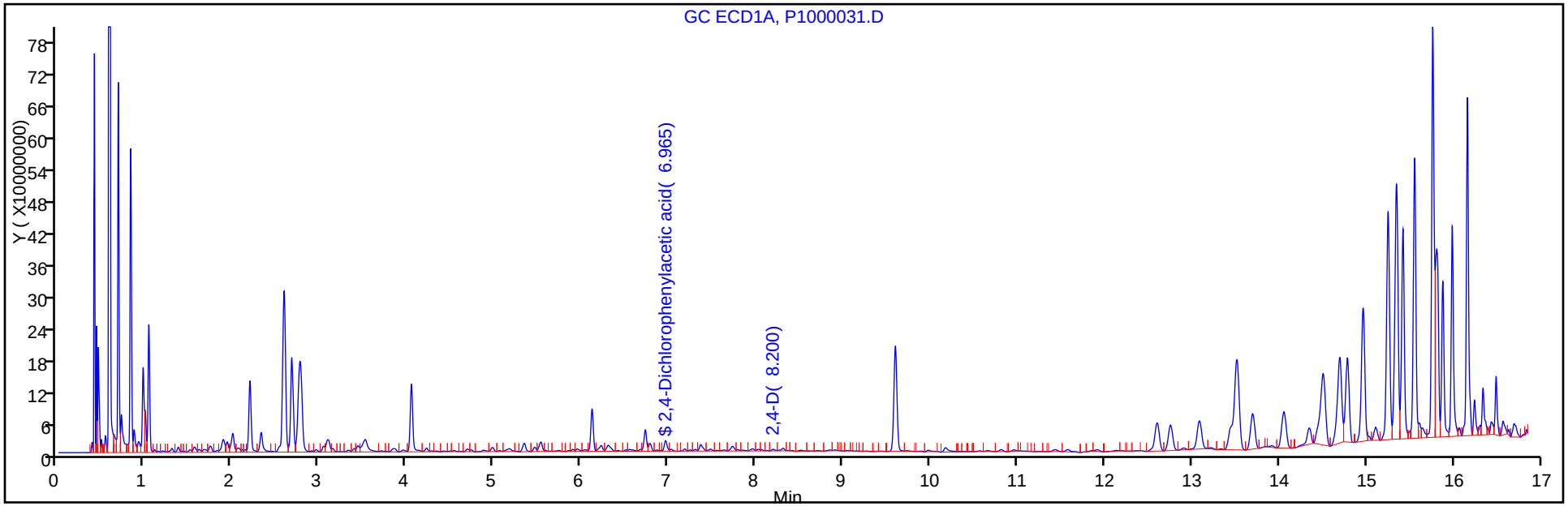
Report Date: 07-Jan-2013 13:46:58 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

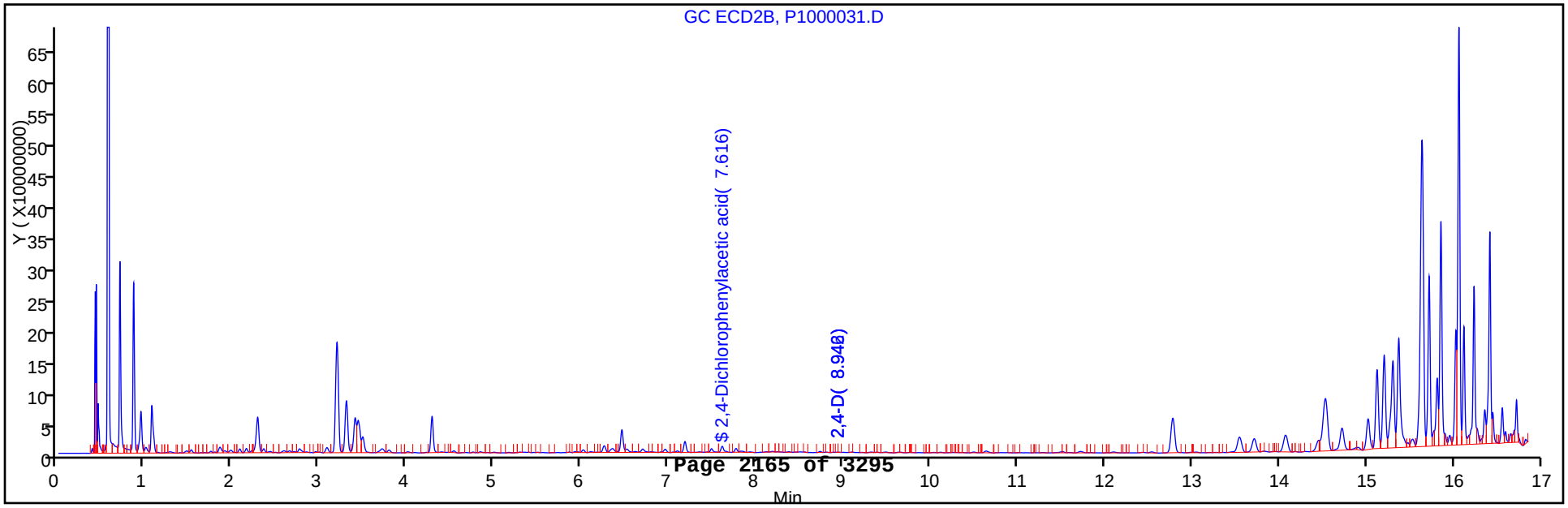
Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000031.D

Injection Date:	01-Jan-2013 01:04:32	Limit Group:	GC 8151 DOD
Client ID:	070-0059-0001-IDW	Instrument ID:	A2HP1
Lims Batch ID:	70766	Lims Sample ID:	31
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: 070-0059-0001-IDW | Lab Sample ID: 240-18735-6

Matrix: Water (TCLP) | Lab File ID: P1000031.D

Analysis Method: 8151/DOD | Date Collected: 12/12/2012 13:30

Extraction Method: 8151A | Date Extracted: 12/24/2012 10:38

Sample wt/vol: 100(mL) | Date Analyzed: 01/01/2013 01:04

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70766 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
94-75-7	2,4-D	0.00039	J	0.25	0.00025	0.00021
93-72-1	Silvex (2,4,5-TP)	0.00010	U	0.050	0.00010	0.00010

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	77		37-116

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000031.D		
Lims ID:	240-18735-F-6-I	Client ID:	070-0059-0001-IDW
Inject. Date:	01-Jan-2013 01:04:32	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016320-031		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	31
Lims Batch ID:	70766	Lims Sample ID:	31
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\8151_1.m		
Last Update:	07-Jan-2013 13:46:48	Calib Date:	31-Dec-2012 16:50:57
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000010.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK030		

First Level Reviewer: bolgrind Date: 02-Jan-2013 09:41:08

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 4 2,4-Dichlorophenylacetic acid						
1	6.965	6.961	0.004	19751568	0.1325	
2	7.616	7.613	0.003	9548515	0.1538	
					RPD = 14.89	
2 2,4-D						
1	8.200	8.185	0.015	2945213	0.0196	
2	8.946	8.933	0.013	240511	0.003879	
					RPD = 133.82	
11 Pentachlorophenol						
1		8.274				
2		9.226				
12 Silvex (2,4,5-TP)						
1		9.060				
2		9.869				
1 2,4,5-T						
1		9.376				
2		10.347				

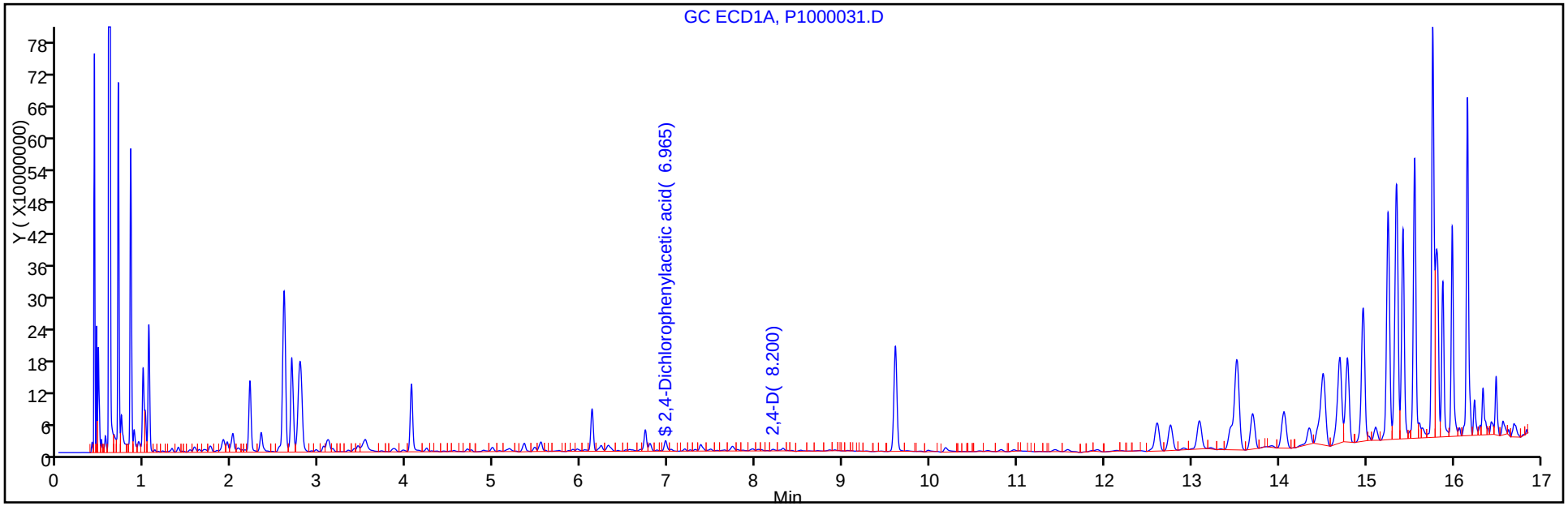
Report Date: 07-Jan-2013 13:46:59 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

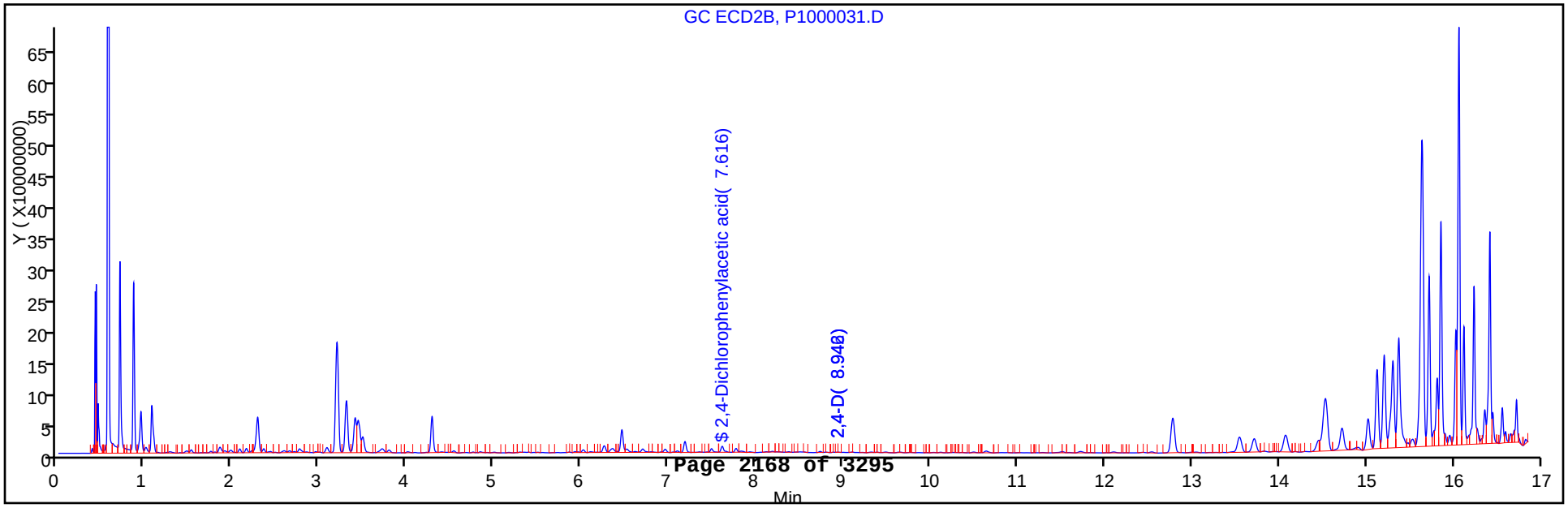
Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000031.D

Injection Date:	01-Jan-2013 01:04:32	Limit Group:	GC 8151 DOD
Client ID:	070-0059-0001-IDW	Instrument ID:	A2HP1
Lims Batch ID:	70766	Lims Sample ID:	31
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 58097

SDG No.:

Instrument ID: A2HP1 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/18/2012 13:18 Calibration End Date: 09/18/2012 15:16 Calibration ID: 11460

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-58097/10	P1000010.D
Level 2	STD 240-58097/11	P1000011.D
Level 3	STD 240-58097/12	P1000012.D
Level 4	STD 240-58097/13	P1000013.D
Level 5	STD 240-58097/14	P1000014.D
Level 6	STD 240-58097/15	P1000015.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Pentachlorophenol	8.312	8.312	8.312	8.312	8.313	8.311					8.292 - 8.332	8.312

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 58097

SDG No.:

Instrument ID: A2HP1 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/18/2012 13:18 Calibration End Date: 09/18/2012 15:16 Calibration ID: 11460

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-58097/10	P1000010.D
Level 2	STD 240-58097/11	P1000011.D
Level 3	STD 240-58097/12	P1000012.D
Level 4	STD 240-58097/13	P1000013.D
Level 5	STD 240-58097/14	P1000014.D
Level 6	STD 240-58097/15	P1000015.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Pentachlorophenol	6199692000 1836692000	1746500400 1559328288	1757540900	1942834700	Lin1	2208018.84	1628490553							0.9920		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 58097

SDG No.:

Instrument ID: A2HP1 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/18/2012 13:18 Calibration End Date: 09/18/2012 15:16 Calibration ID: 11460

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-58097/10	P1000010.D
Level 2	STD 240-58097/11	P1000011.D
Level 3	STD 240-58097/12	P1000012.D
Level 4	STD 240-58097/13	P1000013.D
Level 5	STD 240-58097/14	P1000014.D
Level 6	STD 240-58097/15	P1000015.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Pentachlorophenol	Lin1	3099846 124746263	8732502	17575409	38856694	73467680	0.000500 0.0800	0.00500	0.0100	0.0200	0.0400

Curve Type Legend:
Lin1 = Linear 1/Conc by Height

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000010.D		
Lims ID:	STD PCP1	Client ID:	
Inject. Date:	18-Sep-2012 13:18:53	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	240-0013294-010		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	10
Lims Batch ID:	58097	Lims Sample ID:	10
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\8151_1.m		
Last Update:	18-Sep-2012 19:47:11	Calib Date:	18-Sep-2012 15:16:51
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000015.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	CORP-CTX-18		

First Level Reviewer: roachc Date: 18-Sep-2012 19:40:00

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						M
1	8.312	8.312	0.000	3099846	0.000548	
2	9.273	9.274	-0.001	1067921	0.000601	M
					RPD = 9.32	

QC Flag Legend

Review Flags
M - Manually Integrated

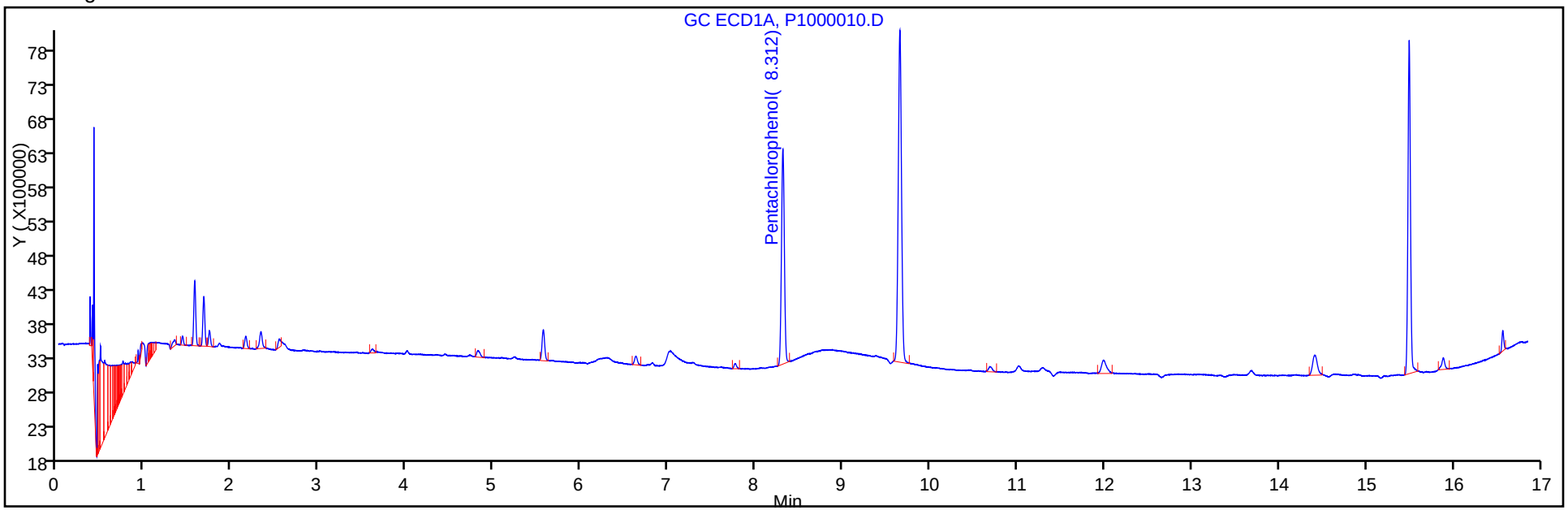
Report Date: 18-Sep-2012 19:47:12 Chrom Revision: 2.0 21-Aug-2012 09:09:58

TestAmerica Canton

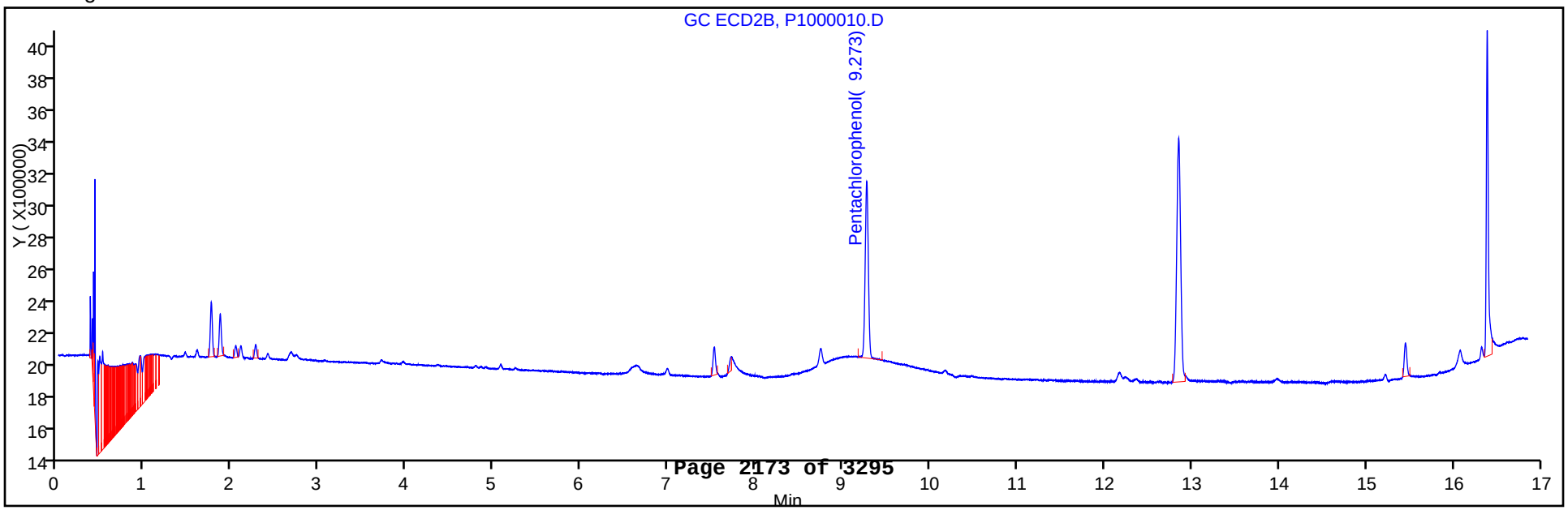
Data File: \\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000010.D

Injection Date:	18-Sep-2012 13:18:53	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	58097	Lims Sample ID:	10
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



Manual Integration/User Assign Peak Report

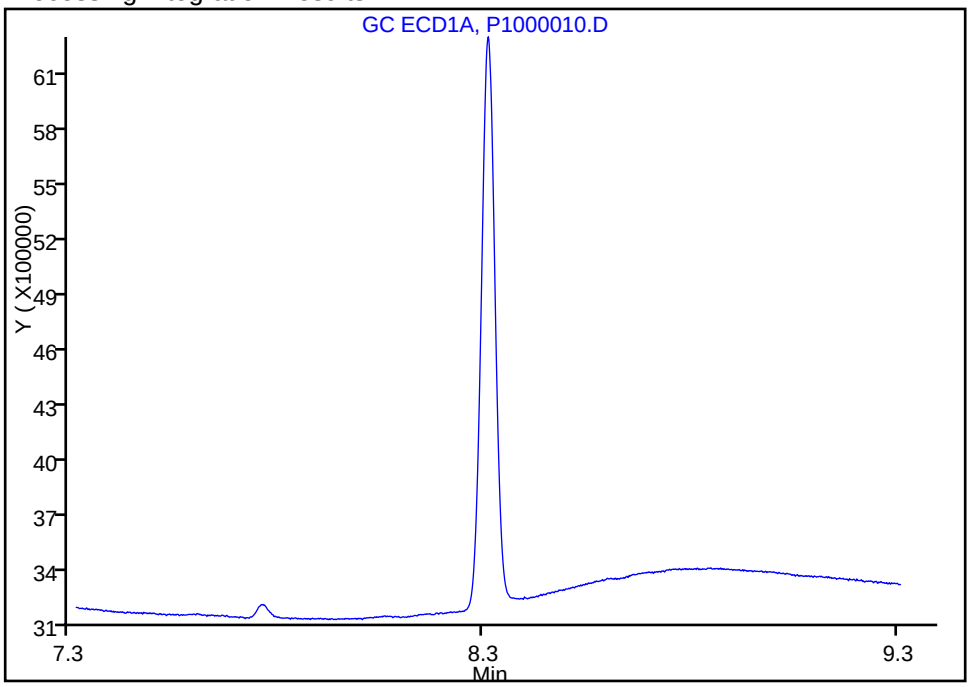
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000010.D		
Injection Date:	18-Sep-2012 13:18:53	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	58097	Lims Sample ID:	10
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

11 Pentachlorophenol, Signal: 1, Type: quant, RT: 8.31, Det: GC ECD1A

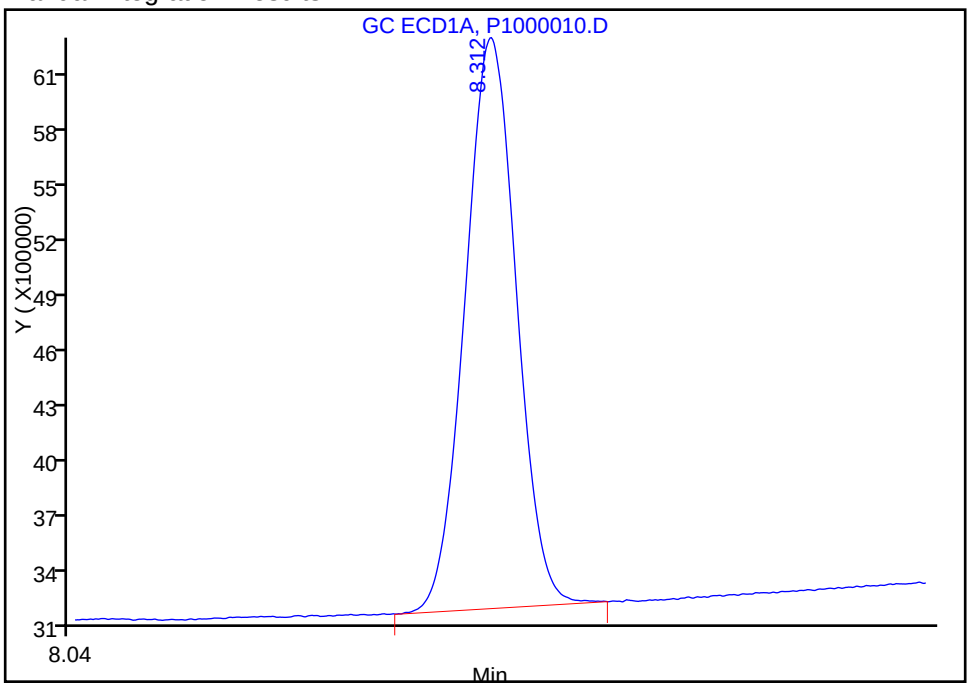
Not Detected
Expected RT: 8.31

Processing Integration Results



Manual Integration Results

RT: 8.31
Response: 3099846
Amount: 0.000548



Reviewer: roachc, 18-Sep-2012 19:40:00
Audit Action: Assigned Compound ID
Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000011.D		
Lims ID:	STD PCP2	Client ID:	
Inject. Date:	18-Sep-2012 13:42:37	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	240-0013294-011		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	11
Lims Batch ID:	58097	Lims Sample ID:	11
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\8151_1.m		
Last Update:	18-Sep-2012 19:47:12	Calib Date:	18-Sep-2012 15:16:51
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000015.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	CORP-CTX-18		

First Level Reviewer: roachc Date: 18-Sep-2012 19:40:24

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						M
1	8.312	8.312	0.000	8732502	0.004006	
2	9.273	9.274	-0.001	3415013	0.003923	M
					RPD = 2.11	

QC Flag Legend

Review Flags
M - Manually Integrated

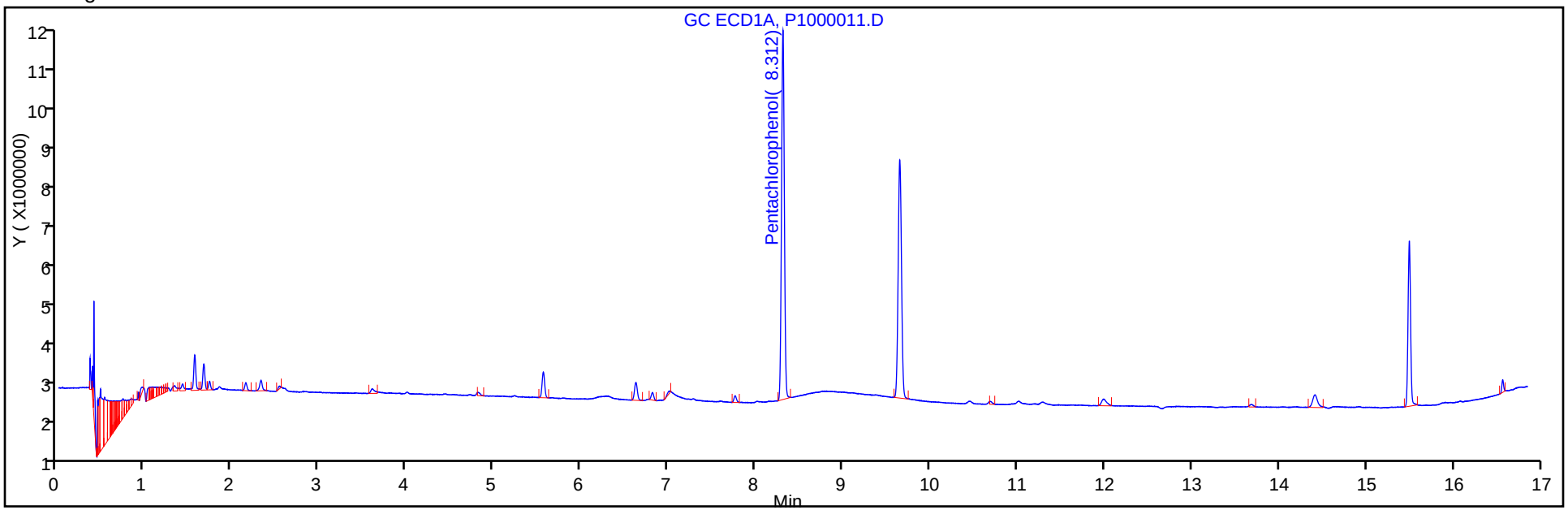
Report Date: 18-Sep-2012 19:47:13 Chrom Revision: 2.0 21-Aug-2012 09:09:58

TestAmerica Canton

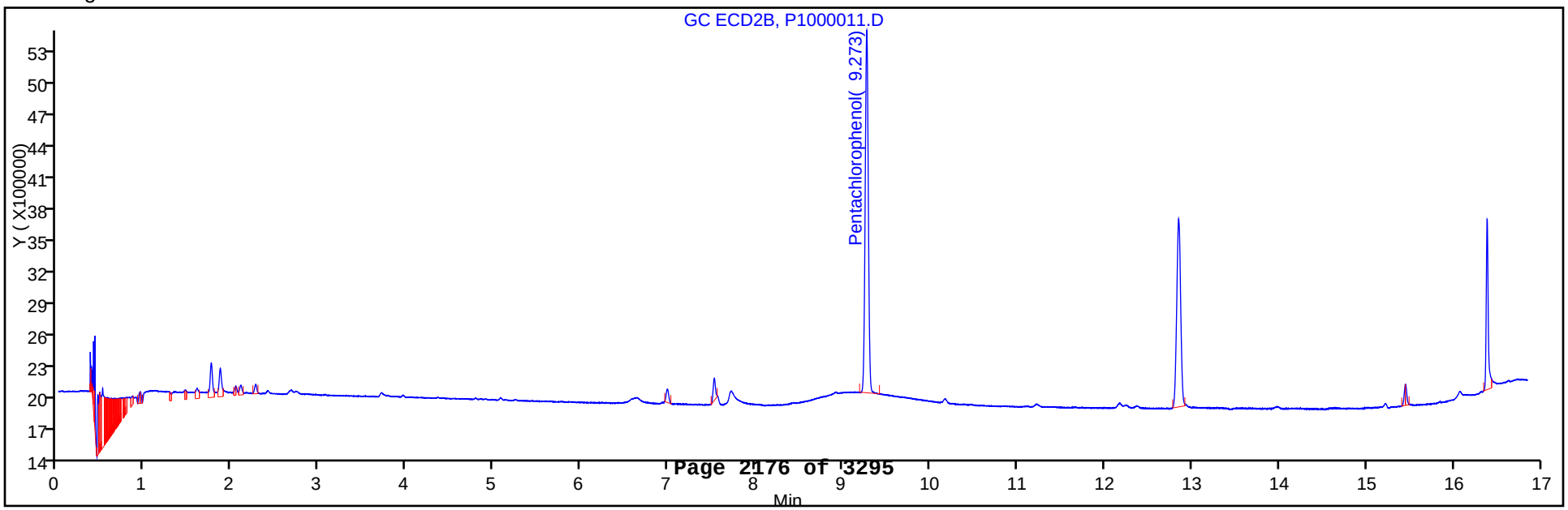
Data File: \\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000011.D

Injection Date:	18-Sep-2012 13:42:37	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	58097	Lims Sample ID:	11
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000012.D		
Lims ID:	STD PCP3	Client ID:	
Inject. Date:	18-Sep-2012 14:06:09	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	240-0013294-012		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	12
Lims Batch ID:	58097	Lims Sample ID:	12
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\8151_1.m		
Last Update:	18-Sep-2012 19:47:13	Calib Date:	18-Sep-2012 15:16:51
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000015.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	CORP-CTX-18		

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.312	8.312	0.000	17575409	0.009437	
2	9.274	9.274	0.000	6966343	0.008949	
					RPD = 5.31	

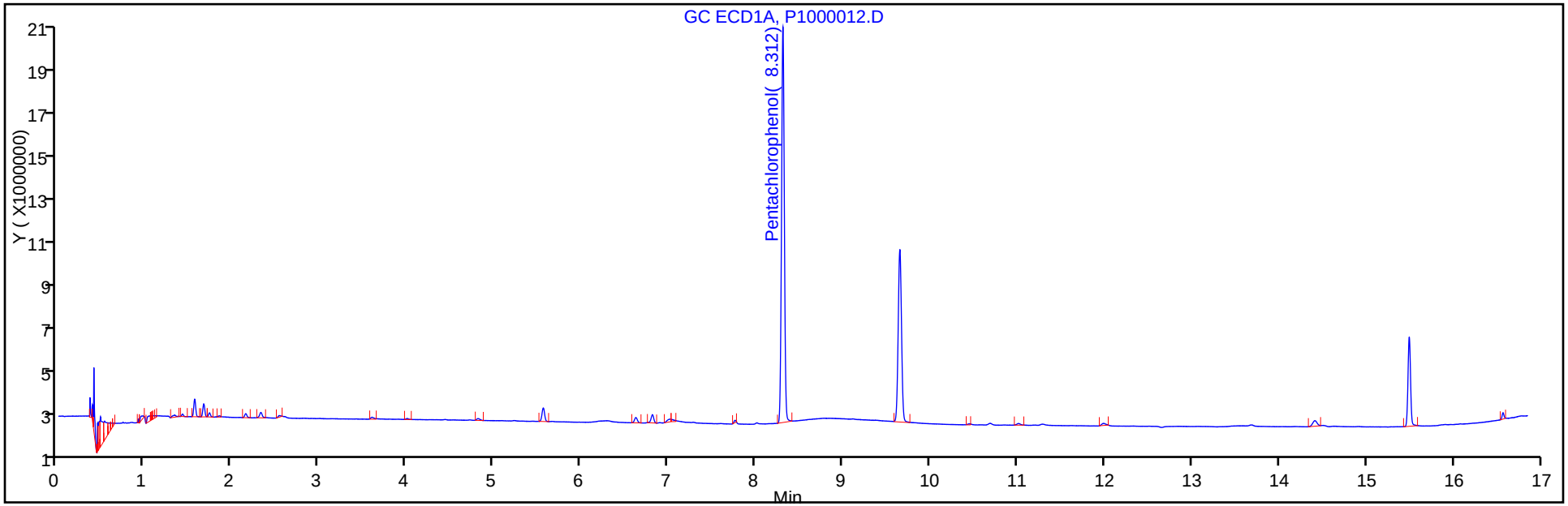
Report Date: 18-Sep-2012 19:47:14 Chrom Revision: 2.0 21-Aug-2012 09:09:58

TestAmerica Canton

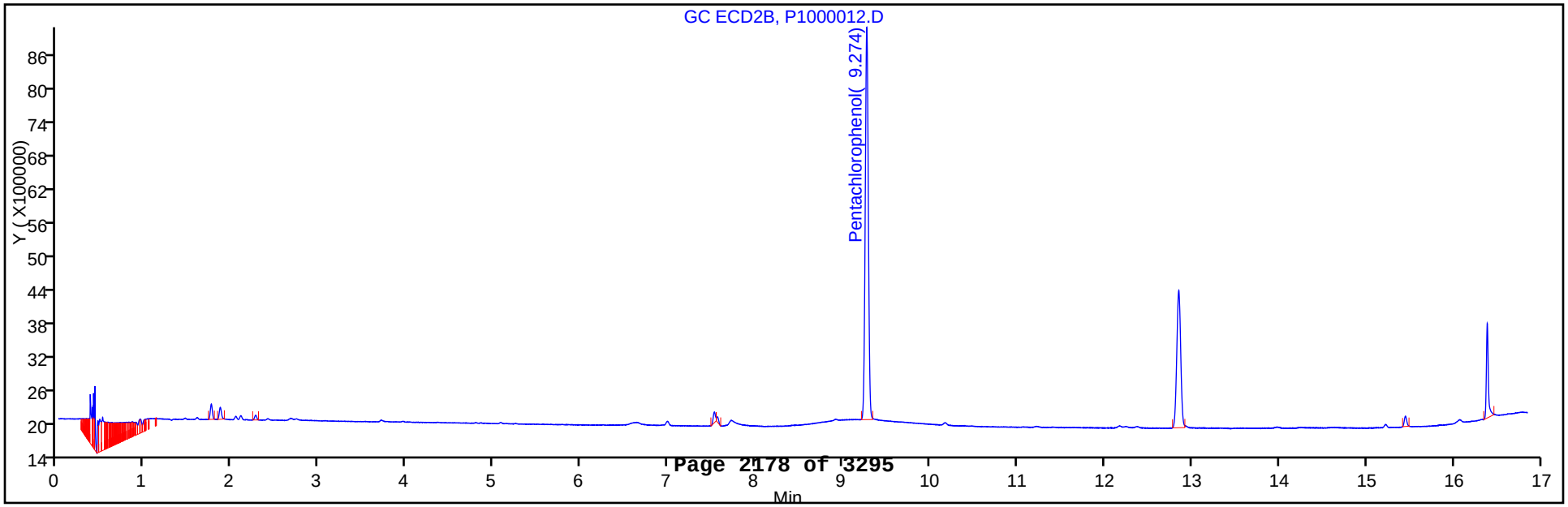
Data File: \\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000012.D

Injection Date:	18-Sep-2012 14:06:09	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	58097	Lims Sample ID:	12
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000013.D		
Lims ID:	STD PCP4	Client ID:	
Inject. Date:	18-Sep-2012 14:29:41	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	240-0013294-013		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	13
Lims Batch ID:	58097	Lims Sample ID:	13
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\8151_1.m		
Last Update:	18-Sep-2012 19:47:14	Calib Date:	18-Sep-2012 15:16:51
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000015.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	CORP-CTX-18		

First Level Reviewer: roachc Date: 18-Sep-2012 19:42:04

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.312	8.312	0.000	38856694	0.0225	
2	9.275	9.274	0.001	15675254	0.0213	
					RPD = 5.62	

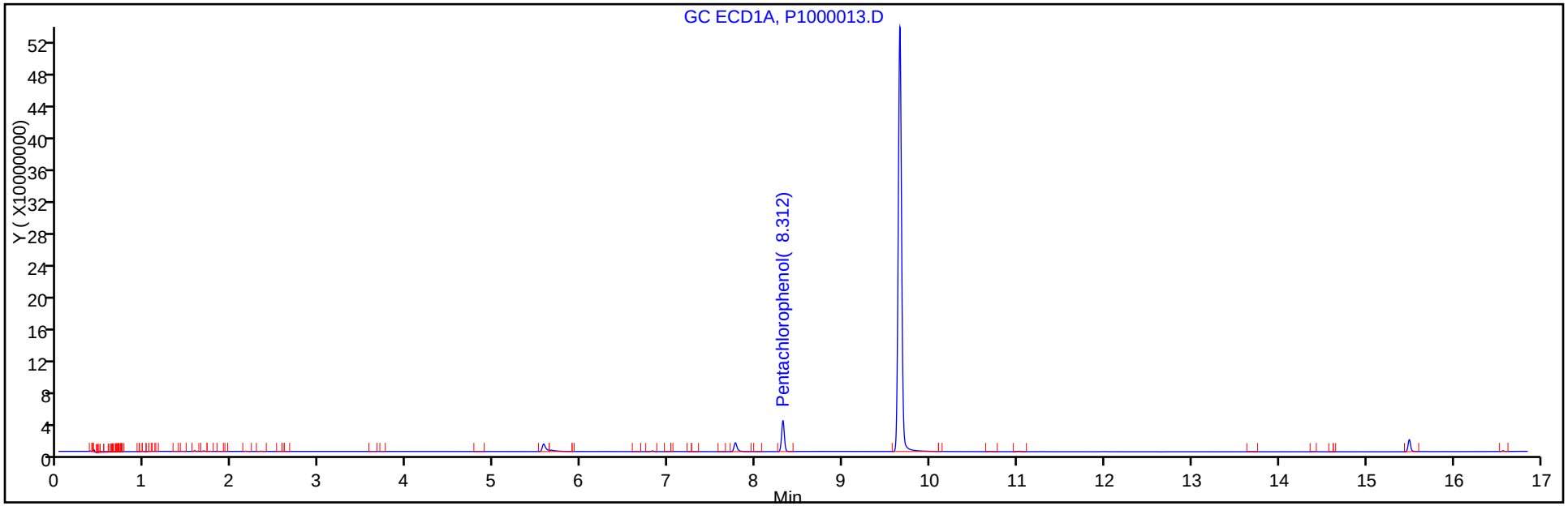
Report Date: 18-Sep-2012 19:47:15 Chrom Revision: 2.0 21-Aug-2012 09:09:58

TestAmerica Canton

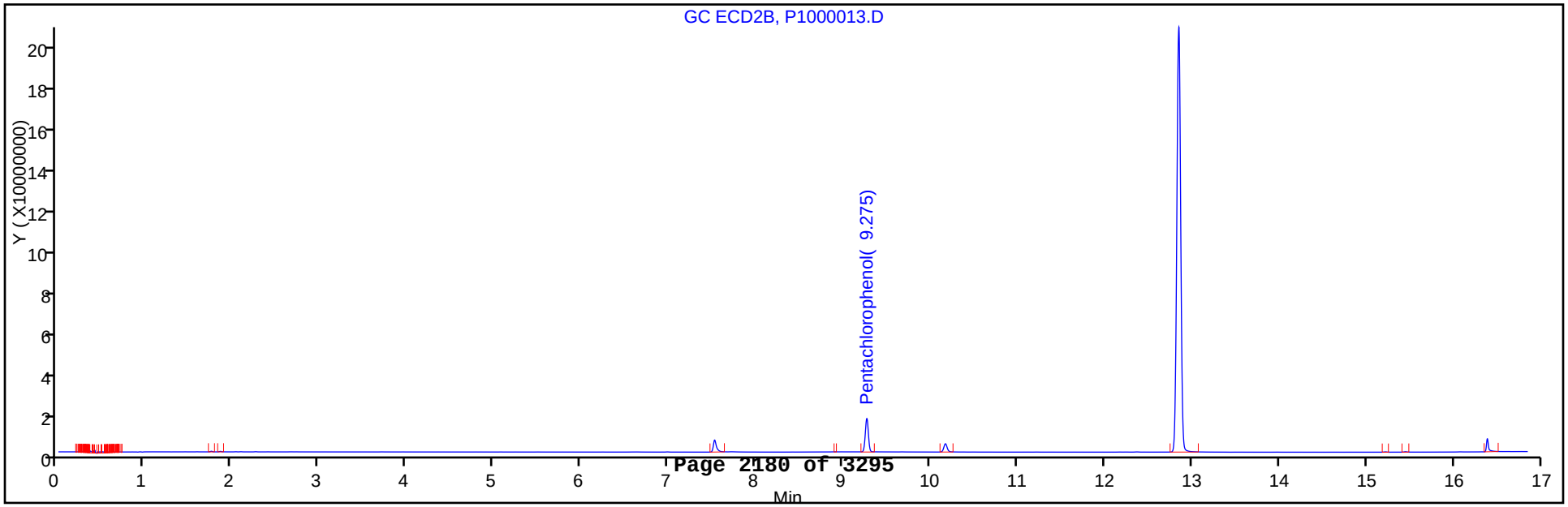
Data File: \\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000013.D

Injection Date:	18-Sep-2012 14:29:41	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	58097	Lims Sample ID:	13
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000014.D		
Lims ID:	STD PCP5	Client ID:	
Inject. Date:	18-Sep-2012 14:53:17	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	240-0013294-014		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	14
Lims Batch ID:	58097	Lims Sample ID:	14
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\8151_1.m		
Last Update:	18-Sep-2012 19:47:15	Calib Date:	18-Sep-2012 15:16:51
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000015.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	CORP-CTX-18		

First Level Reviewer: roachc Date: 18-Sep-2012 19:42:13

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.313	8.312	0.001	73467680	0.0438	
2	9.273	9.274	-0.001	31458044	0.0436	
					RPD = 0.34	

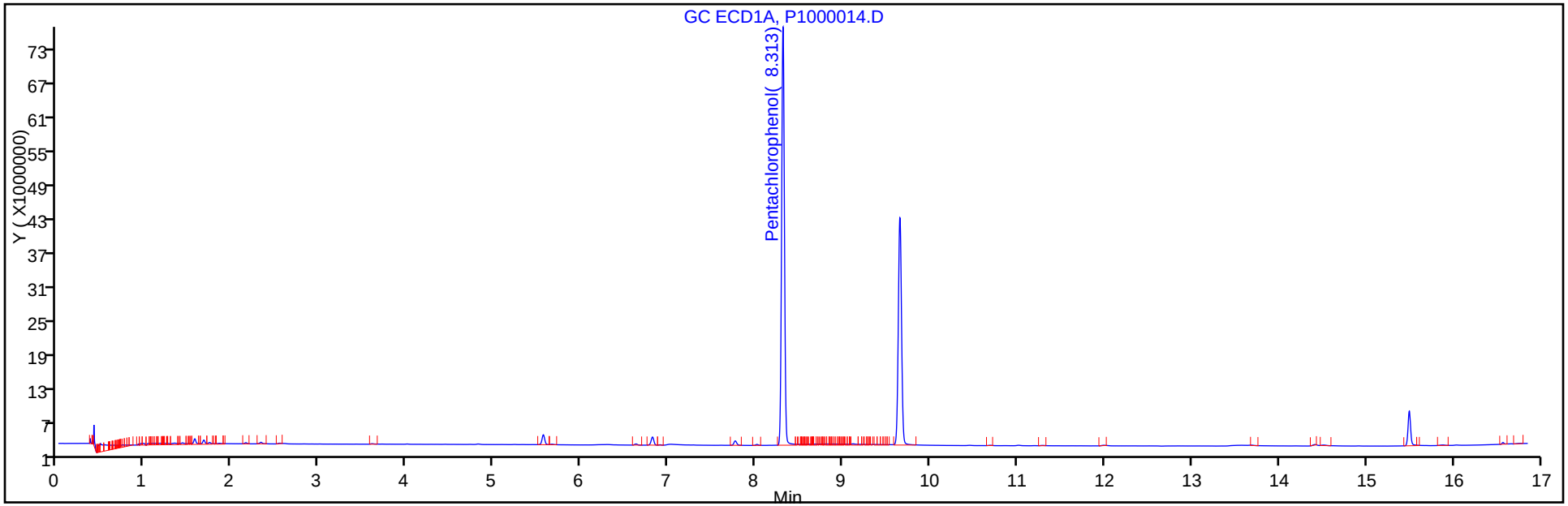
Report Date: 18-Sep-2012 19:47:16 Chrom Revision: 2.0 21-Aug-2012 09:09:58

TestAmerica Canton

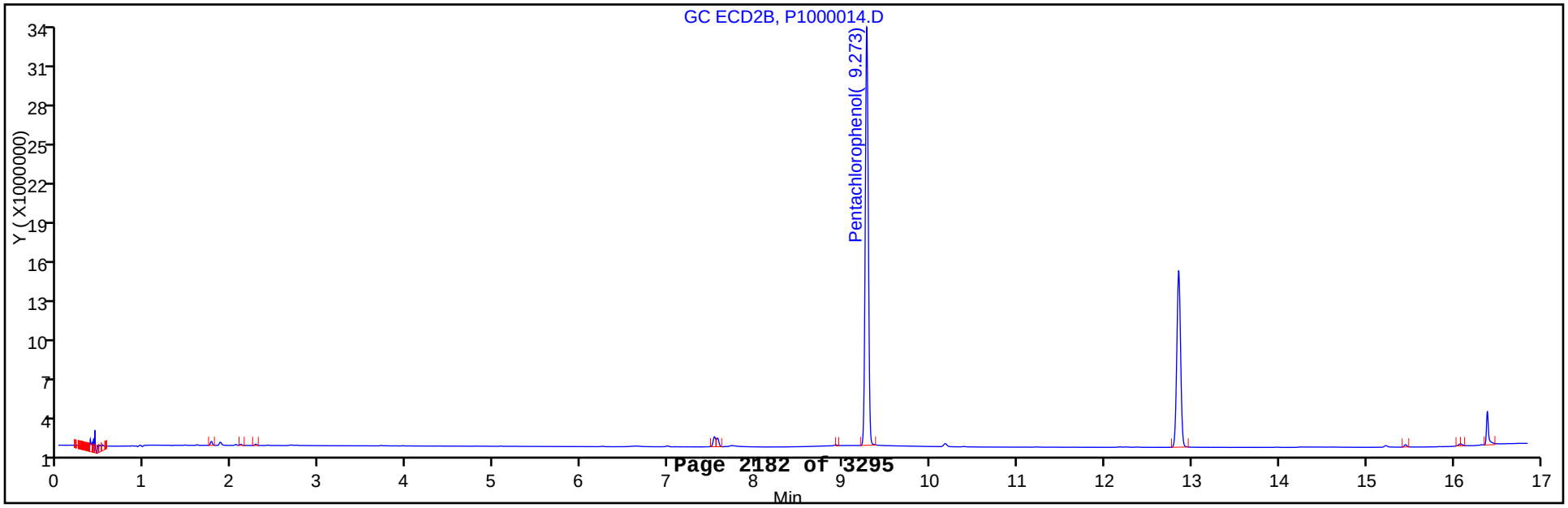
Data File: \\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000014.D

Injection Date:	18-Sep-2012 14:53:17	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	58097	Lims Sample ID:	14
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000015.D		
Lims ID:	STD PCP6	Client ID:	
Inject. Date:	18-Sep-2012 15:16:51	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	240-0013294-015		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	15
Lims Batch ID:	58097	Lims Sample ID:	15
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\8151_1.m		
Last Update:	18-Sep-2012 19:47:16	Calib Date:	18-Sep-2012 15:16:51
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000015.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	CORP-CTX-18		

First Level Reviewer: roachc Date: 18-Sep-2012 19:42:23

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.311	8.312	-0.001	124746263	0.0752	
2	9.275	9.274	0.001	55152449	0.0771	
					RPD = 2.49	

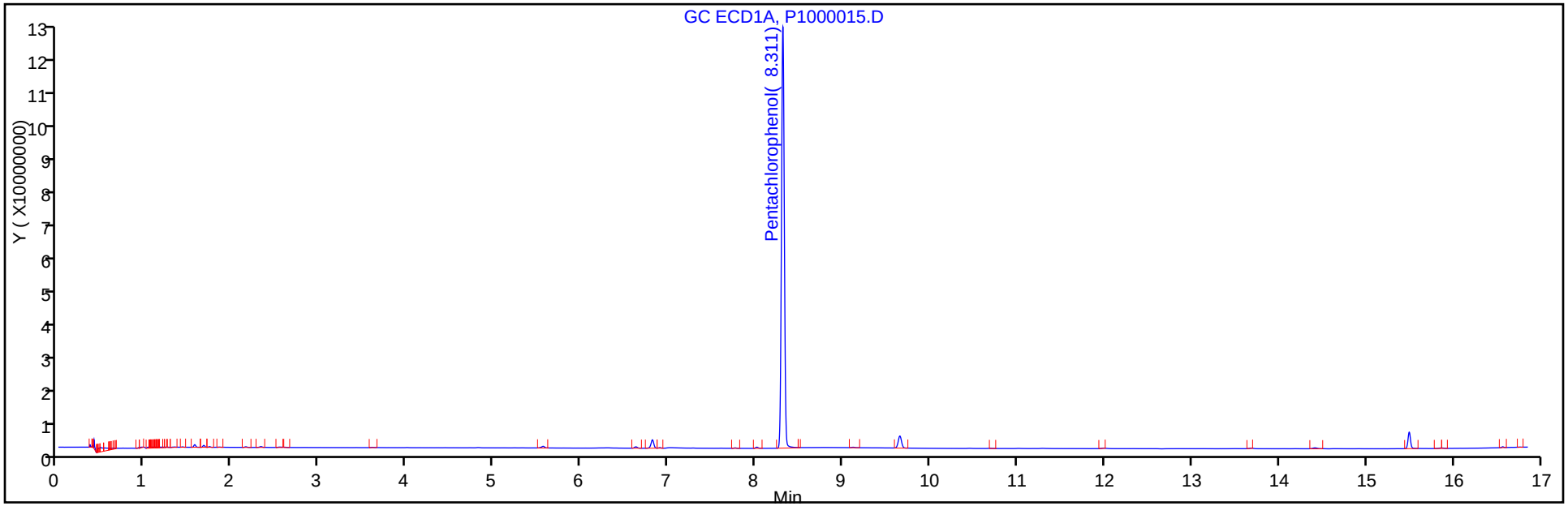
Report Date: 18-Sep-2012 19:47:16 Chrom Revision: 2.0 21-Aug-2012 09:09:58

TestAmerica Canton

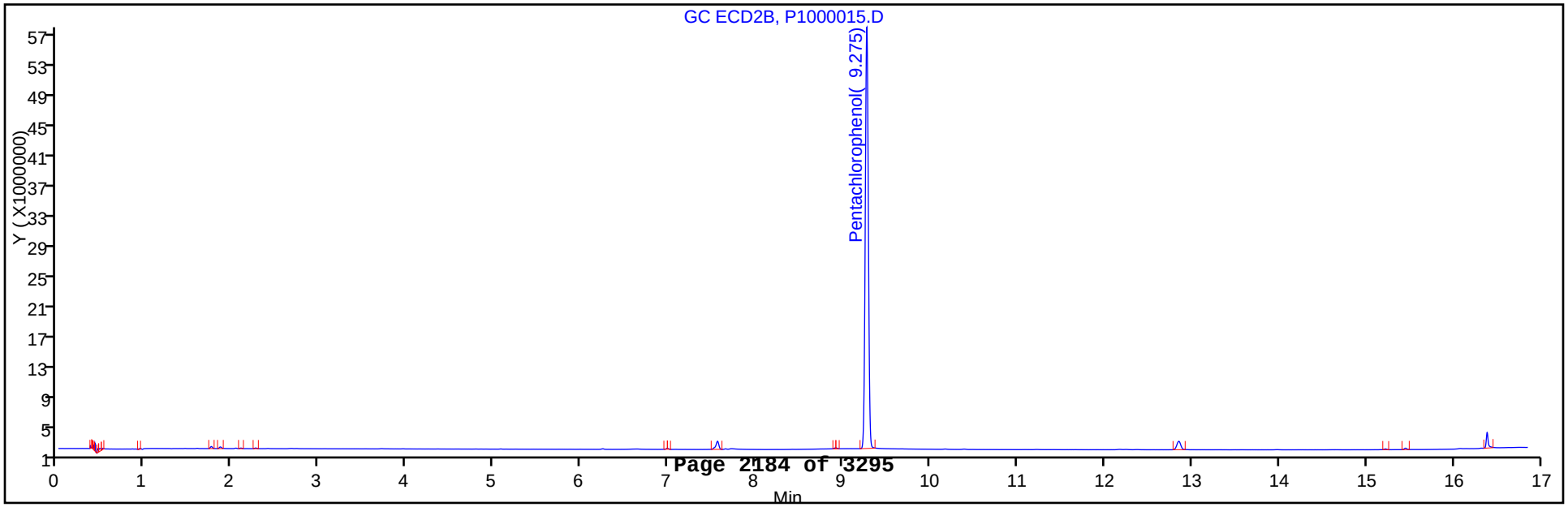
Data File: \\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000015.D

Injection Date:	18-Sep-2012 15:16:51	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	58097	Lims Sample ID:	15
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 58097

SDG No.:

Instrument ID: A2HP1 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/18/2012 13:18 Calibration End Date: 09/18/2012 15:16 Calibration ID: 11461

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-58097/10	P1000010.D
Level 2	STD 240-58097/11	P1000011.D
Level 3	STD 240-58097/12	P1000012.D
Level 4	STD 240-58097/13	P1000013.D
Level 5	STD 240-58097/14	P1000014.D
Level 6	STD 240-58097/15	P1000015.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Pentachlorophenol	9.273	9.273	9.274	9.275	9.273	9.275					9.254 - 9.294	9.274

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 58097

SDG No.:

Instrument ID: A2HP1 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/18/2012 13:18 Calibration End Date: 09/18/2012 15:16 Calibration ID: 11461

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-58097/10	P1000010.D
Level 2	STD 240-58097/11	P1000011.D
Level 3	STD 240-58097/12	P1000012.D
Level 4	STD 240-58097/13	P1000013.D
Level 5	STD 240-58097/14	P1000014.D
Level 6	STD 240-58097/15	P1000015.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Pentachlorophenol	2135842000 786451100	683002600 689405613	696634300	783762700	Lin1	643142.801	706599146							0.9940		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 58097

SDG No.:

Instrument ID: A2HP1 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/18/2012 13:18 Calibration End Date: 09/18/2012 15:16 Calibration ID: 11461

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-58097/10	P1000010.D
Level 2	STD 240-58097/11	P1000011.D
Level 3	STD 240-58097/12	P1000012.D
Level 4	STD 240-58097/13	P1000013.D
Level 5	STD 240-58097/14	P1000014.D
Level 6	STD 240-58097/15	P1000015.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Pentachlorophenol	Lin1	1067921 55152449	3415013	6966343	15675254	31458044	0.000500 0.0800	0.00500	0.0100	0.0200	0.0400

Curve Type Legend:
Lin1 = Linear 1/Conc by Height

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000010.D		
Lims ID:	STD PCP1	Client ID:	
Inject. Date:	18-Sep-2012 13:18:53	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	240-0013294-010		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	10
Lims Batch ID:	58097	Lims Sample ID:	10
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\8151_1.m		
Last Update:	18-Sep-2012 19:47:11	Calib Date:	18-Sep-2012 15:16:51
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000015.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	CORP-CTX-18		

First Level Reviewer: roachc Date: 18-Sep-2012 19:40:00

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						M
1	8.312	8.312	0.000	3099846	0.000548	
2	9.273	9.274	-0.001	1067921	0.000601	M
					RPD = 9.32	

QC Flag Legend

Review Flags
M - Manually Integrated

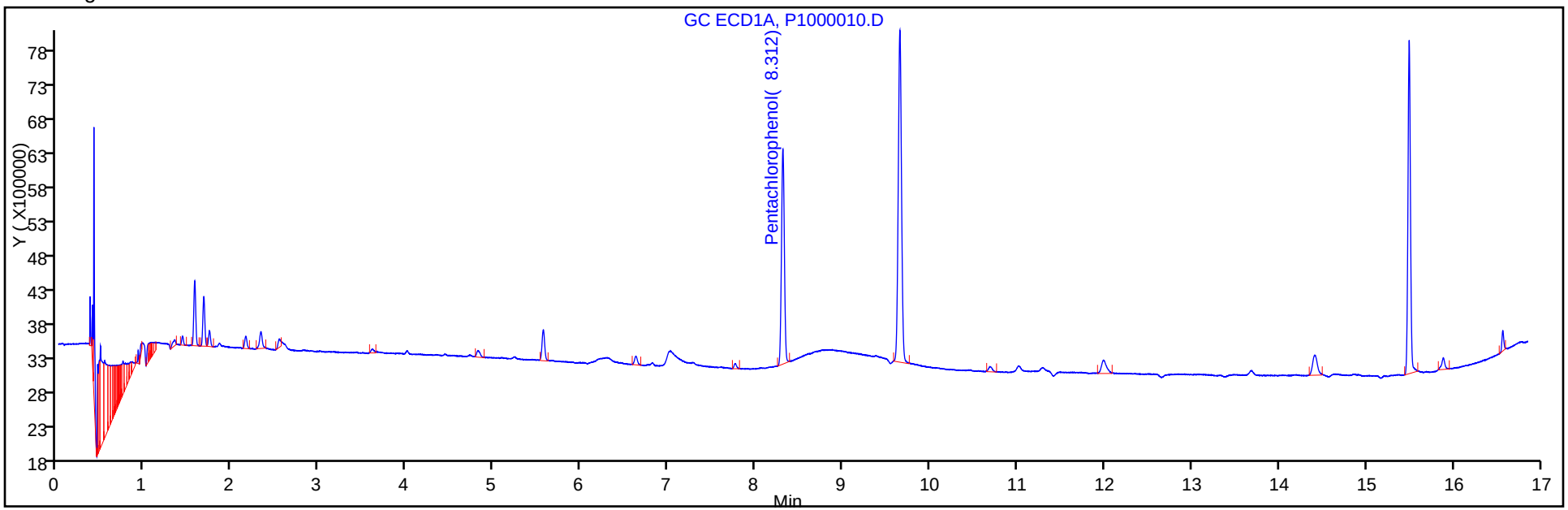
Report Date: 18-Sep-2012 19:47:12 Chrom Revision: 2.0 21-Aug-2012 09:09:58

TestAmerica Canton

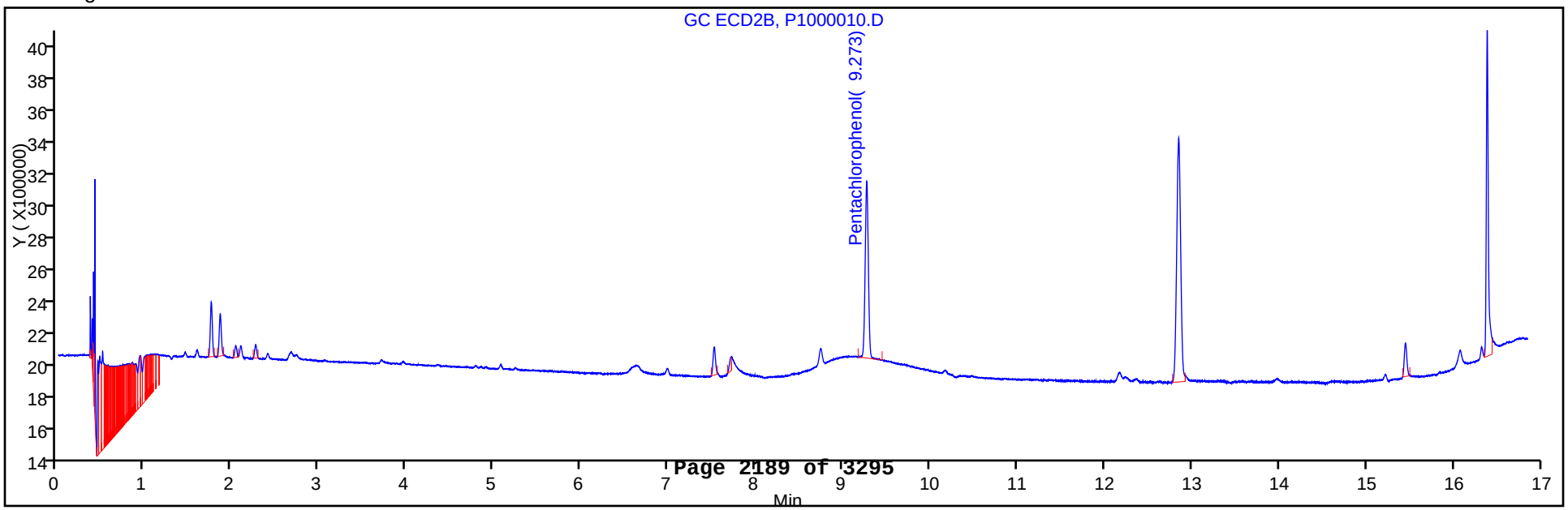
Data File: \\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000010.D

Injection Date:	18-Sep-2012 13:18:53	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	58097	Lims Sample ID:	10
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



Manual Integration/User Assign Peak Report

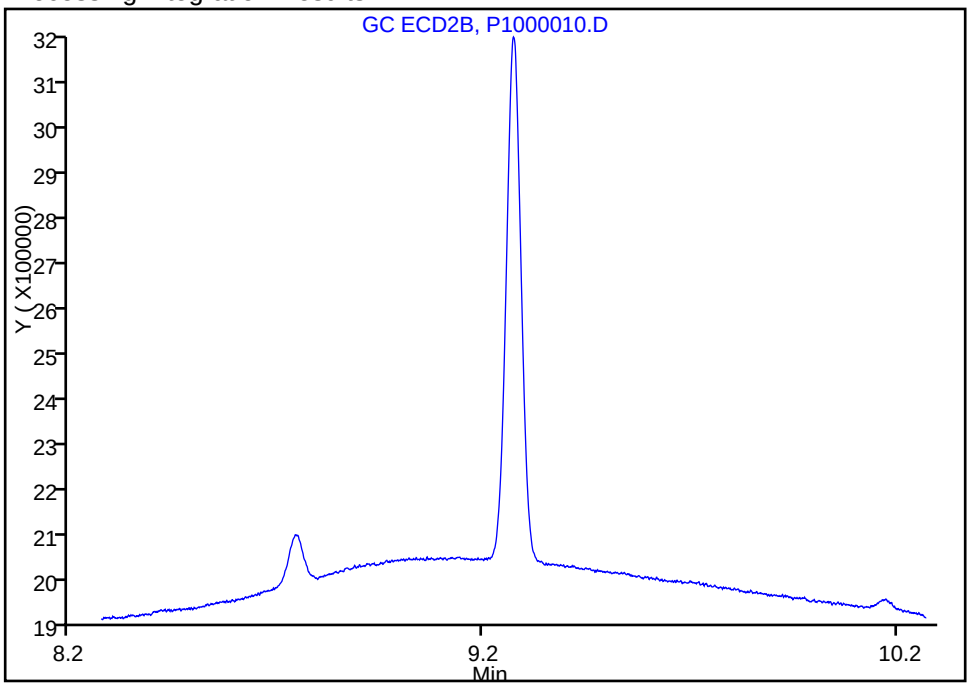
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000010.D		
Injection Date:	18-Sep-2012 13:18:53	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	58097	Lims Sample ID:	10
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

11 Pentachlorophenol, Signal: 2, Type: quant, RT: 9.27, Det: GC ecd2b

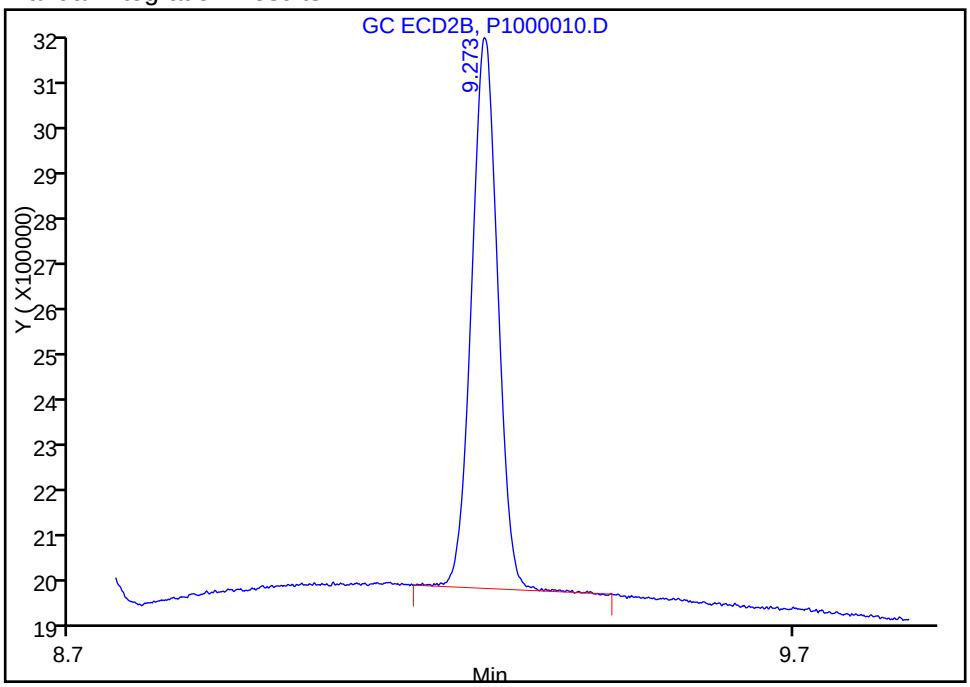
Not Detected
Expected RT: 9.27

Processing Integration Results



Manual Integration Results

RT: 9.27
Response: 1067921
Amount: 0.000601



Reviewer: roachc, 18-Sep-2012 19:40:00
Audit Action: Manually Integrated/Assigned Compound ID
Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000011.D		
Lims ID:	STD PCP2	Client ID:	
Inject. Date:	18-Sep-2012 13:42:37	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	240-0013294-011		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	11
Lims Batch ID:	58097	Lims Sample ID:	11
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\8151_1.m		
Last Update:	18-Sep-2012 19:47:12	Calib Date:	18-Sep-2012 15:16:51
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000015.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	CORP-CTX-18		

First Level Reviewer: roachc Date: 18-Sep-2012 19:40:24

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						M
1	8.312	8.312	0.000	8732502	0.004006	
2	9.273	9.274	-0.001	3415013	0.003923	M
					RPD = 2.11	

QC Flag Legend

Review Flags
M - Manually Integrated

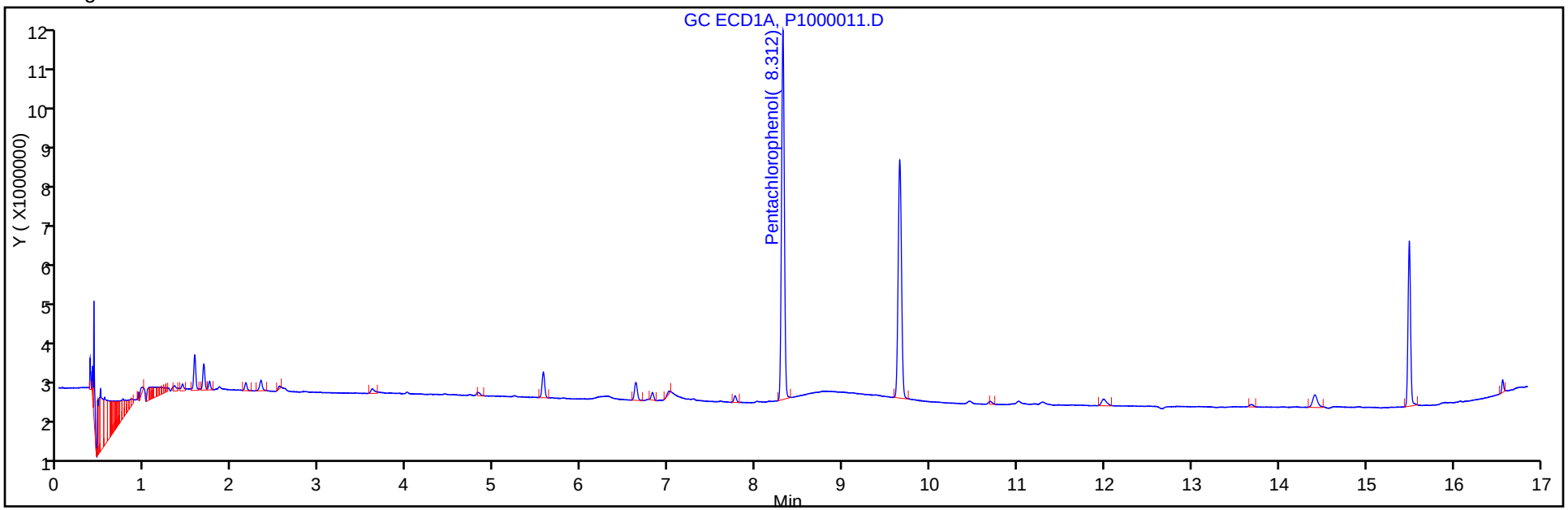
Report Date: 18-Sep-2012 19:47:13 Chrom Revision: 2.0 21-Aug-2012 09:09:58

TestAmerica Canton

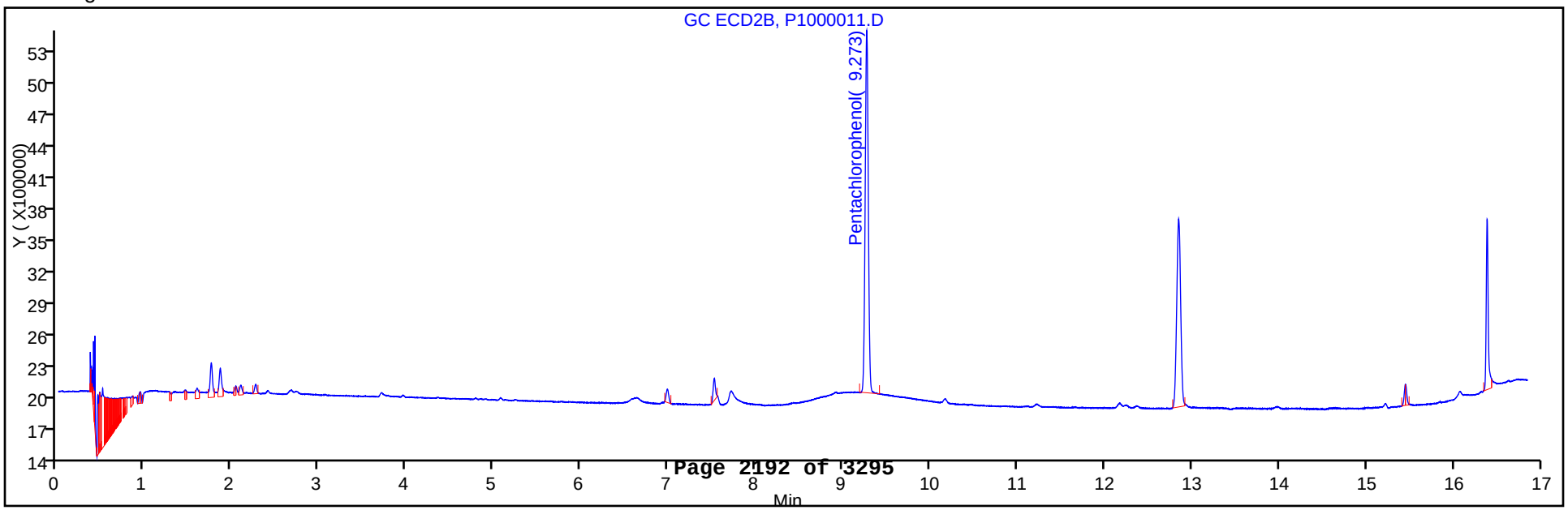
Data File: \\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000011.D

Injection Date:	18-Sep-2012 13:42:37	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	58097	Lims Sample ID:	11
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



Manual Integration/User Assign Peak Report

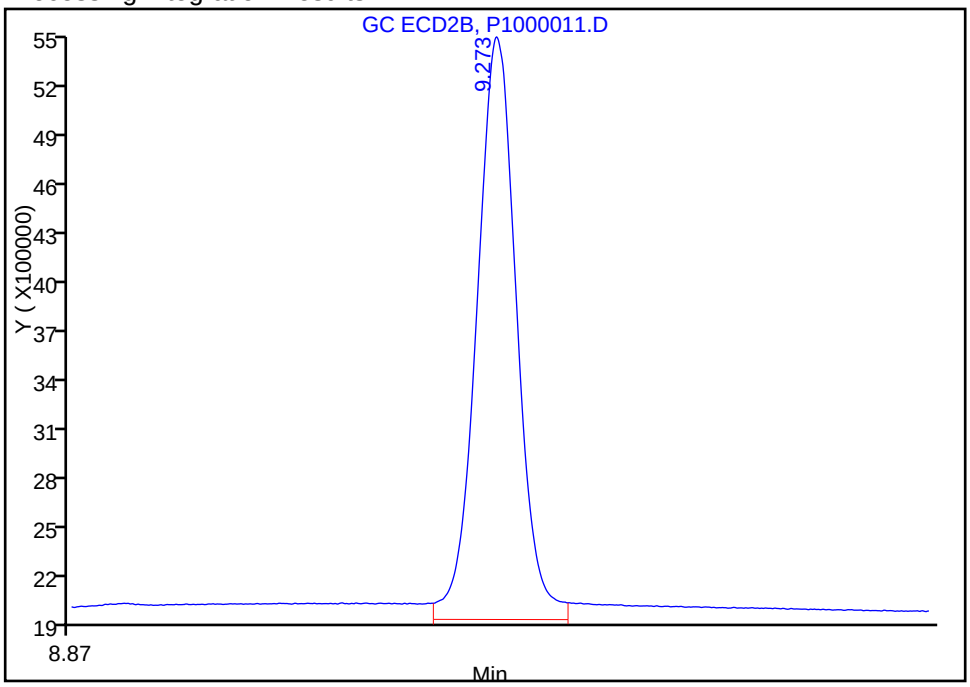
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000011.D		
Injection Date:	18-Sep-2012 13:42:37	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	58097	Lims Sample ID:	11
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

11 Pentachlorophenol, Signal: 2, Type: quant, RT: 9.27, Det: GC ecd2b

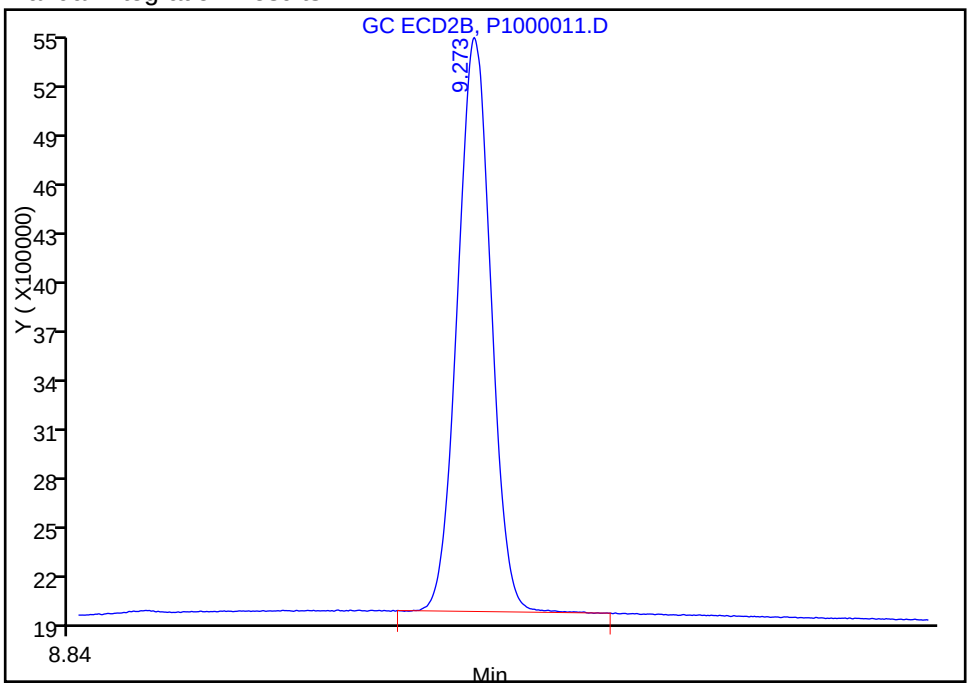
Processing Integration Results

RT: 9.27
Response: 3506411
Amount: 0.004409



Manual Integration Results

RT: 9.27
Response: 3415013
Amount: 0.003923



Reviewer: roachc, 18-Sep-2012 19:40:24
Audit Action: Manually Integrated
Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000012.D		
Lims ID:	STD PCP3	Client ID:	
Inject. Date:	18-Sep-2012 14:06:09	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	240-0013294-012		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	12
Lims Batch ID:	58097	Lims Sample ID:	12
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\8151_1.m		
Last Update:	18-Sep-2012 19:47:13	Calib Date:	18-Sep-2012 15:16:51
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000015.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	CORP-CTX-18		

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.312	8.312	0.000	17575409	0.009437	
2	9.274	9.274	0.000	6966343	0.008949	
					RPD = 5.31	

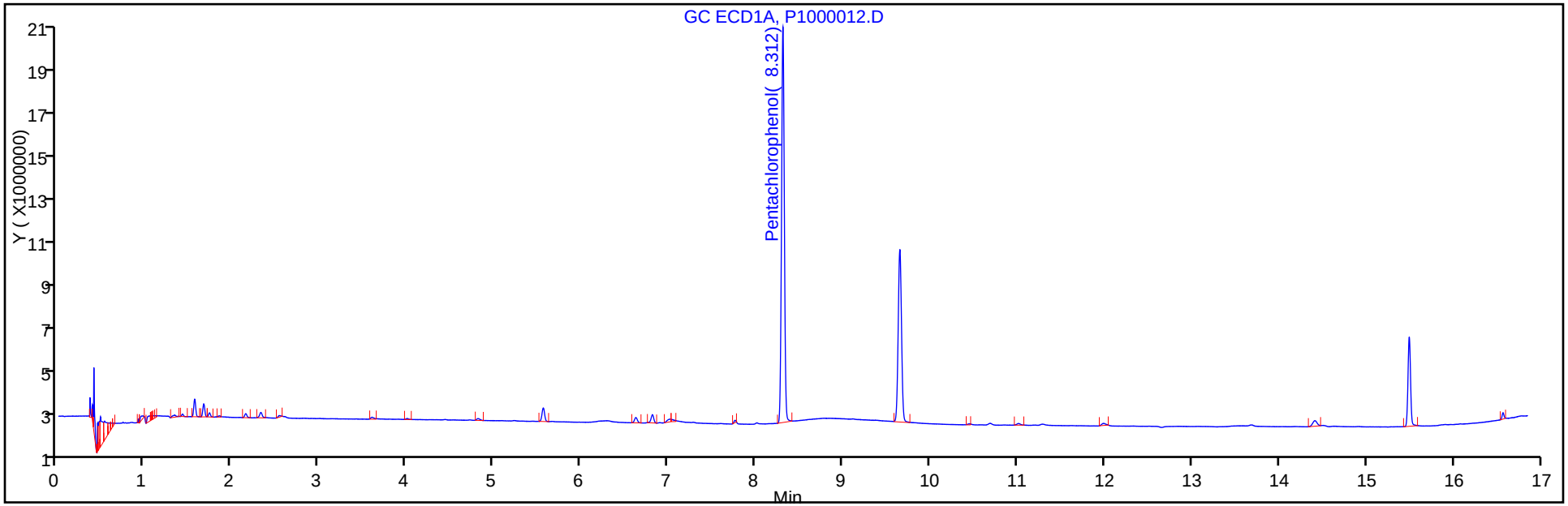
Report Date: 18-Sep-2012 19:47:14 Chrom Revision: 2.0 21-Aug-2012 09:09:58

TestAmerica Canton

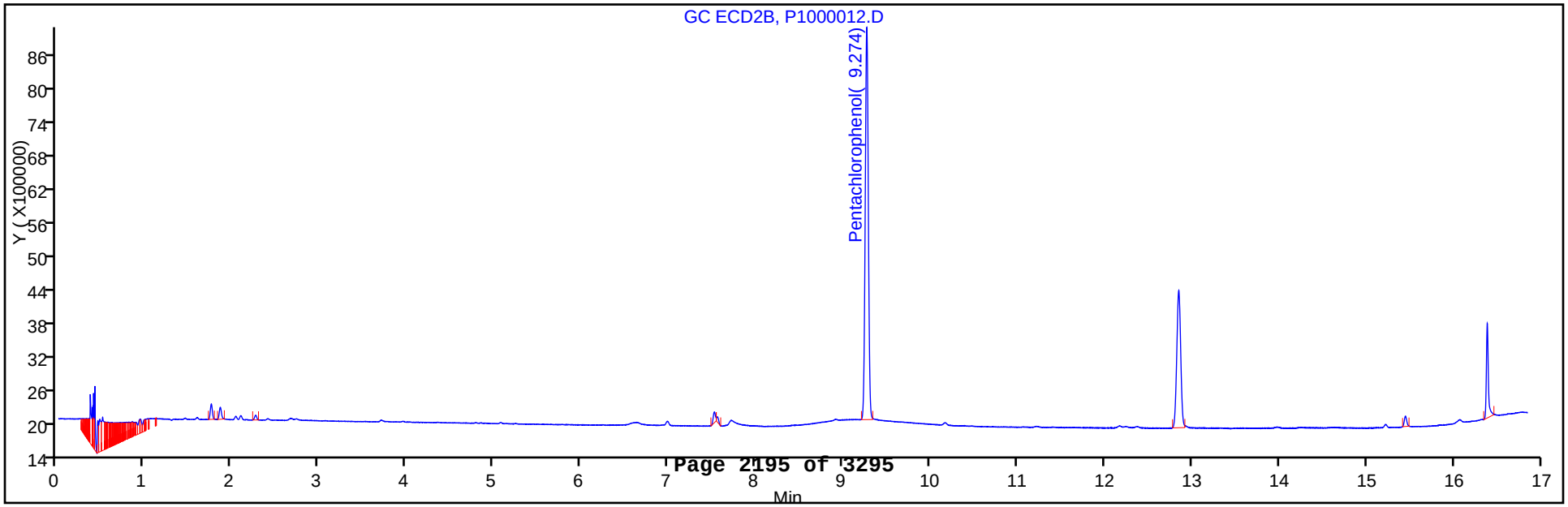
Data File: \\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000012.D

Injection Date:	18-Sep-2012 14:06:09	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	58097	Lims Sample ID:	12
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000013.D		
Lims ID:	STD PCP4	Client ID:	
Inject. Date:	18-Sep-2012 14:29:41	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	240-0013294-013		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	13
Lims Batch ID:	58097	Lims Sample ID:	13
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\8151_1.m		
Last Update:	18-Sep-2012 19:47:14	Calib Date:	18-Sep-2012 15:16:51
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000015.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	CORP-CTX-18		

First Level Reviewer: roachc Date: 18-Sep-2012 19:42:04

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.312	8.312	0.000	38856694	0.0225	
2	9.275	9.274	0.001	15675254	0.0213	
					RPD = 5.62	

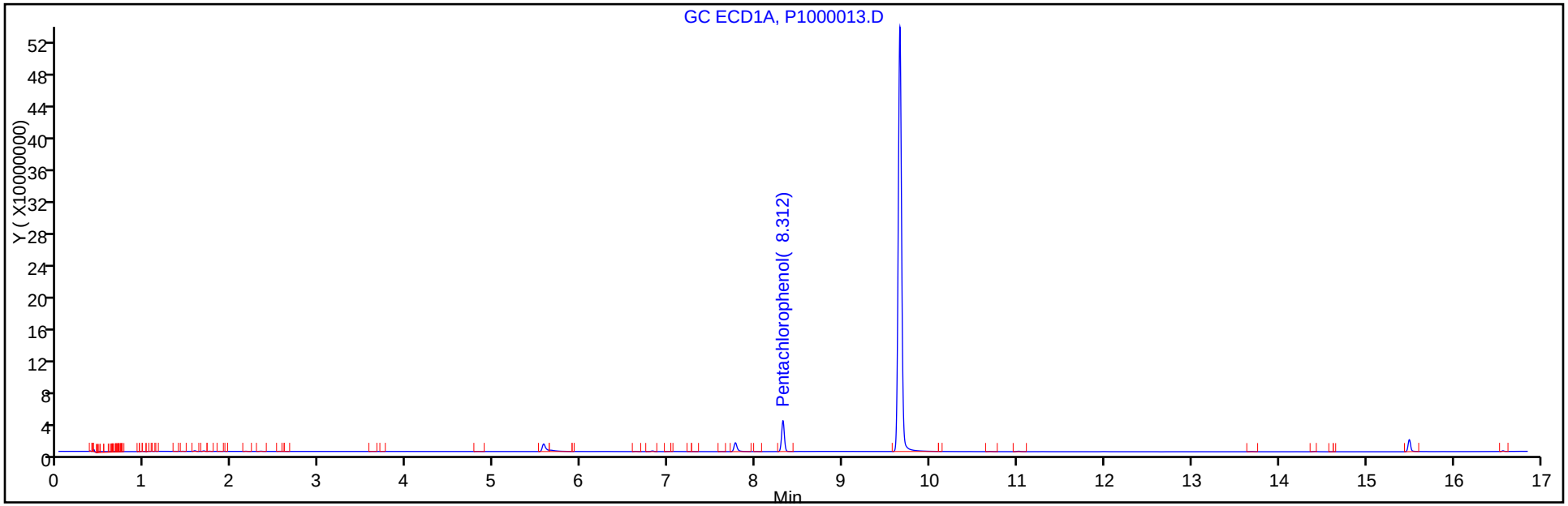
Report Date: 18-Sep-2012 19:47:15 Chrom Revision: 2.0 21-Aug-2012 09:09:58

TestAmerica Canton

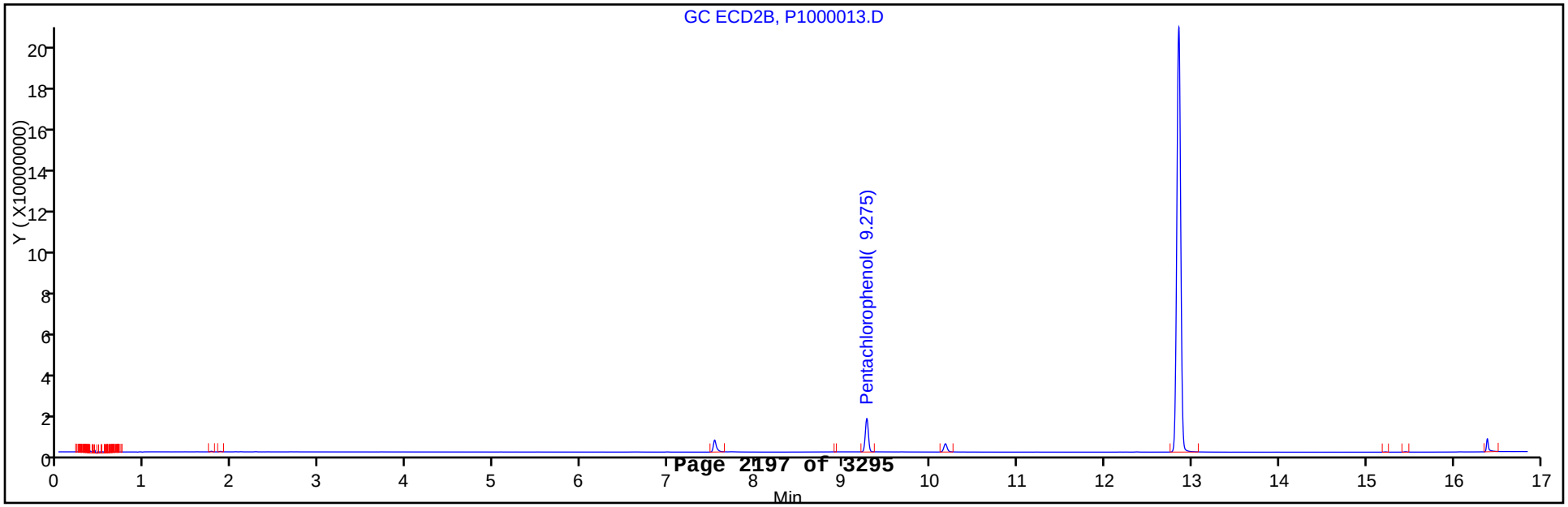
Data File: \\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000013.D

Injection Date:	18-Sep-2012 14:29:41	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	58097	Lims Sample ID:	13
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000014.D		
Lims ID:	STD PCP5	Client ID:	
Inject. Date:	18-Sep-2012 14:53:17	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	240-0013294-014		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	14
Lims Batch ID:	58097	Lims Sample ID:	14
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\8151_1.m		
Last Update:	18-Sep-2012 19:47:15	Calib Date:	18-Sep-2012 15:16:51
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000015.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	CORP-CTX-18		

First Level Reviewer: roachc Date: 18-Sep-2012 19:42:13

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.313	8.312	0.001	73467680	0.0438	
2	9.273	9.274	-0.001	31458044	0.0436	
					RPD = 0.34	

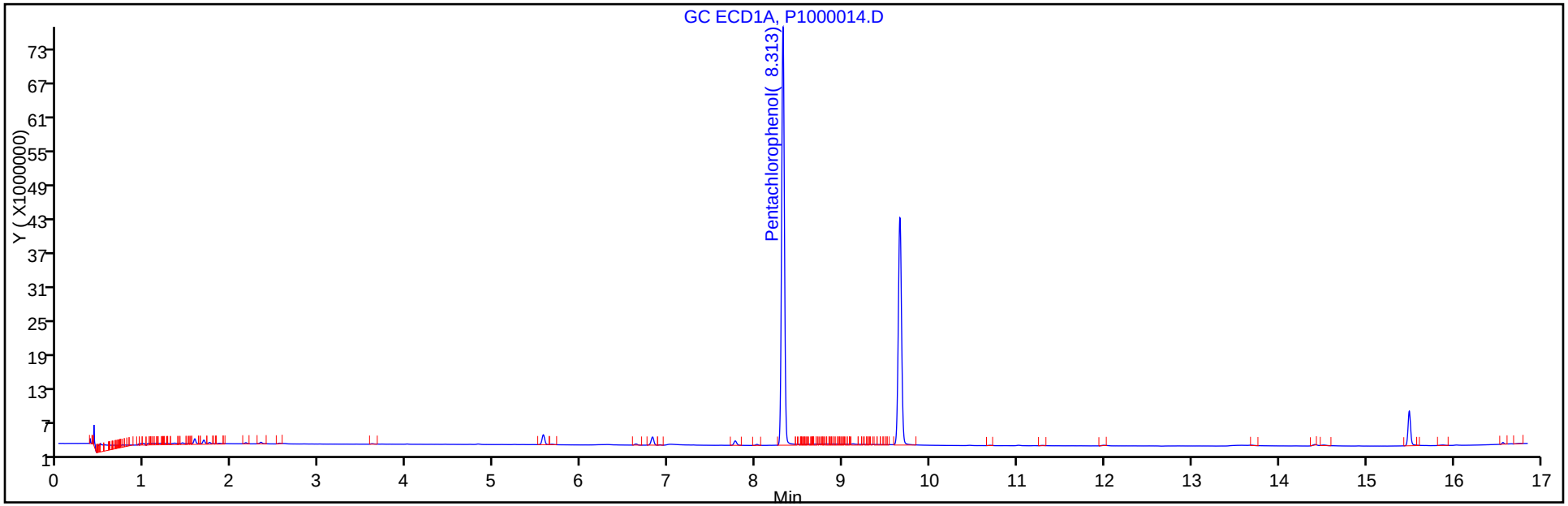
Report Date: 18-Sep-2012 19:47:16 Chrom Revision: 2.0 21-Aug-2012 09:09:58

TestAmerica Canton

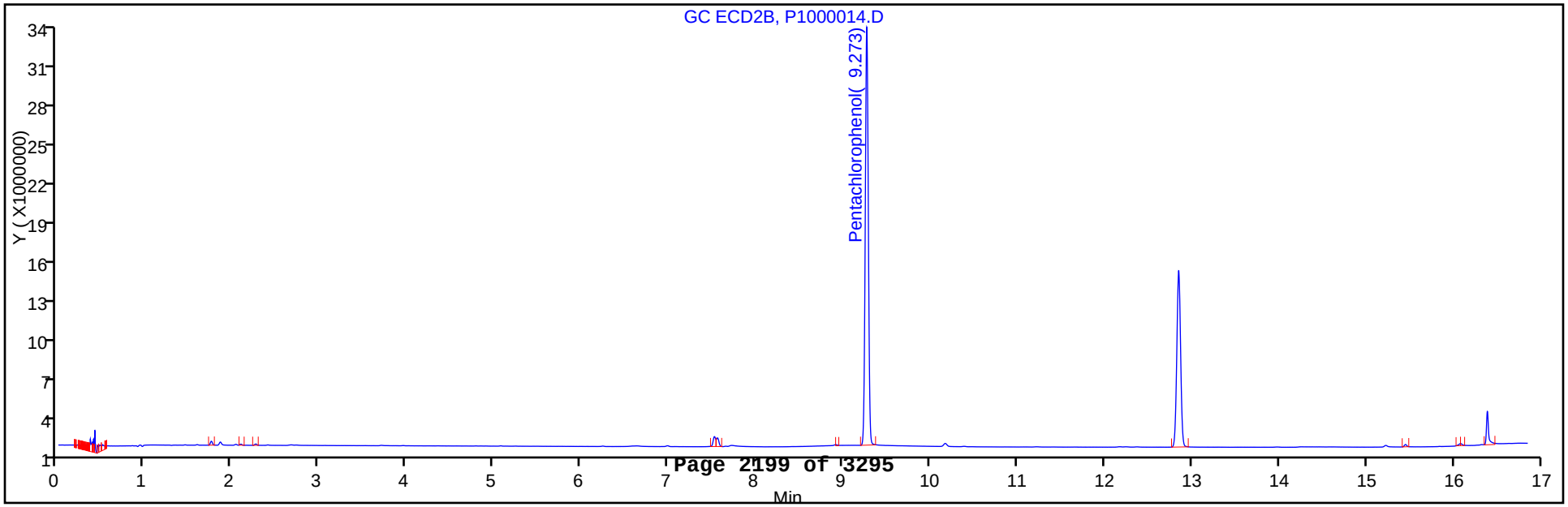
Data File: \\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000014.D

Injection Date:	18-Sep-2012 14:53:17	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	58097	Lims Sample ID:	14
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000015.D		
Lims ID:	STD PCP6	Client ID:	
Inject. Date:	18-Sep-2012 15:16:51	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	240-0013294-015		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	15
Lims Batch ID:	58097	Lims Sample ID:	15
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\8151_1.m		
Last Update:	18-Sep-2012 19:47:16	Calib Date:	18-Sep-2012 15:16:51
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000015.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	CORP-CTX-18		

First Level Reviewer: roachc Date: 18-Sep-2012 19:42:23

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.311	8.312	-0.001	124746263	0.0752	
2	9.275	9.274	0.001	55152449	0.0771	
					RPD = 2.49	

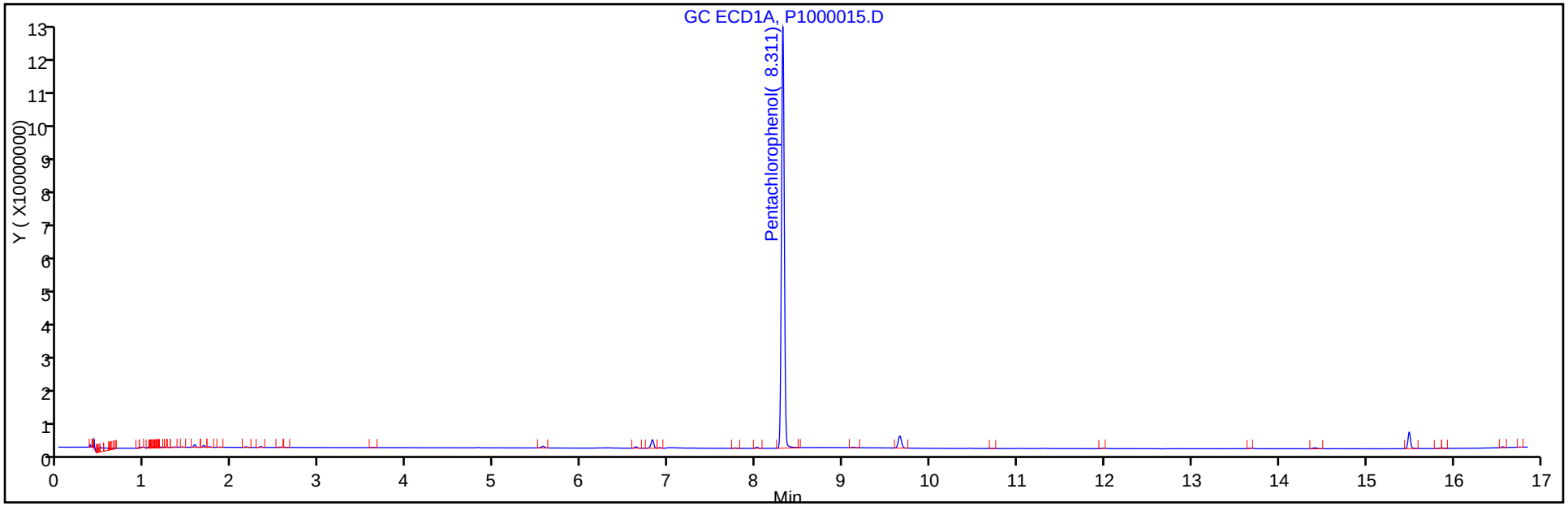
Report Date: 18-Sep-2012 19:47:17 Chrom Revision: 2.0 21-Aug-2012 09:09:58

TestAmerica Canton

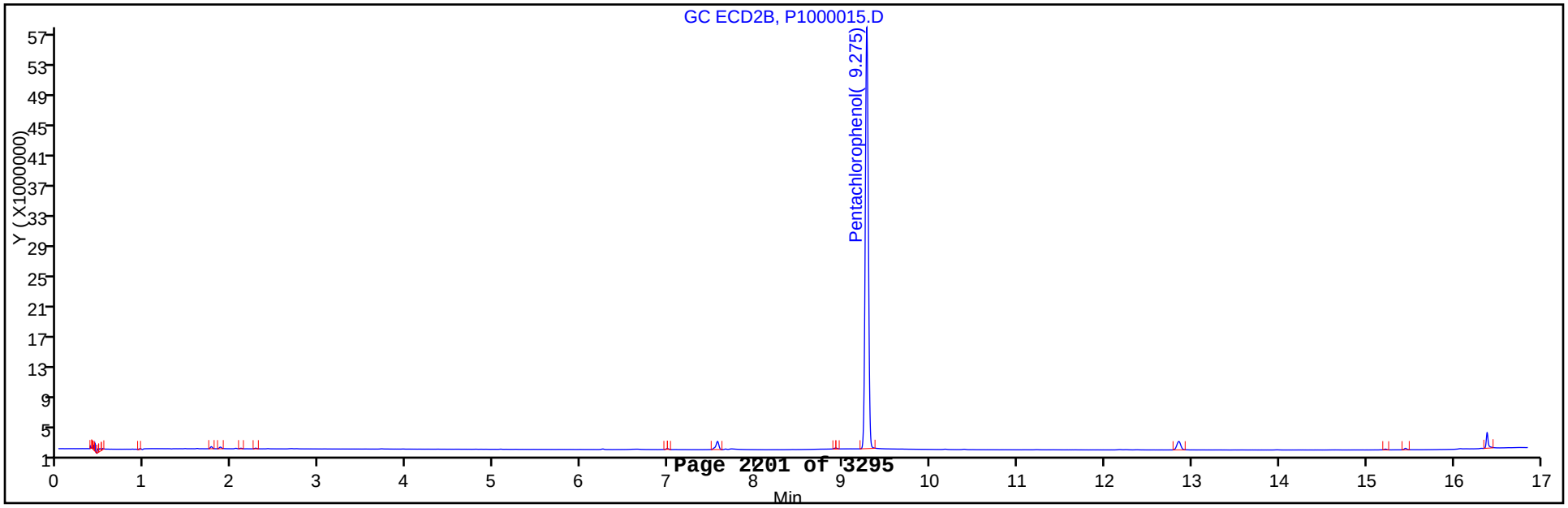
Data File: \\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000015.D

Injection Date:	18-Sep-2012 15:16:51	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	58097	Lims Sample ID:	15
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 67147

SDG No.:

Instrument ID: A2HP1 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2012 17:53 Calibration End Date: 12/03/2012 19:52 Calibration ID: 12573

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-67147/6	P1000006.D
Level 2	STD 240-67147/7	P1000007.D
Level 3	STD 240-67147/8	P1000008.D
Level 4	STD 240-67147/9	P1000009.D
Level 5	STD 240-67147/10	P1000010.D
Level 6	STD 240-67147/11	P1000011.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Dalapon	1.248	1.248	1.248	1.247	1.248	1.248					1.227 - 1.267	1.248
Dicamba	7.147	7.144	7.145	7.144	7.146	7.144					7.124 - 7.164	7.145
MCPP	7.431	7.429	7.429	7.429	7.431	7.430					7.408 - 7.448	7.430
MCPA	7.593	7.592	7.593	7.592	7.593	7.592					7.571 - 7.611	7.593
Dichlorprop	7.965	7.964	7.964	7.963	7.962	7.961					7.942 - 7.982	7.963
2,4-D	8.208	8.204	8.202	8.200	8.199	8.197					8.179 - 8.219	8.202
Silvex (2,4,5-TP)	9.083	9.079	9.079	9.078	9.078	9.075					9.057 - 9.097	9.079
2,4,5-T	9.398	9.396	9.394	9.392	9.391	9.387					9.370 - 9.410	9.393
2,4-DB	10.029	10.024	10.024	10.020	10.019	10.014					10.001 - 10.041	10.022
Dinoseb	11.235	11.234	11.231	11.232	11.230	11.229					11.199 - 11.259	11.232
2,4-Dichlorophenylacetic acid	6.981	6.979	6.979	6.979	6.980	6.977					6.957 - 6.997	6.979

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 67147

SDG No.:

Instrument ID: A2HP1 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2012 17:53 Calibration End Date: 12/03/2012 19:52 Calibration ID: 12573

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-67147/6	P1000006.D
Level 2	STD 240-67147/7	P1000007.D
Level 3	STD 240-67147/8	P1000008.D
Level 4	STD 240-67147/9	P1000009.D
Level 5	STD 240-67147/10	P1000010.D
Level 6	STD 240-67147/11	P1000011.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Dalapon	551507600 402903031	503534450 379025088	471768525	435733513	Ave		457412034				14.0		20.0			
Dicamba	714015800 557606444	682442500 518453384	640497675	594144038	Ave		617859973				12.0		20.0			
MCPP	861638 497772	840381 434111	737903	605271	Qua	1228039.70	534037.963	-1881.4713						0.9980		0.9900
MCPA	1315060 629725	1147675 546511	962182	766358	Qua	1981824.59	652678.717	-2164.9456						0.9980		0.9900
Dichlorprop	163145150 119660147	159229600 110630689	145164950	132790381	Ave		138436820				15.0		20.0			
2,4-D	165772300 138838872	158626300 131934363	158911513	149145781	Ave		150538188				8.7		20.0			
Silvex (2,4,5-TP)	799153200 731277713	786139000 721755906	778529750	763810300	Ave		763444311				4.1		20.0			
2,4,5-T	601240200 620254688	620375400 619353063	608261000	613258200	Ave		613790425				1.3		20.0			
2,4-DB	65756600 59773497	67626925 60979647	65490575	63429494	Ave		63842789.6				4.7		20.0			
Dinoseb	581582000 454856646	557822000 442825271	516867750	481228875	Ave		505863757				11.0		20.0			
2,4-Dichlorophenylacetic acid	177523500 129357034	168272800 120052263	157149838	142057950	Ave		149068897				15.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 67147

SDG No.:

Instrument ID: A2HP1 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2012 17:53 Calibration End Date: 12/03/2012 19:52 Calibration ID: 12573

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-67147/6	P1000006.D
Level 2	STD 240-67147/7	P1000007.D
Level 3	STD 240-67147/8	P1000008.D
Level 4	STD 240-67147/9	P1000009.D
Level 5	STD 240-67147/10	P1000010.D
Level 6	STD 240-67147/11	P1000011.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dalapon	Ave	5515076 121288028	10070689	18870741	34858681	64464485	0.0100 0.320	0.0200	0.0400	0.0800	0.160
Dicamba	Ave	7140158 165905083	13648850	25619907	47531523	89217031	0.0100 0.320	0.0200	0.0400	0.0800	0.160
MCPP	Qua	1723275 27783128	3361524	5903220	9684337	15928704	2.00 64.0	4.00	8.00	16.0	32.0
MCPA	Qua	2630120 34976673	4590699	7697459	12261728	20151184	2.00 64.0	4.00	8.00	16.0	32.0
Dichlorprop	Ave	3262903 70803641	6369184	11613196	21246461	38291247	0.0200 0.640	0.0400	0.0800	0.160	0.320
2,4-D	Ave	3315446 84437992	6345052	12712921	23863325	44428439	0.0200 0.640	0.0400	0.0800	0.160	0.320
Silvex (2,4,5-TP)	Ave	3995766 115480945	7861390	15570595	30552412	58502217	0.00500 0.160	0.0100	0.0200	0.0400	0.0800
2,4,5-T	Ave	3006201 99096490	6203754	12165220	24530328	49620375	0.00500 0.160	0.0100	0.0200	0.0400	0.0800
2,4-DB	Ave	1315132 39026974	2705077	5239246	10148719	19127519	0.0200 0.640	0.0400	0.0800	0.160	0.320
Dinoseb	Ave	1744746 42511226	3346932	6202413	11549493	21833119	0.00300 0.0960	0.00600	0.0120	0.0240	0.0480
2,4-Dichlorophenylacetic acid	Ave	3550470 76833448	6730912	12571987	22729272	41394251	0.0200 0.640	0.0400	0.0800	0.160	0.320

Curve Type Legend:

Ave = Average by Height
Qua = Quadratic by Height

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000006.D		
Lims ID:	Std Corp1	Client ID:	
Inject. Date:	03-Dec-2012 17:53:38	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	240-0015481-006		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	6
Lims Batch ID:	67147	Lims Sample ID:	6
Sublist:	chrom-8151_1*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\8151_1.m		
Last Update:	04-Dec-2012 09:15:01	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		
First Level Reviewer: roachc		Date:	04-Dec-2012 09:15:01

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						M
1	1.248	1.247	0.001	5515076	0.0121	M
2	1.388	1.387	0.001	1656117	0.0114	M
					RPD = 5.61	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.981	6.977	0.004	3550470	0.0238	
2	7.631	7.629	0.002	1425326	0.0230	
					RPD = 3.67	
6 Dicamba						
1	7.147	7.144	0.003	7140158	0.0116	
2	7.798	7.797	0.001	2745368	0.0107	
					RPD = 7.36	
10 MCPP						
1	7.431	7.428	0.003	1723275	0.9304	
2	7.983	7.982	0.001	711202	1.19	
					RPD = 24.76	
9 MCPA						
1	7.593	7.591	0.002	2630120	1.00	
2	8.235	8.233	0.002	1124243	1.35	
					RPD = 30.42	
7 Dichlorprop						M
1	7.965	7.962	0.003	3262903	0.0236	
2	8.597	8.593	0.004	1207535	0.0229	M
					RPD = 2.86	
2 2,4-D						M
1	8.208	8.199	0.009	3315446	0.0220	
2	8.955	8.950	0.005	1344688	0.0217	M
					RPD = 1.54	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						M
1	9.083	9.077	0.006	3995766	0.005234	
2	9.892	9.889	0.003	1480595	0.005215	M
					RPD = 0.36	
1 2,4,5-T						
1	9.398	9.390	0.008	3006201	0.004898	
2	10.371	10.367	0.004	1228064	0.005062	
					RPD = 3.29	
3 2,4-DB						M
1	10.029	10.021	0.008	1315132	0.0206	
2	11.020	11.017	0.003	588019	0.0221	M
					RPD = 7.20	
8 Dinoseb						M
1	11.235	11.229	0.006	1744746	0.003449	
2	11.397	11.396	0.001	660700	0.003417	M
					RPD = 0.94	

QC Flag Legend

Review Flags
M - Manually Integrated

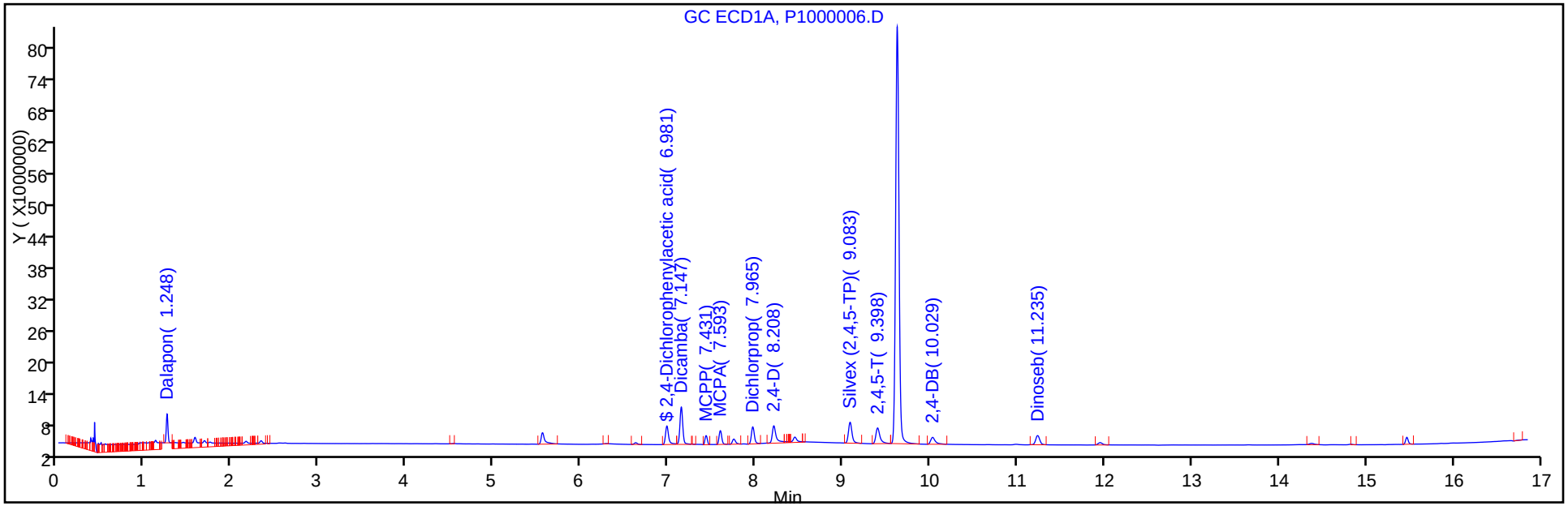
Report Date: 04-Dec-2012 09:15:02 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

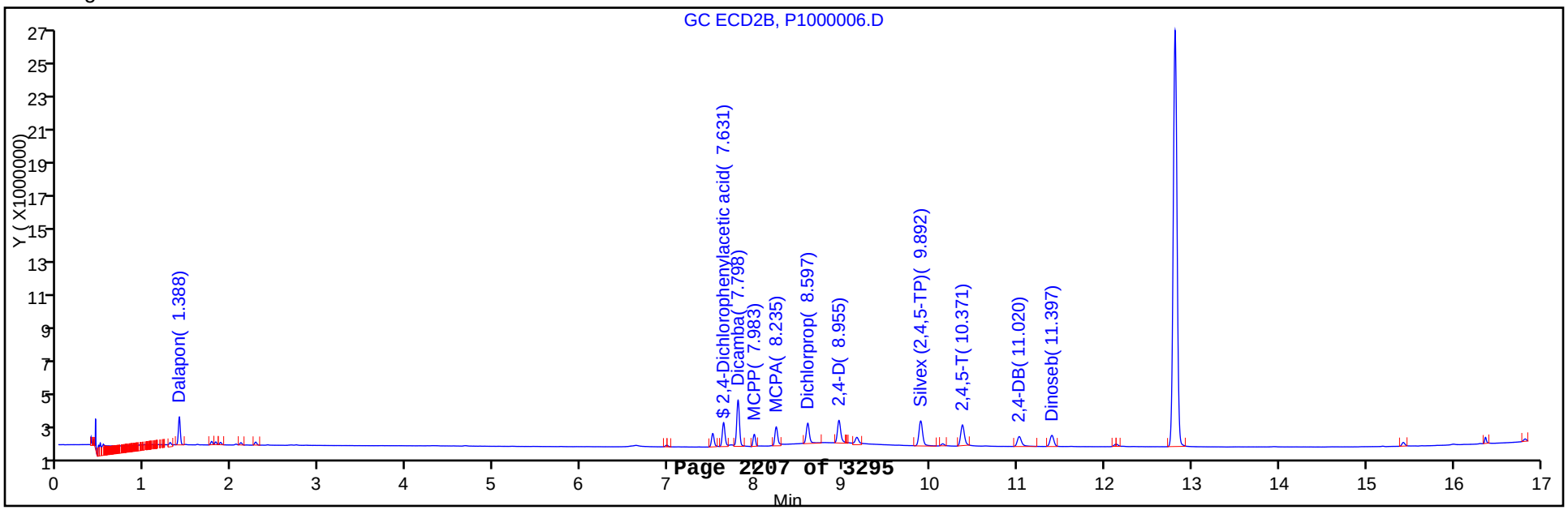
Data File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000006.D

Injection Date:	03-Dec-2012 17:53:38	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	67147	Lims Sample ID:	6
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



Manual Integration/User Assign Peak Report

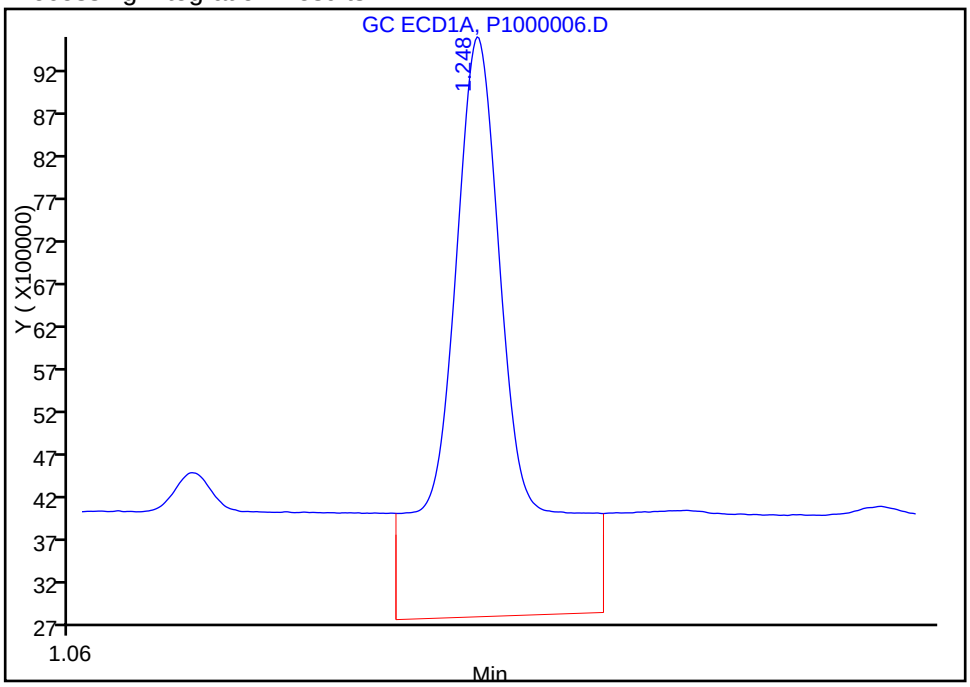
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000006.D		
Injection Date:	03-Dec-2012 17:53:38	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	67147	Lims Sample ID:	6
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

5 Dalapon, Signal: 1, Type: quant, RT: 1.25, Det: GC ECD1A

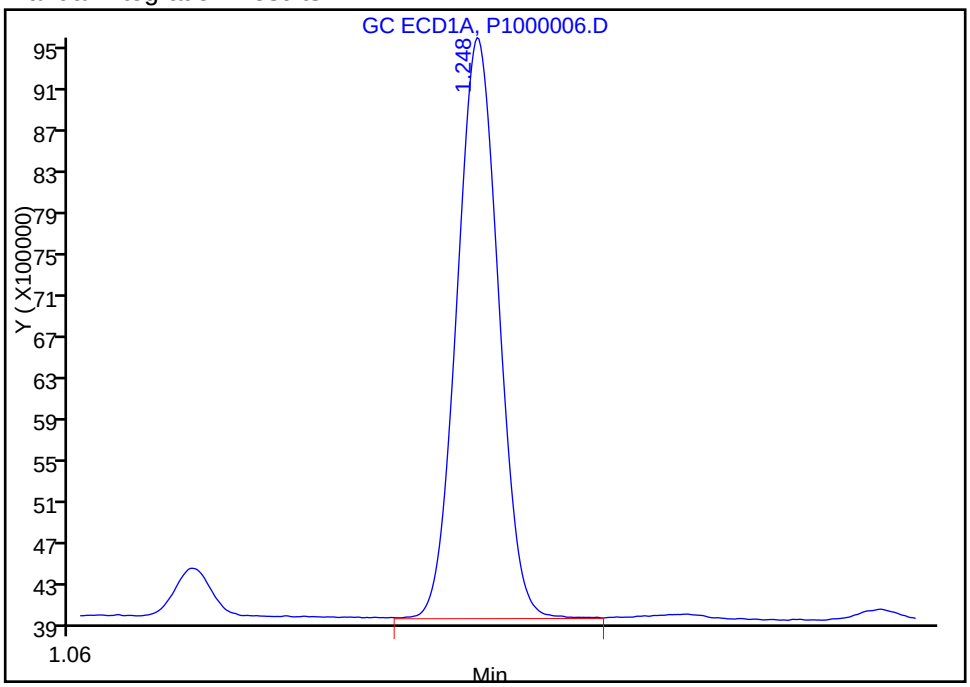
Processing Integration Results

RT: 1.25
Response: 6702579
Amount: 0.009730



Manual Integration Results

RT: 1.25
Response: 5515076
Amount: 0.012057



Reviewer: roachc, 04-Dec-2012 07:58:06
Audit Action: Manually Integrated
Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000007.D		
Lims ID:	Std Corp2	Client ID:	
Inject. Date:	03-Dec-2012 18:17:22	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	240-0015481-007		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	7
Lims Batch ID:	67147	Lims Sample ID:	7
Sublist:	chrom-8151_1*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\8151_1.m		
Last Update:	04-Dec-2012 09:15:16	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		
First Level Reviewer: roachc		Date:	04-Dec-2012 09:15:16

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.248	1.247	0.001	10070689	0.0220	
2	1.388	1.387	0.001	3068558	0.0211	
					RPD = 4.15	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.979	6.977	0.002	6730912	0.0452	
2	7.629	7.629	0.000	2643576	0.0426	
					RPD = 5.85	
6 Dicamba						
1	7.144	7.144	0.000	13648850	0.0221	
2	7.796	7.797	-0.001	5254637	0.0205	
					RPD = 7.23	
10 MCPP						
1	7.429	7.428	0.001	3361524	4.05	
2	7.981	7.982	-0.001	1330598	3.97	
					RPD = 2.01	
9 MCPA						
1	7.592	7.591	0.001	4590699	4.05	
2	8.234	8.233	0.001	1871817	4.22	
					RPD = 4.16	
7 Dichlorprop						
1	7.964	7.962	0.002	6369184	0.0460	
2	8.594	8.593	0.001	2219646	0.0421	
					RPD = 8.86	
2 2,4-D						
1	8.204	8.199	0.005	6345052	0.0421	
2	8.953	8.950	0.003	2548293	0.0411	
					RPD = 2.53	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						
1	9.079	9.077	0.002	7861390	0.0103	
2	9.892	9.889	0.003	2857261	0.0101	
					RPD = 2.29	
1 2,4,5-T						
1	9.396	9.390	0.006	6203754	0.0101	
2	10.369	10.367	0.002	2363743	0.009743	
					RPD = 3.67	
3 2,4-DB						
1	10.024	10.021	0.003	2705077	0.0424	
2	11.022	11.017	0.005	1102745	0.0415	
					RPD = 2.04	
8 Dinoseb						M
1	11.234	11.229	0.005	3346932	0.006616	
2	11.398	11.396	0.002	1258558	0.006509	M
					RPD = 1.64	

QC Flag Legend

Review Flags
M - Manually Integrated

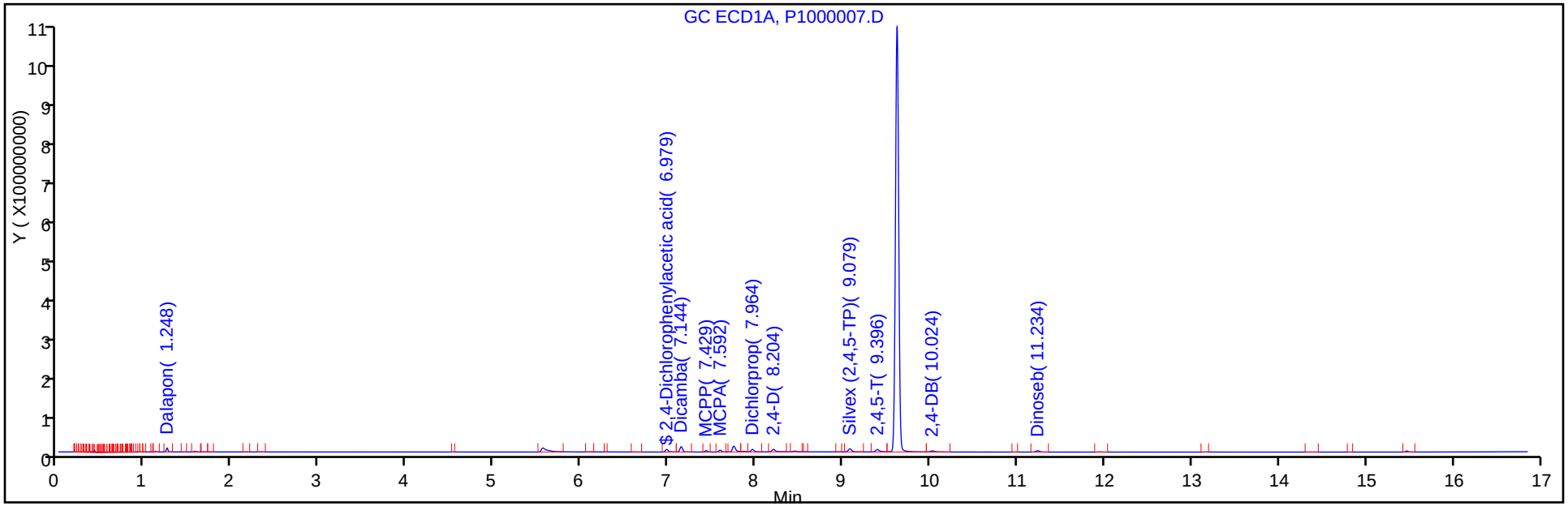
Report Date: 04-Dec-2012 09:15:17 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

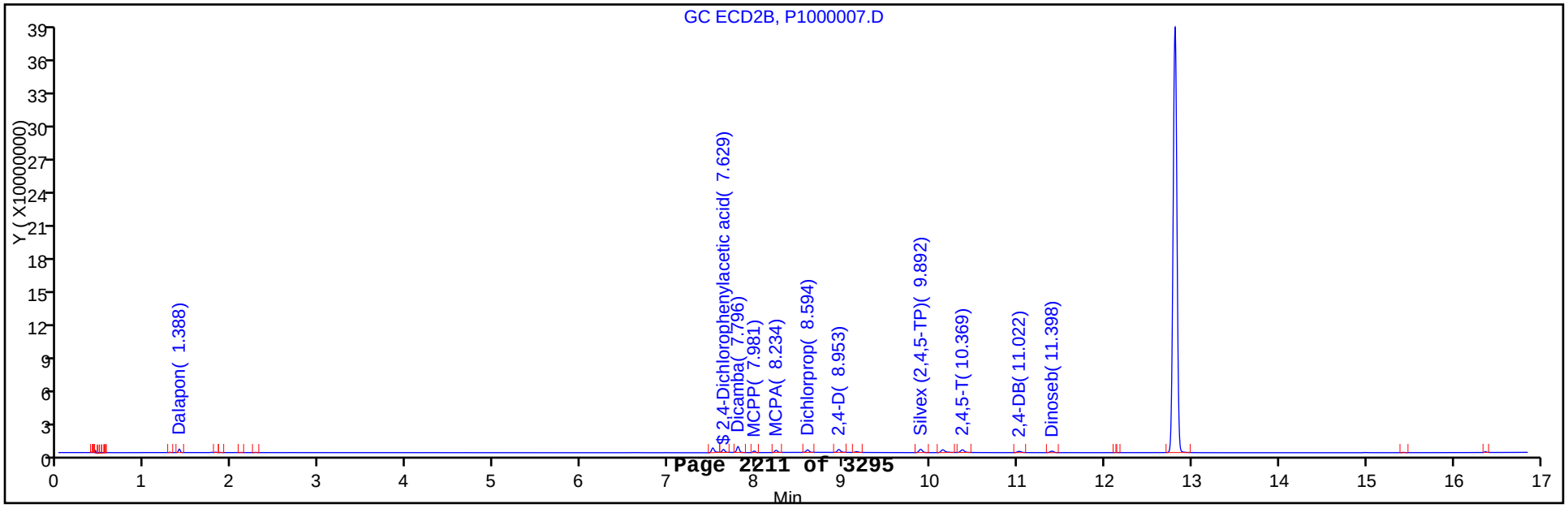
Data File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000007.D

Injection Date:	03-Dec-2012 18:17:22	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	67147	Lims Sample ID:	7
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000008.D		
Lims ID:	Std Corp3	Client ID:	
Inject. Date:	03-Dec-2012 18:41:03	Dil. Factor:	1.0000
Sample Type:	ICRT	Calib Level:	3
Sample ID:	240-0015481-008		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	8
Lims Batch ID:	67147	Lims Sample ID:	8
Sublist:	chrom-8151_1*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\8151_1.m		
Last Update:	04-Dec-2012 09:15:28	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		
First Level Reviewer: roachc		Date:	04-Dec-2012 09:15:28

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.248	1.248	0.000	18870741	0.0413	
2	1.388	1.388	0.000	5874679	0.0404	
					RPD = 2.01	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.979	6.979	0.000	12571987	0.0843	
2	7.629	7.629	0.000	5098854	0.0821	
					RPD = 2.64	
6 Dicamba						
1	7.145	7.145	0.000	25619907	0.0415	
2	7.797	7.797	0.000	10349643	0.0405	
					RPD = 2.42	
10 MCPP						
1	7.429	7.429	0.000	5903220	9.04	
2	7.982	7.982	0.000	2396223	8.86	
					RPD = 2.01	
9 MCPA						
1	7.593	7.593	0.000	7697459	9.03	
2	8.233	8.233	0.000	3289686	9.67	
					RPD = 6.83	
7 Dichlorprop						M
1	7.964	7.964	0.000	11613196	0.0839	
2	8.594	8.594	0.000	4282046	0.0812	M
					RPD = 3.23	
2 2,4-D						
1	8.202	8.202	0.000	12712921	0.0844	
2	8.950	8.950	0.000	5014235	0.0809	
					RPD = 4.33	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						
1	9.079	9.079	0.000	15570595	0.0204	
2	9.889	9.889	0.000	5589857	0.0197	
					RPD = 3.52	
1 2,4,5-T						
1	9.394	9.394	0.000	12165220	0.0198	
2	10.369	10.369	0.000	4840695	0.0200	
					RPD = 0.67	
3 2,4-DB						
1	10.024	10.024	0.000	5239246	0.0821	
2	11.019	11.019	0.000	2157722	0.0812	
					RPD = 1.02	
8 Dinoseb						
1	11.231	11.231	0.000	6202413	0.0123	
2	11.395	11.395	0.000	2310831	0.0120	
					RPD = 2.57	

QC Flag Legend

Review Flags
M - Manually Integrated

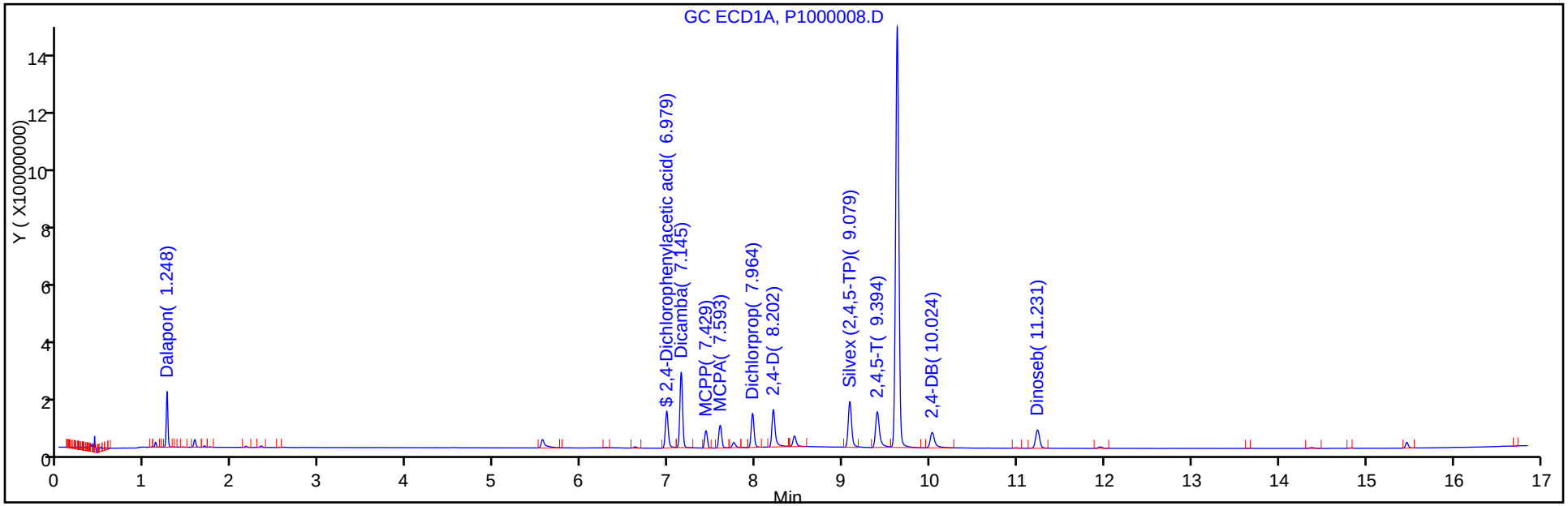
Report Date: 04-Dec-2012 09:15:29 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

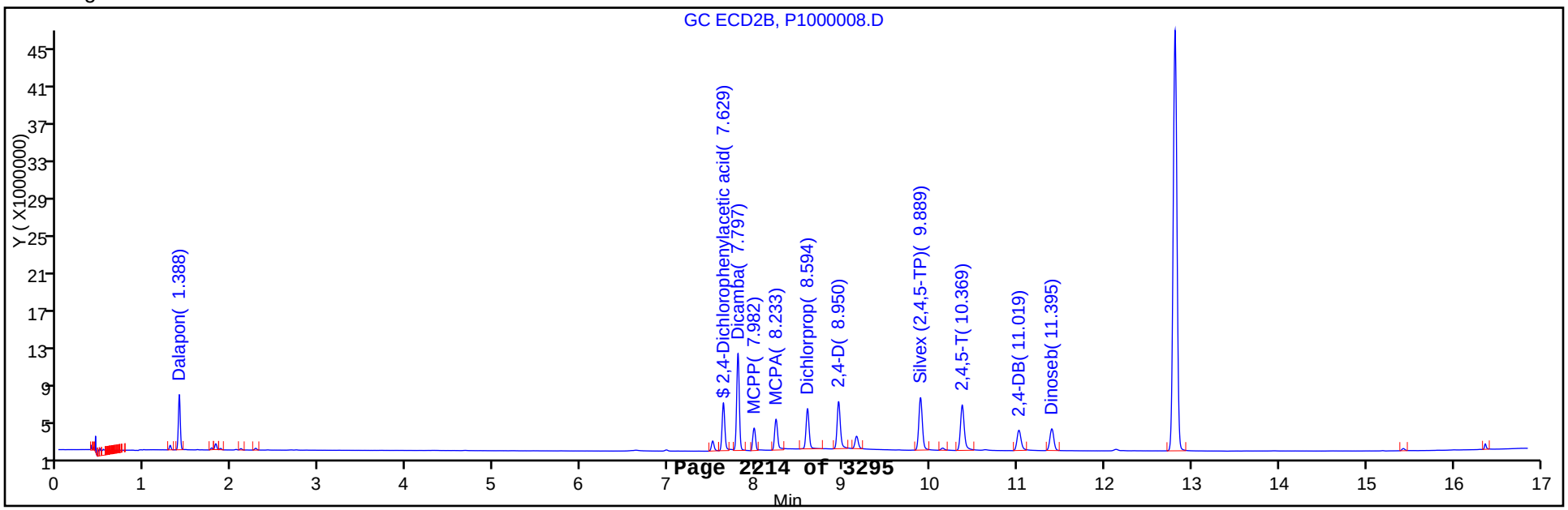
Data File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000008.D

Injection Date:	03-Dec-2012 18:41:03	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	67147	Lims Sample ID:	8
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000009.D		
Lims ID:	Std Corp4	Client ID:	
Inject. Date:	03-Dec-2012 19:04:40	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	240-0015481-009		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	9
Lims Batch ID:	67147	Lims Sample ID:	9
Sublist:	chrom-8151_1*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\8151_1.m		
Last Update:	04-Dec-2012 09:15:39	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		
First Level Reviewer: roachc		Date:	04-Dec-2012 09:15:39

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.247	1.248	-0.001	34858681	0.0762	
2	1.388	1.388	0.000	11107906	0.0765	
					RPD = 0.32	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.979	6.979	0.000	22729272	0.1525	
2	7.629	7.629	0.000	9412608	0.1516	
					RPD = 0.56	
6 Dicamba						
1	7.144	7.145	-0.001	47531523	0.0769	
2	7.795	7.797	-0.002	20289132	0.0793	
					RPD = 3.09	
10 MCPP						
1	7.429	7.429	0.000	9684337	16.8	
2	7.982	7.982	0.000	4021745	16.6	
					RPD = 1.29	
9 MCPA						
1	7.592	7.593	-0.001	12261728	16.7	
2	8.233	8.233	0.000	5351638	17.6	
					RPD = 5.31	
7 Dichlorprop						
1	7.963	7.964	-0.001	21246461	0.1535	
2	8.594	8.594	0.000	8024771	0.1522	
					RPD = 0.82	
2 2,4-D						
1	8.200	8.202	-0.002	23863325	0.1585	
2	8.950	8.950	0.000	9688389	0.1563	
					RPD = 1.44	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						
1	9.078	9.079	-0.001	30552412	0.0400	
2	9.891	9.889	0.002	11206626	0.0395	
					RPD = 1.37	
1 2,4,5-T						
1	9.392	9.394	-0.002	24530328	0.0400	
2	10.368	10.369	-0.001	9639961	0.0397	
					RPD = 0.58	
3 2,4-DB						
1	10.020	10.024	-0.004	10148719	0.1590	
2	11.019	11.019	0.000	4100950	0.1544	
					RPD = 2.92	
8 Dinoseb						
1	11.232	11.231	0.001	11549493	0.0228	
2	11.397	11.395	0.002	4395673	0.0227	
					RPD = 0.44	

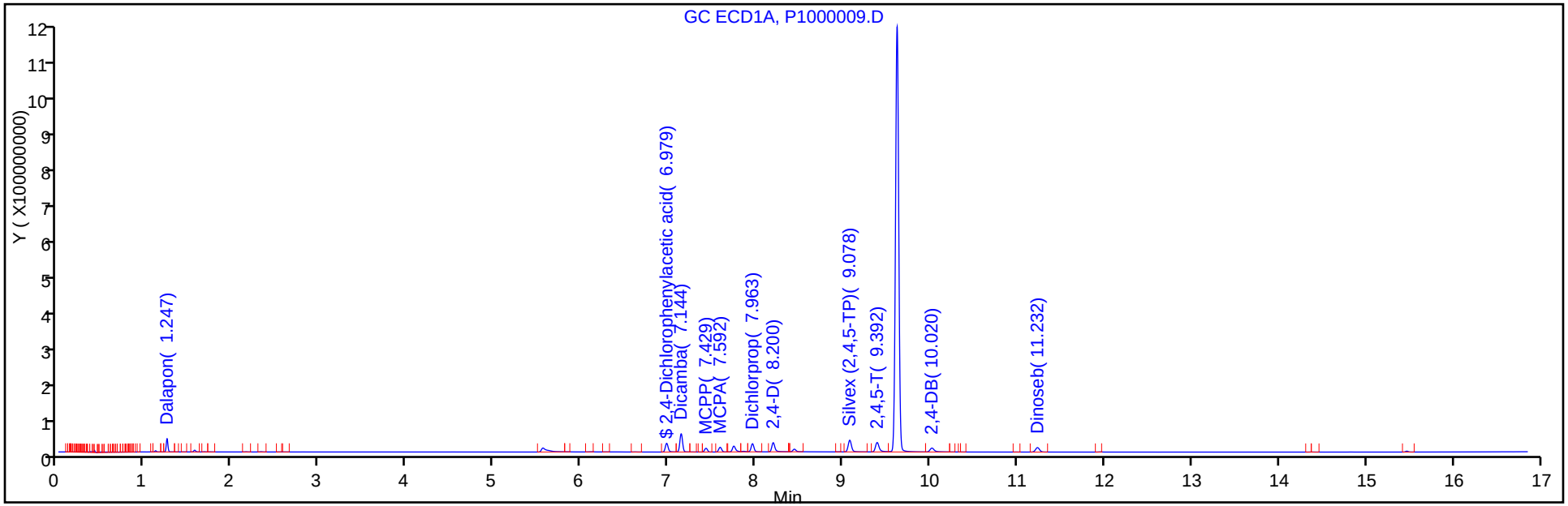
Report Date: 04-Dec-2012 09:15:39 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

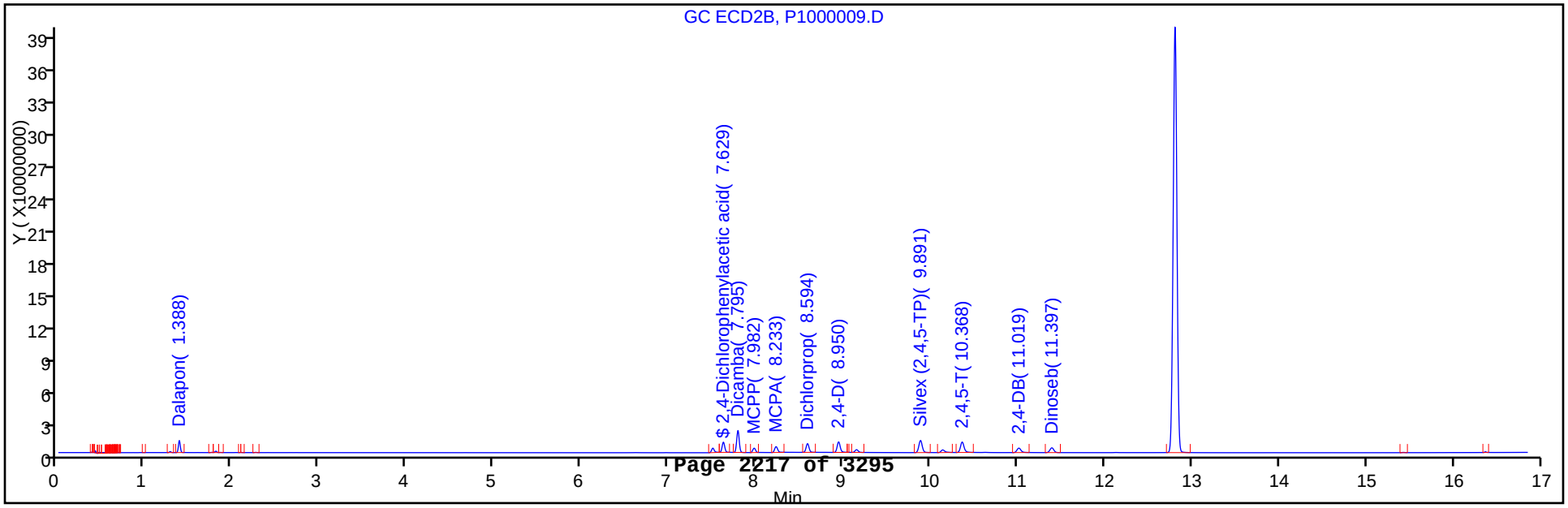
Data File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000009.D

Injection Date:	03-Dec-2012 19:04:40	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	67147	Lims Sample ID:	9
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000010.D		
Lims ID:	Std Corp5	Client ID:	
Inject. Date:	03-Dec-2012 19:28:32	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	240-0015481-010		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	10
Lims Batch ID:	67147	Lims Sample ID:	10
Sublist:	chrom-8151_1*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\8151_1.m		
Last Update:	04-Dec-2012 09:15:46	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		
First Level Reviewer: roachc		Date:	04-Dec-2012 09:15:46

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.248	1.248	0.000	64464485	0.1409	
2	1.388	1.388	0.000	21568381	0.1485	
					RPD = 5.20	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.980	6.979	0.001	41394251	0.2777	
2	7.629	7.629	0.000	18205505	0.2933	
					RPD = 5.46	
6 Dicamba						
1	7.146	7.145	0.001	89217031	0.1444	
2	7.796	7.797	-0.001	39099962	0.1529	
					RPD = 5.73	
10 MCPP						
1	7.431	7.429	0.002	15928704	30.9	
2	7.982	7.982	0.000	6860738	31.2	
					RPD = 0.92	
9 MCPA						
1	7.593	7.593	0.000	20151184	31.0	
2	8.233	8.233	0.000	9176494	32.3	
					RPD = 3.89	
7 Dichlorprop						
1	7.962	7.964	-0.002	38291247	0.2766	
2	8.594	8.594	0.000	15589718	0.2957	
					RPD = 6.68	
2 2,4-D						
1	8.199	8.202	-0.003	44428439	0.2951	
2	8.950	8.950	0.000	18850994	0.3040	
					RPD = 2.97	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						
1	9.078	9.079	-0.001	58502217	0.0766	
2	9.889	9.889	0.000	22295209	0.0785	
					RPD = 2.45	
1 2,4,5-T						
1	9.391	9.394	-0.003	49620375	0.0808	
2	10.367	10.369	-0.002	19353671	0.0798	
					RPD = 1.33	
3 2,4-DB						
1	10.019	10.024	-0.005	19127519	0.2996	
2	11.017	11.019	-0.002	7833671	0.2949	
					RPD = 1.58	
8 Dinoseb						
1	11.230	11.231	-0.001	21833119	0.0432	
2	11.395	11.395	0.000	8433303	0.0436	
					RPD = 1.04	

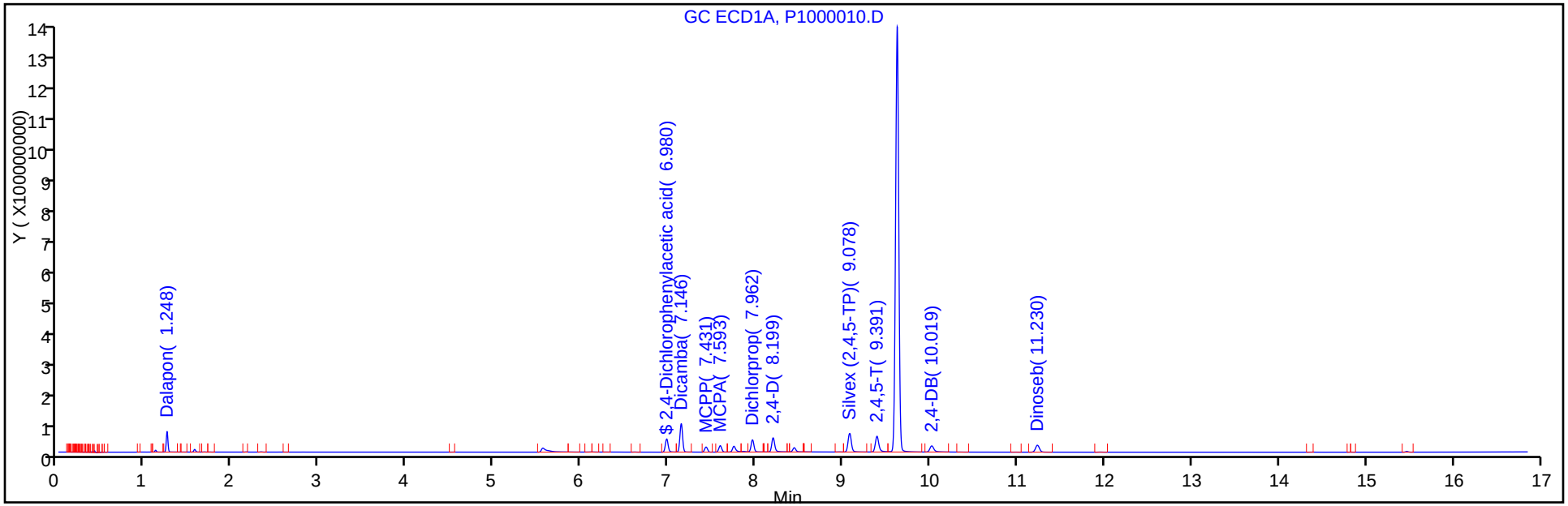
Report Date: 04-Dec-2012 09:15:47 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

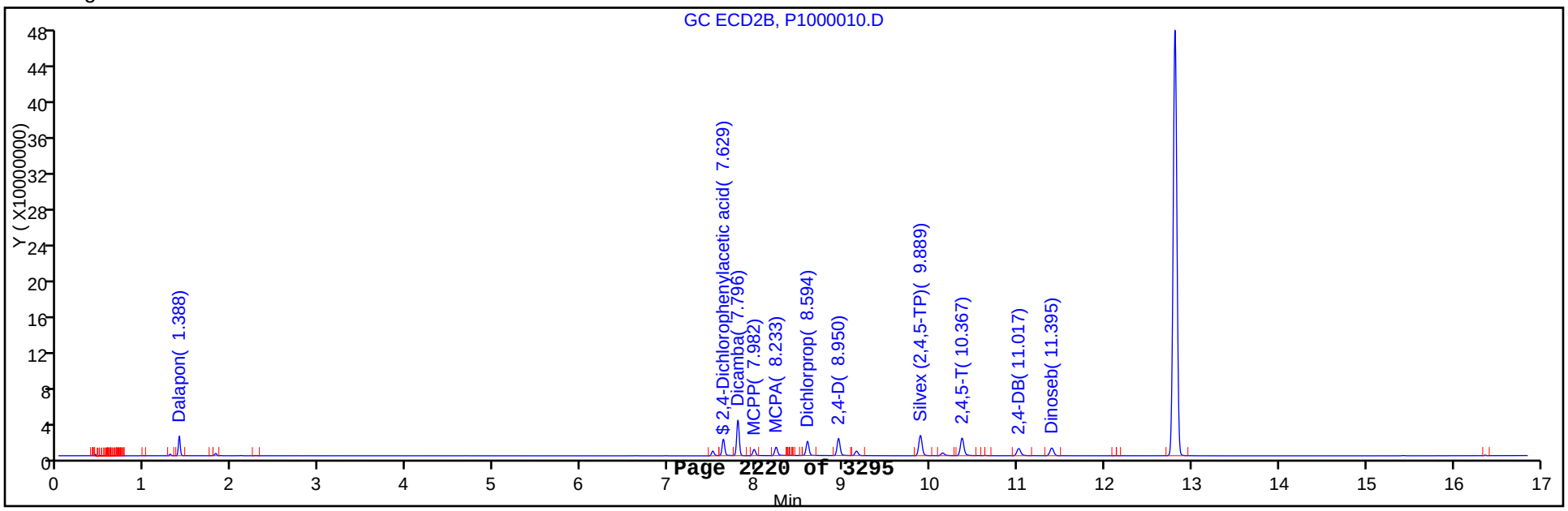
Data File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000010.D

Injection Date:	03-Dec-2012 19:28:32	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	67147	Lims Sample ID:	10
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Lims ID:	Std Corp6	Client ID:	
Inject. Date:	03-Dec-2012 19:52:08	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	240-0015481-011		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	11
Lims Batch ID:	67147	Lims Sample ID:	11
Sublist:	chrom-8151_1*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\8151_1.m		
Last Update:	04-Dec-2012 09:15:55	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		
First Level Reviewer: roachc		Date:	04-Dec-2012 09:15:55

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.248	1.248	0.000	121288028	0.2652	
2	1.388	1.388	0.000	42289940	0.2911	
					RPD = 9.32	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.977	6.979	-0.002	76833448	0.5154	
2	7.628	7.629	-0.001	35620172	0.5738	
					RPD = 10.72	
6 Dicamba						
1	7.144	7.145	-0.001	165905083	0.2685	
2	7.795	7.797	-0.002	76879929	0.3007	
					RPD = 11.29	
10 MCPP						
1	7.430	7.429	0.001	27783128	64.3	
2	7.982	7.982	0.000	12273119	64.2	
					RPD = 0.14	
9 MCPA						
1	7.592	7.593	-0.001	34976673	64.2	
2	8.234	8.233	0.001	16640034	60.9	
					RPD = 5.32	
7 Dichlorprop						
1	7.961	7.964	-0.003	70803641	0.5115	
2	8.592	8.594	-0.002	30747337	0.5832	
					RPD = 13.12	
2 2,4-D						
1	8.197	8.202	-0.005	84437992	0.5609	
2	8.949	8.950	-0.001	37727601	0.6085	
					RPD = 8.13	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						
1	9.075	9.079	-0.004	115480945	0.1513	
2	9.888	9.889	-0.001	45316748	0.1596	
					RPD = 5.38	
1 2,4,5-T						
1	9.387	9.394	-0.007	99096490	0.1615	
2	10.364	10.369	-0.005	39796636	0.1640	
					RPD = 1.59	
3 2,4-DB						
1	10.014	10.024	-0.010	39026974	0.6113	
2	11.014	11.019	-0.005	16205984	0.6101	
					RPD = 0.19	
8 Dinoseb						
1	11.229	11.231	-0.002	42511226	0.0840	
2	11.394	11.395	-0.001	17166642	0.0888	
					RPD = 5.48	

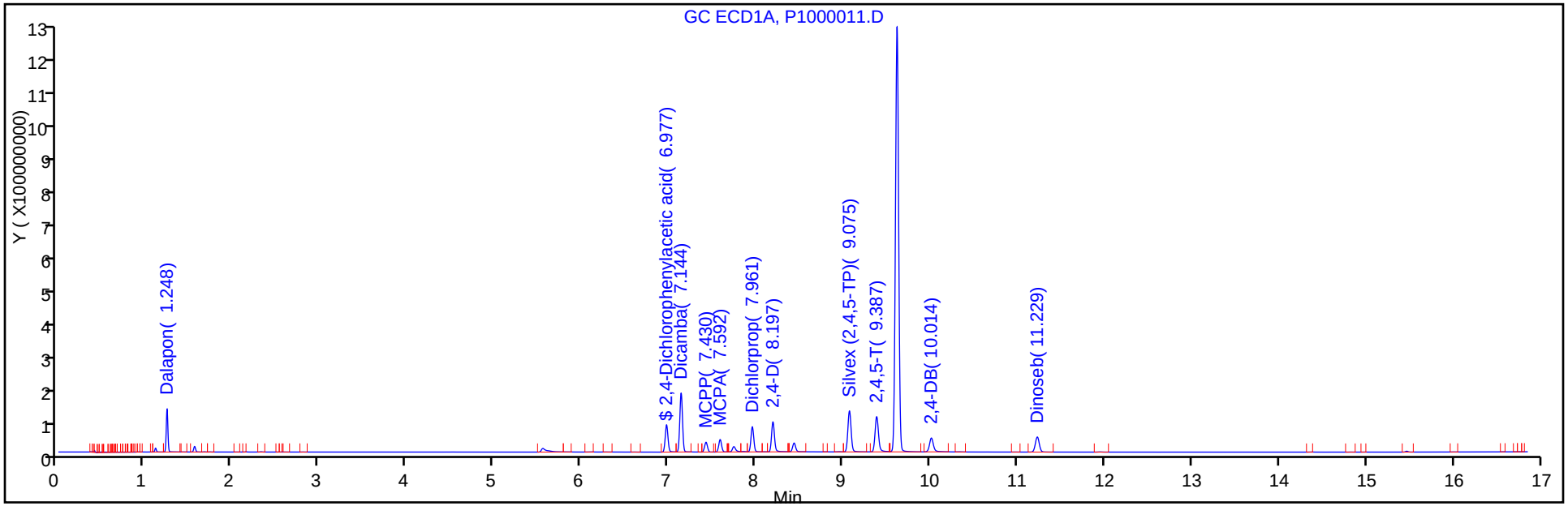
Report Date: 04-Dec-2012 09:15:56 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

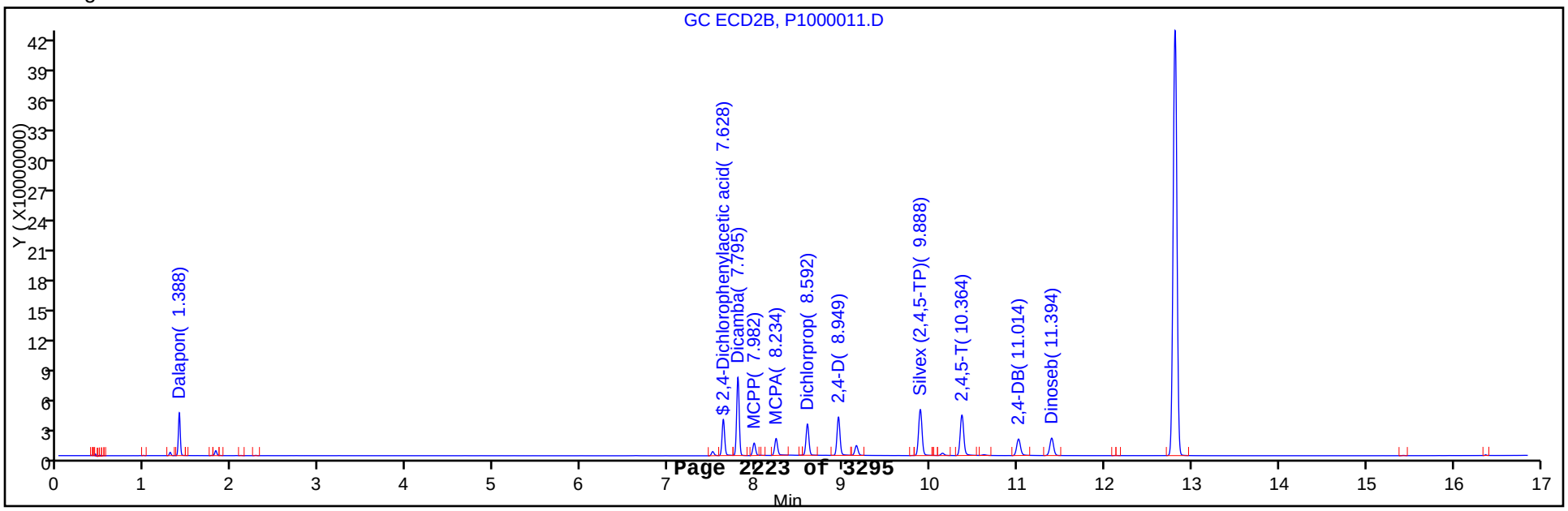
Data File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D

Injection Date:	03-Dec-2012 19:52:08	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	67147	Lims Sample ID:	11
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 67147

SDG No.:

Instrument ID: A2HP1 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2012 17:53 Calibration End Date: 12/03/2012 19:52 Calibration ID: 12574

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-67147/6	P1000006.D
Level 2	STD 240-67147/7	P1000007.D
Level 3	STD 240-67147/8	P1000008.D
Level 4	STD 240-67147/9	P1000009.D
Level 5	STD 240-67147/10	P1000010.D
Level 6	STD 240-67147/11	P1000011.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Dalapon	1.388	1.388	1.388	1.388	1.388	1.388					1.367 - 1.407	1.388
Dicamba	7.798	7.796	7.797	7.795	7.796	7.795					7.777 - 7.817	7.796
MCPP	7.983	7.981	7.982	7.982	7.982	7.982					7.962 - 8.002	7.982
MCPA	8.235	8.234	8.233	8.233	8.233	8.234					8.213 - 8.253	8.234
Dichlorprop	8.597	8.594	8.594	8.594	8.594	8.592					8.573 - 8.613	8.594
2,4-D	8.955	8.953	8.950	8.950	8.950	8.949					8.930 - 8.970	8.951
Silvex (2,4,5-TP)	9.892	9.892	9.889	9.891	9.889	9.888					9.869 - 9.909	9.890
2,4,5-T	10.371	10.369	10.369	10.368	10.367	10.364					10.347 - 10.387	10.368
2,4-DB	11.020	11.022	11.019	11.019	11.017	11.014					10.997 - 11.037	11.019
Dinoseb	11.397	11.398	11.395	11.397	11.395	11.394					11.366 - 11.426	11.396
2,4-Dichlorophenylacetic acid	7.631	7.629	7.629	7.629	7.629	7.628					7.609 - 7.649	7.629

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 67147

SDG No.:

Instrument ID: A2HP1 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2012 17:53 Calibration End Date: 12/03/2012 19:52 Calibration ID: 12574

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-67147/6	P1000006.D
Level 2	STD 240-67147/7	P1000007.D
Level 3	STD 240-67147/8	P1000008.D
Level 4	STD 240-67147/9	P1000009.D
Level 5	STD 240-67147/10	P1000010.D
Level 6	STD 240-67147/11	P1000011.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Dalapon	165611700 134802381	153427900 132156063	146866975	138848825	Ave		145285641				8.7		20.0			
Dicamba	274536800 244374763	262731850 240249778	258741075	253614150	Ave		255708069				4.9		20.0			
MCPP	355601 214398	332650 191767	299528	251359	Qua	442093.477	226285.452	-654.01149						0.9990		0.9900
MCPA	562122 286765	467954 260001	411211	334477	Lin1	771490.673	260515.619							0.9900		0.9900
Dichlorprop	60376750 48717869	55491150 48042714	53525575	50154819	Ave		52718146.1				9.0		20.0			
2,4-D	67234400 58909356	63707325 58949377	62677938	60552431	Ave		62005137.8				5.2		20.0			
Silvex (2,4,5-TP)	296119000 278690113	285726100 283229675	279492850	280165650	Ave		283903898				2.3		20.0			
2,4,5-T	245612800 241920888	236374300 248728975	242034750	240999025	Ave		242611790				1.7		20.0			
2,4-DB	29400950 24480222	27568625 25321850	26971525	25630938	Ave		26562351.6				6.7		20.0			
Dinoseb	220233333 175693813	209759667 178819188	192569250	183153042	Ave		193371382				9.3		20.0			
2,4-Dichlorophenylacetic acid	71266300 56892203	66089400 55656519	63735675	58828800	Ave		62078149.5				9.7		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 67147

SDG No.:

Instrument ID: A2HP1 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2012 17:53 Calibration End Date: 12/03/2012 19:52 Calibration ID: 12574

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-67147/6	P1000006.D
Level 2	STD 240-67147/7	P1000007.D
Level 3	STD 240-67147/8	P1000008.D
Level 4	STD 240-67147/9	P1000009.D
Level 5	STD 240-67147/10	P1000010.D
Level 6	STD 240-67147/11	P1000011.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dalapon	Ave	1656117 42289940	3068558	5874679	11107906	21568381	0.0100 0.320	0.0200	0.0400	0.0800	0.160
Dicamba	Ave	2745368 76879929	5254637	10349643	20289132	39099962	0.0100 0.320	0.0200	0.0400	0.0800	0.160
MCPP	Qua	711202 12273119	1330598	2396223	4021745	6860738	2.00 64.0	4.00	8.00	16.0	32.0
MCPA	Lin1	1124243 16640034	1871817	3289686	5351638	9176494	2.00 64.0	4.00	8.00	16.0	32.0
Dichlorprop	Ave	1207535 30747337	2219646	4282046	8024771	15589718	0.0200 0.640	0.0400	0.0800	0.160	0.320
2,4-D	Ave	1344688 37727601	2548293	5014235	9688389	18850994	0.0200 0.640	0.0400	0.0800	0.160	0.320
Silvex (2,4,5-TP)	Ave	1480595 45316748	2857261	5589857	11206626	22295209	0.00500 0.160	0.0100	0.0200	0.0400	0.0800
2,4,5-T	Ave	1228064 39796636	2363743	4840695	9639961	19353671	0.00500 0.160	0.0100	0.0200	0.0400	0.0800
2,4-DB	Ave	588019 16205984	1102745	2157722	4100950	7833671	0.0200 0.640	0.0400	0.0800	0.160	0.320
Dinoseb	Ave	660700 17166642	1258558	2310831	4395673	8433303	0.00300 0.0960	0.00600	0.0120	0.0240	0.0480
2,4-Dichlorophenylacetic acid	Ave	1425326 35620172	2643576	5098854	9412608	18205505	0.0200 0.640	0.0400	0.0800	0.160	0.320

Curve Type Legend:

Ave = Average by Height
Lin1 = Linear 1/Conc by Height
Qua = Quadratic by Height

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000006.D
Lims ID: Std Corp1 Client ID:
Inject. Date: 03-Dec-2012 17:53:38 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0015481-006
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 6
Lims Batch ID: 67147 Lims Sample ID: 6
Sublist: chrom-8151_1*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP1\20121203-15481.b\8151_1.m
Last Update: 04-Dec-2012 09:15:01 Calib Date: 03-Dec-2012 19:52:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK005

First Level Reviewer: roachc Date: 04-Dec-2012 09:15:01

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						M
1	1.248	1.247	0.001	5515076	0.0121	M
2	1.388	1.387	0.001	1656117	0.0114	M
					RPD = 5.61	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.981	6.977	0.004	3550470	0.0238	
2	7.631	7.629	0.002	1425326	0.0230	
					RPD = 3.67	
6 Dicamba						
1	7.147	7.144	0.003	7140158	0.0116	
2	7.798	7.797	0.001	2745368	0.0107	
					RPD = 7.36	
10 MCPP						
1	7.431	7.428	0.003	1723275	0.9304	
2	7.983	7.982	0.001	711202	1.19	
					RPD = 24.76	
9 MCPA						
1	7.593	7.591	0.002	2630120	1.00	
2	8.235	8.233	0.002	1124243	1.35	
					RPD = 30.42	
7 Dichlorprop						M
1	7.965	7.962	0.003	3262903	0.0236	
2	8.597	8.593	0.004	1207535	0.0229	M
					RPD = 2.86	
2 2,4-D						M
1	8.208	8.199	0.009	3315446	0.0220	
2	8.955	8.950	0.005	1344688	0.0217	M
					RPD = 1.54	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						M
1	9.083	9.077	0.006	3995766	0.005234	
2	9.892	9.889	0.003	1480595	0.005215	M
					RPD = 0.36	
1 2,4,5-T						
1	9.398	9.390	0.008	3006201	0.004898	
2	10.371	10.367	0.004	1228064	0.005062	
					RPD = 3.29	
3 2,4-DB						M
1	10.029	10.021	0.008	1315132	0.0206	
2	11.020	11.017	0.003	588019	0.0221	M
					RPD = 7.20	
8 Dinoseb						M
1	11.235	11.229	0.006	1744746	0.003449	
2	11.397	11.396	0.001	660700	0.003417	M
					RPD = 0.94	

QC Flag Legend

Review Flags
M - Manually Integrated

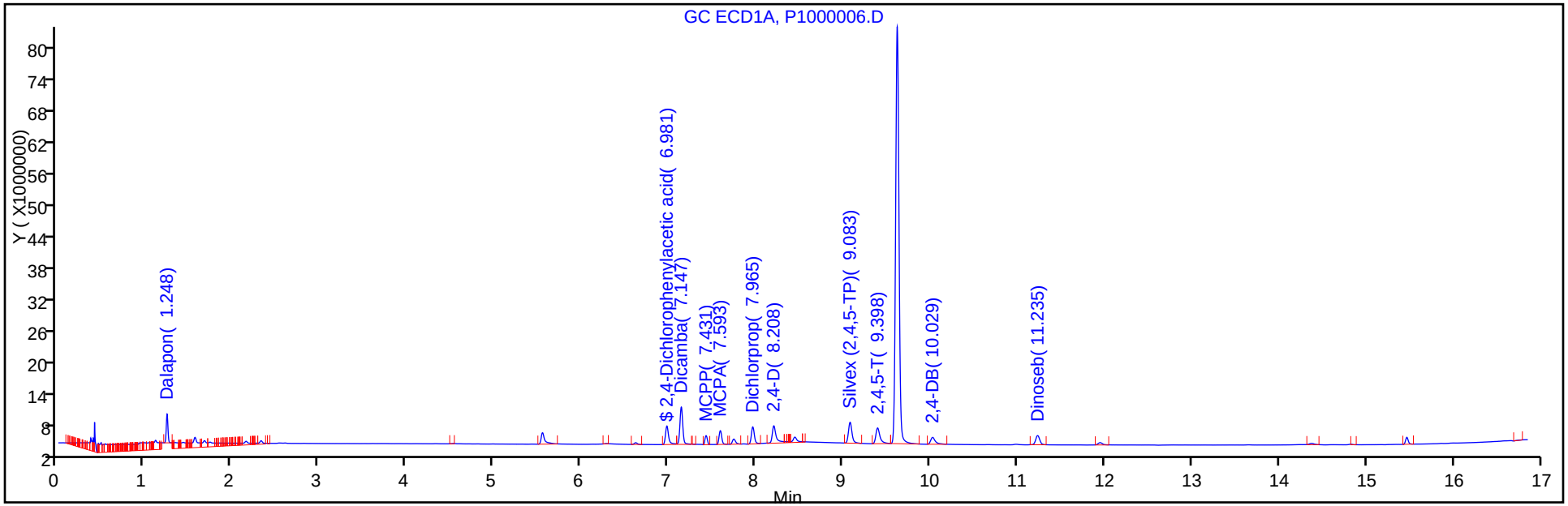
Report Date: 04-Dec-2012 09:15:03 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

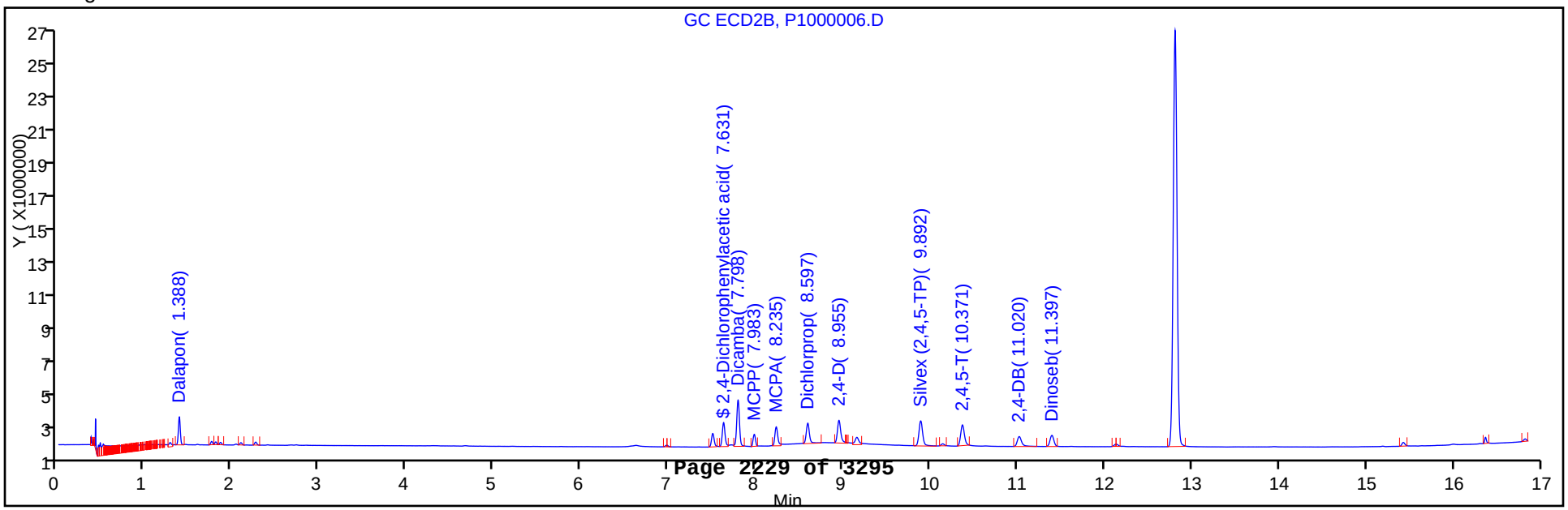
Data File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000006.D

Injection Date:	03-Dec-2012 17:53:38	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	67147	Lims Sample ID:	6
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



Manual Integration/User Assign Peak Report

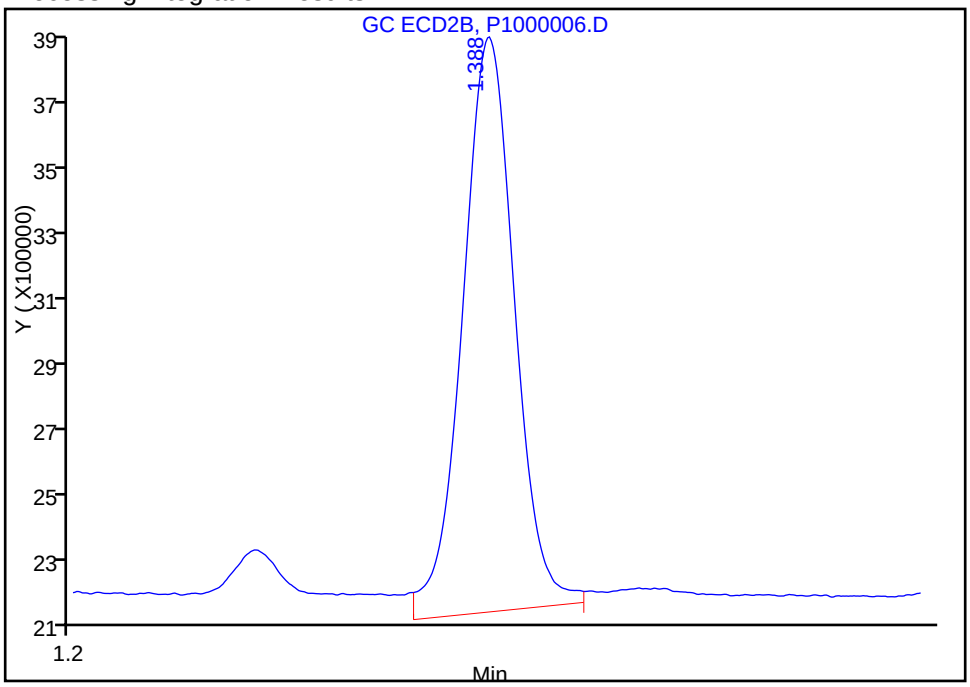
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000006.D		
Injection Date:	03-Dec-2012 17:53:38	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	67147	Lims Sample ID:	6
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

5 Dalapon, Signal: 2, Type: quant, RT: 1.39, Det: GC ecd2b

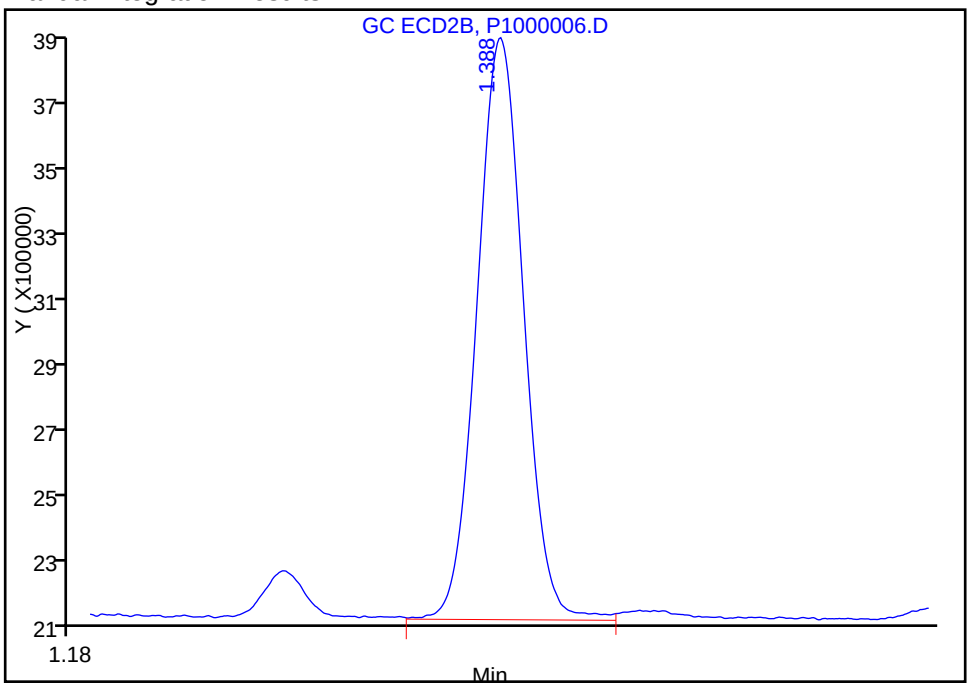
Processing Integration Results

RT: 1.39
Response: 1700362
Amount: 0.011644



Manual Integration Results

RT: 1.39
Response: 1656117
Amount: 0.011399



Reviewer: roachc, 04-Dec-2012 07:58:06
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

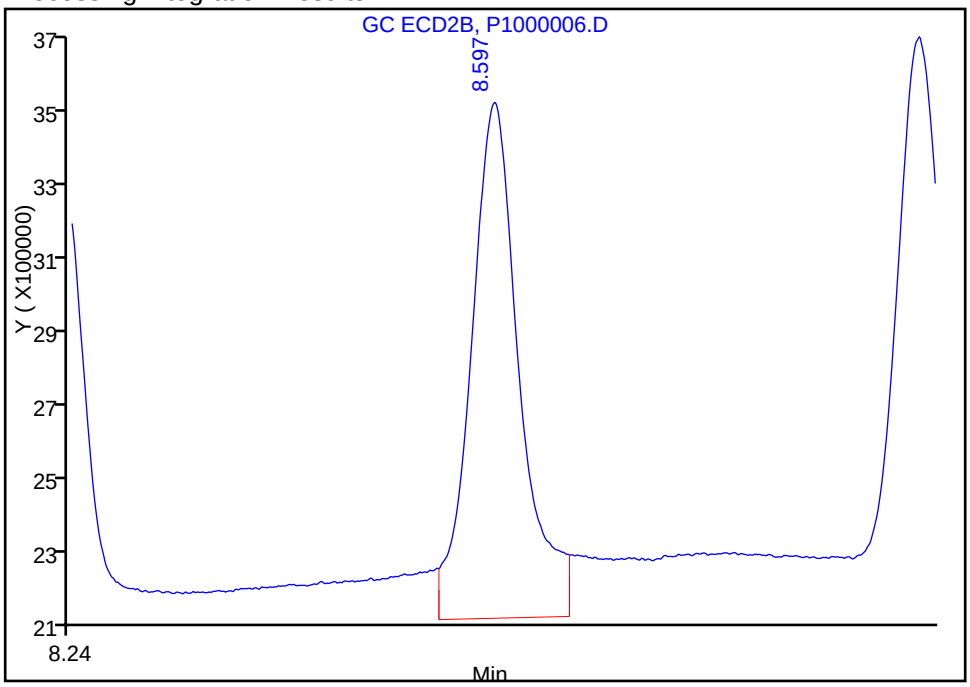
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000006.D		
Injection Date:	03-Dec-2012 17:53:38	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	67147	Lims Sample ID:	6
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

7 Dichlorprop, Signal: 2, Type: quant, RT: 8.59, Det: GC ecd2b

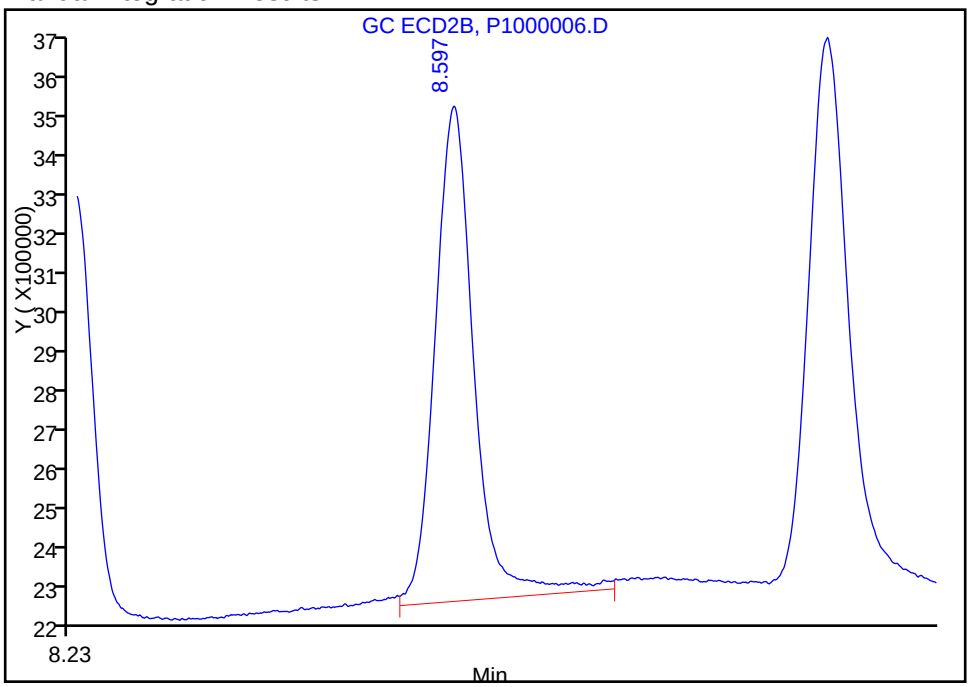
Processing Integration Results

RT: 8.60
Response: 1315950
Amount: 0.024495



Manual Integration Results

RT: 8.60
Response: 1207535
Amount: 0.022905



Reviewer: roachc, 04-Dec-2012 07:58:06
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

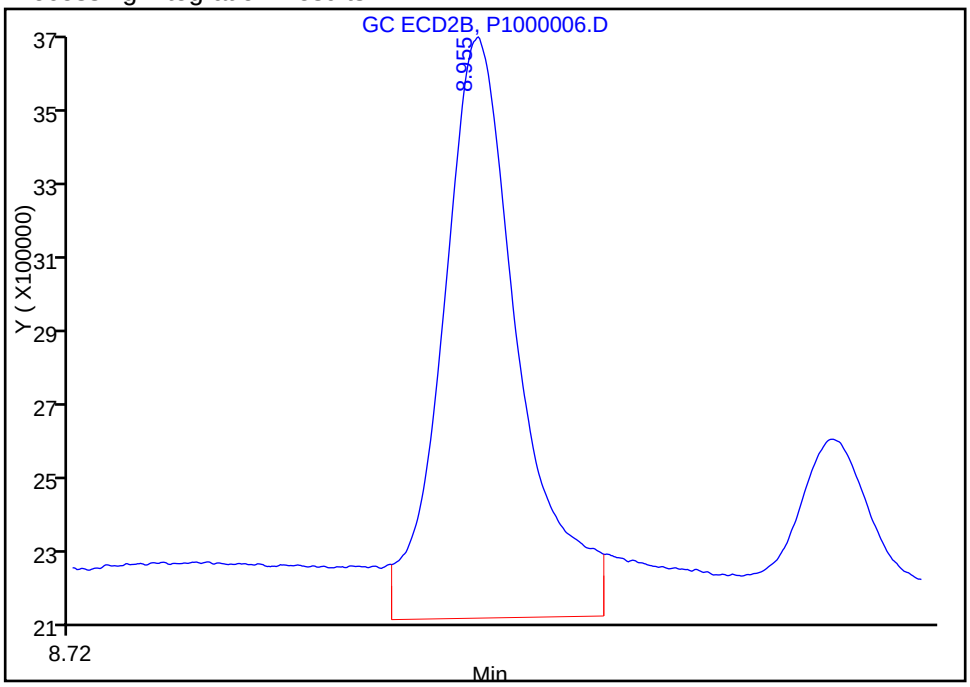
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000006.D		
Injection Date:	03-Dec-2012 17:53:38	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	67147	Lims Sample ID:	6
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

2 2,4-D, Signal: 2, Type: quant, RT: 8.95, Det: GC ecd2b

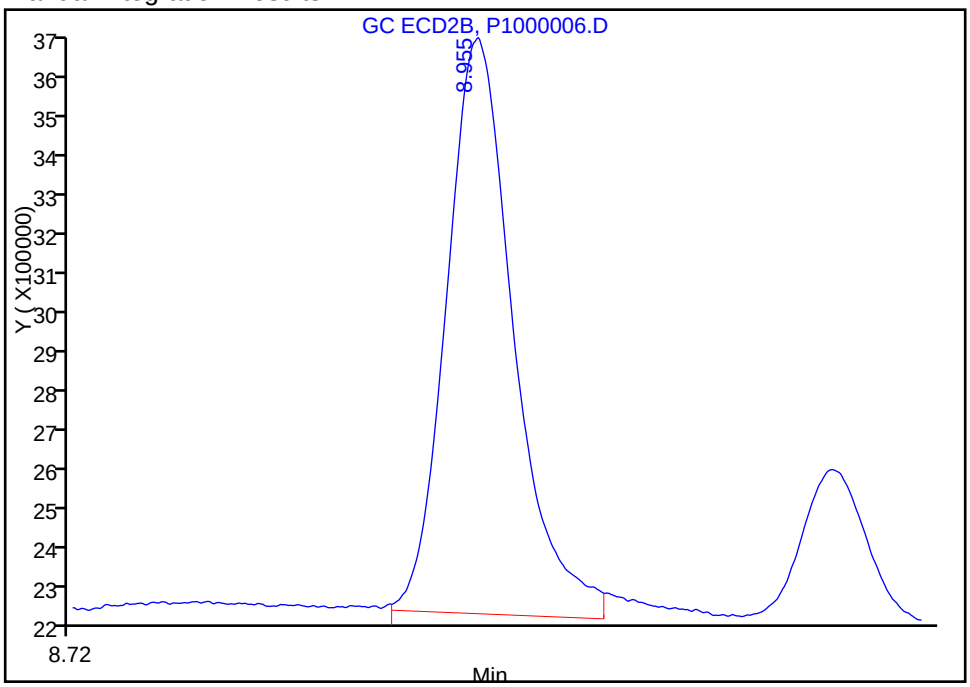
Processing Integration Results

RT: 8.96
Response: 1456896
Amount: 0.023147



Manual Integration Results

RT: 8.96
Response: 1344688
Amount: 0.021687



Reviewer: roachc, 04-Dec-2012 07:58:06
Audit Action: Assigned New Baseline
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

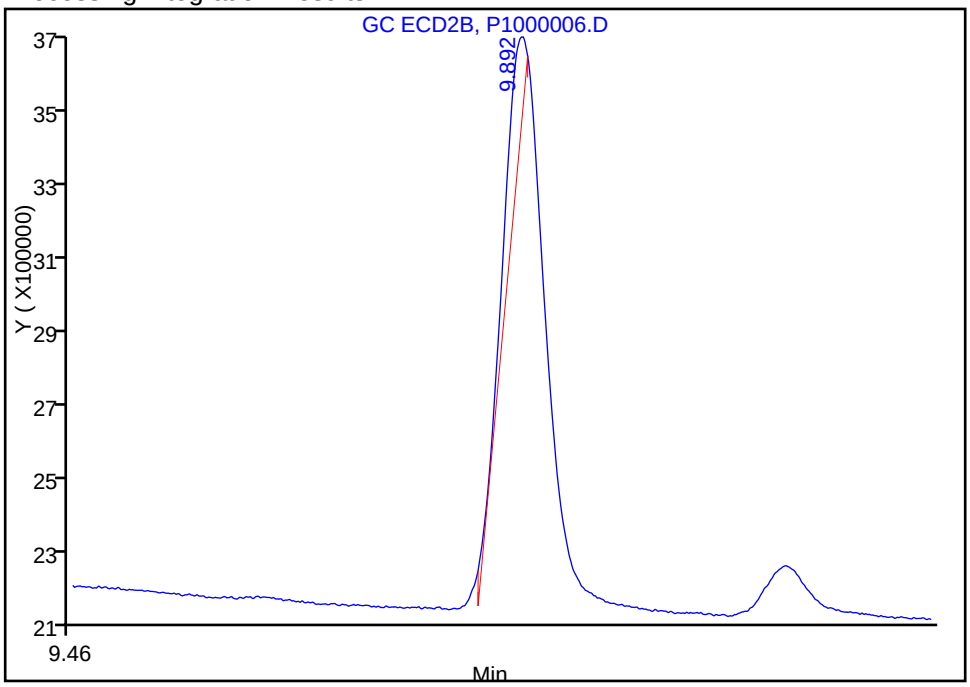
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000006.D		
Injection Date:	03-Dec-2012 17:53:38	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	67147	Lims Sample ID:	6
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

12 Silvex (2,4,5-TP), Signal: 2, Type: quant, RT: 9.89, Det: GC ecd2b

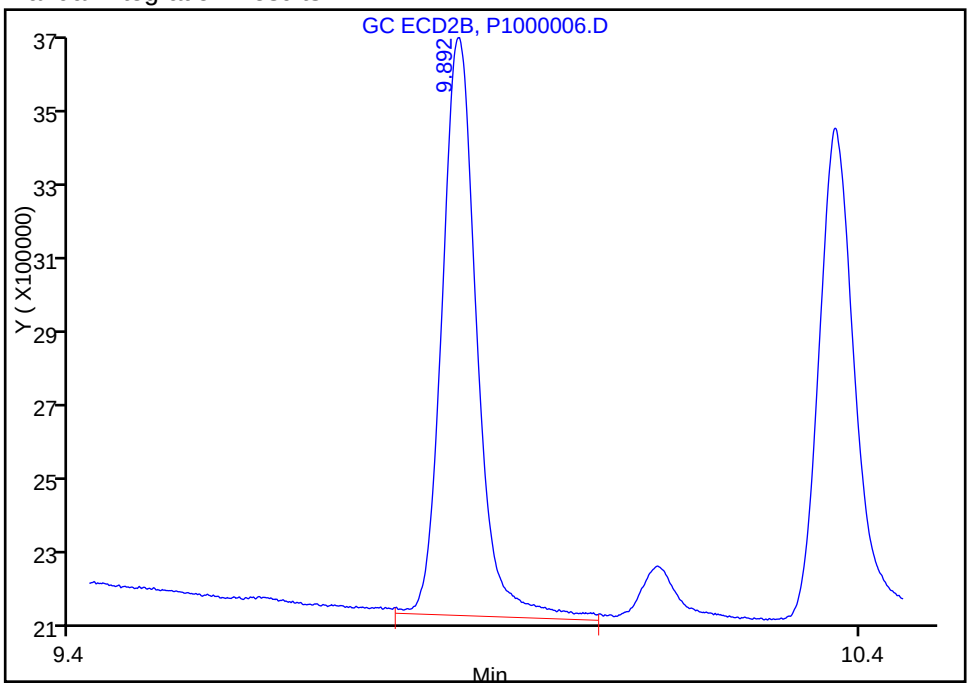
Processing Integration Results

RT: 9.89
Response: 222097
Amount: 0.003387



Manual Integration Results

RT: 9.89
Response: 1480595
Amount: 0.005215



Reviewer: roachc, 04-Dec-2012 07:58:06
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

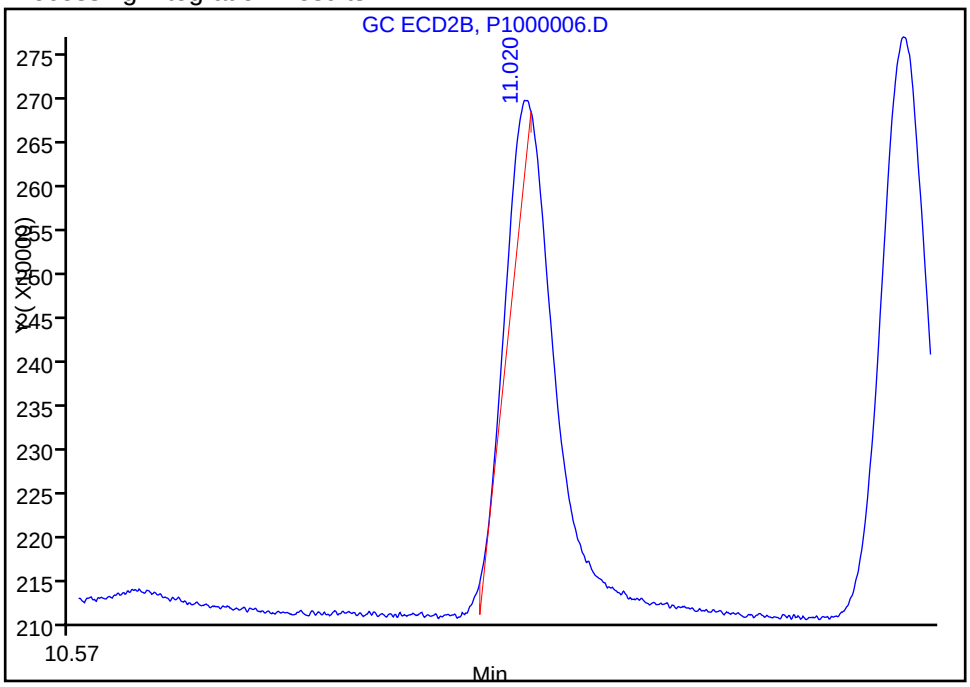
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000006.D		
Injection Date:	03-Dec-2012 17:53:38	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	67147	Lims Sample ID:	6
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

3 2,4-DB, Signal: 2, Type: quant, RT: 11.02, Det: GC ecd2b

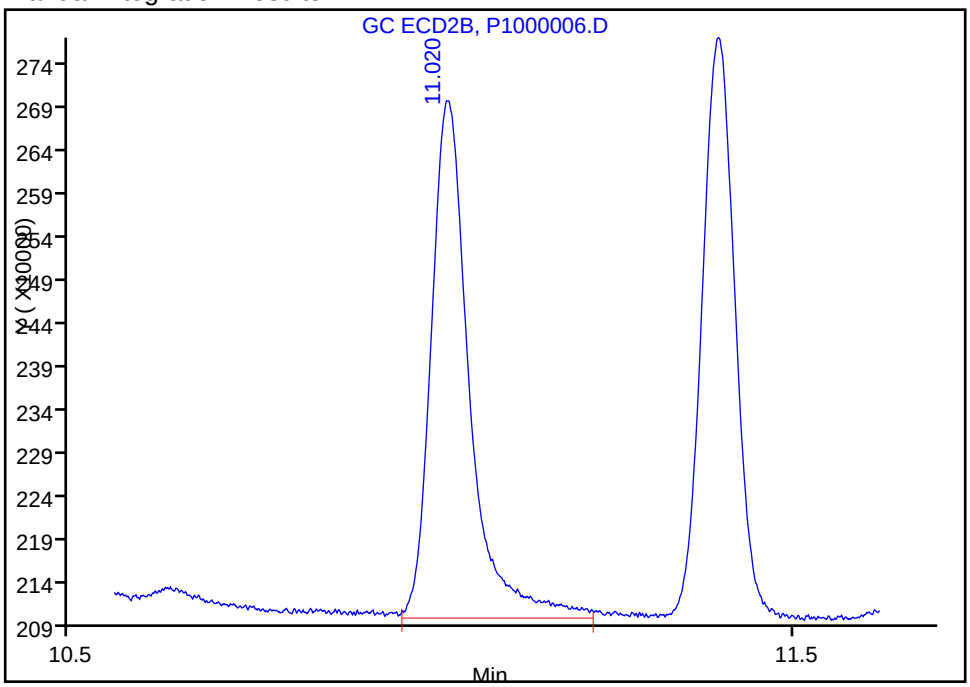
Processing Integration Results

RT: 11.02
Response: 87072
Amount: 0.011921



Manual Integration Results

RT: 11.02
Response: 588019
Amount: 0.022137



Reviewer: roachc, 04-Dec-2012 07:58:06
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

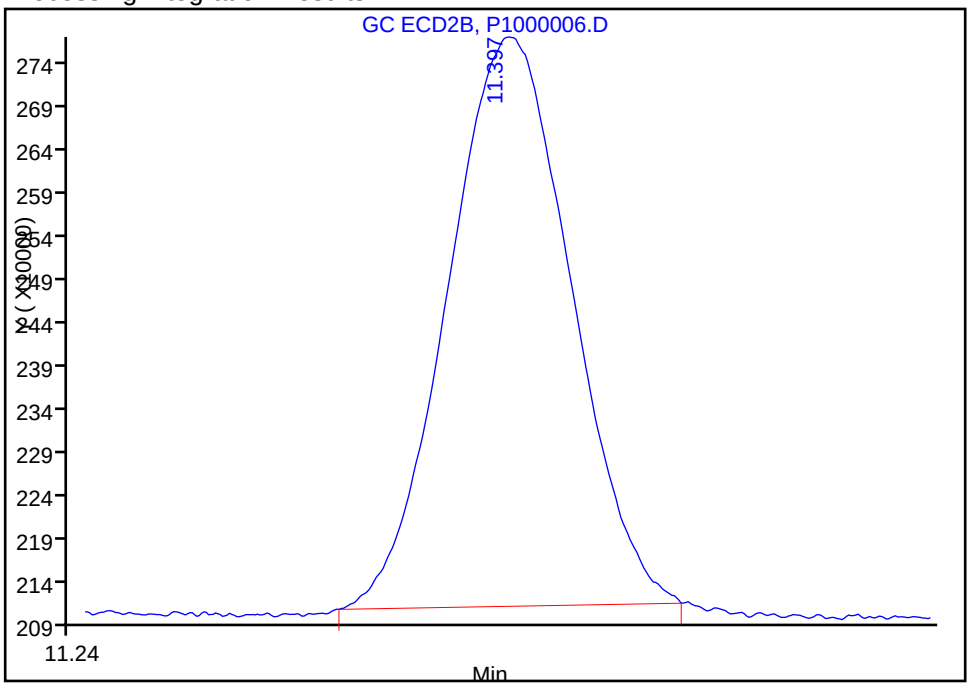
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000006.D		
Injection Date:	03-Dec-2012 17:53:38	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	67147	Lims Sample ID:	6
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

8 Dinoseb, Signal: 2, Type: quant, RT: 11.40, Det: GC ecd2b

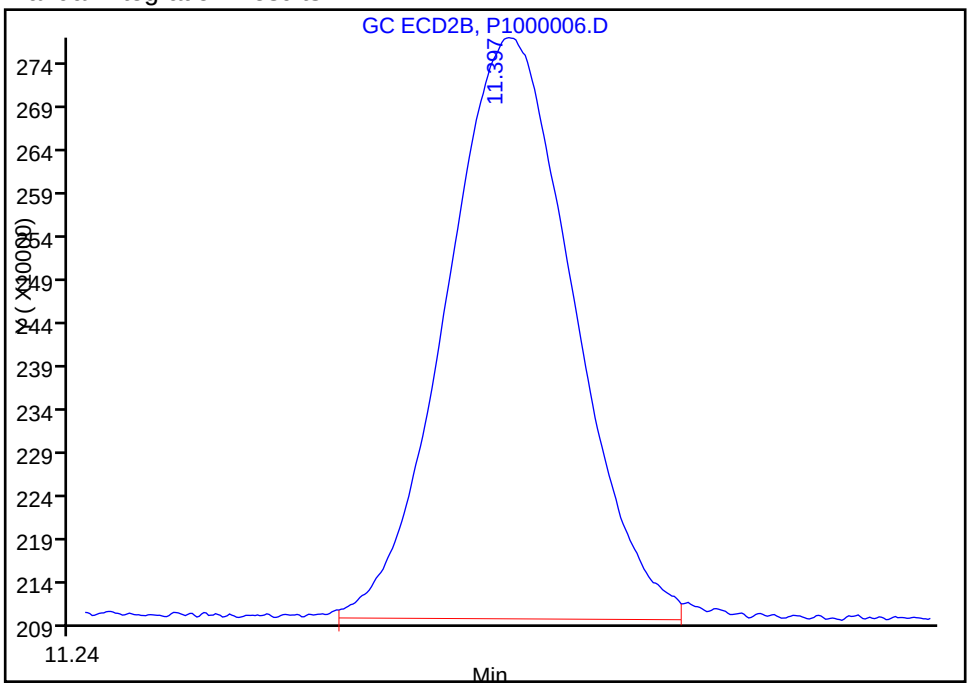
Processing Integration Results

RT: 11.40
Response: 647272
Amount: 0.003371



Manual Integration Results

RT: 11.40
Response: 660700
Amount: 0.003417



Reviewer: roachc, 04-Dec-2012 07:58:06
Audit Action: Assigned New Baseline
Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000007.D		
Lims ID:	Std Corp2	Client ID:	
Inject. Date:	03-Dec-2012 18:17:22	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	240-0015481-007		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	7
Lims Batch ID:	67147	Lims Sample ID:	7
Sublist:	chrom-8151_1*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\8151_1.m		
Last Update:	04-Dec-2012 09:15:16	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		
First Level Reviewer: roachc		Date:	04-Dec-2012 09:15:16

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.248	1.247	0.001	10070689	0.0220	
2	1.388	1.387	0.001	3068558	0.0211	
					RPD = 4.15	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.979	6.977	0.002	6730912	0.0452	
2	7.629	7.629	0.000	2643576	0.0426	
					RPD = 5.85	
6 Dicamba						
1	7.144	7.144	0.000	13648850	0.0221	
2	7.796	7.797	-0.001	5254637	0.0205	
					RPD = 7.23	
10 MCPP						
1	7.429	7.428	0.001	3361524	4.05	
2	7.981	7.982	-0.001	1330598	3.97	
					RPD = 2.01	
9 MCPA						
1	7.592	7.591	0.001	4590699	4.05	
2	8.234	8.233	0.001	1871817	4.22	
					RPD = 4.16	
7 Dichlorprop						
1	7.964	7.962	0.002	6369184	0.0460	
2	8.594	8.593	0.001	2219646	0.0421	
					RPD = 8.86	
2 2,4-D						
1	8.204	8.199	0.005	6345052	0.0421	
2	8.953	8.950	0.003	2548293	0.0411	
					RPD = 2.53	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						
1	9.079	9.077	0.002	7861390	0.0103	
2	9.892	9.889	0.003	2857261	0.0101	
					RPD = 2.29	
1 2,4,5-T						
1	9.396	9.390	0.006	6203754	0.0101	
2	10.369	10.367	0.002	2363743	0.009743	
					RPD = 3.67	
3 2,4-DB						
1	10.024	10.021	0.003	2705077	0.0424	
2	11.022	11.017	0.005	1102745	0.0415	
					RPD = 2.04	
8 Dinoseb						M
1	11.234	11.229	0.005	3346932	0.006616	
2	11.398	11.396	0.002	1258558	0.006509	M
					RPD = 1.64	

QC Flag Legend

Review Flags
M - Manually Integrated

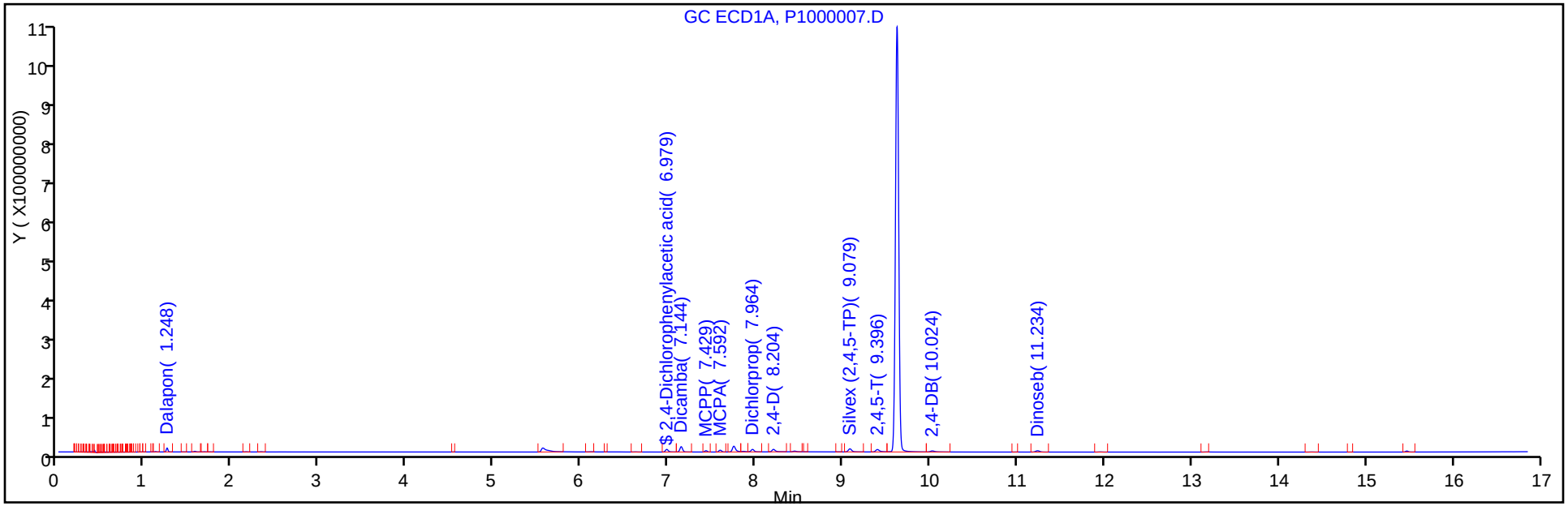
Report Date: 04-Dec-2012 09:15:17 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

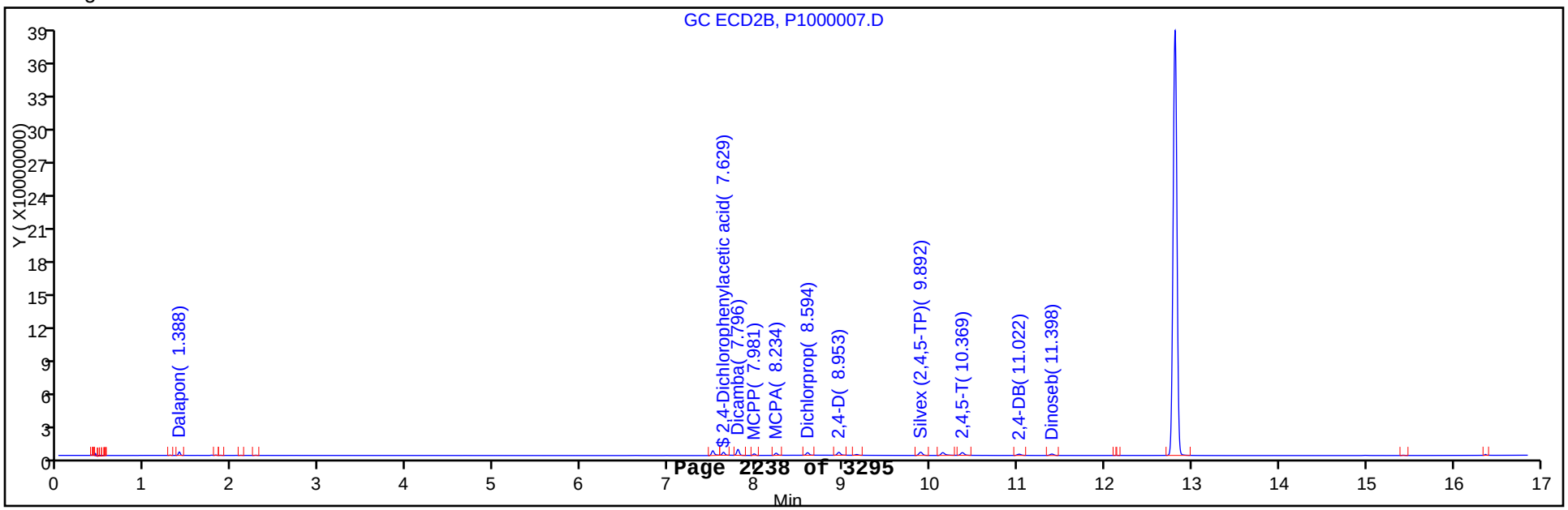
Data File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000007.D

Injection Date:	03-Dec-2012 18:17:22	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	67147	Lims Sample ID:	7
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



Manual Integration/User Assign Peak Report

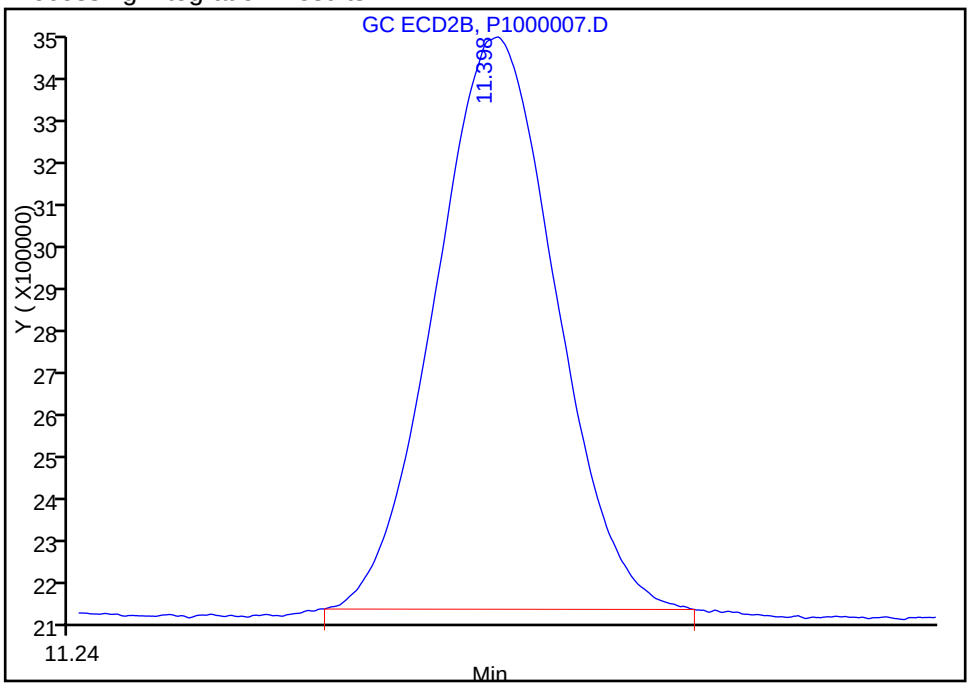
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000007.D		
Injection Date:	03-Dec-2012 18:17:22	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	67147	Lims Sample ID:	7
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

8 Dinoseb, Signal: 2, Type: quant, RT: 11.40, Det: GC ecd2b

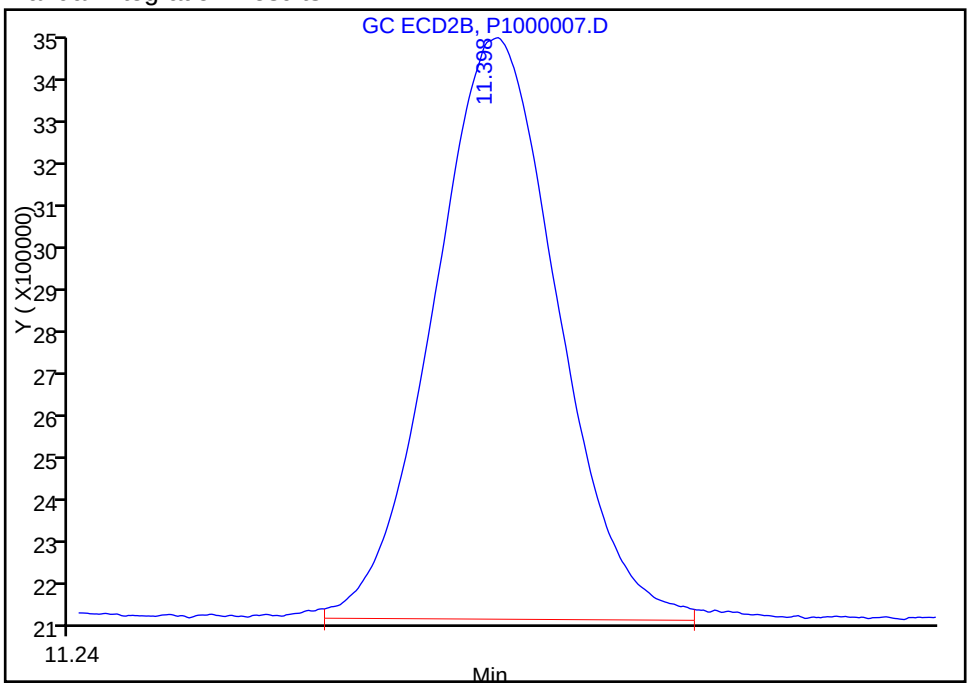
Processing Integration Results

RT: 11.40
Response: 1236931
Amount: 0.006417



Manual Integration Results

RT: 11.40
Response: 1258558
Amount: 0.006509



Reviewer: roachc, 04-Dec-2012 07:59:01
Audit Action: Assigned New Baseline
Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000008.D		
Lims ID:	Std Corp3	Client ID:	
Inject. Date:	03-Dec-2012 18:41:03	Dil. Factor:	1.0000
Sample Type:	ICRT	Calib Level:	3
Sample ID:	240-0015481-008		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	8
Lims Batch ID:	67147	Lims Sample ID:	8
Sublist:	chrom-8151_1*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\8151_1.m		
Last Update:	04-Dec-2012 09:15:28	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		
First Level Reviewer: roachc		Date:	04-Dec-2012 09:15:28

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.248	1.248	0.000	18870741	0.0413	
2	1.388	1.388	0.000	5874679	0.0404	
					RPD = 2.01	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.979	6.979	0.000	12571987	0.0843	
2	7.629	7.629	0.000	5098854	0.0821	
					RPD = 2.64	
6 Dicamba						
1	7.145	7.145	0.000	25619907	0.0415	
2	7.797	7.797	0.000	10349643	0.0405	
					RPD = 2.42	
10 MCPP						
1	7.429	7.429	0.000	5903220	9.04	
2	7.982	7.982	0.000	2396223	8.86	
					RPD = 2.01	
9 MCPA						
1	7.593	7.593	0.000	7697459	9.03	
2	8.233	8.233	0.000	3289686	9.67	
					RPD = 6.83	
7 Dichlorprop						M
1	7.964	7.964	0.000	11613196	0.0839	
2	8.594	8.594	0.000	4282046	0.0812	M
					RPD = 3.23	
2 2,4-D						
1	8.202	8.202	0.000	12712921	0.0844	
2	8.950	8.950	0.000	5014235	0.0809	
					RPD = 4.33	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						
1	9.079	9.079	0.000	15570595	0.0204	
2	9.889	9.889	0.000	5589857	0.0197	
					RPD = 3.52	
1 2,4,5-T						
1	9.394	9.394	0.000	12165220	0.0198	
2	10.369	10.369	0.000	4840695	0.0200	
					RPD = 0.67	
3 2,4-DB						
1	10.024	10.024	0.000	5239246	0.0821	
2	11.019	11.019	0.000	2157722	0.0812	
					RPD = 1.02	
8 Dinoseb						
1	11.231	11.231	0.000	6202413	0.0123	
2	11.395	11.395	0.000	2310831	0.0120	
					RPD = 2.57	

QC Flag Legend

Review Flags
M - Manually Integrated

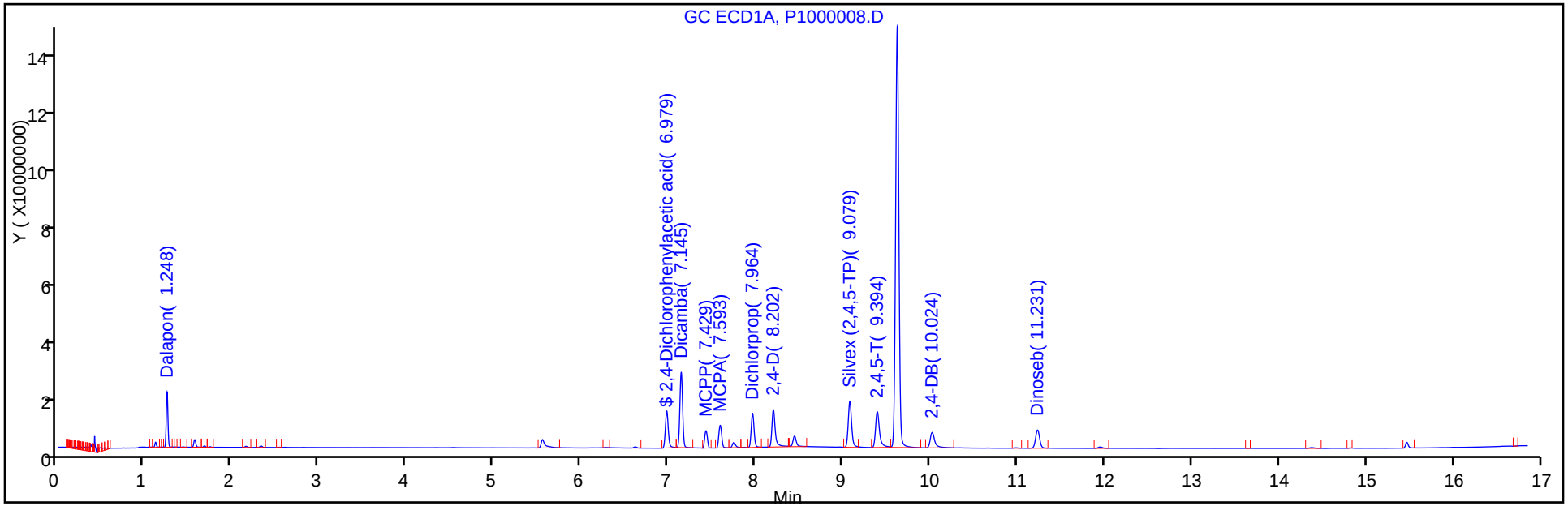
Report Date: 04-Dec-2012 09:15:29 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

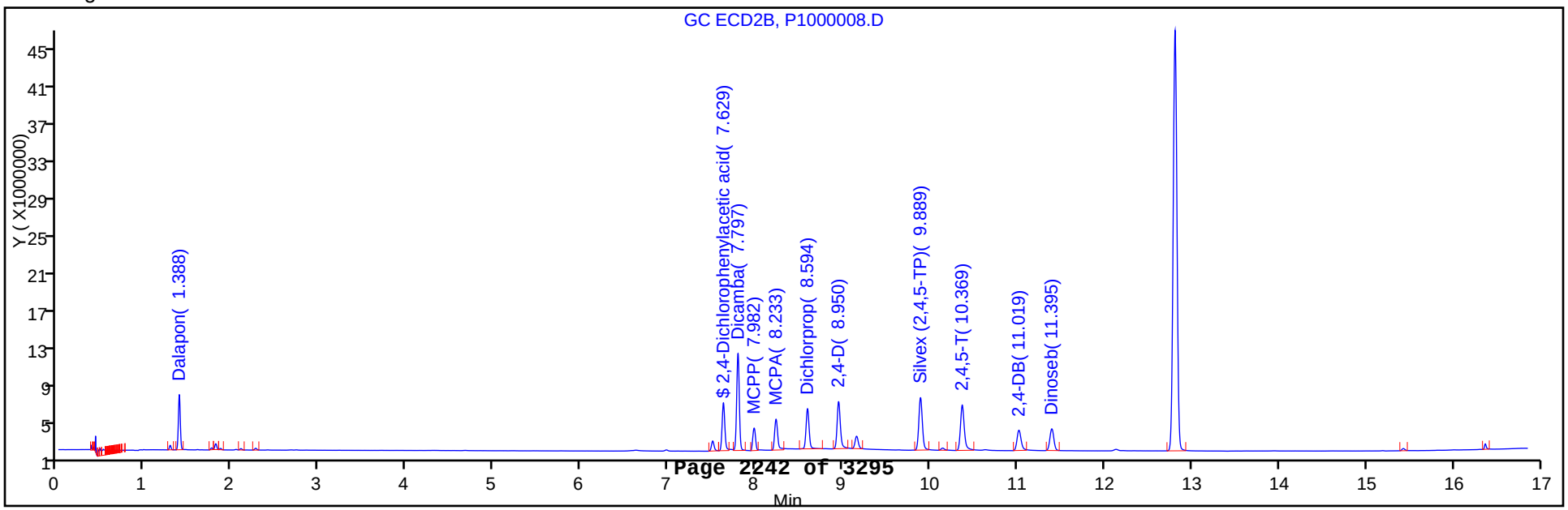
Data File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000008.D

Injection Date:	03-Dec-2012 18:41:03	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	67147	Lims Sample ID:	8
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



Manual Integration/User Assign Peak Report

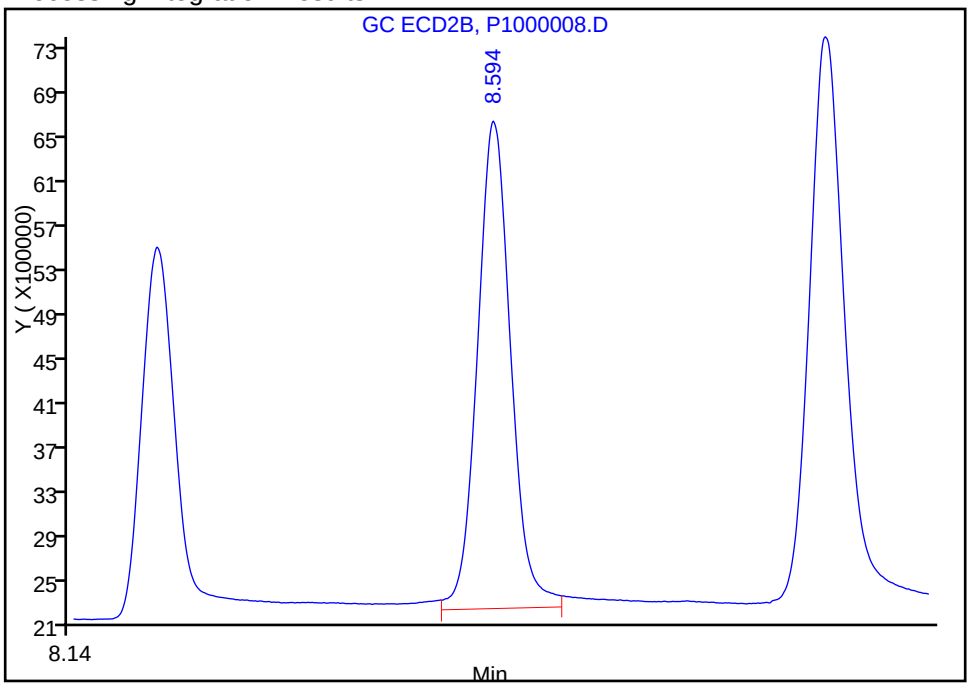
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000008.D		
Injection Date:	03-Dec-2012 18:41:03	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	67147	Lims Sample ID:	8
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

7 Dichlorprop, Signal: 2, Type: quant, RT: 8.59, Det: GC ecd2b

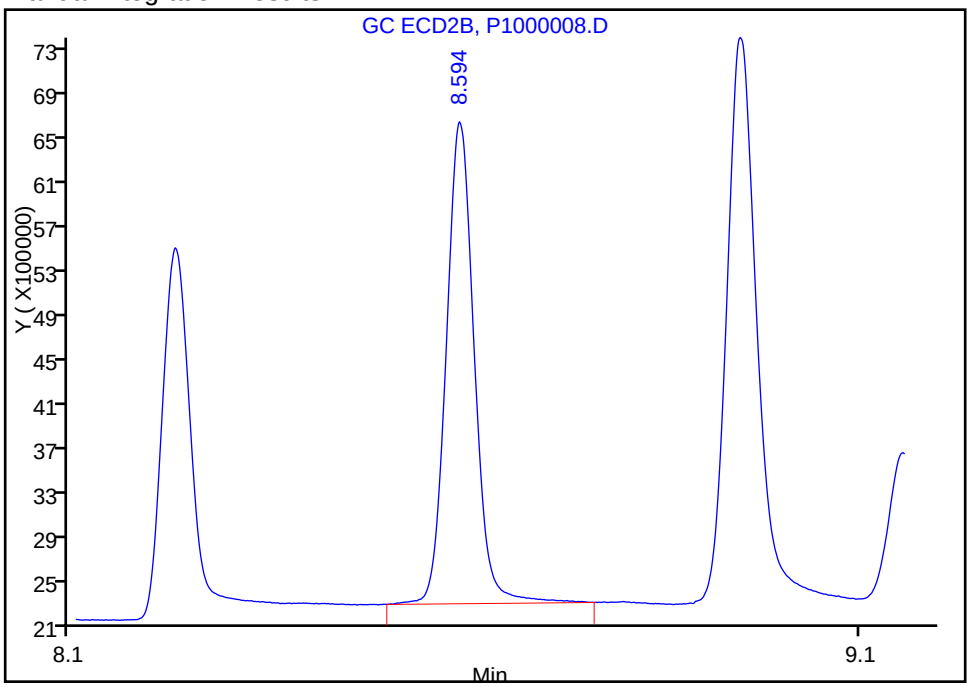
Processing Integration Results

RT: 8.59
Response: 4330919
Amount: 0.081994



Manual Integration Results

RT: 8.59
Response: 4282046
Amount: 0.081225



Reviewer: roachc, 04-Dec-2012 07:59:55
Audit Action: Manually Integrated
Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000009.D		
Lims ID:	Std Corp4	Client ID:	
Inject. Date:	03-Dec-2012 19:04:40	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	240-0015481-009		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	9
Lims Batch ID:	67147	Lims Sample ID:	9
Sublist:	chrom-8151_1*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\8151_1.m		
Last Update:	04-Dec-2012 09:15:39	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		
First Level Reviewer: roachc		Date:	04-Dec-2012 09:15:39

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.247	1.248	-0.001	34858681	0.0762	
2	1.388	1.388	0.000	11107906	0.0765	
					RPD = 0.32	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.979	6.979	0.000	22729272	0.1525	
2	7.629	7.629	0.000	9412608	0.1516	
					RPD = 0.56	
6 Dicamba						
1	7.144	7.145	-0.001	47531523	0.0769	
2	7.795	7.797	-0.002	20289132	0.0793	
					RPD = 3.09	
10 MCPP						
1	7.429	7.429	0.000	9684337	16.8	
2	7.982	7.982	0.000	4021745	16.6	
					RPD = 1.29	
9 MCPA						
1	7.592	7.593	-0.001	12261728	16.7	
2	8.233	8.233	0.000	5351638	17.6	
					RPD = 5.31	
7 Dichlorprop						
1	7.963	7.964	-0.001	21246461	0.1535	
2	8.594	8.594	0.000	8024771	0.1522	
					RPD = 0.82	
2 2,4-D						
1	8.200	8.202	-0.002	23863325	0.1585	
2	8.950	8.950	0.000	9688389	0.1563	
					RPD = 1.44	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						
1	9.078	9.079	-0.001	30552412	0.0400	
2	9.891	9.889	0.002	11206626	0.0395	
					RPD = 1.37	
1 2,4,5-T						
1	9.392	9.394	-0.002	24530328	0.0400	
2	10.368	10.369	-0.001	9639961	0.0397	
					RPD = 0.58	
3 2,4-DB						
1	10.020	10.024	-0.004	10148719	0.1590	
2	11.019	11.019	0.000	4100950	0.1544	
					RPD = 2.92	
8 Dinoseb						
1	11.232	11.231	0.001	11549493	0.0228	
2	11.397	11.395	0.002	4395673	0.0227	
					RPD = 0.44	

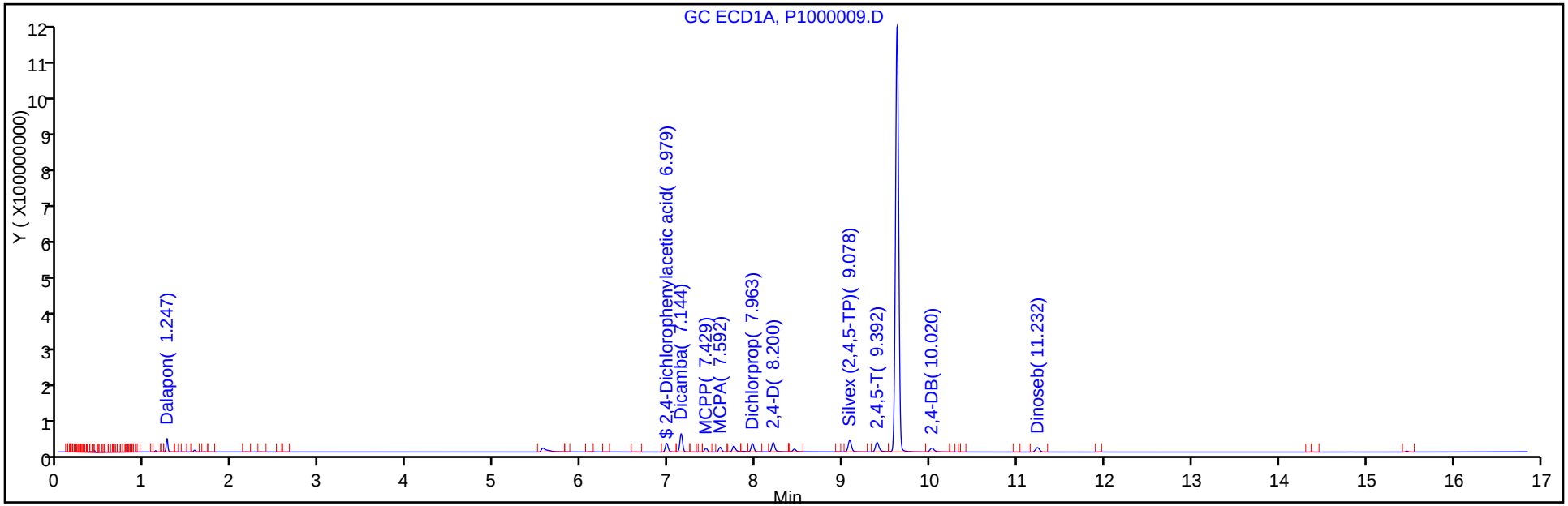
Report Date: 04-Dec-2012 09:15:39 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

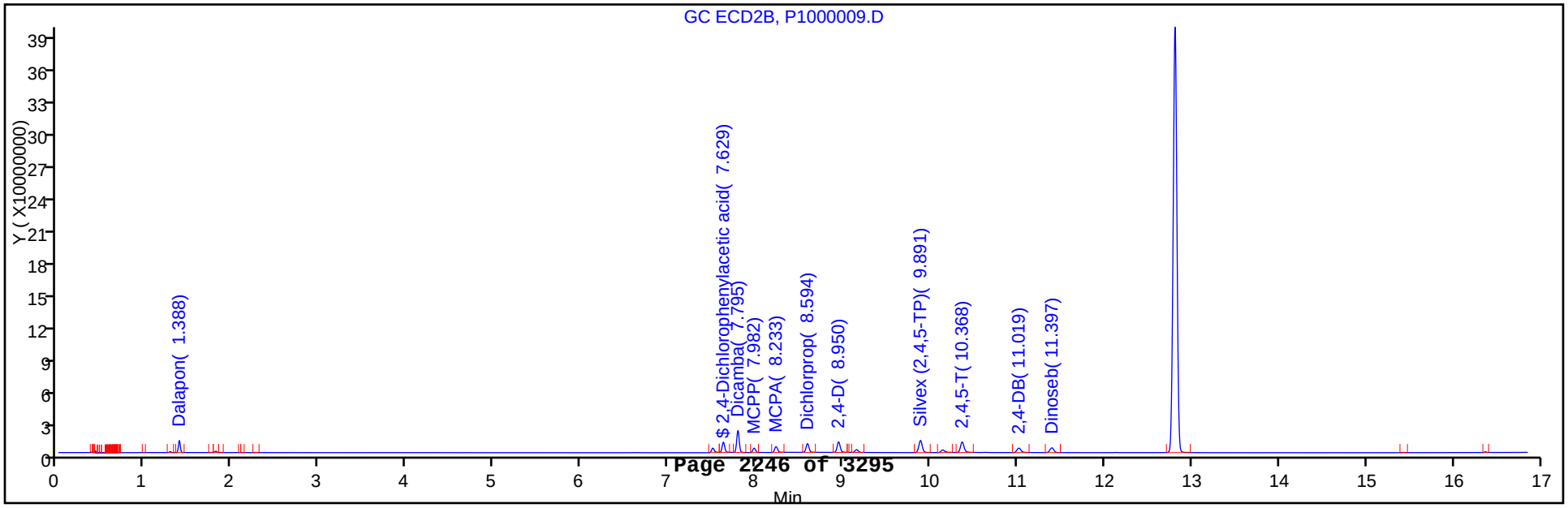
Data File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000009.D

Injection Date:	03-Dec-2012 19:04:40	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	67147	Lims Sample ID:	9
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000010.D		
Lims ID:	Std Corp5	Client ID:	
Inject. Date:	03-Dec-2012 19:28:32	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	240-0015481-010		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	10
Lims Batch ID:	67147	Lims Sample ID:	10
Sublist:	chrom-8151_1*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\8151_1.m		
Last Update:	04-Dec-2012 09:15:46	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		
First Level Reviewer: roachc		Date:	04-Dec-2012 09:15:46

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.248	1.248	0.000	64464485	0.1409	
2	1.388	1.388	0.000	21568381	0.1485	
					RPD = 5.20	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.980	6.979	0.001	41394251	0.2777	
2	7.629	7.629	0.000	18205505	0.2933	
					RPD = 5.46	
6 Dicamba						
1	7.146	7.145	0.001	89217031	0.1444	
2	7.796	7.797	-0.001	39099962	0.1529	
					RPD = 5.73	
10 MCPP						
1	7.431	7.429	0.002	15928704	30.9	
2	7.982	7.982	0.000	6860738	31.2	
					RPD = 0.92	
9 MCPA						
1	7.593	7.593	0.000	20151184	31.0	
2	8.233	8.233	0.000	9176494	32.3	
					RPD = 3.89	
7 Dichlorprop						
1	7.962	7.964	-0.002	38291247	0.2766	
2	8.594	8.594	0.000	15589718	0.2957	
					RPD = 6.68	
2 2,4-D						
1	8.199	8.202	-0.003	44428439	0.2951	
2	8.950	8.950	0.000	18850994	0.3040	
					RPD = 2.97	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						
1	9.078	9.079	-0.001	58502217	0.0766	
2	9.889	9.889	0.000	22295209	0.0785	
					RPD = 2.45	
1 2,4,5-T						
1	9.391	9.394	-0.003	49620375	0.0808	
2	10.367	10.369	-0.002	19353671	0.0798	
					RPD = 1.33	
3 2,4-DB						
1	10.019	10.024	-0.005	19127519	0.2996	
2	11.017	11.019	-0.002	7833671	0.2949	
					RPD = 1.58	
8 Dinoseb						
1	11.230	11.231	-0.001	21833119	0.0432	
2	11.395	11.395	0.000	8433303	0.0436	
					RPD = 1.04	

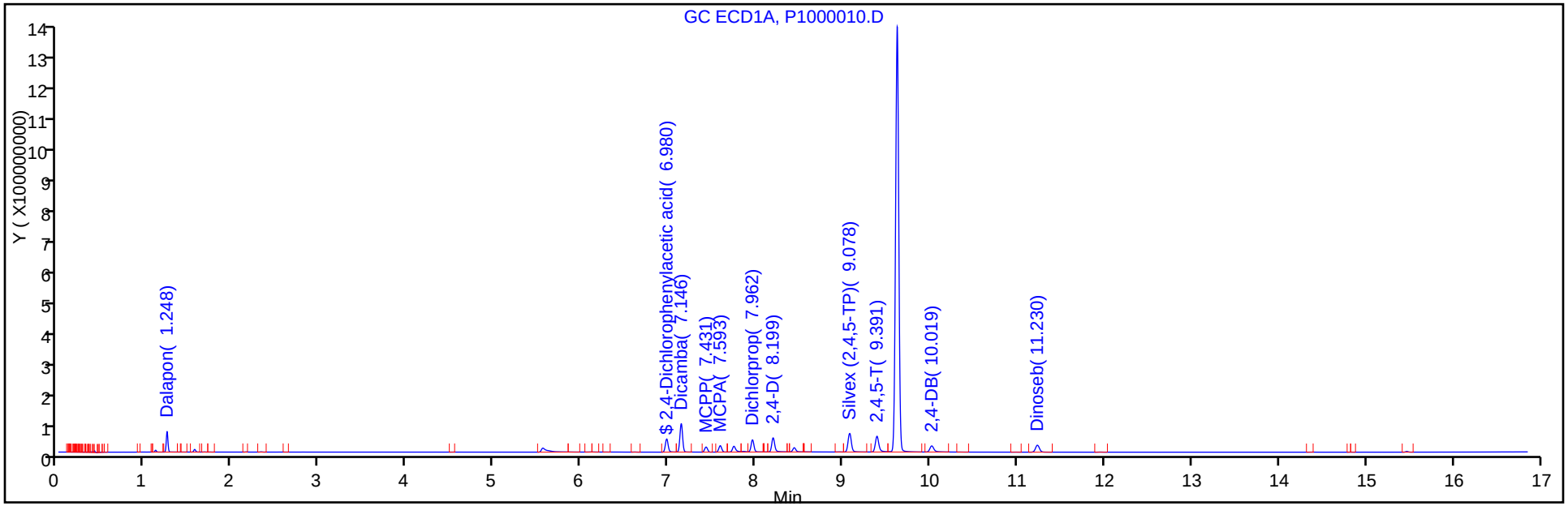
Report Date: 04-Dec-2012 09:15:47 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

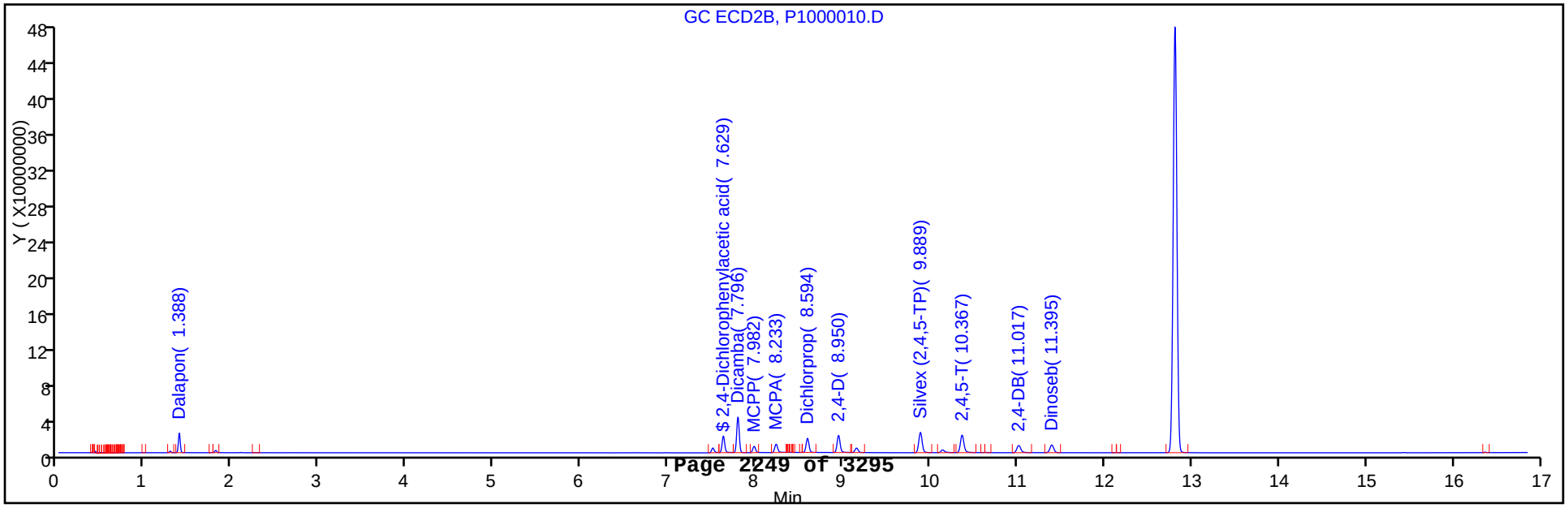
Data File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000010.D

Injection Date:	03-Dec-2012 19:28:32	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	67147	Lims Sample ID:	10
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Lims ID:	Std Corp6	Client ID:	
Inject. Date:	03-Dec-2012 19:52:08	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	240-0015481-011		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	11
Lims Batch ID:	67147	Lims Sample ID:	11
Sublist:	chrom-8151_1*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\8151_1.m		
Last Update:	04-Dec-2012 09:15:55	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		
First Level Reviewer: roachc		Date:	04-Dec-2012 09:15:55

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.248	1.248	0.000	121288028	0.2652	
2	1.388	1.388	0.000	42289940	0.2911	
					RPD = 9.32	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.977	6.979	-0.002	76833448	0.5154	
2	7.628	7.629	-0.001	35620172	0.5738	
					RPD = 10.72	
6 Dicamba						
1	7.144	7.145	-0.001	165905083	0.2685	
2	7.795	7.797	-0.002	76879929	0.3007	
					RPD = 11.29	
10 MCPP						
1	7.430	7.429	0.001	27783128	64.3	
2	7.982	7.982	0.000	12273119	64.2	
					RPD = 0.14	
9 MCPA						
1	7.592	7.593	-0.001	34976673	64.2	
2	8.234	8.233	0.001	16640034	60.9	
					RPD = 5.32	
7 Dichlorprop						
1	7.961	7.964	-0.003	70803641	0.5115	
2	8.592	8.594	-0.002	30747337	0.5832	
					RPD = 13.12	
2 2,4-D						
1	8.197	8.202	-0.005	84437992	0.5609	
2	8.949	8.950	-0.001	37727601	0.6085	
					RPD = 8.13	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						
1	9.075	9.079	-0.004	115480945	0.1513	
2	9.888	9.889	-0.001	45316748	0.1596	
					RPD = 5.38	
1 2,4,5-T						
1	9.387	9.394	-0.007	99096490	0.1615	
2	10.364	10.369	-0.005	39796636	0.1640	
					RPD = 1.59	
3 2,4-DB						
1	10.014	10.024	-0.010	39026974	0.6113	
2	11.014	11.019	-0.005	16205984	0.6101	
					RPD = 0.19	
8 Dinoseb						
1	11.229	11.231	-0.002	42511226	0.0840	
2	11.394	11.395	-0.001	17166642	0.0888	
					RPD = 5.48	

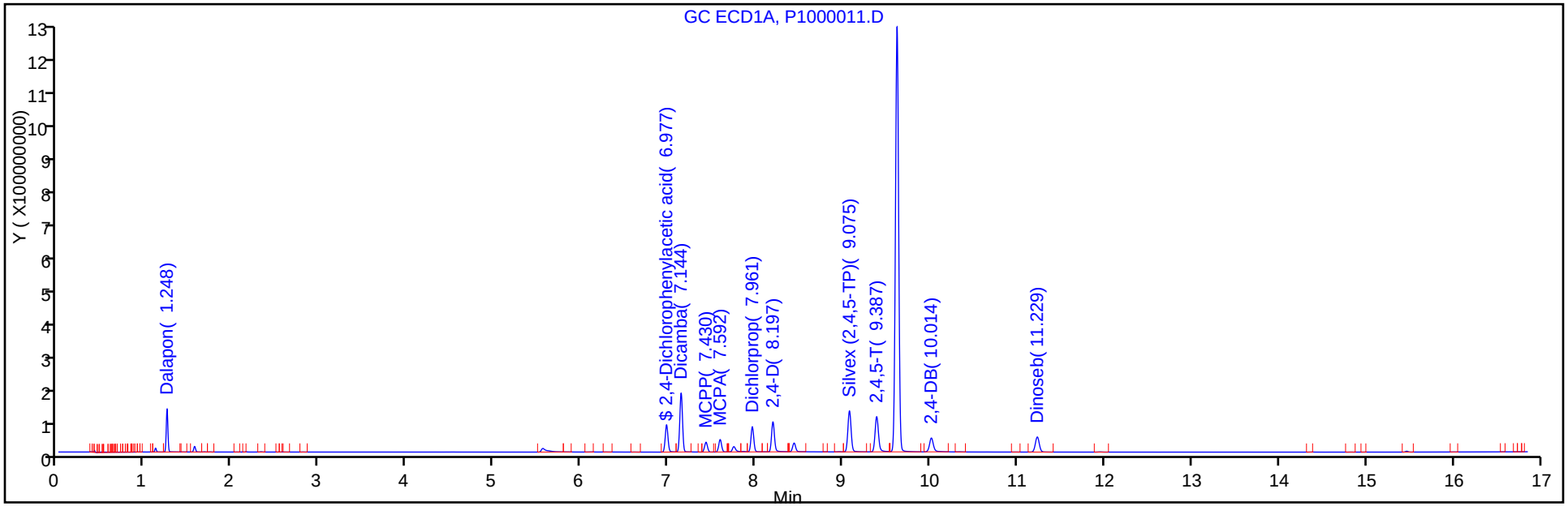
Report Date: 04-Dec-2012 09:15:56 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

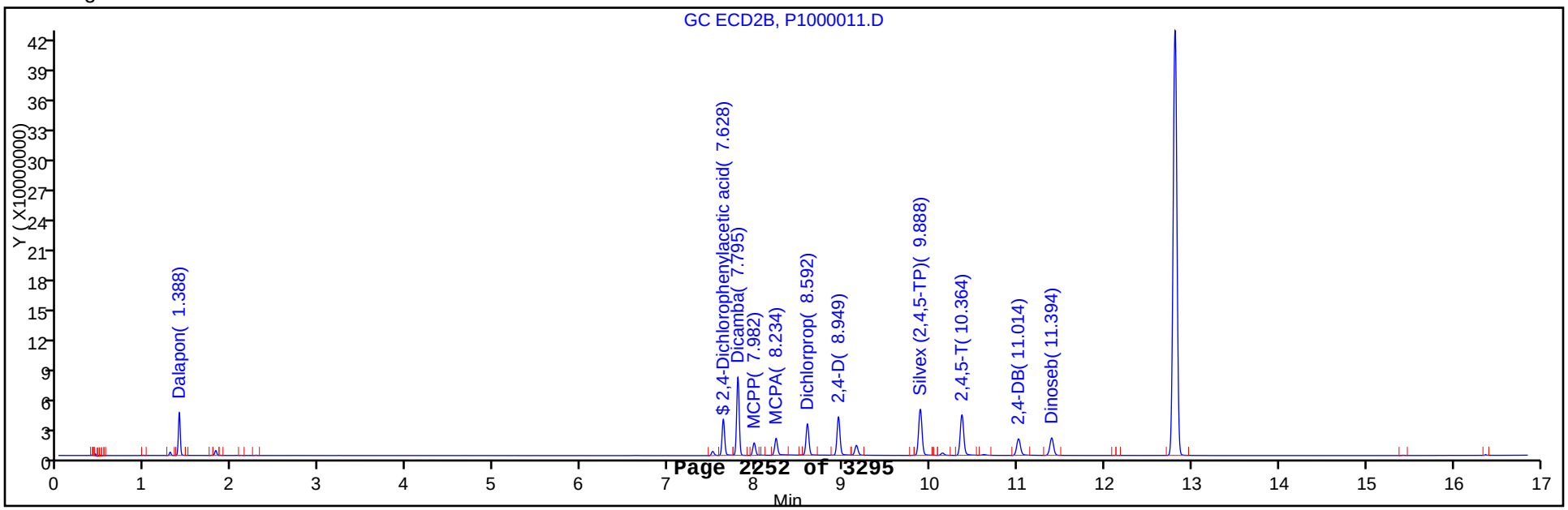
Data File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D

Injection Date:	03-Dec-2012 19:52:08	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	67147	Lims Sample ID:	11
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 70766

SDG No.:

Instrument ID: A2HP1 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/31/2012 14:53 Calibration End Date: 12/31/2012 16:50 Calibration ID: 13037

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-70766/5	P1000005.D
Level 2	STD 240-70766/6	P1000006.D
Level 3	STD 240-70766/7	P1000007.D
Level 4	STD 240-70766/8	P1000008.D
Level 5	STD 240-70766/9	P1000009.D
Level 6	STD 240-70766/10	P1000010.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Pentachlorophenol	8.279	8.274	8.274	8.271	8.272	8.270					8.254 - 8.294	8.273

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 70766

SDG No.:

Instrument ID: A2HP1 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/31/2012 14:53 Calibration End Date: 12/31/2012 16:50 Calibration ID: 13037

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-70766/5	P1000005.D
Level 2	STD 240-70766/6	P1000006.D
Level 3	STD 240-70766/7	P1000007.D
Level 4	STD 240-70766/8	P1000008.D
Level 5	STD 240-70766/9	P1000009.D
Level 6	STD 240-70766/10	P1000010.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Pentachlorophenol	1801072000 1686593075	1600148400 1645172838	1613998300	1705871600	Ave		1675476035				4.4		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 70766

SDG No.:

Instrument ID: A2HP1 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/31/2012 14:53 Calibration End Date: 12/31/2012 16:50 Calibration ID: 13037

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-70766/5	P1000005.D
Level 2	STD 240-70766/6	P1000006.D
Level 3	STD 240-70766/7	P1000007.D
Level 4	STD 240-70766/8	P1000008.D
Level 5	STD 240-70766/9	P1000009.D
Level 6	STD 240-70766/10	P1000010.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Pentachlorophenol	Ave	900536 131613827	8000742	16139983	34117432	67463723	0.000500 0.0800	0.00500	0.0100	0.0200	0.0400

Curve Type Legend:
Ave = Average by Height

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000005.D		
Lims ID:	STD PCP1	Client ID:	
Inject. Date:	31-Dec-2012 14:53:23	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	240-0016320-005		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	5
Lims Batch ID:	70766	Lims Sample ID:	5
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\8151_1.m		
Last Update:	02-Jan-2013 09:43:53	Calib Date:	31-Dec-2012 16:50:57
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000010.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.279	8.274	0.005	900536	0.000537	
2	9.225	9.224	0.001	376819	0.000532	
					RPD = 1.01	

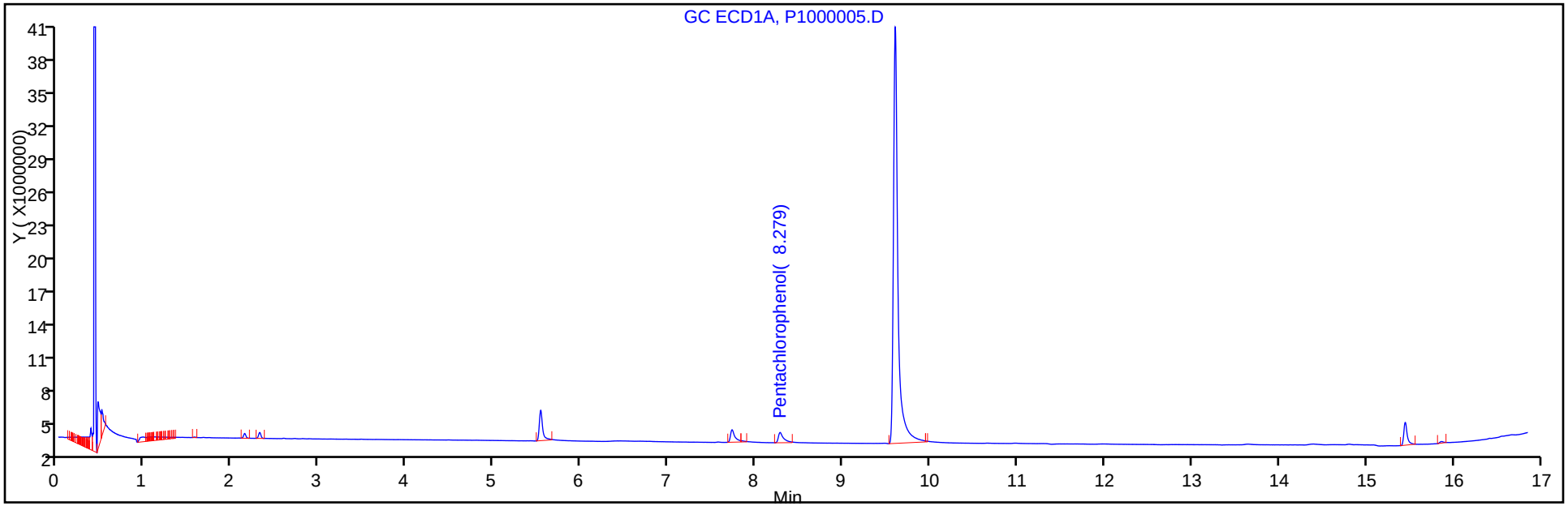
Report Date: 02-Jan-2013 09:43:53 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

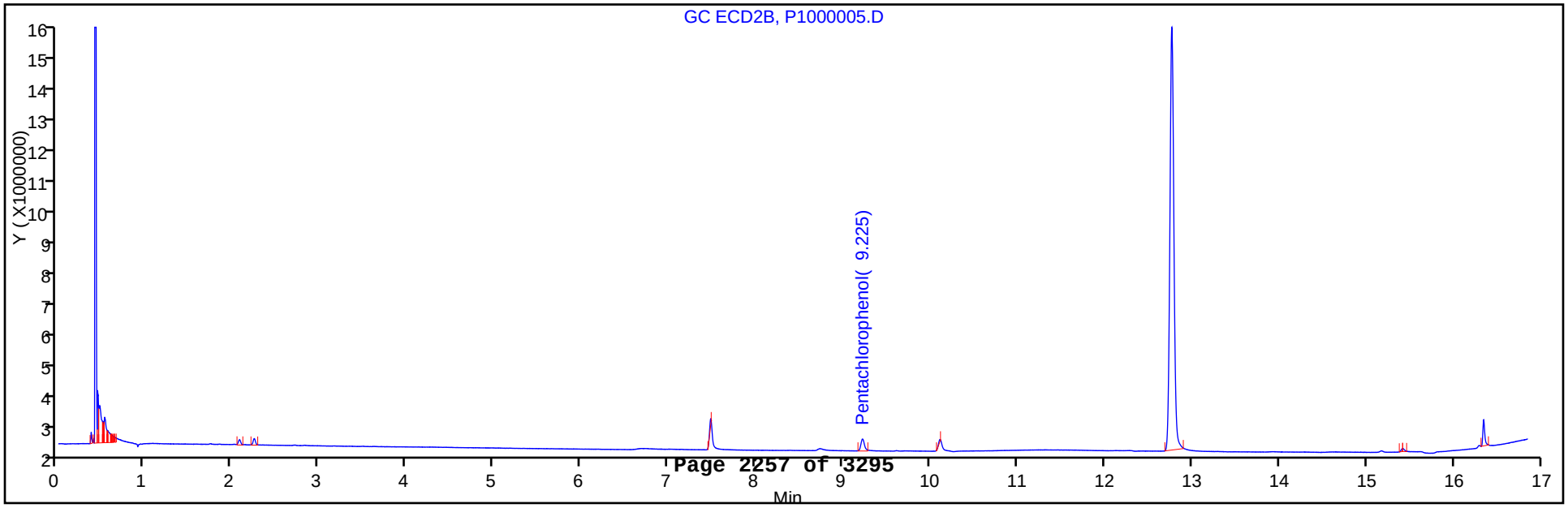
Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000005.D

Injection Date:	31-Dec-2012 14:53:23	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70766	Lims Sample ID:	5
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000006.D		
Lims ID:	STD PCP2	Client ID:	
Inject. Date:	31-Dec-2012 15:16:49	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	240-0016320-006		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	6
Lims Batch ID:	70766	Lims Sample ID:	6
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\8151_1.m		
Last Update:	02-Jan-2013 09:43:54	Calib Date:	31-Dec-2012 16:50:57
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000010.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.274	8.274	0.000	8000742	0.004775	
2	9.223	9.224	-0.001	3353508	0.004735	
					RPD = 0.84	

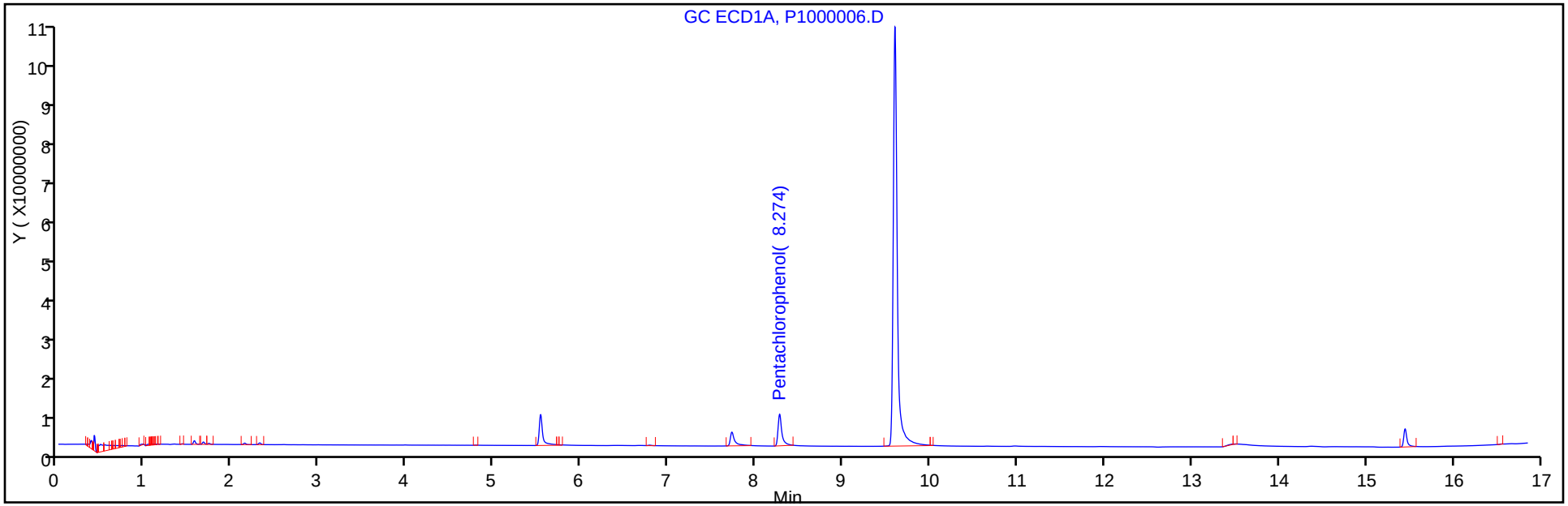
Report Date: 02-Jan-2013 09:43:55 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

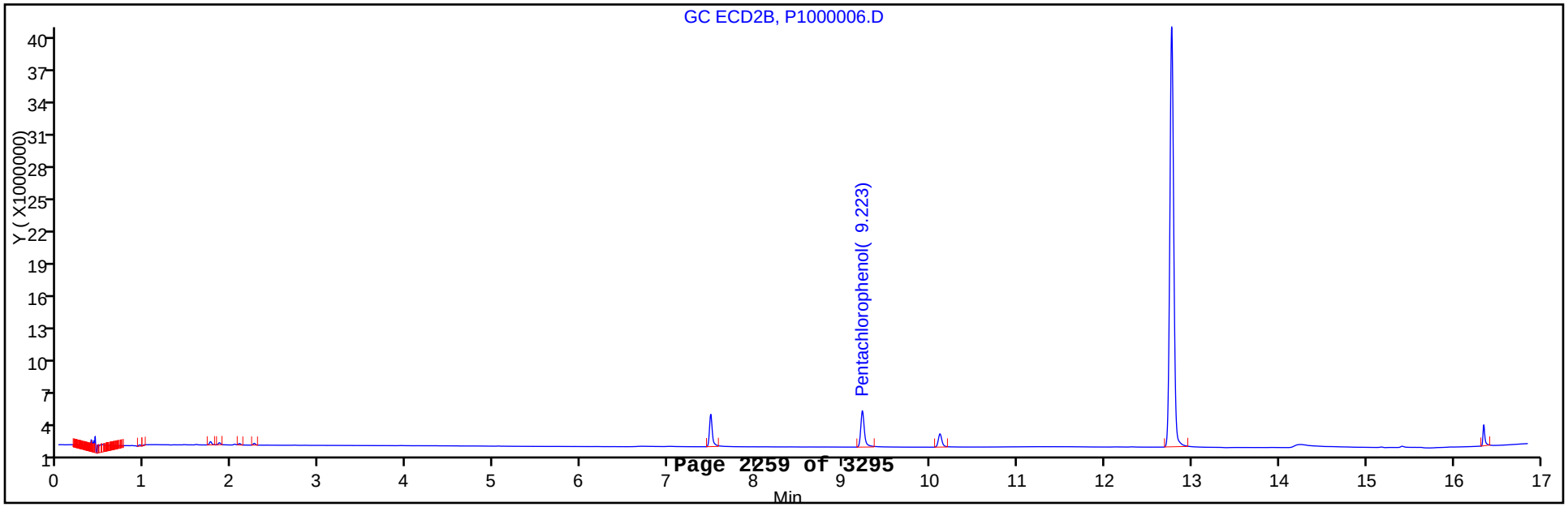
Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000006.D

Injection Date:	31-Dec-2012 15:16:49	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70766	Lims Sample ID:	6
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000007.D		
Lims ID:	STD PCP3	Client ID:	
Inject. Date:	31-Dec-2012 15:40:24	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	240-0016320-007		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	7
Lims Batch ID:	70766	Lims Sample ID:	7
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\8151_1.m		
Last Update:	02-Jan-2013 09:43:56	Calib Date:	31-Dec-2012 16:50:57
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000010.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.274	8.274	0.000	16139983	0.009633	
2	9.224	9.224	0.000	6677967	0.009430	
					RPD = 2.14	

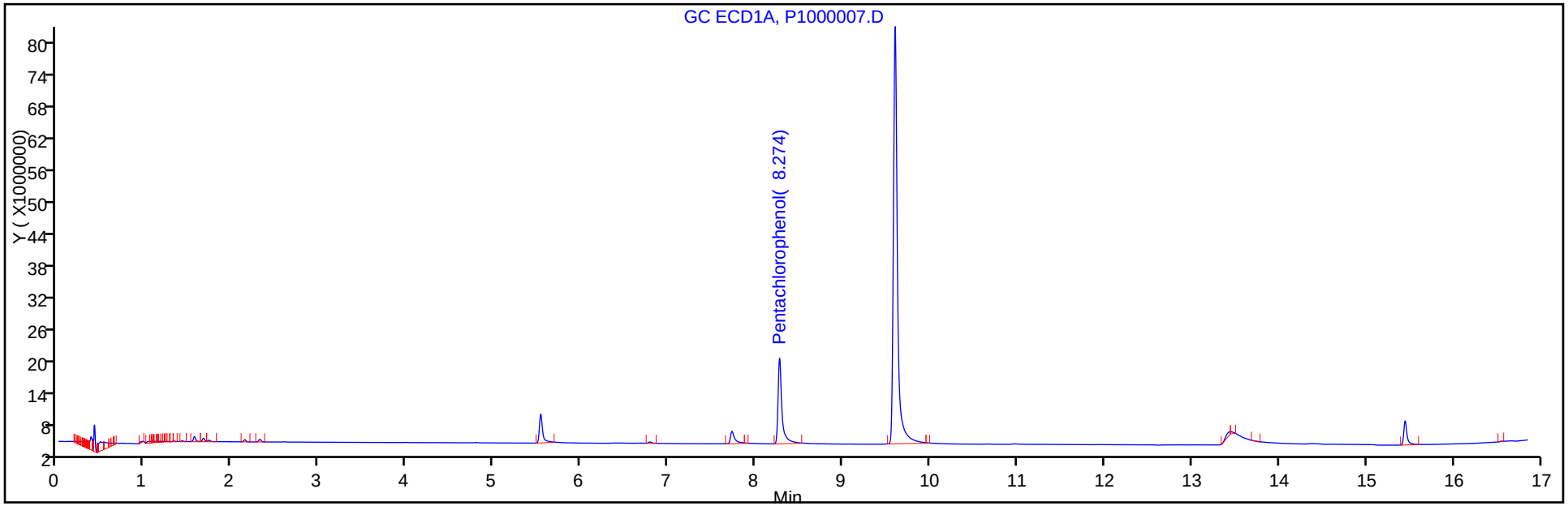
Report Date: 02-Jan-2013 09:43:56 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

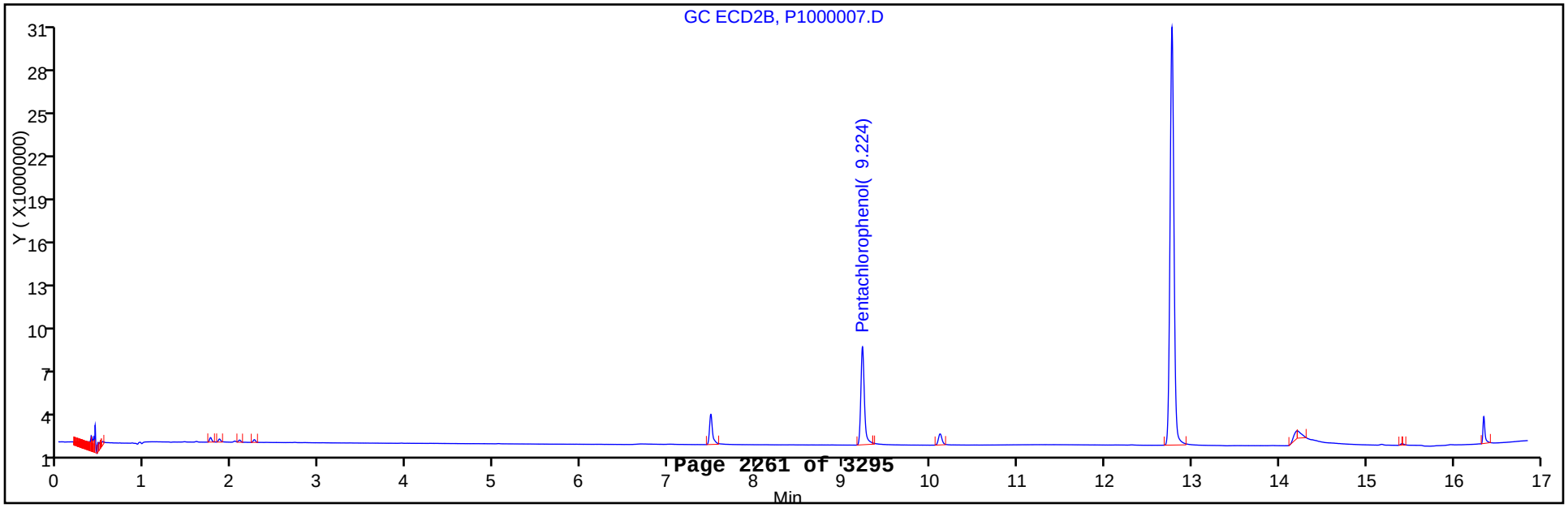
Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000007.D

Injection Date:	31-Dec-2012 15:40:24	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70766	Lims Sample ID:	7
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000008.D		
Lims ID:	STD PCP4	Client ID:	
Inject. Date:	31-Dec-2012 16:03:59	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	240-0016320-008		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	8
Lims Batch ID:	70766	Lims Sample ID:	8
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\8151_1.m		
Last Update:	02-Jan-2013 09:43:57	Calib Date:	31-Dec-2012 16:50:57
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000010.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.271	8.274	-0.003	34117432	0.0204	
2	9.222	9.224	-0.002	14209961	0.0201	
					RPD = 1.47	

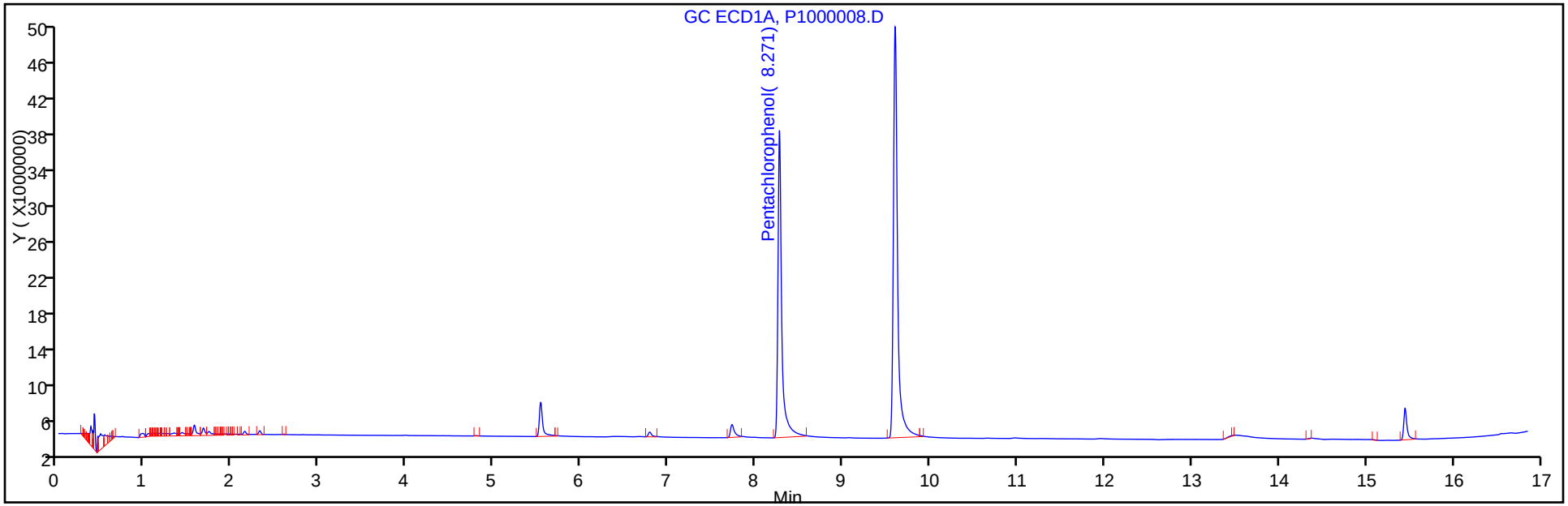
Report Date: 02-Jan-2013 09:43:58 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

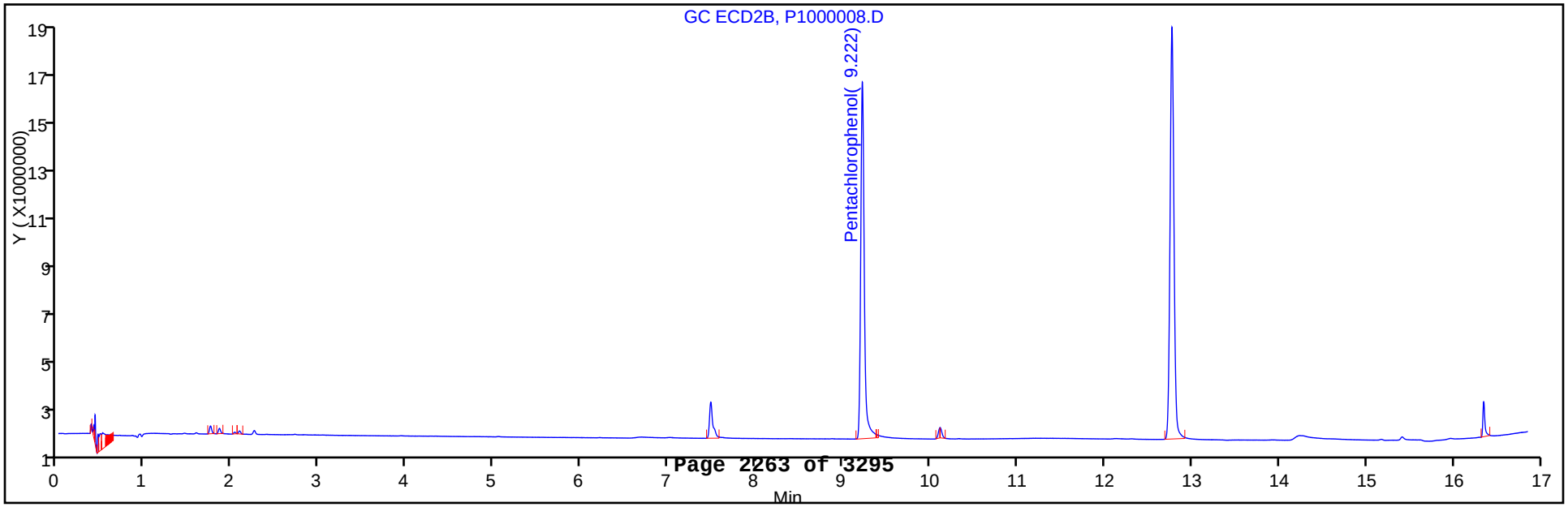
Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000008.D

Injection Date:	31-Dec-2012 16:03:59	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70766	Lims Sample ID:	8
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000009.D		
Lims ID:	STD PCP5	Client ID:	
Inject. Date:	31-Dec-2012 16:27:25	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	240-0016320-009		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	9
Lims Batch ID:	70766	Lims Sample ID:	9
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\8151_1.m		
Last Update:	02-Jan-2013 09:43:58	Calib Date:	31-Dec-2012 16:50:57
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000010.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.272	8.274	-0.002	67463723	0.0403	
2	9.222	9.224	-0.002	28956904	0.0409	
					RPD = 1.54	

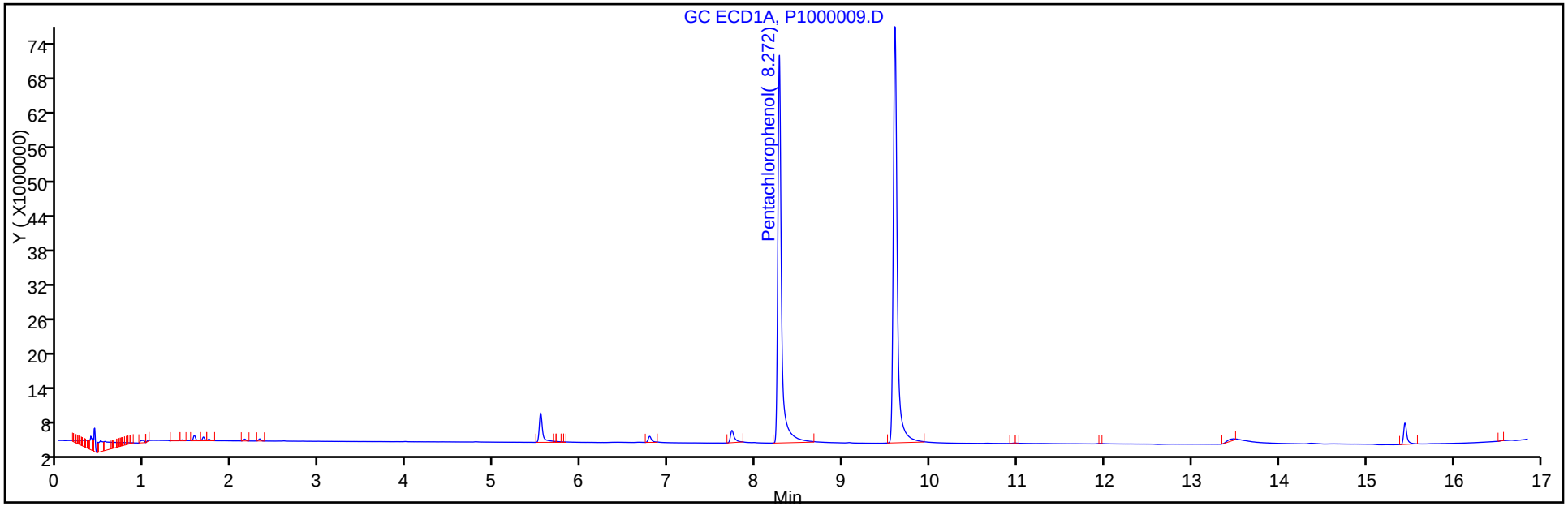
Report Date: 02-Jan-2013 09:43:59 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

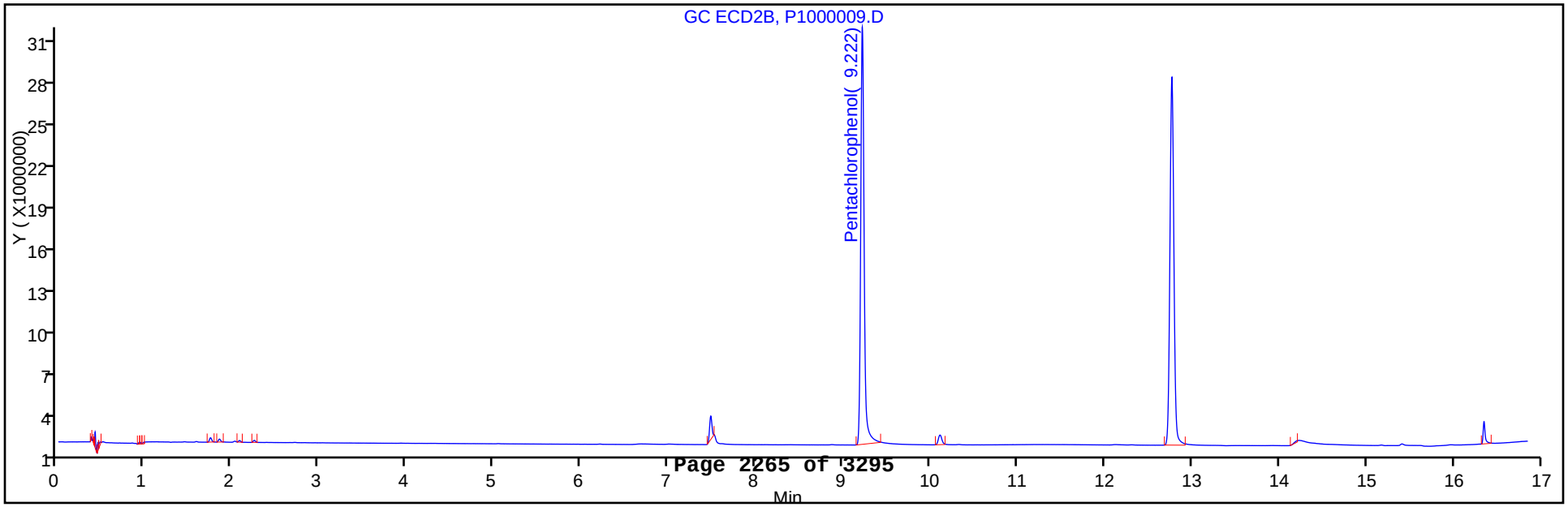
Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000009.D

Injection Date:	31-Dec-2012 16:27:25	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70766	Lims Sample ID:	9
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000010.D		
Lims ID:	STD PCP6	Client ID:	
Inject. Date:	31-Dec-2012 16:50:57	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	240-0016320-010		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	10
Lims Batch ID:	70766	Lims Sample ID:	10
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\8151_1.m		
Last Update:	02-Jan-2013 09:44:00	Calib Date:	31-Dec-2012 16:50:57
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000010.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.270	8.274	-0.004	131613827	0.0786	
2	9.222	9.224	-0.002	57809287	0.0816	
					RPD = 3.84	

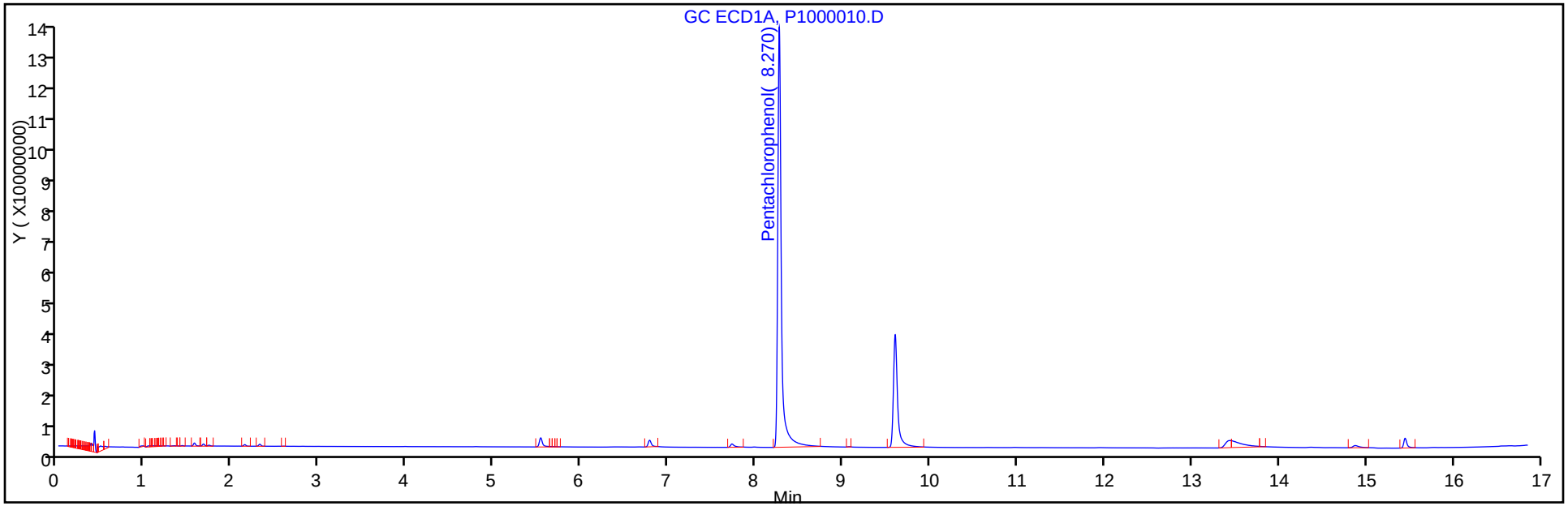
Report Date: 02-Jan-2013 09:44:00 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

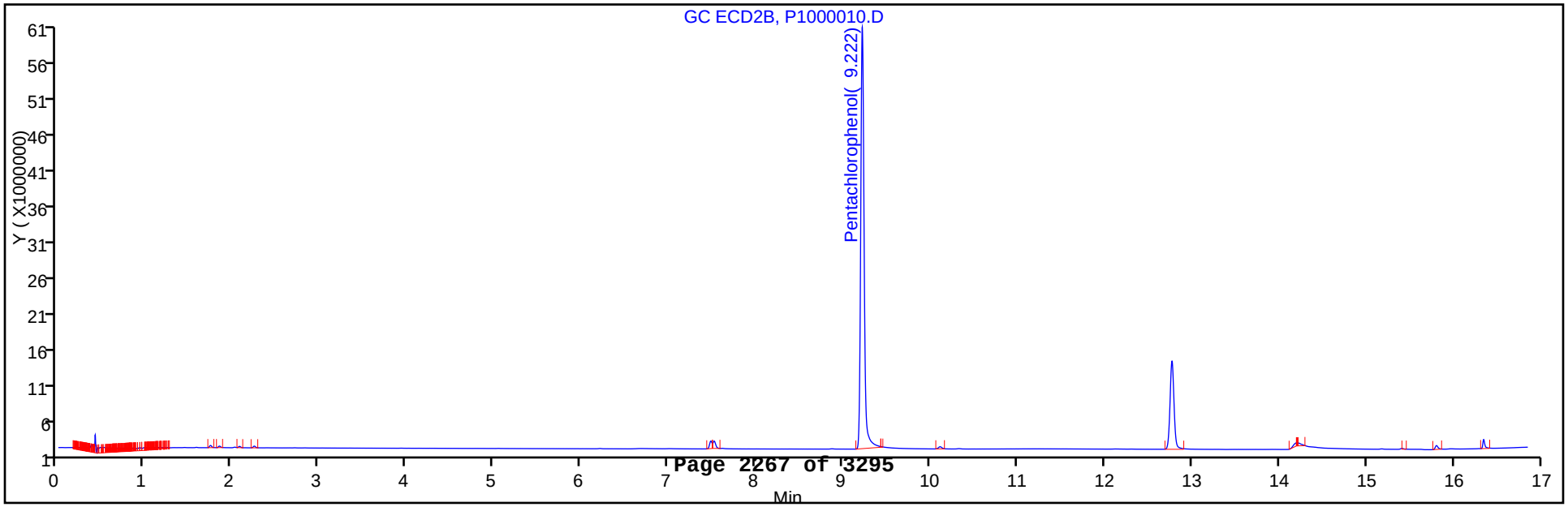
Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000010.D

Injection Date:	31-Dec-2012 16:50:57	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70766	Lims Sample ID:	10
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 70766

SDG No.:

Instrument ID: A2HP1 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/31/2012 14:53 Calibration End Date: 12/31/2012 16:50 Calibration ID: 13038

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-70766/5	P1000005.D
Level 2	STD 240-70766/6	P1000006.D
Level 3	STD 240-70766/7	P1000007.D
Level 4	STD 240-70766/8	P1000008.D
Level 5	STD 240-70766/9	P1000009.D
Level 6	STD 240-70766/10	P1000010.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Pentachlorophenol	9.225	9.223	9.224	9.222	9.222	9.222					9.204 - 9.244	9.223

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 70766

SDG No.:

Instrument ID: A2HP1 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/31/2012 14:53 Calibration End Date: 12/31/2012 16:50 Calibration ID: 13038

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-70766/5	P1000005.D
Level 2	STD 240-70766/6	P1000006.D
Level 3	STD 240-70766/7	P1000007.D
Level 4	STD 240-70766/8	P1000008.D
Level 5	STD 240-70766/9	P1000009.D
Level 6	STD 240-70766/10	P1000010.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Pentachlorophenol	753638000 723922600	670701600 722616088	667796700	710498050	Ave		708195506				4.7		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-2 Analy Batch No.: 70766

SDG No.:

Instrument ID: A2HP1 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/31/2012 14:53 Calibration End Date: 12/31/2012 16:50 Calibration ID: 13038

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-70766/5	P1000005.D
Level 2	STD 240-70766/6	P1000006.D
Level 3	STD 240-70766/7	P1000007.D
Level 4	STD 240-70766/8	P1000008.D
Level 5	STD 240-70766/9	P1000009.D
Level 6	STD 240-70766/10	P1000010.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Pentachlorophenol	Ave	376819 57809287	3353508	6677967	14209961	28956904	0.000500 0.0800	0.00500	0.0100	0.0200	0.0400

Curve Type Legend:
Ave = Average by Height

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000005.D		
Lims ID:	STD PCP1	Client ID:	
Inject. Date:	31-Dec-2012 14:53:23	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	240-0016320-005		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	5
Lims Batch ID:	70766	Lims Sample ID:	5
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\8151_1.m		
Last Update:	02-Jan-2013 09:43:53	Calib Date:	31-Dec-2012 16:50:57
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000010.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.279	8.274	0.005	900536	0.000537	
2	9.225	9.224	0.001	376819	0.000532	
					RPD = 1.01	

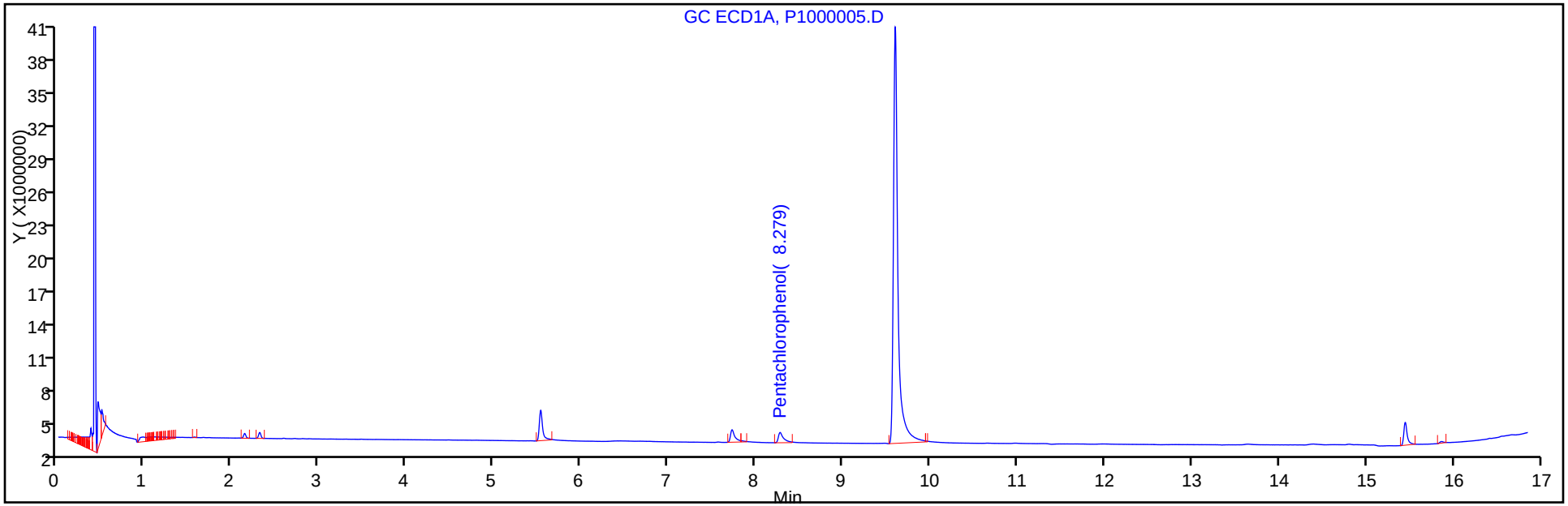
Report Date: 02-Jan-2013 09:43:54 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

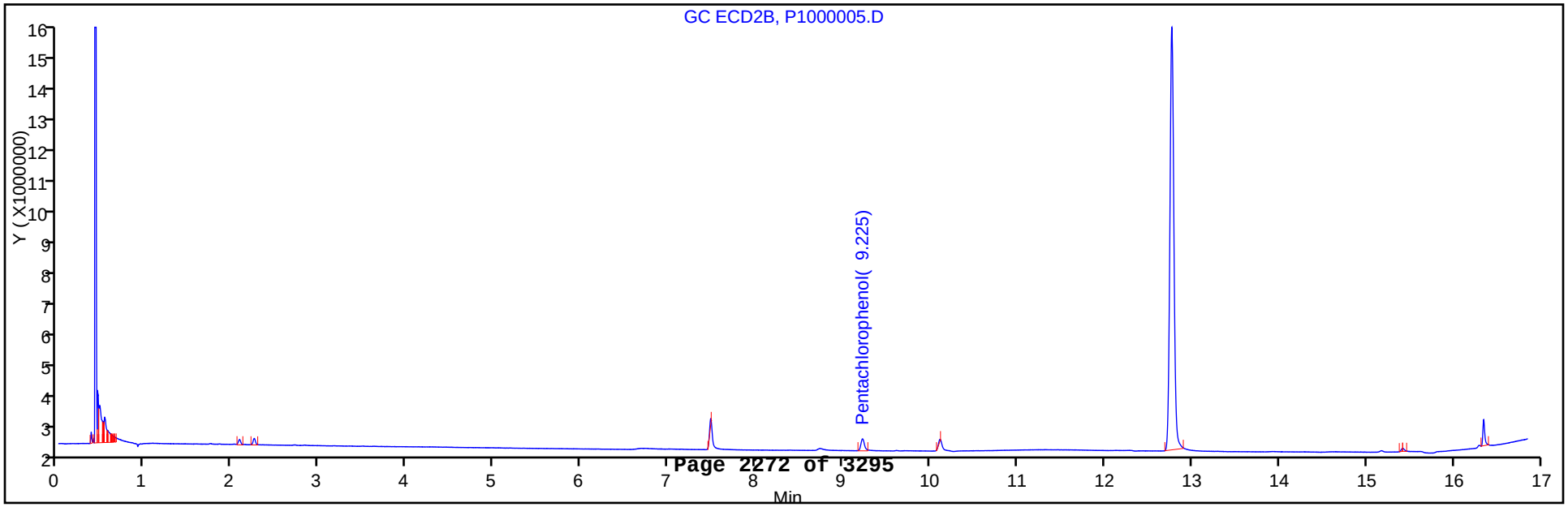
Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000005.D

Injection Date:	31-Dec-2012 14:53:23	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70766	Lims Sample ID:	5
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000006.D		
Lims ID:	STD PCP2	Client ID:	
Inject. Date:	31-Dec-2012 15:16:49	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	240-0016320-006		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	6
Lims Batch ID:	70766	Lims Sample ID:	6
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\8151_1.m		
Last Update:	02-Jan-2013 09:43:54	Calib Date:	31-Dec-2012 16:50:57
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000010.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.274	8.274	0.000	8000742	0.004775	
2	9.223	9.224	-0.001	3353508	0.004735	
					RPD = 0.84	

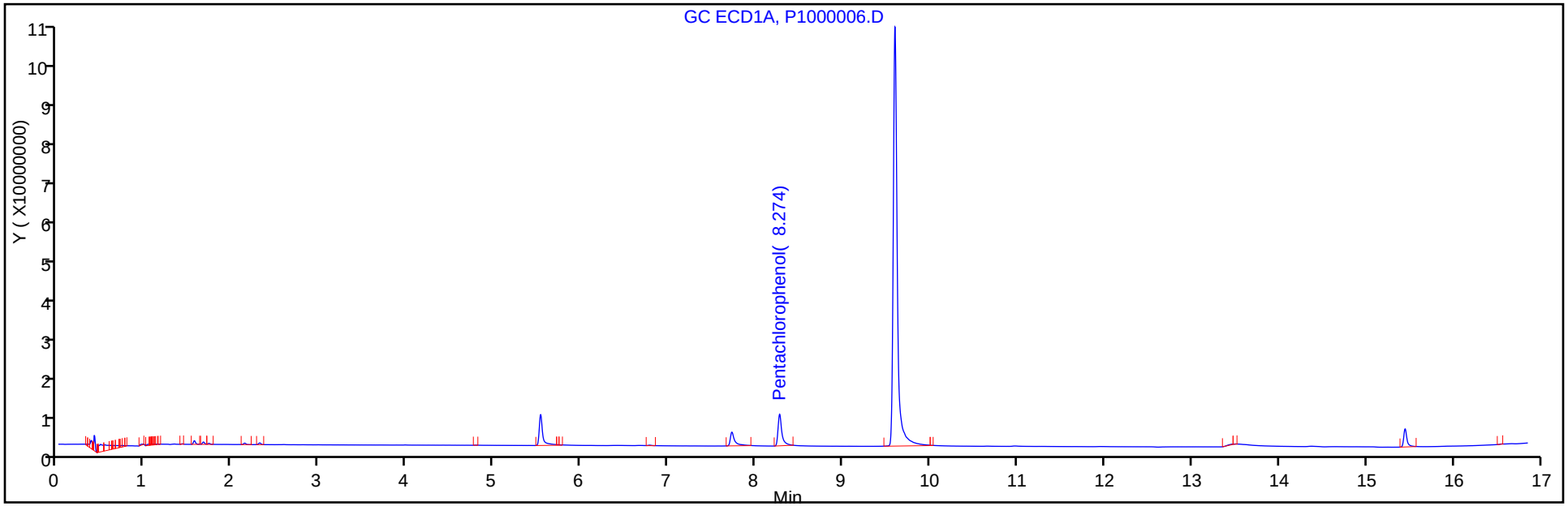
Report Date: 02-Jan-2013 09:43:55 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

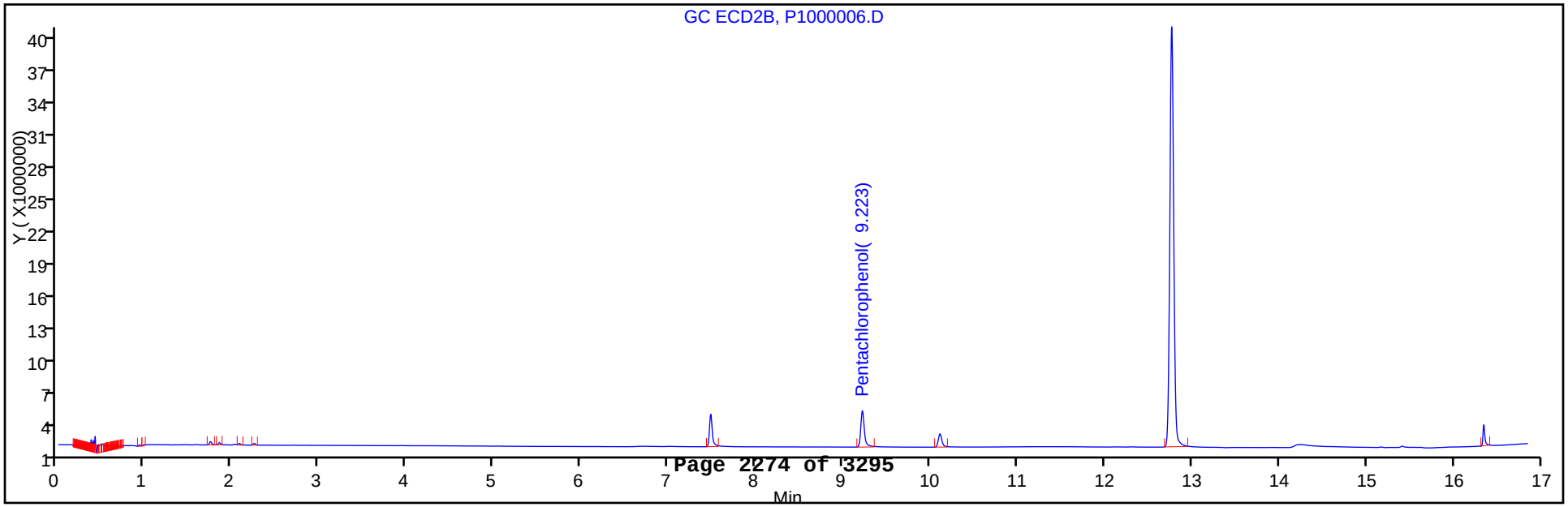
Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000006.D

Injection Date:	31-Dec-2012 15:16:49	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70766	Lims Sample ID:	6
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000007.D		
Lims ID:	STD PCP3	Client ID:	
Inject. Date:	31-Dec-2012 15:40:24	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	240-0016320-007		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	7
Lims Batch ID:	70766	Lims Sample ID:	7
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\8151_1.m		
Last Update:	02-Jan-2013 09:43:56	Calib Date:	31-Dec-2012 16:50:57
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000010.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.274	8.274	0.000	16139983	0.009633	
2	9.224	9.224	0.000	6677967	0.009430	
					RPD = 2.14	

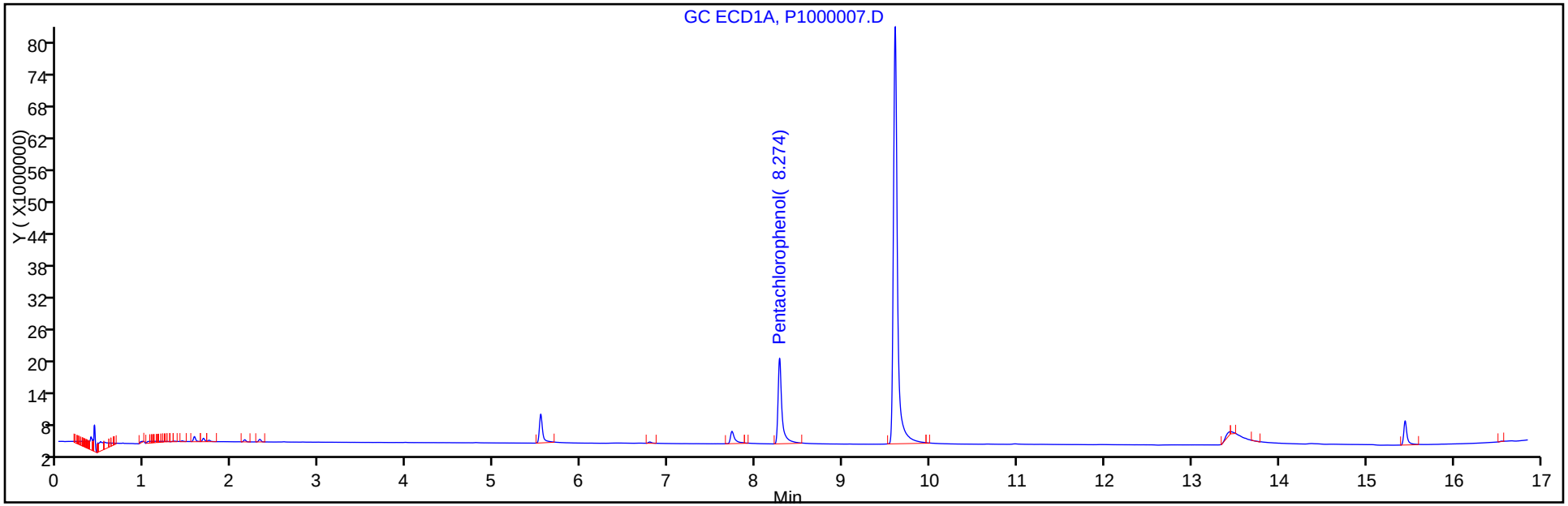
Report Date: 02-Jan-2013 09:43:57 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

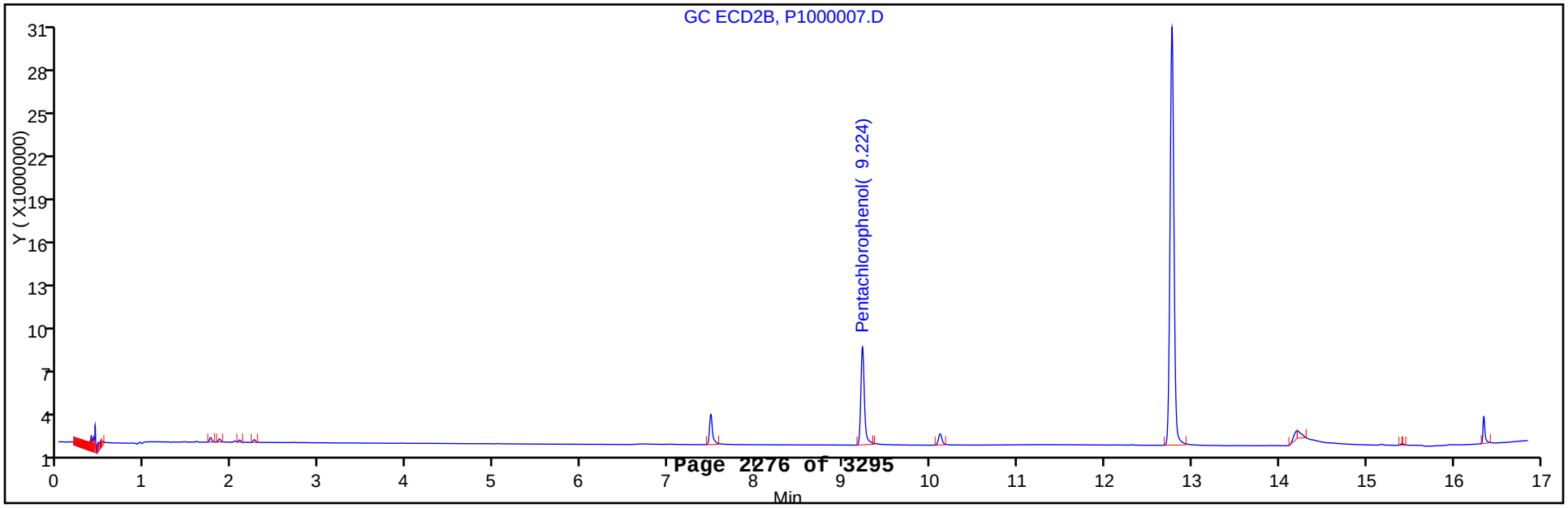
Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000007.D

Injection Date:	31-Dec-2012 15:40:24	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70766	Lims Sample ID:	7
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000008.D		
Lims ID:	STD PCP4	Client ID:	
Inject. Date:	31-Dec-2012 16:03:59	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	240-0016320-008		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	8
Lims Batch ID:	70766	Lims Sample ID:	8
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\8151_1.m		
Last Update:	02-Jan-2013 09:43:57	Calib Date:	31-Dec-2012 16:50:57
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000010.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.271	8.274	-0.003	34117432	0.0204	
2	9.222	9.224	-0.002	14209961	0.0201	
					RPD = 1.47	

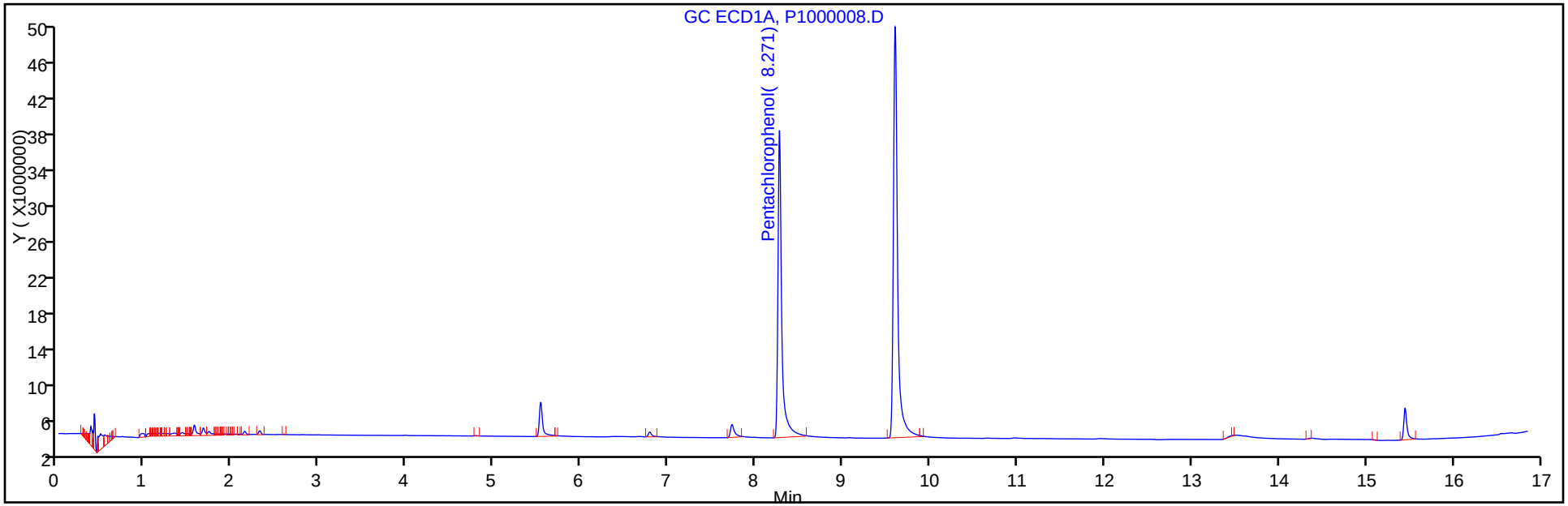
Report Date: 02-Jan-2013 09:43:58 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

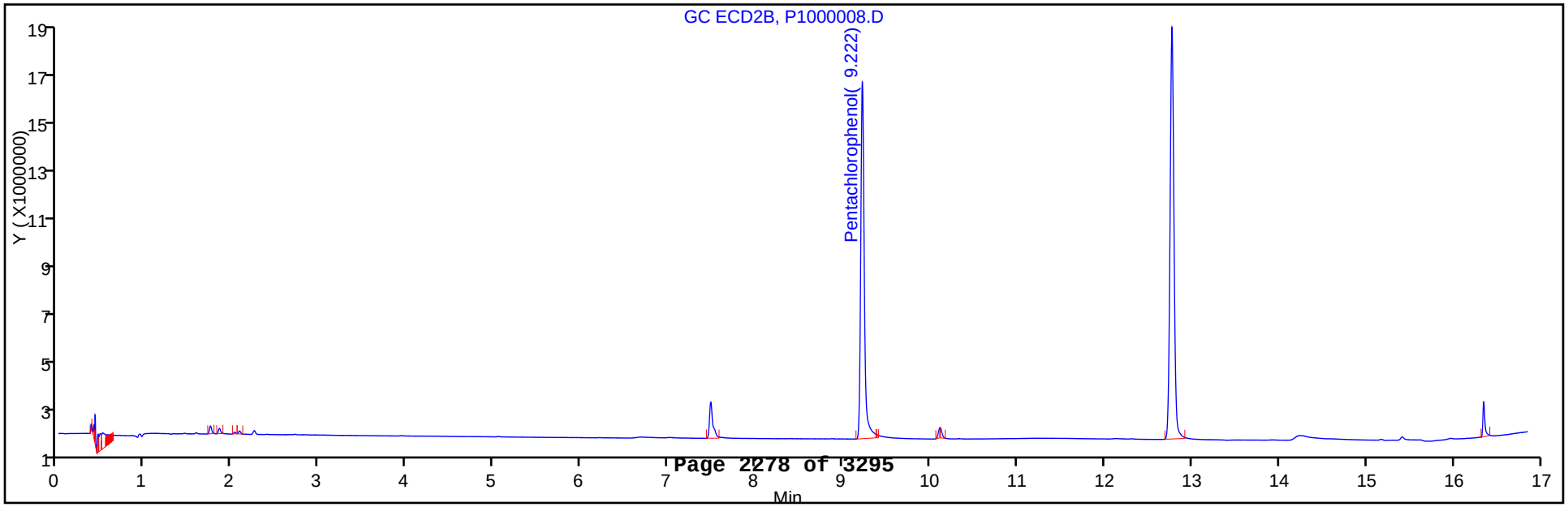
Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000008.D

Injection Date:	31-Dec-2012 16:03:59	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70766	Lims Sample ID:	8
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000009.D		
Lims ID:	STD PCP5	Client ID:	
Inject. Date:	31-Dec-2012 16:27:25	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	240-0016320-009		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	9
Lims Batch ID:	70766	Lims Sample ID:	9
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\8151_1.m		
Last Update:	02-Jan-2013 09:43:58	Calib Date:	31-Dec-2012 16:50:57
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000010.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.272	8.274	-0.002	67463723	0.0403	
2	9.222	9.224	-0.002	28956904	0.0409	
					RPD = 1.54	

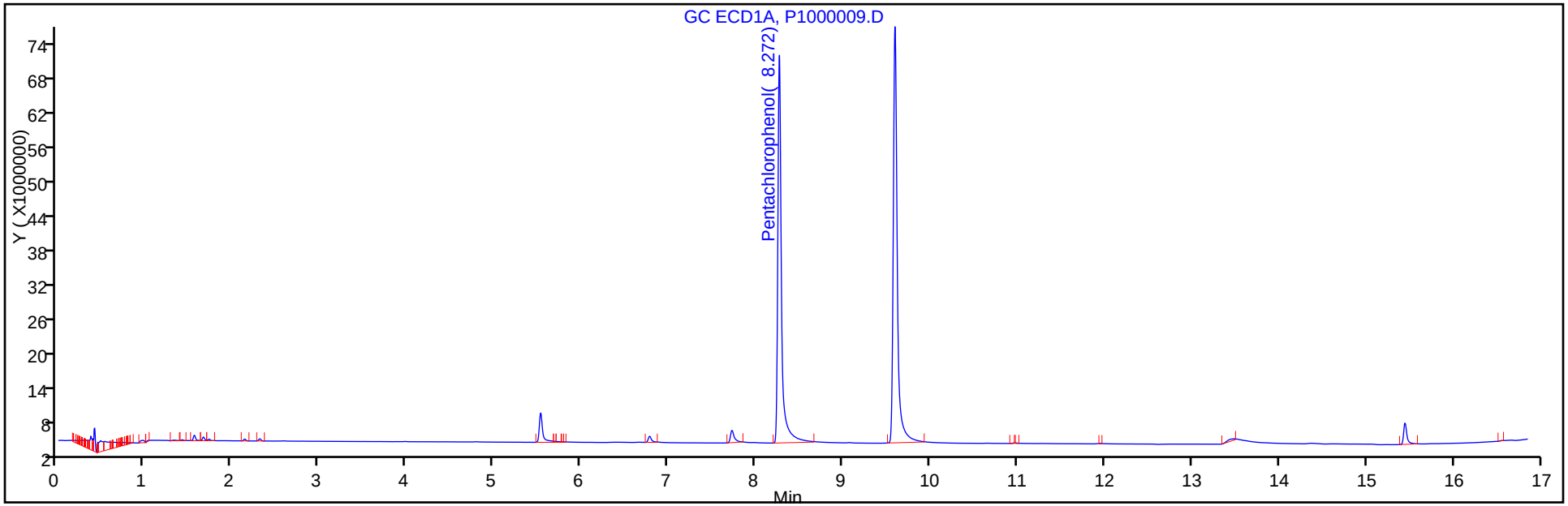
Report Date: 02-Jan-2013 09:43:59 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

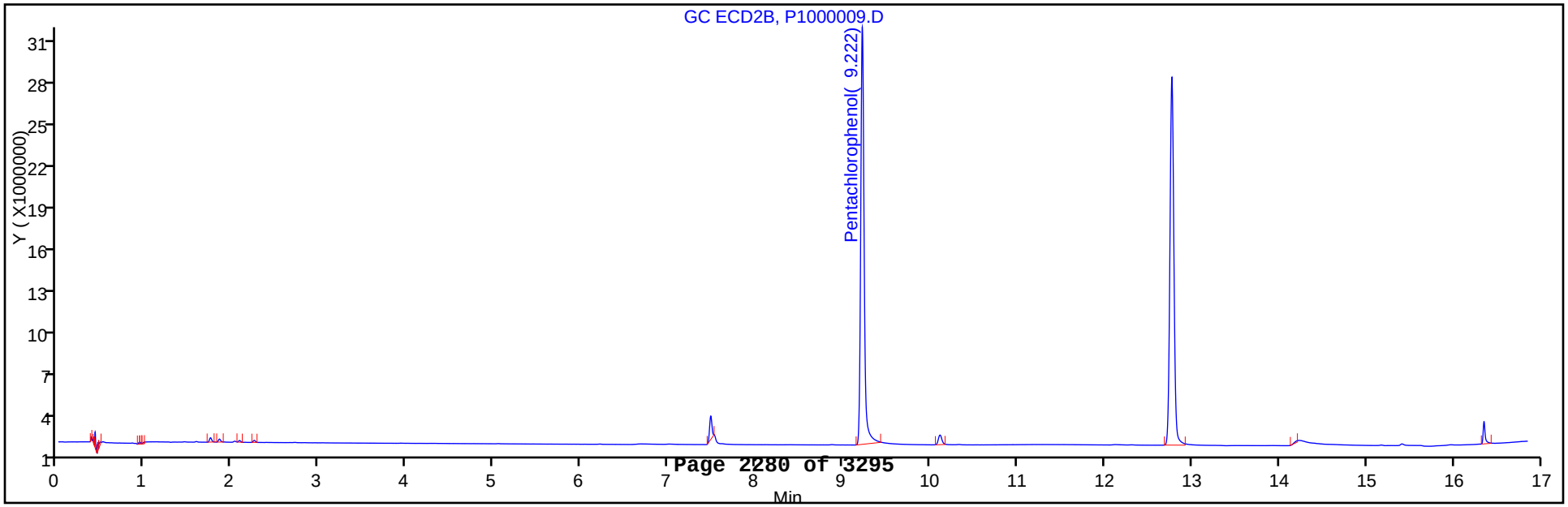
Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000009.D

Injection Date:	31-Dec-2012 16:27:25	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70766	Lims Sample ID:	9
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000010.D		
Lims ID:	STD PCP6	Client ID:	
Inject. Date:	31-Dec-2012 16:50:57	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	240-0016320-010		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	10
Lims Batch ID:	70766	Lims Sample ID:	10
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\8151_1.m		
Last Update:	02-Jan-2013 09:44:00	Calib Date:	31-Dec-2012 16:50:57
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000010.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.270	8.274	-0.004	131613827	0.0786	
2	9.222	9.224	-0.002	57809287	0.0816	
					RPD = 3.84	

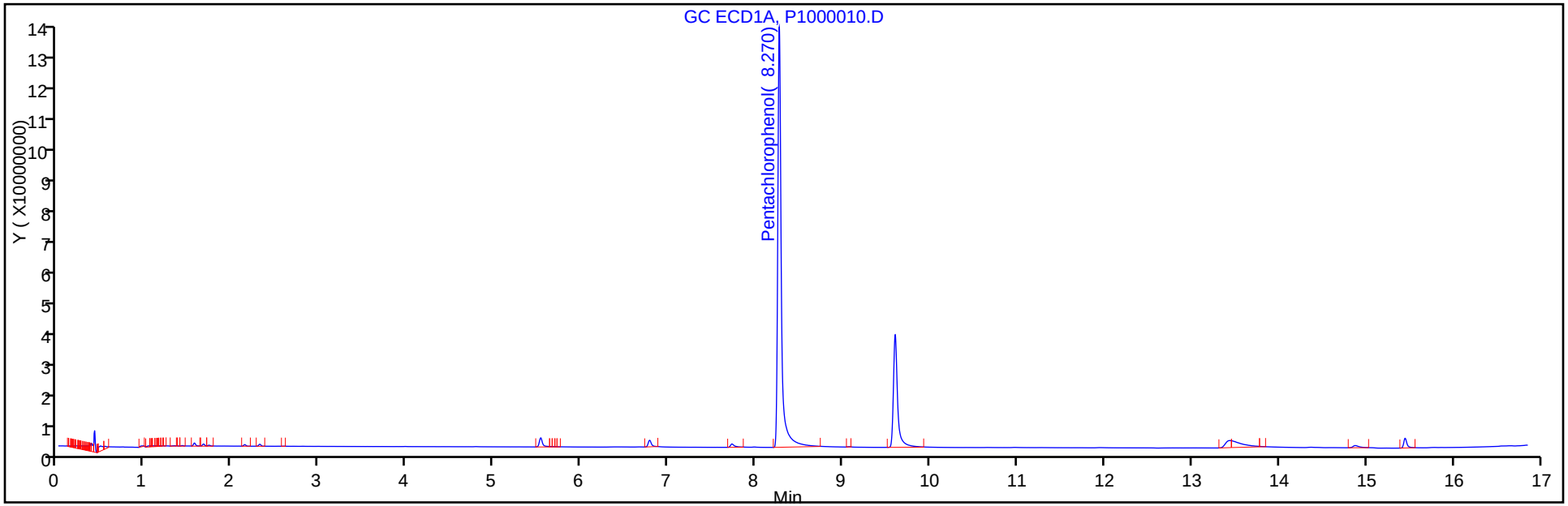
Report Date: 02-Jan-2013 09:44:00 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

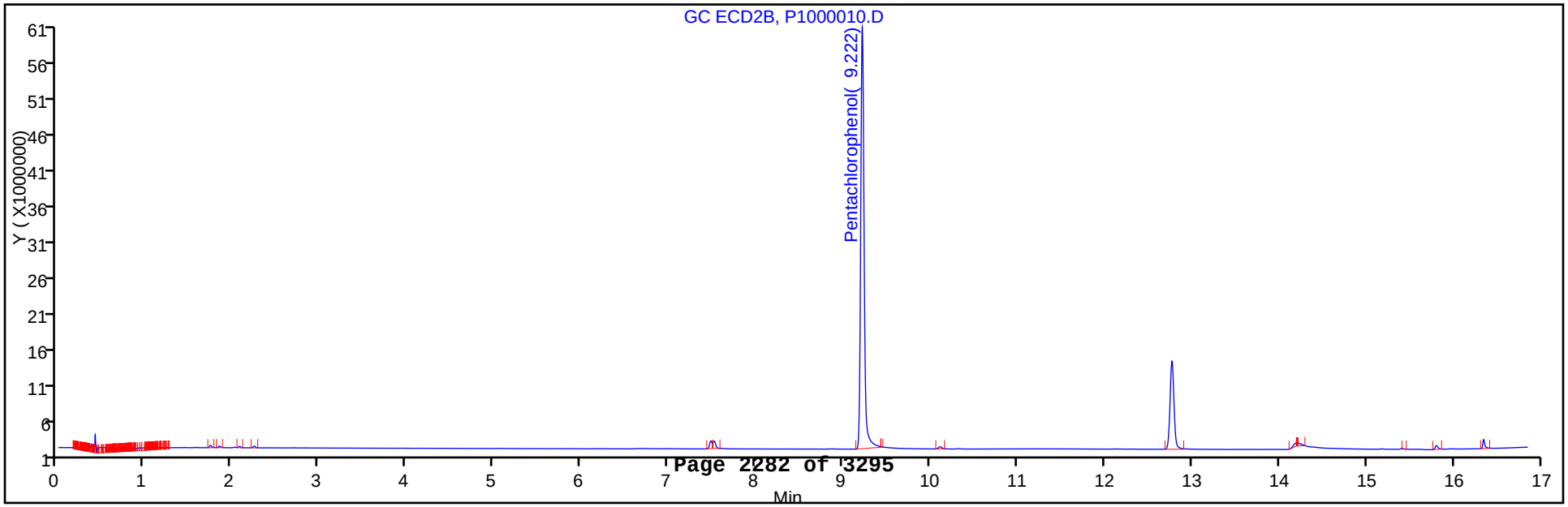
Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000010.D

Injection Date:	31-Dec-2012 16:50:57	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70766	Lims Sample ID:	10
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-58097/16 Calibration Date: 09/18/2012 15:40

Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 09/18/2012 15:16

Lab File ID: P1000016.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachlorophenol	Lin1		1903997607		0.0104	0.0100	3.4	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-58097/16 Calibration Date: 09/18/2012 15:40

Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 09/18/2012 15:16

Lab File ID: P1000016.D

Analyte	RT	RT WINDOW	
		FROM	TO
Pentachlorophenol	8.31	8.29	8.33

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000016.D		
Lims ID:	ICV PCP	Client ID:	
Inject. Date:	18-Sep-2012 15:40:18	Dil. Factor:	1.0000
Sample Type:	ICV		
Sample ID:	240-0013294-016		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	16
Lims Batch ID:	58097	Lims Sample ID:	16
Sublist:			
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\8151_1.m		
Last Update:	18-Sep-2012 19:47:16	Calib Date:	18-Sep-2012 15:16:51
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000015.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	CORP-CTX-18		

First Level Reviewer: roachc Date: 18-Sep-2012 19:41:48

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						M
1	8.312	8.312	0.000	19097096	0.0104	
2	9.273	9.274	-0.001	7504100	0.009710	M
					RPD = 6.59	

QC Flag Legend

Review Flags
M - Manually Integrated

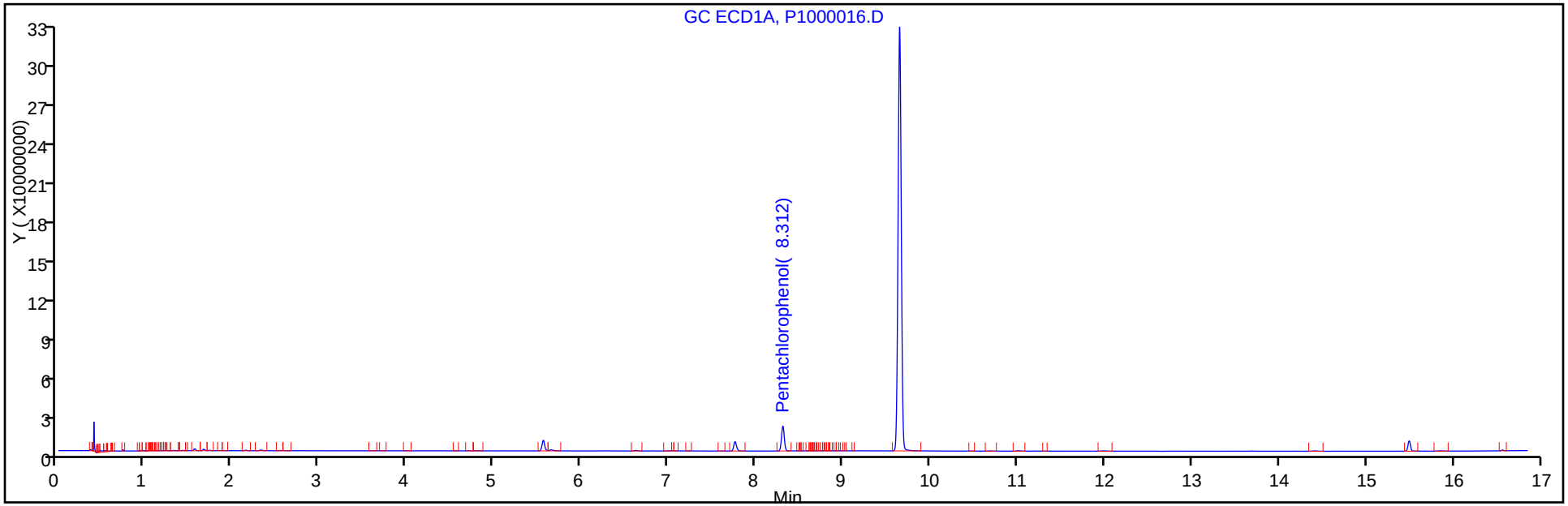
Report Date: 18-Sep-2012 19:47:17 Chrom Revision: 2.0 21-Aug-2012 09:09:58

TestAmerica Canton

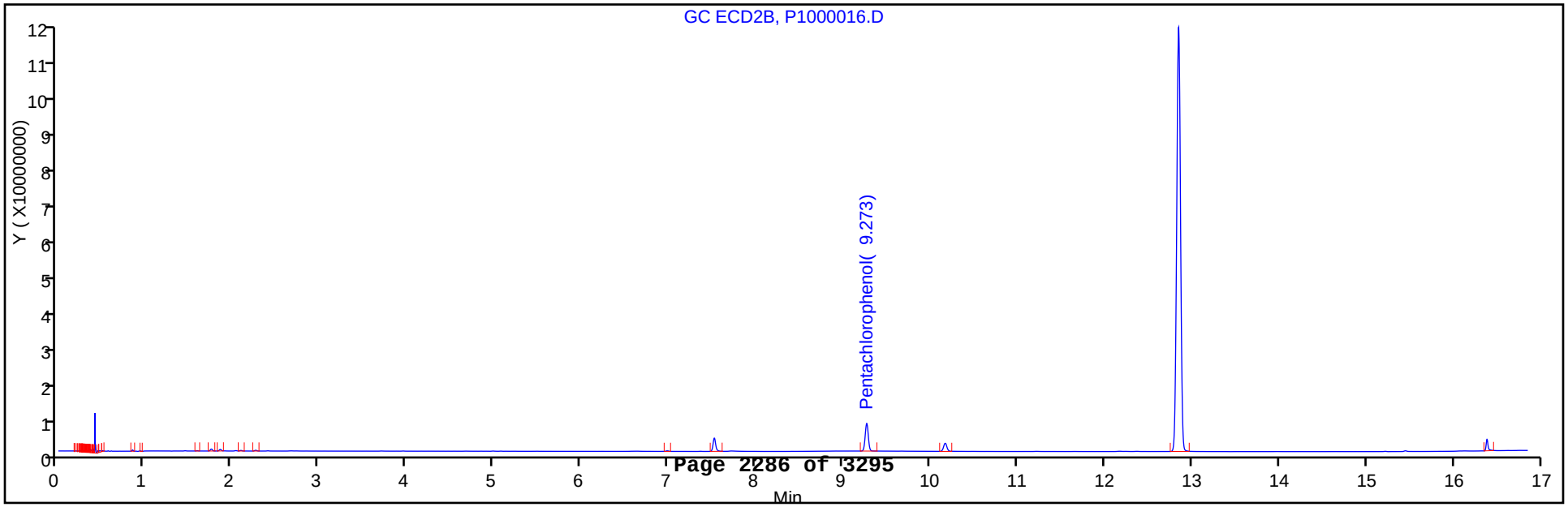
Data File: \\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000016.D

Injection Date:	18-Sep-2012 15:40:18	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	58097	Lims Sample ID:	16
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-58097/16 Calibration Date: 09/18/2012 15:40

Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 09/18/2012 15:16

Lab File ID: P1000016.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachlorophenol	Lin1		748165503		0.00971	0.0100	-3.2	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-58097/16 Calibration Date: 09/18/2012 15:40

Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 09/18/2012 15:16

Lab File ID: P1000016.D

Analyte	RT	RT WINDOW	
		FROM	TO
Pentachlorophenol	9.27	9.25	9.29

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000016.D		
Lims ID:	ICV PCP	Client ID:	
Inject. Date:	18-Sep-2012 15:40:18	Dil. Factor:	1.0000
Sample Type:	ICV		
Sample ID:	240-0013294-016		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	16
Lims Batch ID:	58097	Lims Sample ID:	16
Sublist:			
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\8151_1.m		
Last Update:	18-Sep-2012 19:47:16	Calib Date:	18-Sep-2012 15:16:51
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000015.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	CORP-CTX-18		

First Level Reviewer: roachc Date: 18-Sep-2012 19:41:48

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						M
1	8.312	8.312	0.000	19097096	0.0104	
2	9.273	9.274	-0.001	7504100	0.009710	M
					RPD = 6.59	

QC Flag Legend

Review Flags
M - Manually Integrated

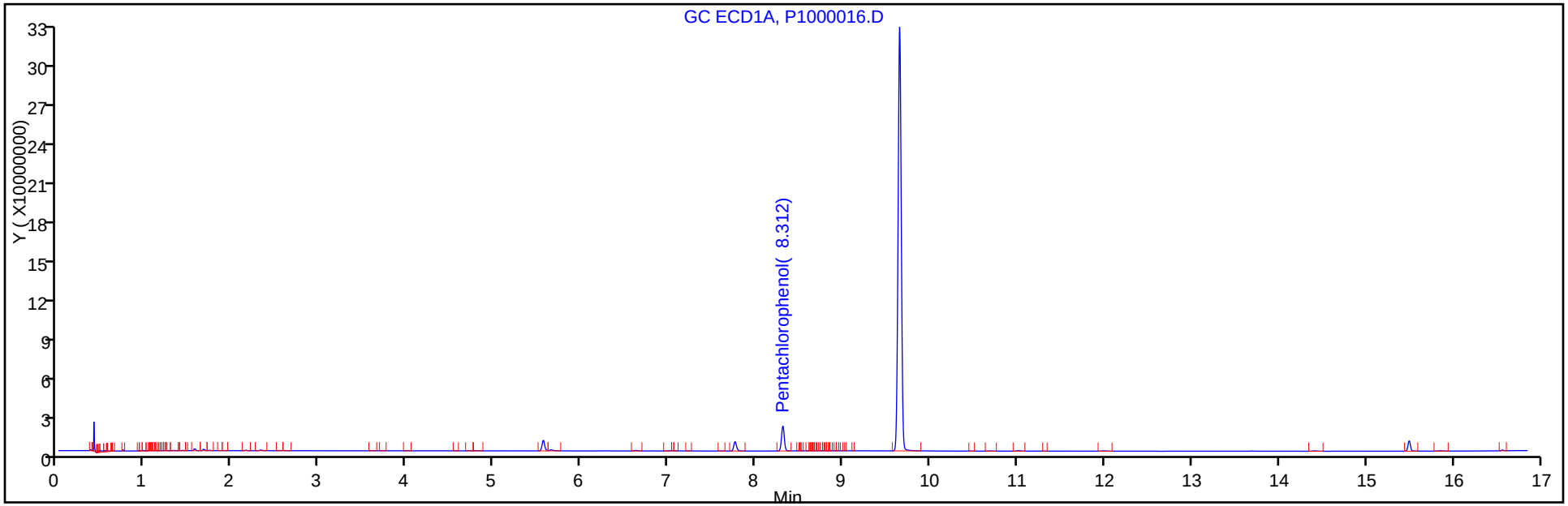
Report Date: 18-Sep-2012 19:47:18 Chrom Revision: 2.0 21-Aug-2012 09:09:58

TestAmerica Canton

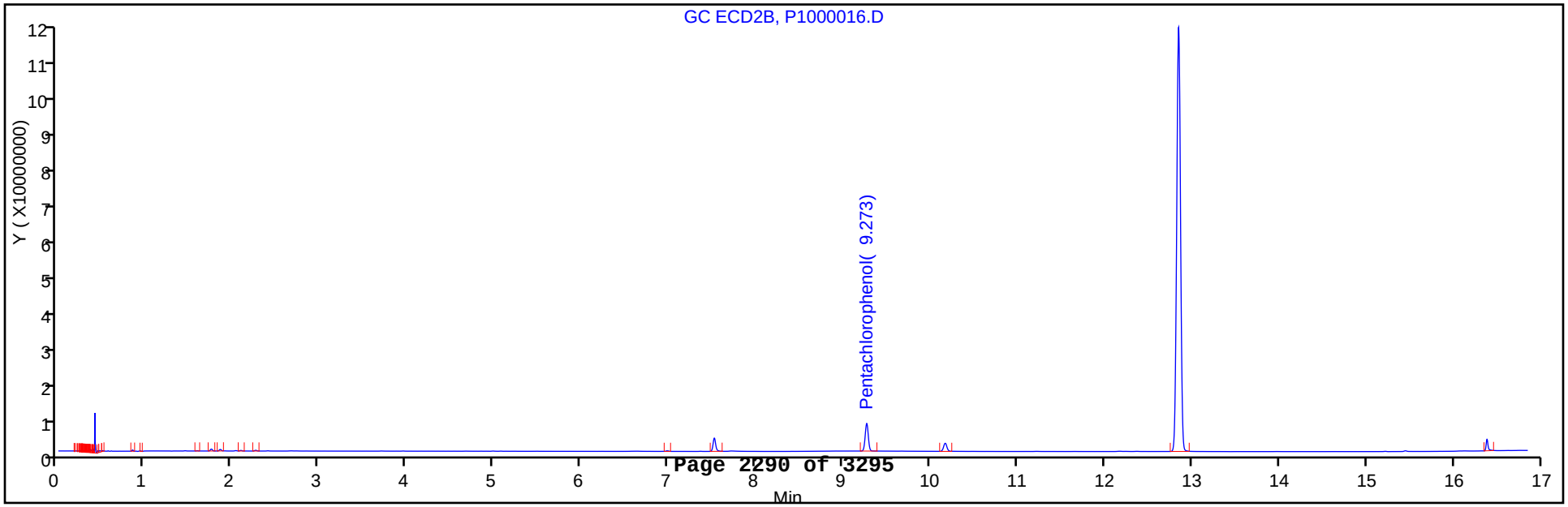
Data File: \\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000016.D

Injection Date:	18-Sep-2012 15:40:18	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	58097	Lims Sample ID:	16
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



Report Date: 18-Sep-2012 19:47:18 Chrom Revision: 2.0 21-Aug-2012 09:09:58

Manual Integration/User Assign Peak Report

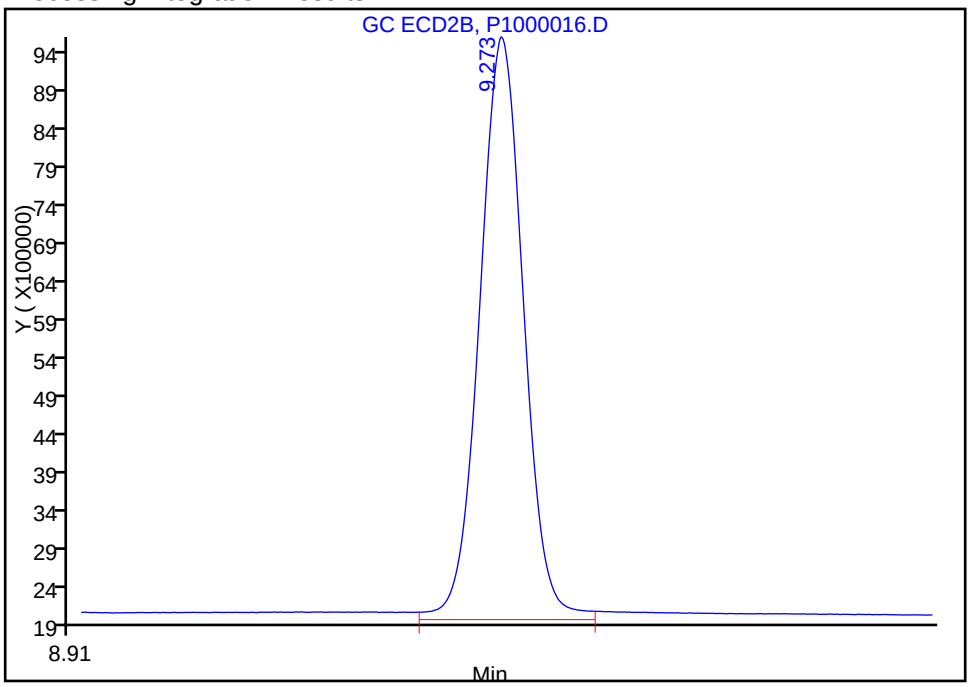
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000016.D		
Injection Date:	18-Sep-2012 15:40:18	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	58097	Lims Sample ID:	16
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

11 Pentachlorophenol, Signal: 2, Type: quant, RT: 9.27, Det: GC ecd2b

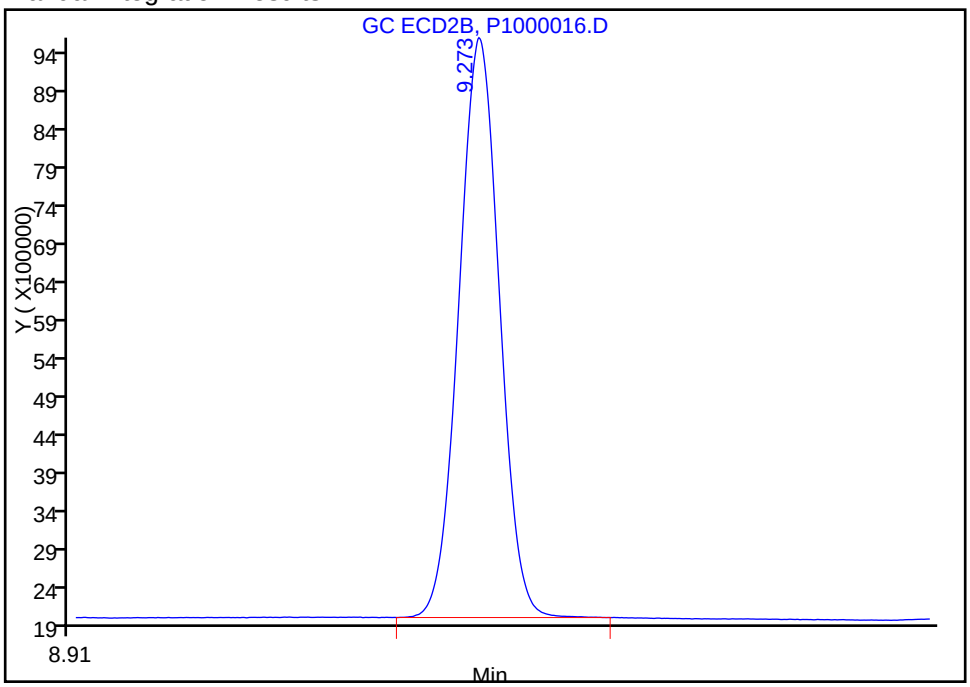
Processing Integration Results

RT: 9.27
Response: 7598435
Amount: 0.010898



Manual Integration Results

RT: 9.27
Response: 7504100
Amount: 0.009710



Reviewer: roachc, 18-Sep-2012 19:41:48
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-67147/12 Calibration Date: 12/03/2012 20:15

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000012.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	457412034	430315614		0.0375	0.0399	-5.9	20.0
Dicamba	Ave	617859973	602030225		0.0390	0.0400	-2.6	20.0
MCPP	Qua		717995		8.72	8.00	9.1	20.0
MCPA	Qua		929091		8.60	8.00	7.5	20.0
Dichlorprop	Ave	138436820	148494013		0.0858	0.0800	7.3	20.0
2,4-D	Ave	150538188	155342050		0.0826	0.0800	3.2	20.0
Silvex (2,4,5-TP)	Ave	763444311	752046950		0.0197	0.0200	-1.5	20.0
2,4,5-T	Ave	613790425	631130100		0.0206	0.0200	2.8	20.0
2,4-DB	Ave	63842790	64037063		0.0802	0.0800	0.3	20.0
Dinoseb	Ave	505863757	519217500		0.0123	0.0120	2.6	20.0
2,4-Dichlorophenylacetic acid	Ave	149068897	148613575		0.0798	0.0800	-0.3	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-67147/12 Calibration Date: 12/03/2012 20:15

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000012.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.25	1.23	1.27
Dicamba	7.15	7.13	7.17
MCPP	7.43	7.41	7.45
MCPA	7.59	7.57	7.61
Dichlorprop	7.96	7.94	7.98
2,4-D	8.20	8.18	8.22
Silvex (2,4,5-TP)	9.08	9.06	9.10
2,4,5-T	9.40	9.37	9.41
2,4-DB	10.02	10.00	10.04
Dinoseb	11.23	11.20	11.26
2,4-Dichlorophenylacetic acid	6.98	6.96	7.00

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000012.D		
Lims ID:	ICV Corp	Client ID:	
Inject. Date:	03-Dec-2012 20:15:46	Dil. Factor:	1.0000
Sample Type:	ICV		
Sample ID:	240-0015481-012		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	12
Lims Batch ID:	67147	Lims Sample ID:	12
Sublist:			
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\8151_1.m		
Last Update:	04-Dec-2012 08:26:07	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		
First Level Reviewer: roachc		Date:	04-Dec-2012 08:04:07

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.248	1.248	0.000	17169593	0.0375	
2	1.388	1.388	0.000	5259939	0.0362	
					RPD = 3.61	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.979	6.979	0.000	11889086	0.0798	
2	7.630	7.629	0.001	4739210	0.0763	
					RPD = 4.37	
6 Dicamba						
1	7.145	7.145	0.000	24081209	0.0390	
2	7.796	7.797	-0.001	9725861	0.0380	
					RPD = 2.44	
10 MCPP						
1	7.429	7.429	0.000	5743956	8.72	
2	7.981	7.982	-0.001	2303538	8.43	
					RPD = 3.41	
9 MCPA						
1	7.592	7.593	-0.001	7432728	8.60	
2	8.234	8.233	0.001	3092604	8.91	
					RPD = 3.58	
7 Dichlorprop						
1	7.964	7.964	0.000	11879521	0.0858	
2	8.595	8.594	0.001	4414561	0.0837	
					RPD = 2.45	
2 2,4-D						
1	8.203	8.202	0.001	12427364	0.0826	
2	8.951	8.950	0.001	5047212	0.0814	
					RPD = 1.41	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						M
1	9.080	9.079	0.001	15040939	0.0197	M
2	9.890	9.889	0.001	5455084	0.0192	
					RPD = 2.50	
1 2,4,5-T						
1	9.395	9.394	0.001	12622602	0.0206	
2	10.369	10.369	0.000	4759449	0.0196	
					RPD = 4.72	
3 2,4-DB						
1	10.023	10.024	-0.001	5122965	0.0802	
2	11.018	11.019	-0.001	2054239	0.0773	
					RPD = 3.69	
8 Dinoseb						
1	11.232	11.231	0.001	6230610	0.0123	
2	11.396	11.395	0.001	2263351	0.0117	
					RPD = 5.10	

QC Flag Legend

Review Flags
M - Manually Integrated

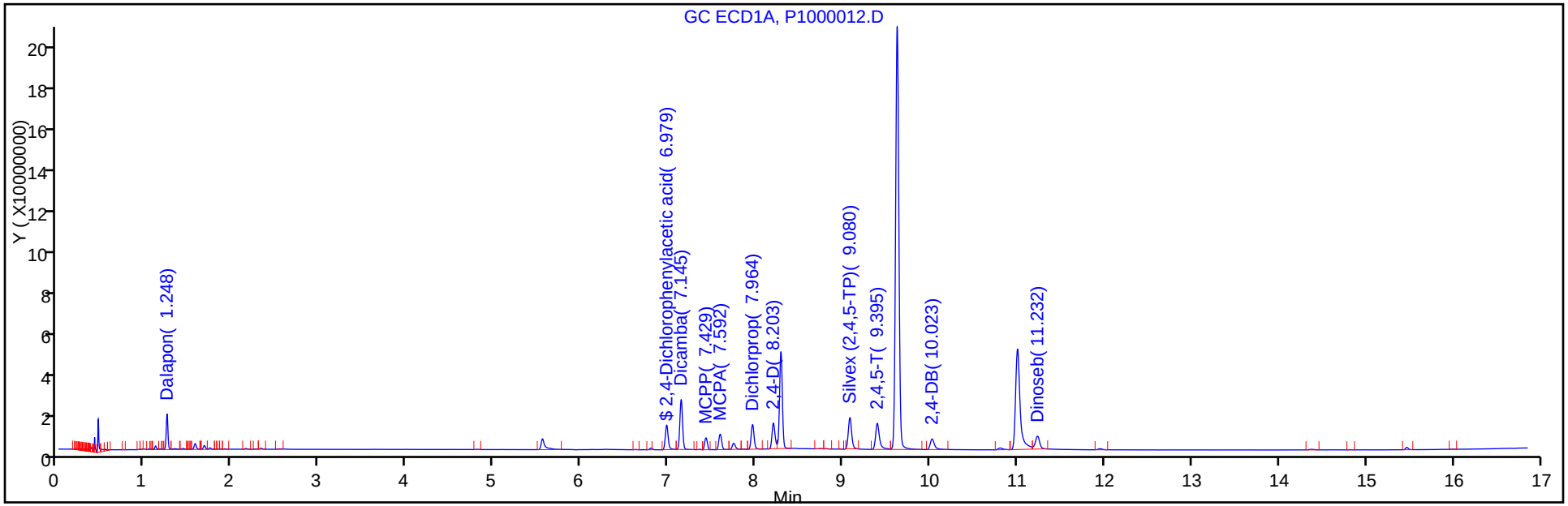
Report Date: 04-Dec-2012 08:26:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

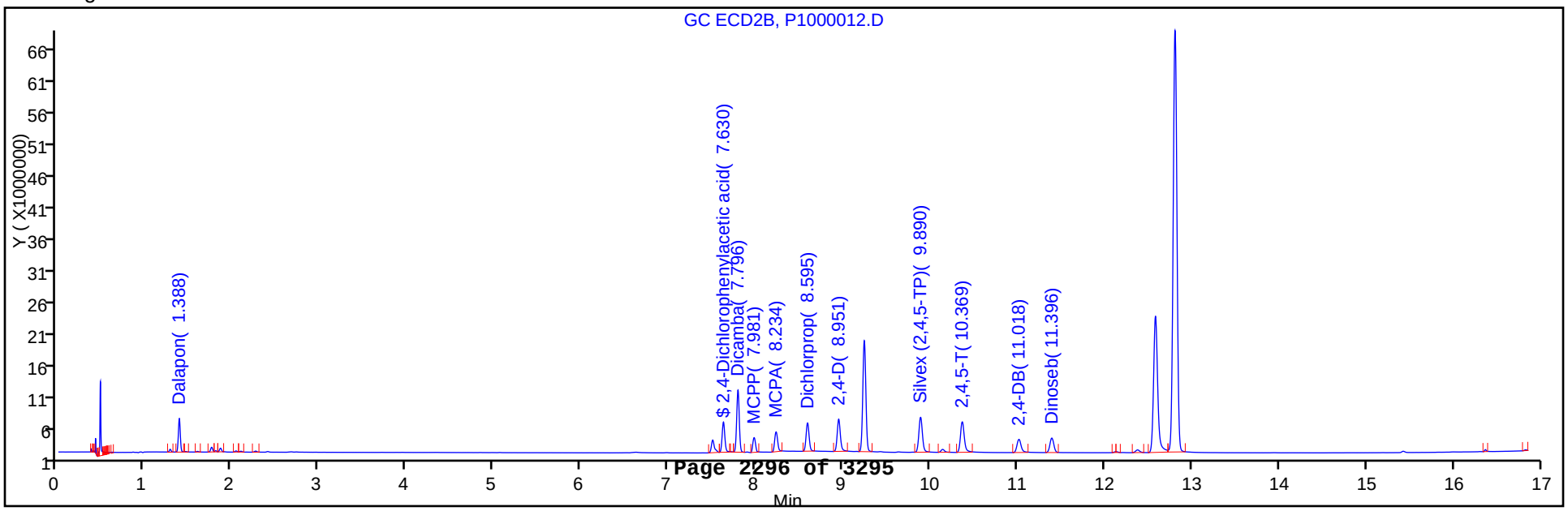
Data File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000012.D

Injection Date:	03-Dec-2012 20:15:46	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	67147	Lims Sample ID:	12
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



Manual Integration/User Assign Peak Report

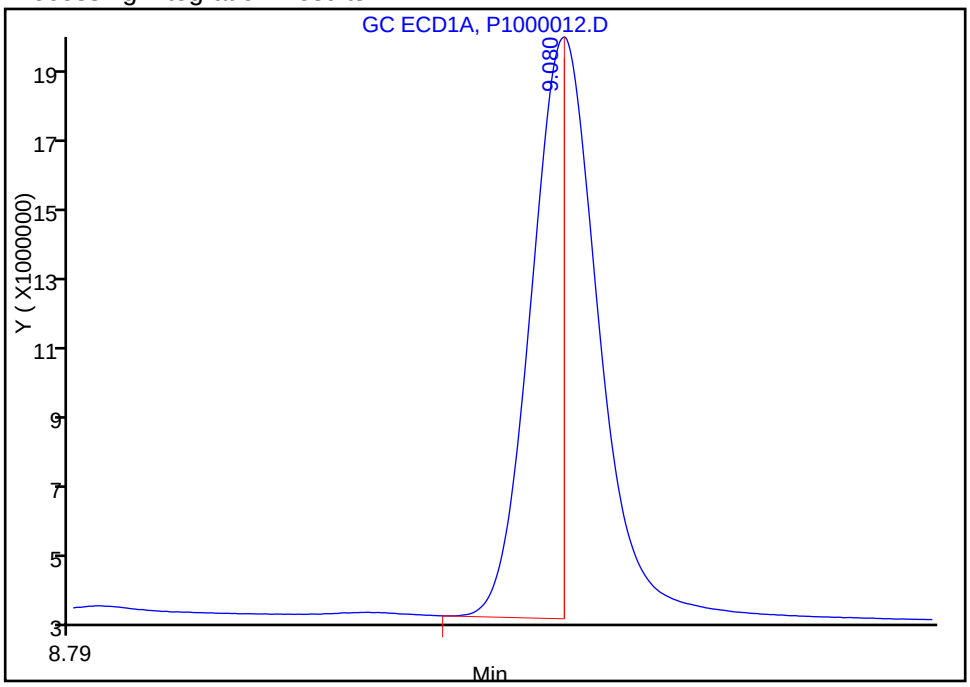
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000012.D		
Injection Date:	03-Dec-2012 20:15:46	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	67147	Lims Sample ID:	12
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

12 Silvex (2,4,5-TP), Signal: 1, Type: quant, RT: 9.08, Det: GC ECD1A

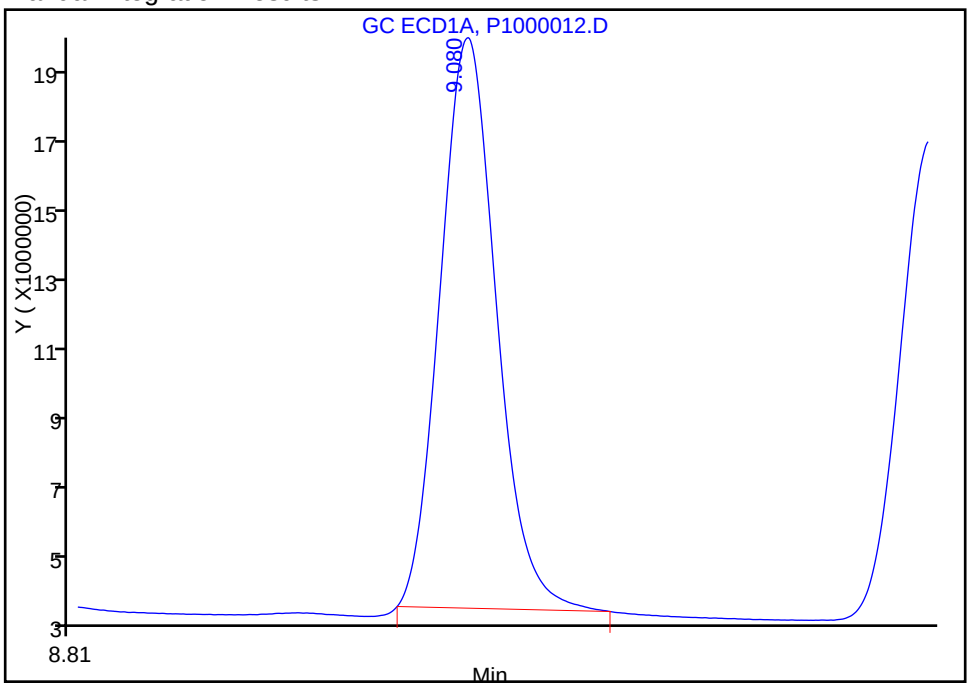
Processing Integration Results

RT: 9.08
Response: 15334585
Amount: 0.020086



Manual Integration Results

RT: 9.08
Response: 15040939
Amount: 0.019701



Reviewer: roachc, 04-Dec-2012 08:04:07
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-67147/12 Calibration Date: 12/03/2012 20:15

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000012.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	145285641	131828045		0.0362	0.0399	-9.3	20.0
Dicamba	Ave	255708069	243146525		0.0380	0.0400	-4.9	20.0
MCPP	Qua		287942		8.43	8.00	5.4	20.0
MCPA	Lin1		386576		8.91	8.00	11.4	20.0
Dichlorprop	Ave	52718146	55182013		0.0837	0.0800	4.7	20.0
2,4-D	Ave	62005138	63090150		0.0814	0.0800	1.7	20.0
Silvex (2,4,5-TP)	Ave	283903898	272754200		0.0192	0.0200	-3.9	20.0
2,4,5-T	Ave	242611790	237972450		0.0196	0.0200	-1.9	20.0
2,4-DB	Ave	26562352	25677988		0.0773	0.0800	-3.3	20.0
Dinoseb	Ave	193371382	188612583		0.0117	0.0120	-2.5	20.0
2,4-Dichlorophenylacetic acid	Ave	62078149	59240125		0.0763	0.0800	-4.6	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-67147/12 Calibration Date: 12/03/2012 20:15

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000012.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.39	1.37	1.41
Dicamba	7.80	7.78	7.82
MCPP	7.98	7.96	8.00
MCPA	8.23	8.21	8.25
Dichlorprop	8.60	8.57	8.61
2,4-D	8.95	8.93	8.97
Silvex (2,4,5-TP)	9.89	9.87	9.91
2,4,5-T	10.37	10.35	10.39
2,4-DB	11.02	11.00	11.04
Dinoseb	11.40	11.37	11.43
2,4-Dichlorophenylacetic acid	7.63	7.61	7.65

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000012.D		
Lims ID:	ICV Corp	Client ID:	
Inject. Date:	03-Dec-2012 20:15:46	Dil. Factor:	1.0000
Sample Type:	ICV		
Sample ID:	240-0015481-012		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	12
Lims Batch ID:	67147	Lims Sample ID:	12
Sublist:			
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\8151_1.m		
Last Update:	04-Dec-2012 08:26:07	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		
First Level Reviewer: roachc		Date:	04-Dec-2012 08:04:07

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.248	1.248	0.000	17169593	0.0375	
2	1.388	1.388	0.000	5259939	0.0362	
					RPD = 3.61	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.979	6.979	0.000	11889086	0.0798	
2	7.630	7.629	0.001	4739210	0.0763	
					RPD = 4.37	
6 Dicamba						
1	7.145	7.145	0.000	24081209	0.0390	
2	7.796	7.797	-0.001	9725861	0.0380	
					RPD = 2.44	
10 MCPP						
1	7.429	7.429	0.000	5743956	8.72	
2	7.981	7.982	-0.001	2303538	8.43	
					RPD = 3.41	
9 MCPA						
1	7.592	7.593	-0.001	7432728	8.60	
2	8.234	8.233	0.001	3092604	8.91	
					RPD = 3.58	
7 Dichlorprop						
1	7.964	7.964	0.000	11879521	0.0858	
2	8.595	8.594	0.001	4414561	0.0837	
					RPD = 2.45	
2 2,4-D						
1	8.203	8.202	0.001	12427364	0.0826	
2	8.951	8.950	0.001	5047212	0.0814	
					RPD = 1.41	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						M
1	9.080	9.079	0.001	15040939	0.0197	M
2	9.890	9.889	0.001	5455084	0.0192	
					RPD = 2.50	
1 2,4,5-T						
1	9.395	9.394	0.001	12622602	0.0206	
2	10.369	10.369	0.000	4759449	0.0196	
					RPD = 4.72	
3 2,4-DB						
1	10.023	10.024	-0.001	5122965	0.0802	
2	11.018	11.019	-0.001	2054239	0.0773	
					RPD = 3.69	
8 Dinoseb						
1	11.232	11.231	0.001	6230610	0.0123	
2	11.396	11.395	0.001	2263351	0.0117	
					RPD = 5.10	

QC Flag Legend

Review Flags
M - Manually Integrated

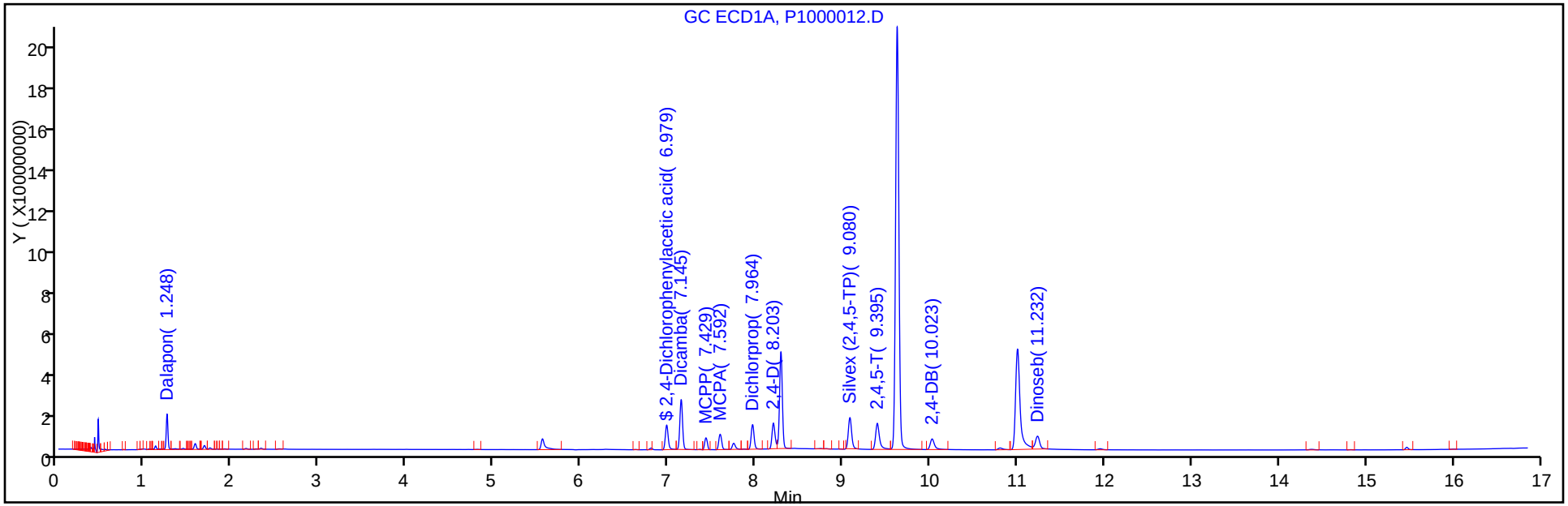
Report Date: 04-Dec-2012 08:26:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

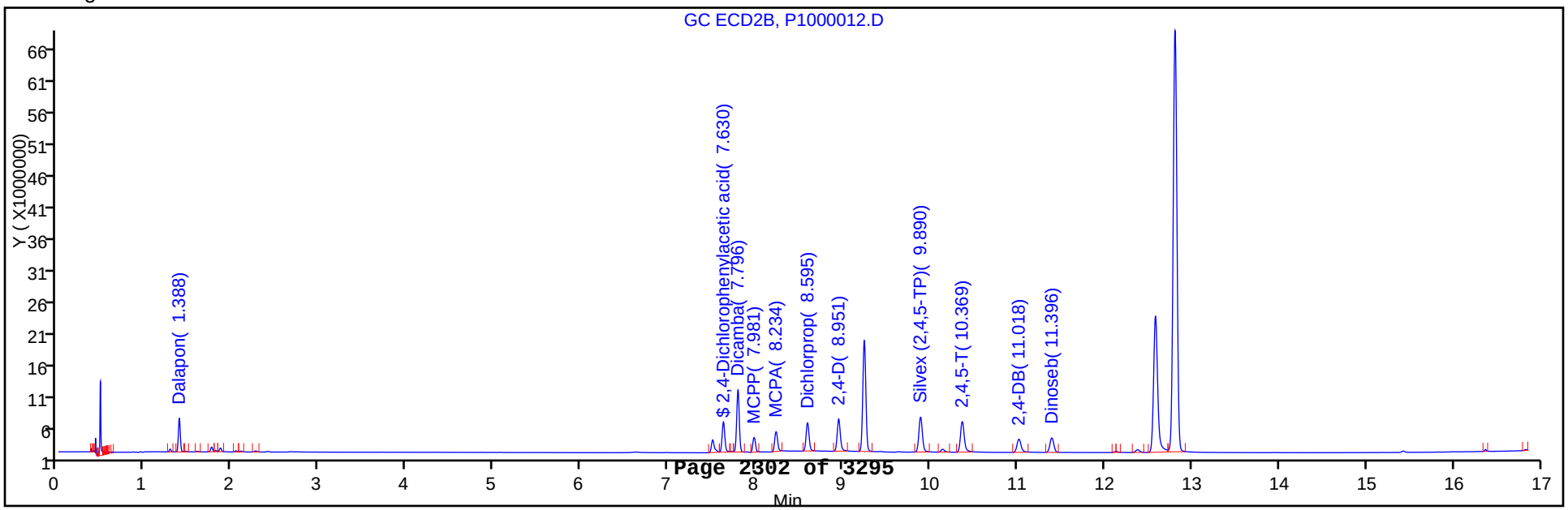
Data File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000012.D

Injection Date:	03-Dec-2012 20:15:46	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	67147	Lims Sample ID:	12
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-70037/5 Calibration Date: 12/24/2012 16:29

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000005.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	457412034	439821075		0.0385	0.0400	-3.8	20.0
Dicamba	Ave	617859973	676166800		0.0438	0.0400	9.4	20.0
MCPP	Qua		770864		9.57	8.00	19.6	20.0
MCPA	Qua		997024		9.48	8.00	18.5	20.0
Dichlorprop	Ave	138436820	150192450		0.0868	0.0800	8.5	20.0
2,4-D	Ave	150538188	155562513		0.0827	0.0800	3.3	20.0
Silvex (2,4,5-TP)	Ave	763444311	778739950		0.0204	0.0200	2.0	20.0
2,4,5-T	Ave	613790425	586667850		0.0191	0.0200	-4.4	20.0
2,4-DB	Ave	63842790	62006675		0.0777	0.0800	-2.9	20.0
Dinoseb	Ave	505863757	491811167		0.0117	0.0120	-2.8	20.0
2,4-Dichlorophenylacetic acid	Ave	149068897	161417875		0.0866	0.0800	8.3	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-70037/5 Calibration Date: 12/24/2012 16:29

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000005.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.24	1.22	1.26
Dicamba	7.13	7.11	7.15
MCPP	7.42	7.40	7.44
MCPA	7.58	7.56	7.60
Dichlorprop	7.95	7.93	7.97
2,4-D	8.19	8.17	8.21
Silvex (2,4,5-TP)	9.06	9.04	9.08
2,4,5-T	9.38	9.36	9.40
2,4-DB	10.01	9.99	10.03
Dinoseb	11.22	11.19	11.25
2,4-Dichlorophenylacetic acid	6.97	6.95	6.99

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000005.D
Lims ID: CCV Client ID:
Inject. Date: 24-Dec-2012 16:29:31 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 240-0016161-005
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 70037 Lims Sample ID: 5
Sublist: chrom-8151_1*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP1\20121224-16161.b\8151_1.m
Last Update: 26-Dec-2012 13:51:49 Calib Date: 03-Dec-2012 19:52:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.238	1.238	0.000	17592843	0.0385	
2	1.371	1.371	0.000	6205234	0.0427	
					RPD = 10.47	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.967	6.967	0.000	12913430	0.0866	
2	7.608	7.608	0.000	5363894	0.0864	
					RPD = 0.26	
6 Dicamba						
1	7.133	7.133	0.000	27046672	0.0438	
2	7.774	7.774	0.000	11135114	0.0435	
					RPD = 0.52	
10 MCPP						
1	7.418	7.418	0.000	6166914	9.57	
2	7.960	7.960	0.000	2348281	8.64	
					RPD = 10.23	
9 MCPA						
1	7.580	7.580	0.000	7976195	9.48	
2	8.210	8.210	0.000	3166971	9.20	
					RPD = 3.08	
7 Dichlorprop						
1	7.950	7.950	0.000	12015396	0.0868	
2	8.570	8.570	0.000	4508856	0.0855	
					RPD = 1.47	
2 2,4-D						
1	8.190	8.190	0.000	12445001	0.0827	
2	8.926	8.926	0.000	5054725	0.0815	
					RPD = 1.40	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						
1	9.064	9.064	0.000	15574799	0.0204	
2	9.860	9.860	0.000	5826068	0.0205	
					RPD = 0.59	
1 2,4,5-T						
1	9.380	9.380	0.000	11733357	0.0191	
2	10.338	10.338	0.000	4780873	0.0197	
					RPD = 3.04	
3 2,4-DB						
1	10.010	10.010	0.000	4960534	0.0777	
2	10.988	10.988	0.000	2086735	0.0786	
					RPD = 1.10	
8 Dinoseb						
1	11.216	11.216	0.000	5901734	0.0117	
2	11.365	11.365	0.000	2259438	0.0117	
					RPD = 0.15	

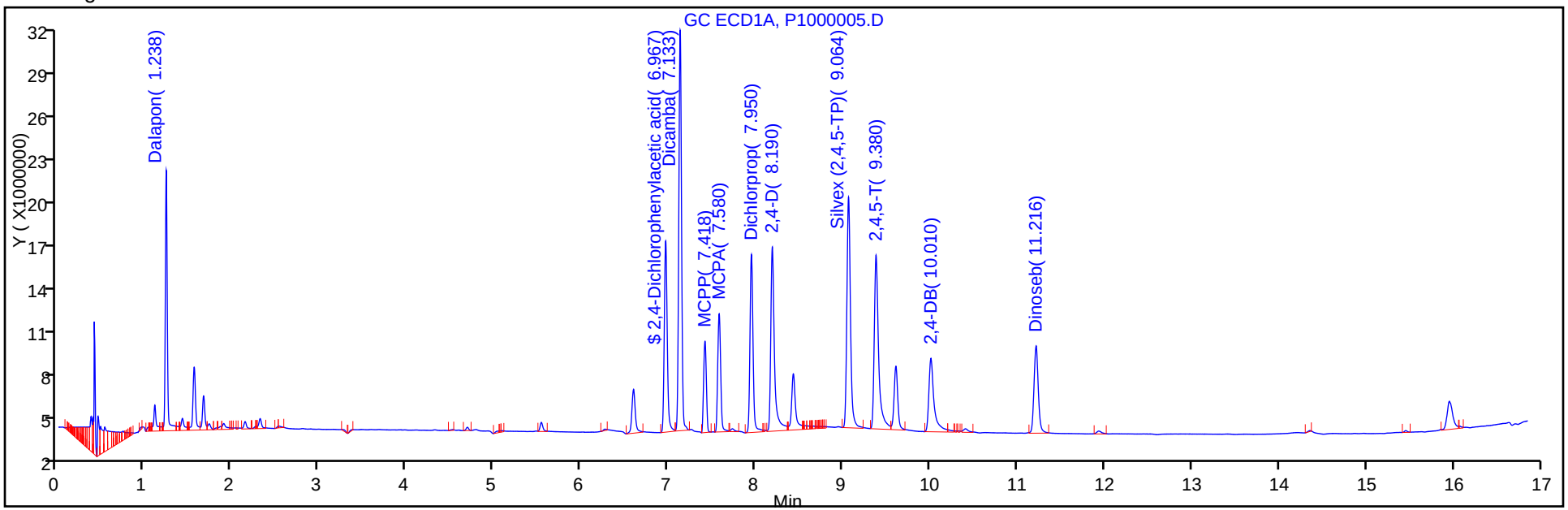
Report Date: 26-Dec-2012 13:51:51 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

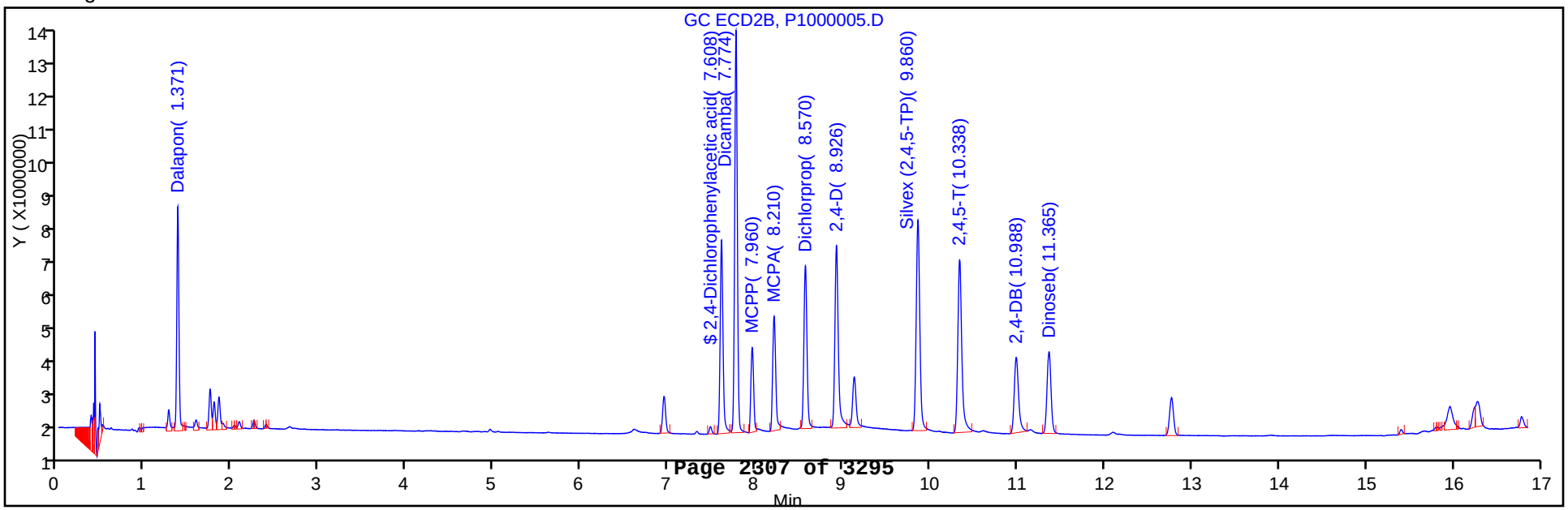
Data File: \\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000005.D

Injection Date:	24-Dec-2012 16:29:31	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70037	Lims Sample ID:	5
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-70037/5 Calibration Date: 12/24/2012 16:29

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000005.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	145285641	155130850		0.0427	0.0400	6.8	20.0
Dicamba	Ave	255708069	278377850		0.0435	0.0400	8.9	20.0
MCPP	Qua		293535		8.64	8.00	8.0	20.0
MCPA	Lin1		395871		9.20	8.00	14.9	20.0
Dichlorprop	Ave	52718146	56360700		0.0855	0.0800	6.9	20.0
2,4-D	Ave	62005138	63184063		0.0815	0.0800	1.9	20.0
Silvex (2,4,5-TP)	Ave	283903898	291303400		0.0205	0.0200	2.6	20.0
2,4,5-T	Ave	242611790	239043650		0.0197	0.0200	-1.5	20.0
2,4-DB	Ave	26562352	26084188		0.0786	0.0800	-1.8	20.0
Dinoseb	Ave	193371382	188286500		0.0117	0.0120	-2.6	20.0
2,4-Dichlorophenylacetic acid	Ave	62078149	67048675		0.0864	0.0800	8.0	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-70037/5 Calibration Date: 12/24/2012 16:29

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000005.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.37	1.35	1.39
Dicamba	7.77	7.75	7.79
MCPP	7.96	7.94	7.98
MCPA	8.21	8.19	8.23
Dichlorprop	8.57	8.55	8.59
2,4-D	8.93	8.91	8.95
Silvex (2,4,5-TP)	9.86	9.84	9.88
2,4,5-T	10.34	10.32	10.36
2,4-DB	10.99	10.97	11.01
Dinoseb	11.37	11.34	11.40
2,4-Dichlorophenylacetic acid	7.61	7.59	7.63

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000005.D
Lims ID: CCV Client ID:
Inject. Date: 24-Dec-2012 16:29:31 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 240-0016161-005
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 70037 Lims Sample ID: 5
Sublist: chrom-8151_1*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP1\20121224-16161.b\8151_1.m
Last Update: 26-Dec-2012 13:51:49 Calib Date: 03-Dec-2012 19:52:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.238	1.238	0.000	17592843	0.0385	
2	1.371	1.371	0.000	6205234	0.0427	
					RPD = 10.47	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.967	6.967	0.000	12913430	0.0866	
2	7.608	7.608	0.000	5363894	0.0864	
					RPD = 0.26	
6 Dicamba						
1	7.133	7.133	0.000	27046672	0.0438	
2	7.774	7.774	0.000	11135114	0.0435	
					RPD = 0.52	
10 MCPP						
1	7.418	7.418	0.000	6166914	9.57	
2	7.960	7.960	0.000	2348281	8.64	
					RPD = 10.23	
9 MCPA						
1	7.580	7.580	0.000	7976195	9.48	
2	8.210	8.210	0.000	3166971	9.20	
					RPD = 3.08	
7 Dichlorprop						
1	7.950	7.950	0.000	12015396	0.0868	
2	8.570	8.570	0.000	4508856	0.0855	
					RPD = 1.47	
2 2,4-D						
1	8.190	8.190	0.000	12445001	0.0827	
2	8.926	8.926	0.000	5054725	0.0815	
					RPD = 1.40	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						
1	9.064	9.064	0.000	15574799	0.0204	
2	9.860	9.860	0.000	5826068	0.0205	
					RPD = 0.59	
1 2,4,5-T						
1	9.380	9.380	0.000	11733357	0.0191	
2	10.338	10.338	0.000	4780873	0.0197	
					RPD = 3.04	
3 2,4-DB						
1	10.010	10.010	0.000	4960534	0.0777	
2	10.988	10.988	0.000	2086735	0.0786	
					RPD = 1.10	
8 Dinoseb						
1	11.216	11.216	0.000	5901734	0.0117	
2	11.365	11.365	0.000	2259438	0.0117	
					RPD = 0.15	

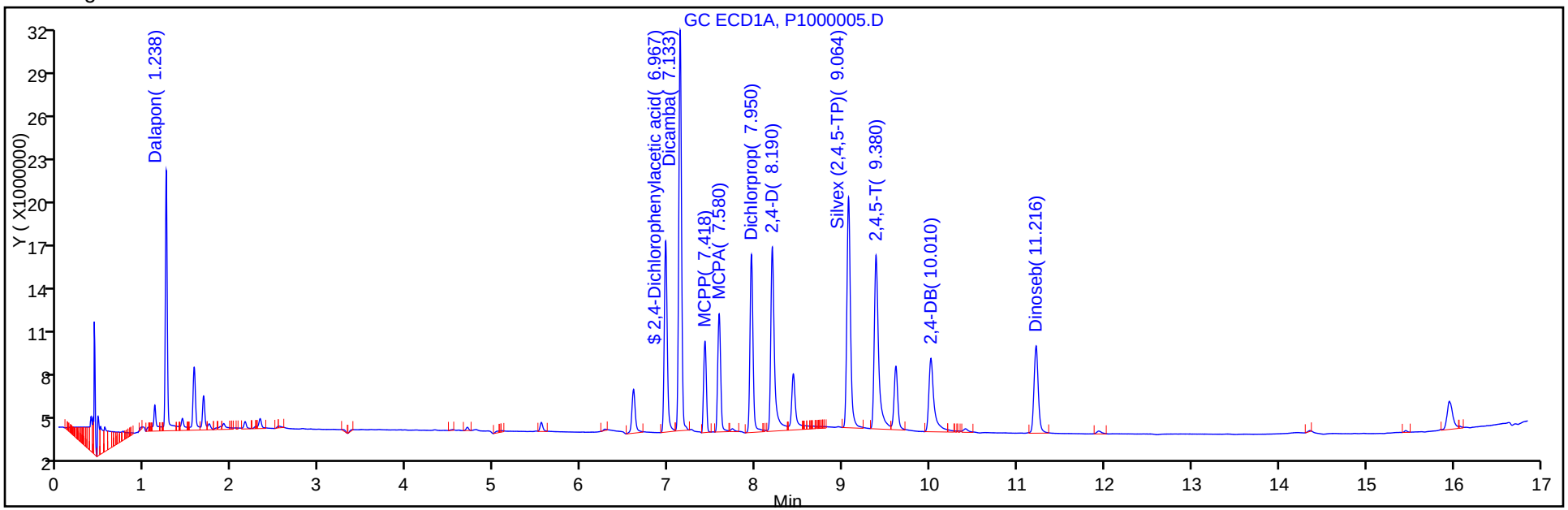
Report Date: 26-Dec-2012 13:51:51 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

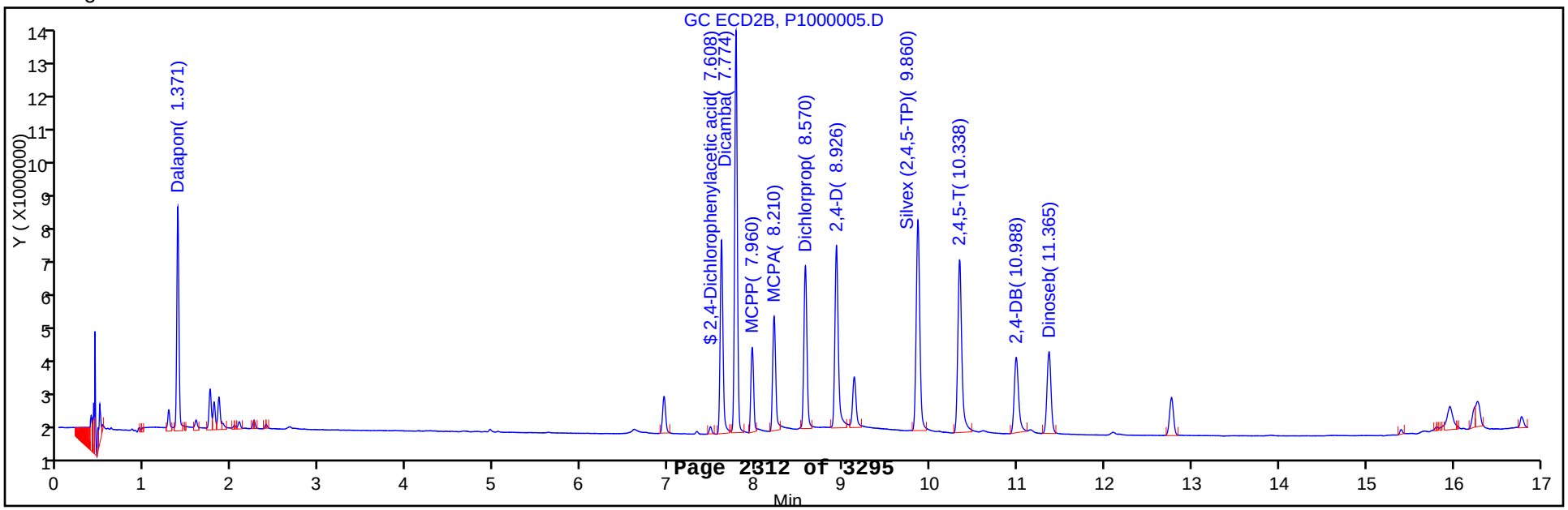
Data File: \\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000005.D

Injection Date:	24-Dec-2012 16:29:31	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70037	Lims Sample ID:	5
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-70037/6 Calibration Date: 12/24/2012 16:52

Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 09/18/2012 15:16

Lab File ID: P1000006.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachlorophenol	Lin1		2039733400		0.0112	0.0100	11.7	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-70037/6 Calibration Date: 12/24/2012 16:52

Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 09/18/2012 15:16

Lab File ID: P1000006.D

Analyte	RT	RT WINDOW	
		FROM	TO
Pentachlorophenol	8.28	8.26	8.30

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000006.D		
Lims ID:	CCV PCP	Client ID:	
Inject. Date:	24-Dec-2012 16:52:56	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0016161-006		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	6
Lims Batch ID:	70037	Lims Sample ID:	6
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121224-16161.b\8151_1.m		
Last Update:	26-Dec-2012 12:33:13	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.278	8.278	0.000	20397334	0.0112	
2	9.219	9.219	0.000	8041572	0.0105	
					RPD = 6.46	

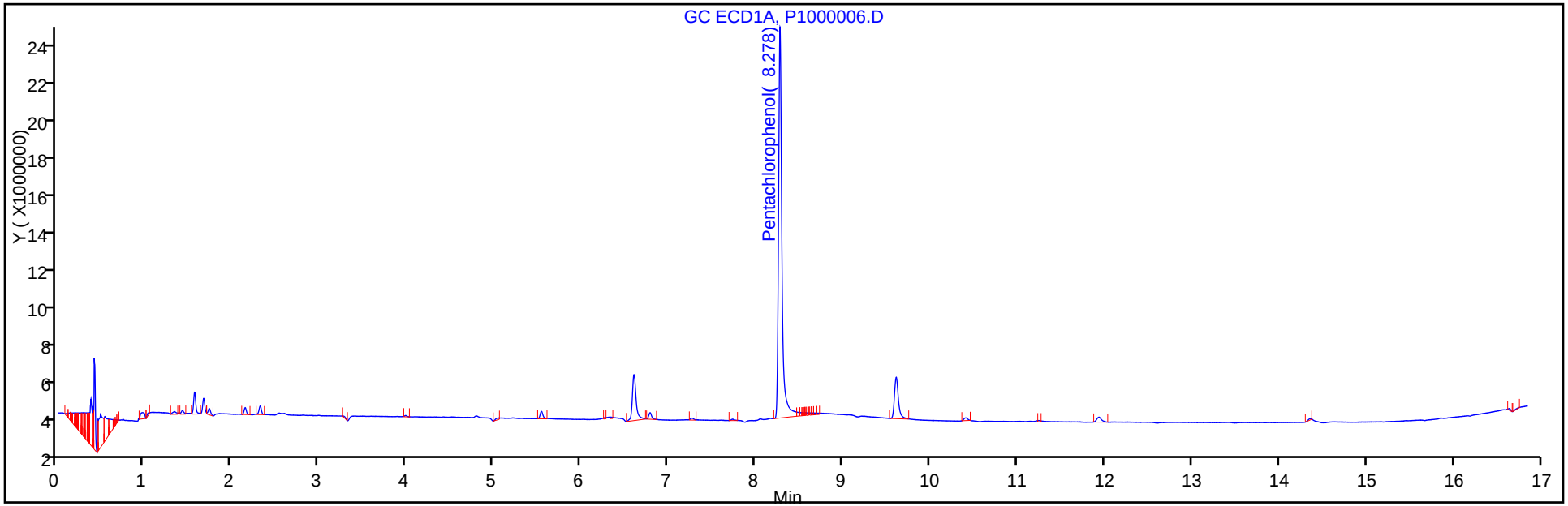
Report Date: 26-Dec-2012 12:33:14 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

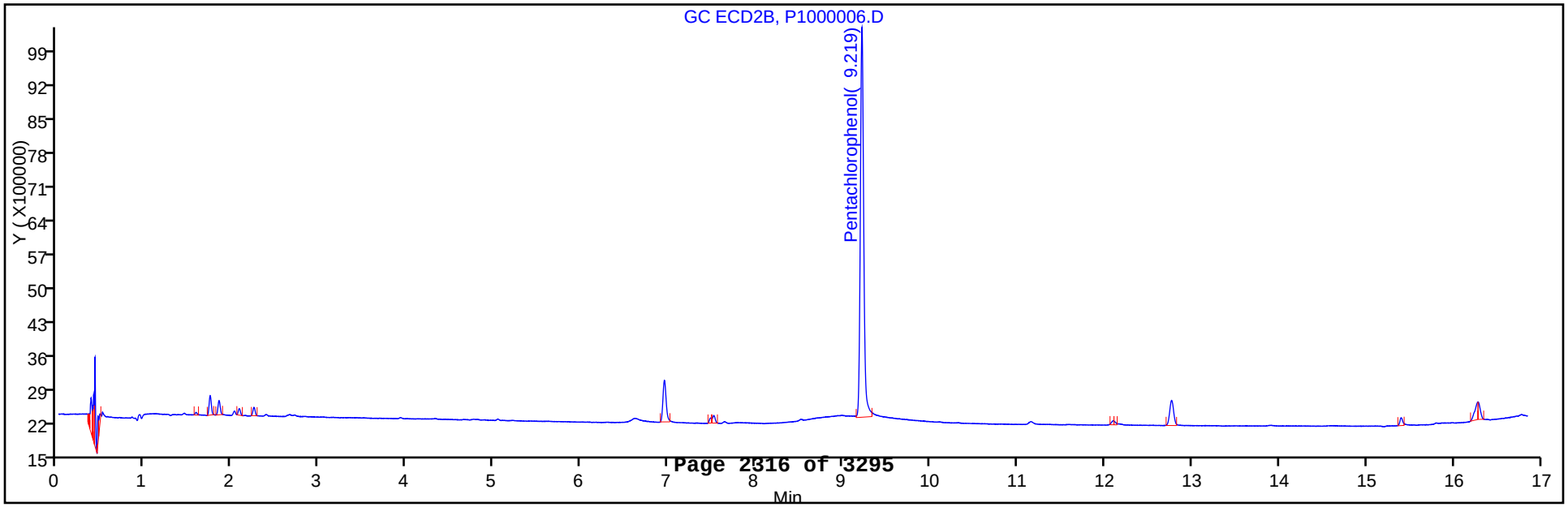
Data File: \\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000006.D

Injection Date:	24-Dec-2012 16:52:56	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70037	Lims Sample ID:	6
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-70037/6 Calibration Date: 12/24/2012 16:52

Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 09/18/2012 15:16

Lab File ID: P1000006.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachlorophenol	Lin1		804157200		0.0105	0.0100	4.7	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-70037/6 Calibration Date: 12/24/2012 16:52

Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 09/18/2012 15:16

Lab File ID: P1000006.D

Analyte	RT	RT WINDOW	
		FROM	TO
Pentachlorophenol	9.22	9.20	9.24

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000006.D		
Lims ID:	CCV PCP	Client ID:	
Inject. Date:	24-Dec-2012 16:52:56	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0016161-006		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	6
Lims Batch ID:	70037	Lims Sample ID:	6
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121224-16161.b\8151_1.m		
Last Update:	26-Dec-2012 12:33:13	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.278	8.278	0.000	20397334	0.0112	
2	9.219	9.219	0.000	8041572	0.0105	
					RPD = 6.46	

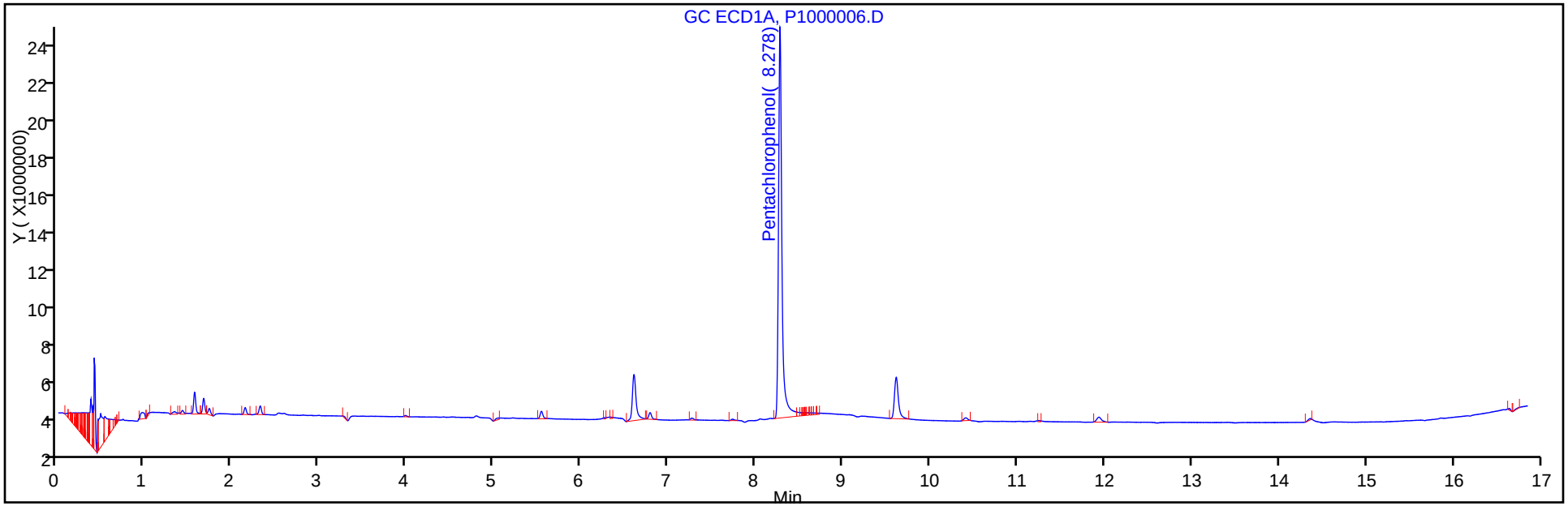
Report Date: 26-Dec-2012 12:33:14 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

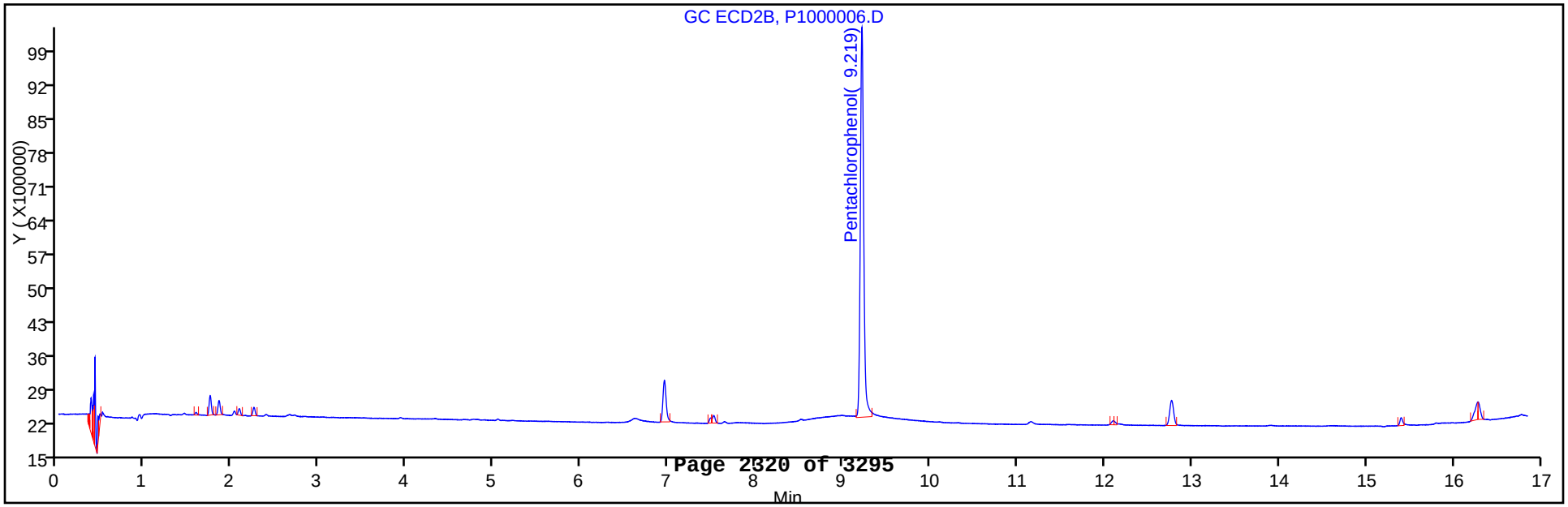
Data File: \\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000006.D

Injection Date:	24-Dec-2012 16:52:56	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70037	Lims Sample ID:	6
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-70037/18 Calibration Date: 12/24/2012 21:35

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000018.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	457412034	460431050		0.0403	0.0400	0.7	20.0
Dicamba	Ave	617859973	665835825		0.0431	0.0400	7.8	20.0
MCPP	Qua		759162		9.38	8.00	17.3	20.0
MCPA	Qua		981180		9.28	8.00	15.9	20.0
Dichlorprop	Ave	138436820	146580575		0.0847	0.0800	5.9	20.0
2,4-D	Ave	150538188	153098550		0.0814	0.0800	1.7	20.0
Silvex (2,4,5-TP)	Ave	763444311	764107650		0.0200	0.0200	0.0	20.0
2,4,5-T	Ave	613790425	575400900		0.0187	0.0200	-6.3	20.0
2,4-DB	Ave	63842790	60923688		0.0763	0.0800	-4.6	20.0
Dinoseb	Ave	505863757	485619667		0.0115	0.0120	-4.0	20.0
2,4-Dichlorophenylacetic acid	Ave	149068897	159474125		0.0856	0.0800	7.0	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-70037/18 Calibration Date: 12/24/2012 21:35

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000018.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.24	1.22	1.26
Dicamba	7.14	7.12	7.16
MCPP	7.42	7.40	7.44
MCPA	7.59	7.57	7.61
Dichlorprop	7.96	7.94	7.98
2,4-D	8.19	8.17	8.21
Silvex (2,4,5-TP)	9.07	9.05	9.09
2,4,5-T	9.39	9.37	9.41
2,4-DB	10.01	9.99	10.03
Dinoseb	11.22	11.19	11.25
2,4-Dichlorophenylacetic acid	6.97	6.95	6.99

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000018.D
Lims ID: CCV Client ID:
Inject. Date: 24-Dec-2012 21:35:31 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016161-018
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 18
Lims Batch ID: 70037 Lims Sample ID: 18
Sublist: chrom-8151_1*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP1\20121224-16161.b\8151_1.m
Last Update: 26-Dec-2012 13:51:52 Calib Date: 03-Dec-2012 19:52:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.241	1.241	0.000	18417242	0.0403	
2	1.372	1.372	0.000	6556854	0.0451	
					RPD = 11.40	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.971	6.971	0.000	12757930	0.0856	
2	7.607	7.607	0.000	5319912	0.0857	
					RPD = 0.13	
6 Dicamba						
1	7.136	7.136	0.000	26633433	0.0431	
2	7.774	7.774	0.000	10935721	0.0428	
					RPD = 0.79	
10 MCPP						
1	7.421	7.421	0.000	6073293	9.38	
2	7.959	7.959	0.000	2323605	8.52	
					RPD = 9.59	
9 MCPA						
1	7.585	7.585	0.000	7849438	9.28	
2	8.210	8.210	0.000	3127929	9.05	
					RPD = 2.51	
7 Dichlorprop						
1	7.955	7.955	0.000	11726446	0.0847	
2	8.570	8.570	0.000	4379668	0.0831	
					RPD = 1.94	
2 2,4-D						
1	8.194	8.194	0.000	12247884	0.0814	
2	8.925	8.925	0.000	4900006	0.0790	
					RPD = 2.91	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						
1	9.069	9.069	0.000	15282153	0.0200	
2	9.860	9.860	0.000	5628135	0.0198	
					RPD = 0.97	
1 2,4,5-T						
1	9.385	9.385	0.000	11508018	0.0187	
2	10.337	10.337	0.000	4676006	0.0193	
					RPD = 2.76	
3 2,4-DB						
1	10.013	10.013	0.000	4873895	0.0763	
2	10.987	10.987	0.000	1999346	0.0753	
					RPD = 1.41	
8 Dinoseb						
1	11.220	11.220	0.000	5827436	0.0115	
2	11.364	11.364	0.000	2263304	0.0117	
					RPD = 1.59	

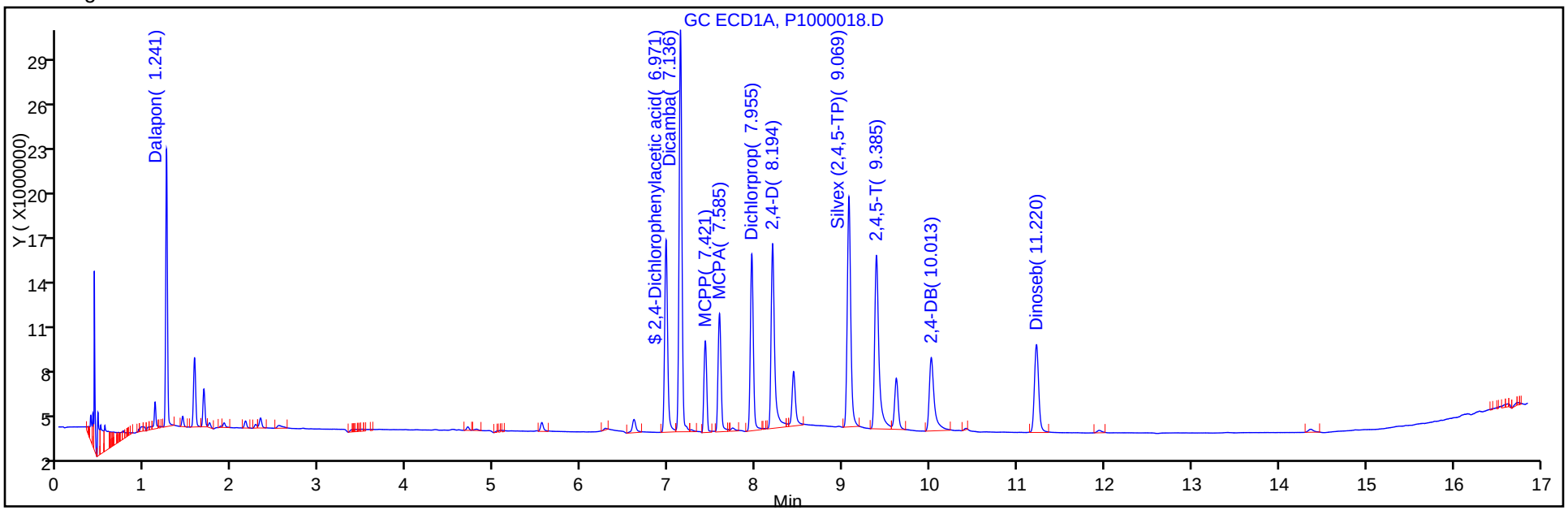
Report Date: 26-Dec-2012 13:51:53 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

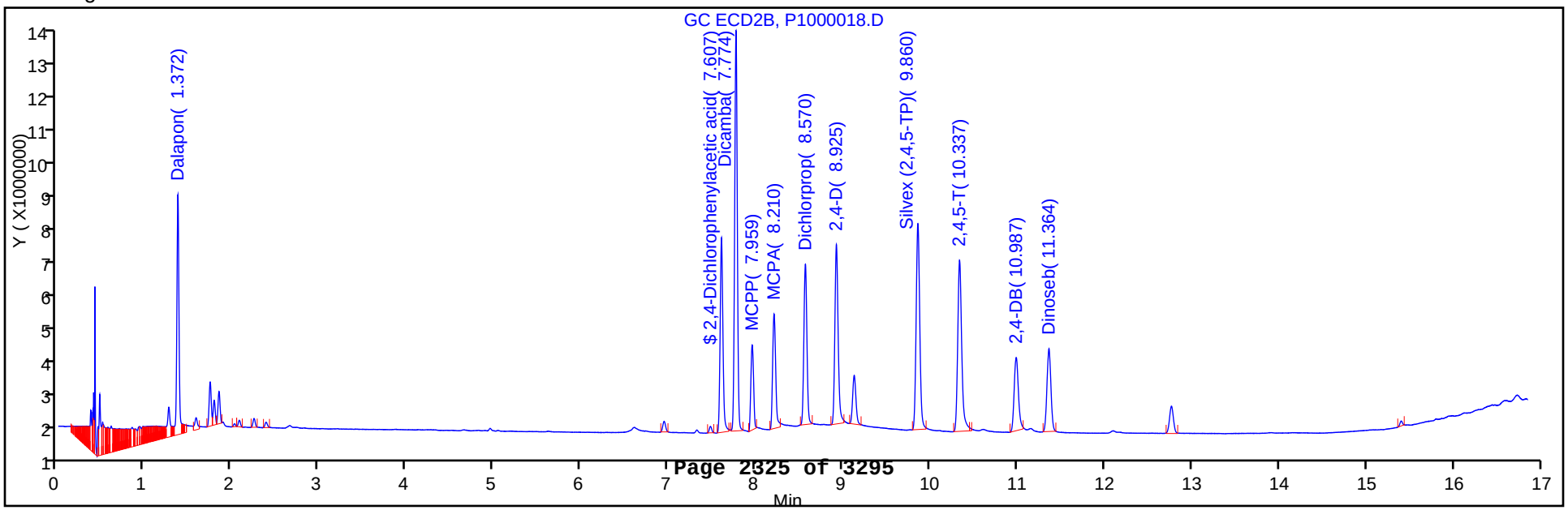
Data File: \\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000018.D

Injection Date:	24-Dec-2012 21:35:31	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70037	Lims Sample ID:	18
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-70037/18 Calibration Date: 12/24/2012 21:35

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000018.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	145285641	163921350		0.0451	0.0400	12.8	20.0
Dicamba	Ave	255708069	273393025		0.0428	0.0400	6.9	20.0
MCPP	Qua		290451		8.52	8.00	6.6	20.0
MCPA	Lin1		390991		9.05	8.00	13.1	20.0
Dichlorprop	Ave	52718146	54745850		0.0831	0.0800	3.8	20.0
2,4-D	Ave	62005138	61250075		0.0790	0.0800	-1.2	20.0
Silvex (2,4,5-TP)	Ave	283903898	281406750		0.0198	0.0200	-0.9	20.0
2,4,5-T	Ave	242611790	233800300		0.0193	0.0200	-3.6	20.0
2,4-DB	Ave	26562352	24991825		0.0753	0.0800	-5.9	20.0
Dinoseb	Ave	193371382	188608667		0.0117	0.0120	-2.5	20.0
2,4-Dichlorophenylacetic acid	Ave	62078149	66498900		0.0857	0.0800	7.1	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-70037/18 Calibration Date: 12/24/2012 21:35

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000018.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.37	1.35	1.39
Dicamba	7.77	7.75	7.79
MCPP	7.96	7.94	7.98
MCPA	8.21	8.19	8.23
Dichlorprop	8.57	8.55	8.59
2,4-D	8.93	8.91	8.95
Silvex (2,4,5-TP)	9.86	9.84	9.88
2,4,5-T	10.34	10.32	10.36
2,4-DB	10.99	10.97	11.01
Dinoseb	11.36	11.33	11.39
2,4-Dichlorophenylacetic acid	7.61	7.59	7.63

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000018.D
Lims ID: CCV Client ID:
Inject. Date: 24-Dec-2012 21:35:31 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016161-018
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 18
Lims Batch ID: 70037 Lims Sample ID: 18
Sublist: chrom-8151_1*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP1\20121224-16161.b\8151_1.m
Last Update: 26-Dec-2012 13:51:52 Calib Date: 03-Dec-2012 19:52:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.241	1.241	0.000	18417242	0.0403	
2	1.372	1.372	0.000	6556854	0.0451	
					RPD = 11.40	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.971	6.971	0.000	12757930	0.0856	
2	7.607	7.607	0.000	5319912	0.0857	
					RPD = 0.13	
6 Dicamba						
1	7.136	7.136	0.000	26633433	0.0431	
2	7.774	7.774	0.000	10935721	0.0428	
					RPD = 0.79	
10 MCPP						
1	7.421	7.421	0.000	6073293	9.38	
2	7.959	7.959	0.000	2323605	8.52	
					RPD = 9.59	
9 MCPA						
1	7.585	7.585	0.000	7849438	9.28	
2	8.210	8.210	0.000	3127929	9.05	
					RPD = 2.51	
7 Dichlorprop						
1	7.955	7.955	0.000	11726446	0.0847	
2	8.570	8.570	0.000	4379668	0.0831	
					RPD = 1.94	
2 2,4-D						
1	8.194	8.194	0.000	12247884	0.0814	
2	8.925	8.925	0.000	4900006	0.0790	
					RPD = 2.91	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						
1	9.069	9.069	0.000	15282153	0.0200	
2	9.860	9.860	0.000	5628135	0.0198	
					RPD = 0.97	
1 2,4,5-T						
1	9.385	9.385	0.000	11508018	0.0187	
2	10.337	10.337	0.000	4676006	0.0193	
					RPD = 2.76	
3 2,4-DB						
1	10.013	10.013	0.000	4873895	0.0763	
2	10.987	10.987	0.000	1999346	0.0753	
					RPD = 1.41	
8 Dinoseb						
1	11.220	11.220	0.000	5827436	0.0115	
2	11.364	11.364	0.000	2263304	0.0117	
					RPD = 1.59	

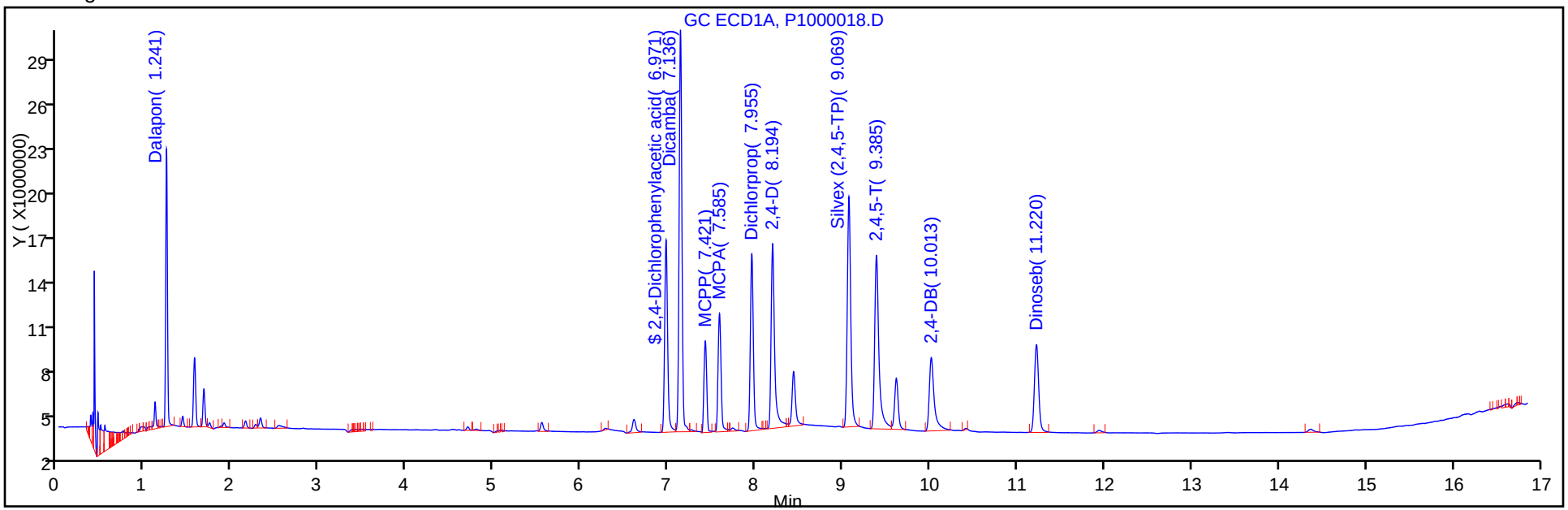
Report Date: 26-Dec-2012 13:51:53 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

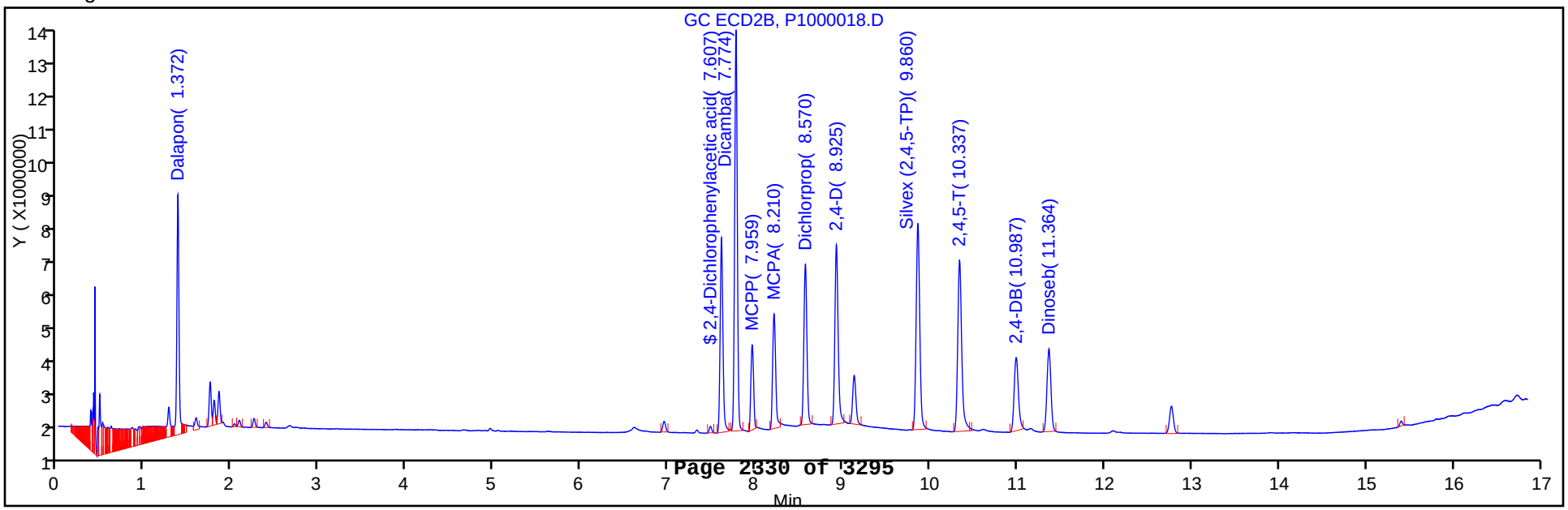
Data File: \\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000018.D

Injection Date:	24-Dec-2012 21:35:31	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70037	Lims Sample ID:	18
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-70037/19 Calibration Date: 12/24/2012 21:59

Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 09/18/2012 15:16

Lab File ID: P1000019.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachlorophenol	Lin1		2016467400		0.0110	0.0100	10.3	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-70037/19 Calibration Date: 12/24/2012 21:59

Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 09/18/2012 15:16

Lab File ID: P1000019.D

Analyte	RT	RT WINDOW	
		FROM	TO
Pentachlorophenol	8.28	8.26	8.30

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000019.D		
Lims ID:	CCV PCP	Client ID:	
Inject. Date:	24-Dec-2012 21:59:04	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0016161-019		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	19
Lims Batch ID:	70037	Lims Sample ID:	19
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121224-16161.b\8151_1.m		
Last Update:	26-Dec-2012 12:33:27	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.283	8.283	0.000	20164674	0.0110	
2	9.218	9.218	0.000	7894530	0.0103	
					RPD = 7.18	

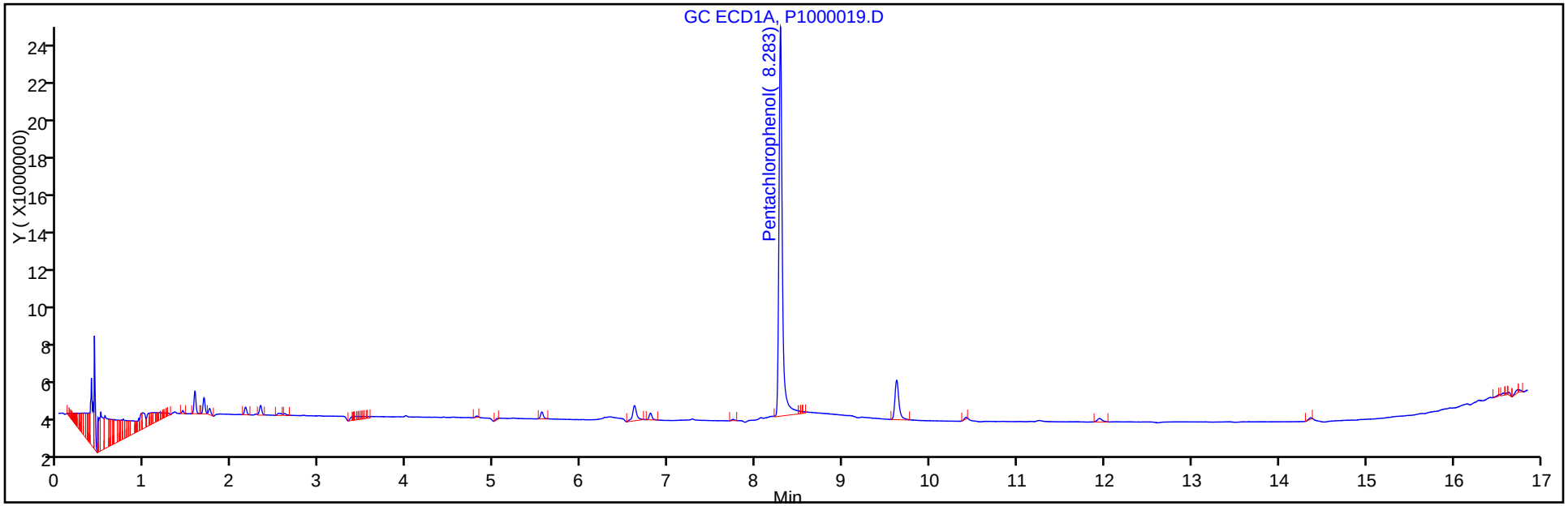
Report Date: 26-Dec-2012 12:33:28 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

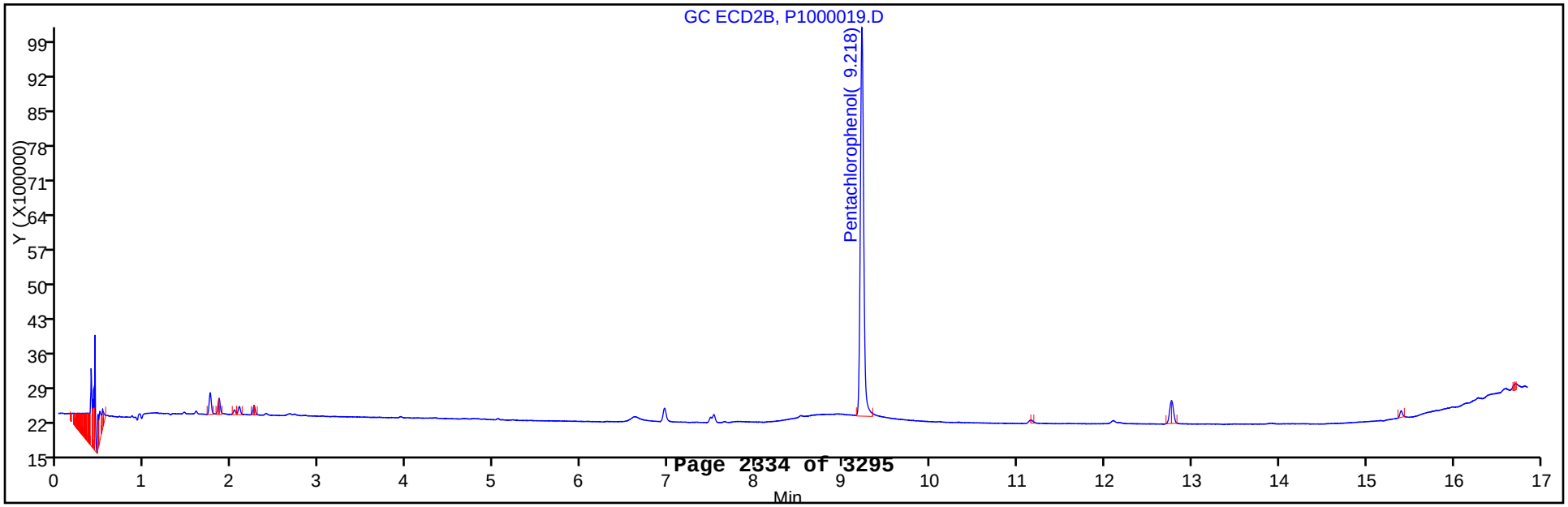
Data File: \\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000019.D

Injection Date:	24-Dec-2012 21:59:04	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70037	Lims Sample ID:	19
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-70037/19 Calibration Date: 12/24/2012 21:59

Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 09/18/2012 15:16

Lab File ID: P1000019.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachlorophenol	Lin1		789453000		0.0103	0.0100	2.6	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-70037/19 Calibration Date: 12/24/2012 21:59

Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 09/18/2012 15:16

Lab File ID: P1000019.D

Analyte	RT	RT WINDOW	
		FROM	TO
Pentachlorophenol	9.22	9.20	9.24

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000019.D		
Lims ID:	CCV PCP	Client ID:	
Inject. Date:	24-Dec-2012 21:59:04	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0016161-019		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	19
Lims Batch ID:	70037	Lims Sample ID:	19
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121224-16161.b\8151_1.m		
Last Update:	26-Dec-2012 12:33:27	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.283	8.283	0.000	20164674	0.0110	
2	9.218	9.218	0.000	7894530	0.0103	
					RPD = 7.18	

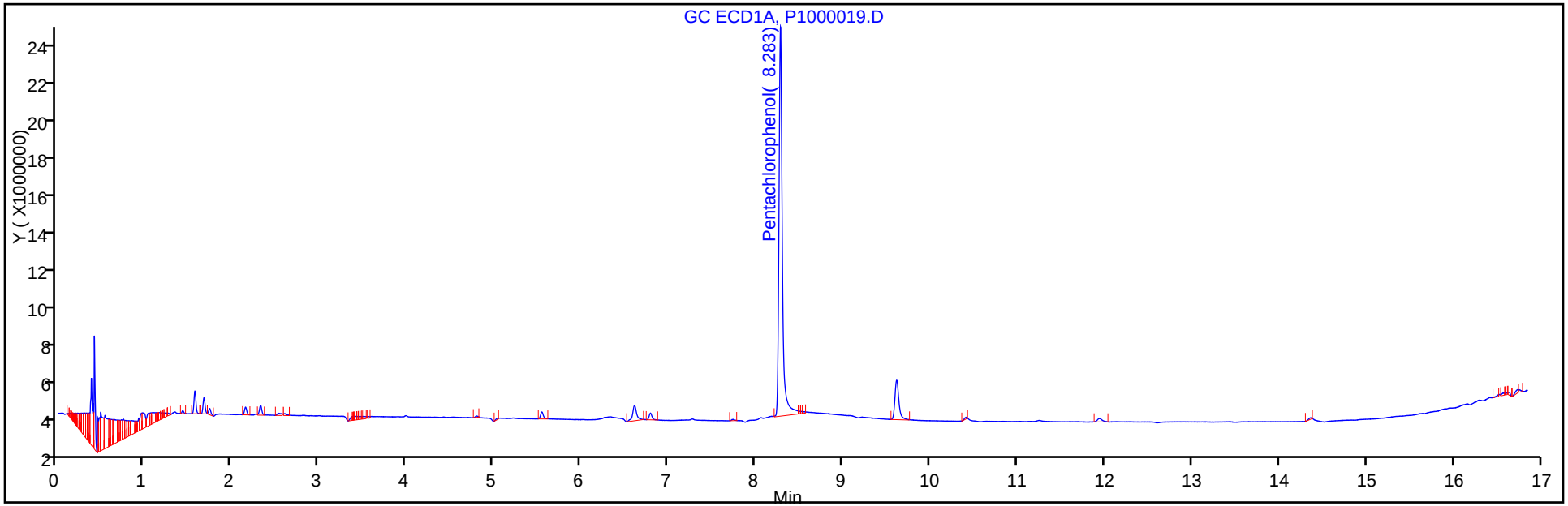
Report Date: 26-Dec-2012 12:33:28 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

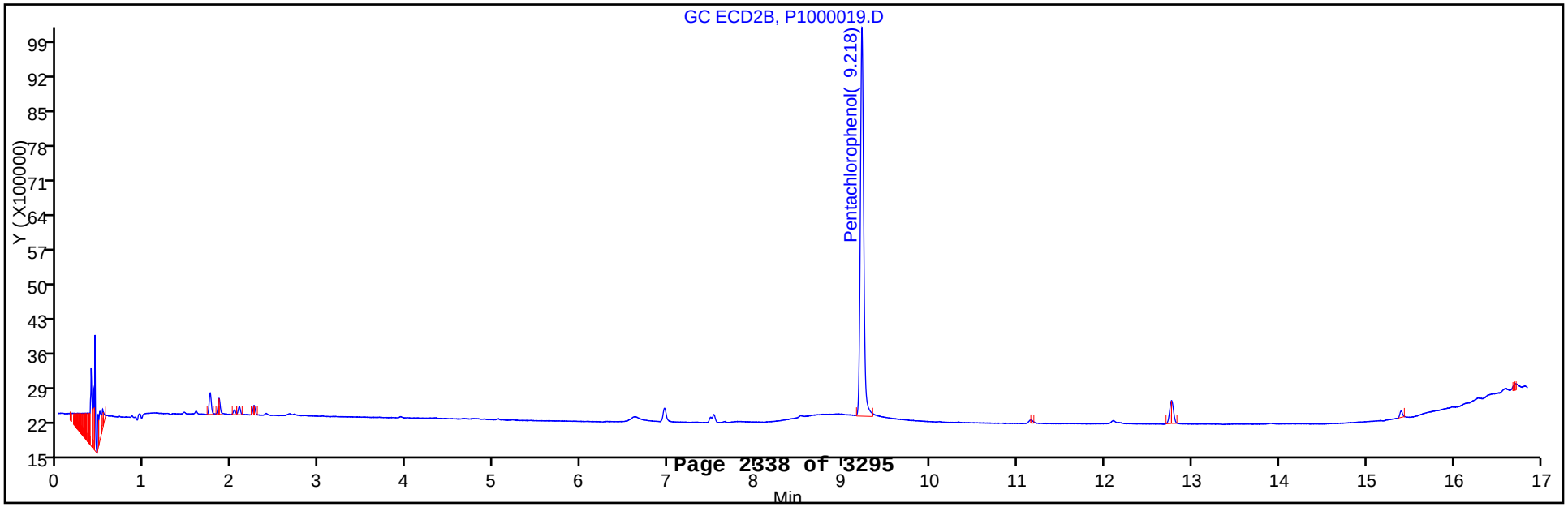
Data File: \\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000019.D

Injection Date:	24-Dec-2012 21:59:04	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70037	Lims Sample ID:	19
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-70037/30 Calibration Date: 12/25/2012 02:17

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000030.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	457412034	460934100		0.0403	0.0400	0.8	20.0
Dicamba	Ave	617859973	690941200		0.0447	0.0400	11.8	20.0
MCPP	Qua		790424		9.89	8.00	23.6*	20.0
MCPA	Qua		1006404		9.61	8.00	20.1*	20.0
Dichlorprop	Ave	138436820	152837313		0.0883	0.0800	10.4	20.0
2,4-D	Ave	150538188	160594938		0.0853	0.0800	6.7	20.0
Silvex (2,4,5-TP)	Ave	763444311	791080800		0.0207	0.0200	3.6	20.0
2,4,5-T	Ave	613790425	601554400		0.0196	0.0200	-2.0	20.0
2,4-DB	Ave	63842790	64853325		0.0813	0.0800	1.6	20.0
Dinoseb	Ave	505863757	505237417		0.0120	0.0120	-0.1	20.0
2,4-Dichlorophenylacetic acid	Ave	149068897	164622150		0.0883	0.0800	10.4	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-70037/30 Calibration Date: 12/25/2012 02:17

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000030.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.25	1.23	1.27
Dicamba	7.14	7.12	7.16
MCPP	7.43	7.41	7.45
MCPA	7.59	7.57	7.61
Dichlorprop	7.96	7.94	7.98
2,4-D	8.20	8.18	8.22
Silvex (2,4,5-TP)	9.07	9.05	9.09
2,4,5-T	9.39	9.37	9.41
2,4-DB	10.02	10.00	10.04
Dinoseb	11.23	11.20	11.26
2,4-Dichlorophenylacetic acid	6.98	6.96	7.00

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000030.D
Lims ID: CCV Client ID:
Inject. Date: 25-Dec-2012 02:17:15 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016161-030
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 30
Lims Batch ID: 70037 Lims Sample ID: 30
Sublist: chrom-8151_1*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP1\20121224-16161.b\8151_1.m
Last Update: 26-Dec-2012 13:51:54 Calib Date: 03-Dec-2012 19:52:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.245	1.245	0.000	18437364	0.0403	
2	1.371	1.371	0.000	7007757	0.0482	
					RPD = 17.90	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.975	6.975	0.000	13169772	0.0883	
2	7.607	7.607	0.000	5490131	0.0884	
					RPD = 0.10	
6 Dicamba						
1	7.141	7.141	0.000	27637648	0.0447	
2	7.773	7.773	0.000	11382265	0.0445	
					RPD = 0.49	
10 MCPP						
1	7.425	7.425	0.000	6323389	9.89	
2	7.960	7.960	0.000	2463176	9.17	
					RPD = 7.46	
9 MCPA						
1	7.588	7.588	0.000	8051231	9.61	
2	8.210	8.210	0.000	3290668	9.67	
					RPD = 0.67	
7 Dichlorprop						
1	7.959	7.959	0.000	12226985	0.0883	
2	8.569	8.569	0.000	4616208	0.0876	
					RPD = 0.86	
2 2,4-D						
1	8.197	8.197	0.000	12847595	0.0853	
2	8.925	8.925	0.000	5135718	0.0828	
					RPD = 2.99	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						
1	9.074	9.074	0.000	15821616	0.0207	
2	9.860	9.860	0.000	5907208	0.0208	
					RPD = 0.40	
1 2,4,5-T						
1	9.390	9.390	0.000	12031088	0.0196	
2	10.338	10.338	0.000	4945259	0.0204	
					RPD = 3.91	
3 2,4-DB						
1	10.019	10.019	0.000	5188266	0.0813	
2	10.985	10.985	0.000	2156851	0.0812	
					RPD = 0.08	
8 Dinoseb						
1	11.226	11.226	0.000	6062849	0.0120	
2	11.362	11.362	0.000	2361809	0.0122	
					RPD = 1.89	

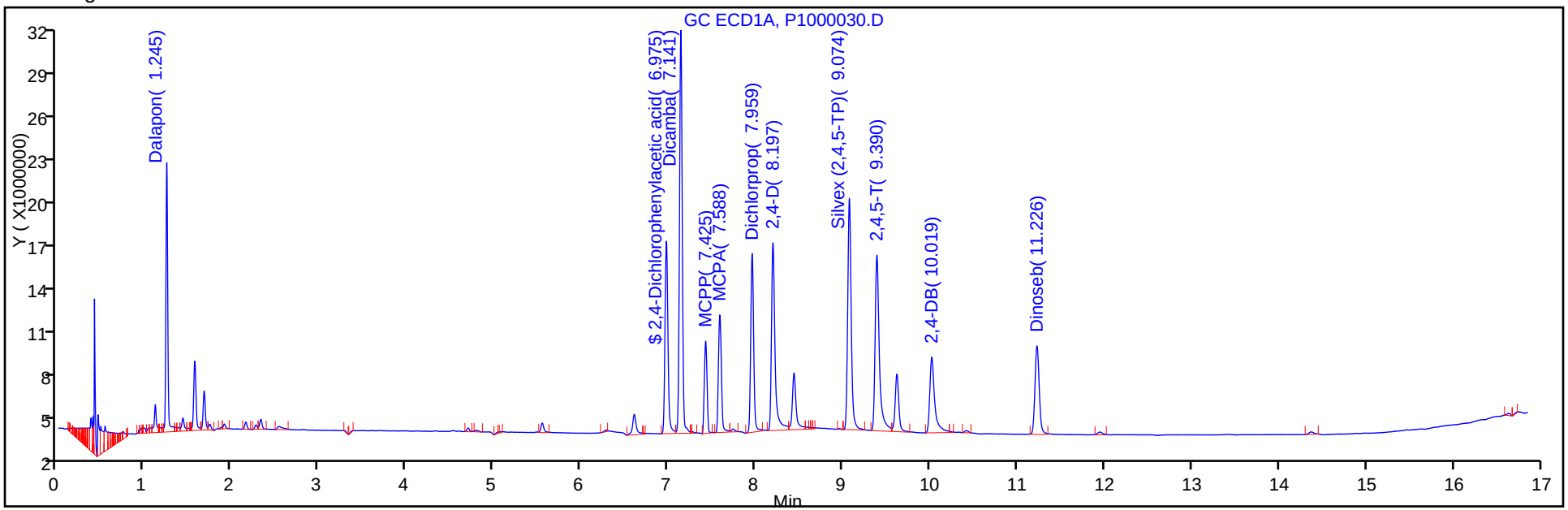
Report Date: 26-Dec-2012 13:51:54 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

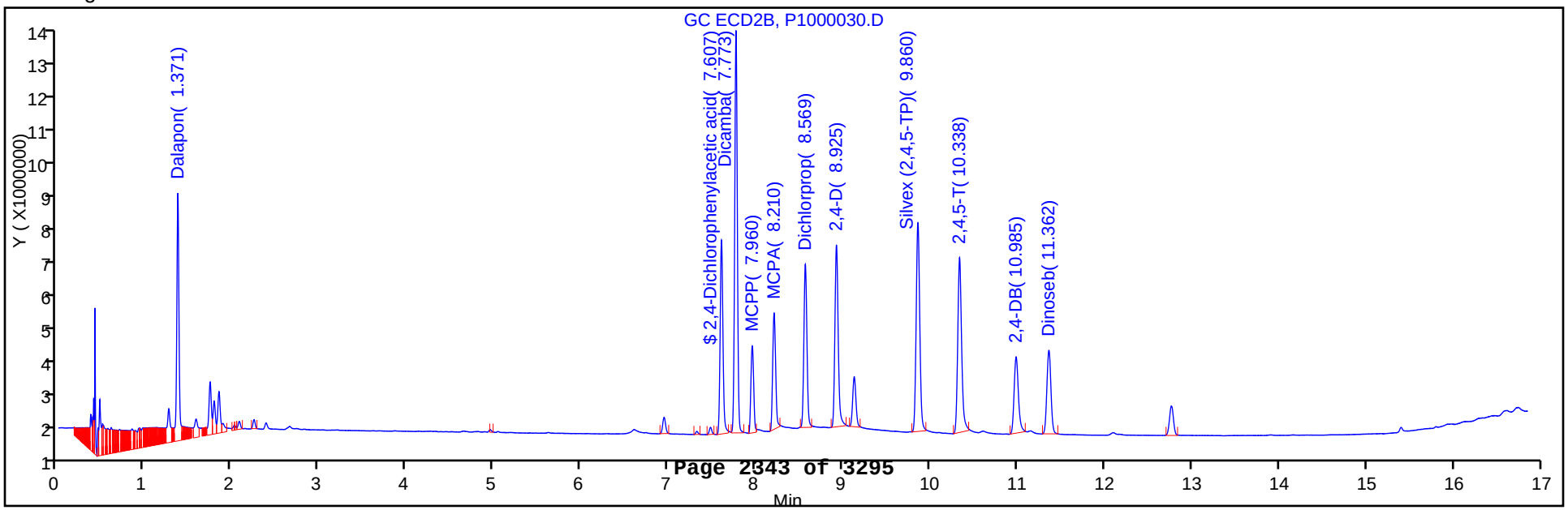
Data File: \\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000030.D

Injection Date:	25-Dec-2012 02:17:15	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70037	Lims Sample ID:	30
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-70037/30 Calibration Date: 12/25/2012 02:17

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000030.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	145285641	175193925		0.0482	0.0400	20.6*	20.0
Dicamba	Ave	255708069	284556625		0.0445	0.0400	11.3	20.0
MCPP	Qua		307897		9.17	8.00	14.7	20.0
MCPA	Lin1		411334		9.67	8.00	20.9*	20.0
Dichlorprop	Ave	52718146	57702600		0.0876	0.0800	9.5	20.0
2,4-D	Ave	62005138	64196475		0.0828	0.0800	3.5	20.0
Silvex (2,4,5-TP)	Ave	283903898	295360400		0.0208	0.0200	4.0	20.0
2,4,5-T	Ave	242611790	247262950		0.0204	0.0200	1.9	20.0
2,4-DB	Ave	26562352	26960638		0.0812	0.0800	1.5	20.0
Dinoseb	Ave	193371382	196817417		0.0122	0.0120	1.8	20.0
2,4-Dichlorophenylacetic acid	Ave	62078149	68626638		0.0884	0.0800	10.5	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-70037/30 Calibration Date: 12/25/2012 02:17

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000030.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.37	1.35	1.39
Dicamba	7.77	7.75	7.79
MCPP	7.96	7.94	7.98
MCPA	8.21	8.19	8.23
Dichlorprop	8.57	8.55	8.59
2,4-D	8.93	8.91	8.95
Silvex (2,4,5-TP)	9.86	9.84	9.88
2,4,5-T	10.34	10.32	10.36
2,4-DB	10.99	10.97	11.01
Dinoseb	11.36	11.33	11.39
2,4-Dichlorophenylacetic acid	7.61	7.59	7.63

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000030.D
Lims ID: CCV Client ID:
Inject. Date: 25-Dec-2012 02:17:15 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016161-030
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 30
Lims Batch ID: 70037 Lims Sample ID: 30
Sublist: chrom-8151_1*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP1\20121224-16161.b\8151_1.m
Last Update: 26-Dec-2012 13:51:54 Calib Date: 03-Dec-2012 19:52:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.245	1.245	0.000	18437364	0.0403	
2	1.371	1.371	0.000	7007757	0.0482	
					RPD = 17.90	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.975	6.975	0.000	13169772	0.0883	
2	7.607	7.607	0.000	5490131	0.0884	
					RPD = 0.10	
6 Dicamba						
1	7.141	7.141	0.000	27637648	0.0447	
2	7.773	7.773	0.000	11382265	0.0445	
					RPD = 0.49	
10 MCPP						
1	7.425	7.425	0.000	6323389	9.89	
2	7.960	7.960	0.000	2463176	9.17	
					RPD = 7.46	
9 MCPA						
1	7.588	7.588	0.000	8051231	9.61	
2	8.210	8.210	0.000	3290668	9.67	
					RPD = 0.67	
7 Dichlorprop						
1	7.959	7.959	0.000	12226985	0.0883	
2	8.569	8.569	0.000	4616208	0.0876	
					RPD = 0.86	
2 2,4-D						
1	8.197	8.197	0.000	12847595	0.0853	
2	8.925	8.925	0.000	5135718	0.0828	
					RPD = 2.99	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						
1	9.074	9.074	0.000	15821616	0.0207	
2	9.860	9.860	0.000	5907208	0.0208	
					RPD = 0.40	
1 2,4,5-T						
1	9.390	9.390	0.000	12031088	0.0196	
2	10.338	10.338	0.000	4945259	0.0204	
					RPD = 3.91	
3 2,4-DB						
1	10.019	10.019	0.000	5188266	0.0813	
2	10.985	10.985	0.000	2156851	0.0812	
					RPD = 0.08	
8 Dinoseb						
1	11.226	11.226	0.000	6062849	0.0120	
2	11.362	11.362	0.000	2361809	0.0122	
					RPD = 1.89	

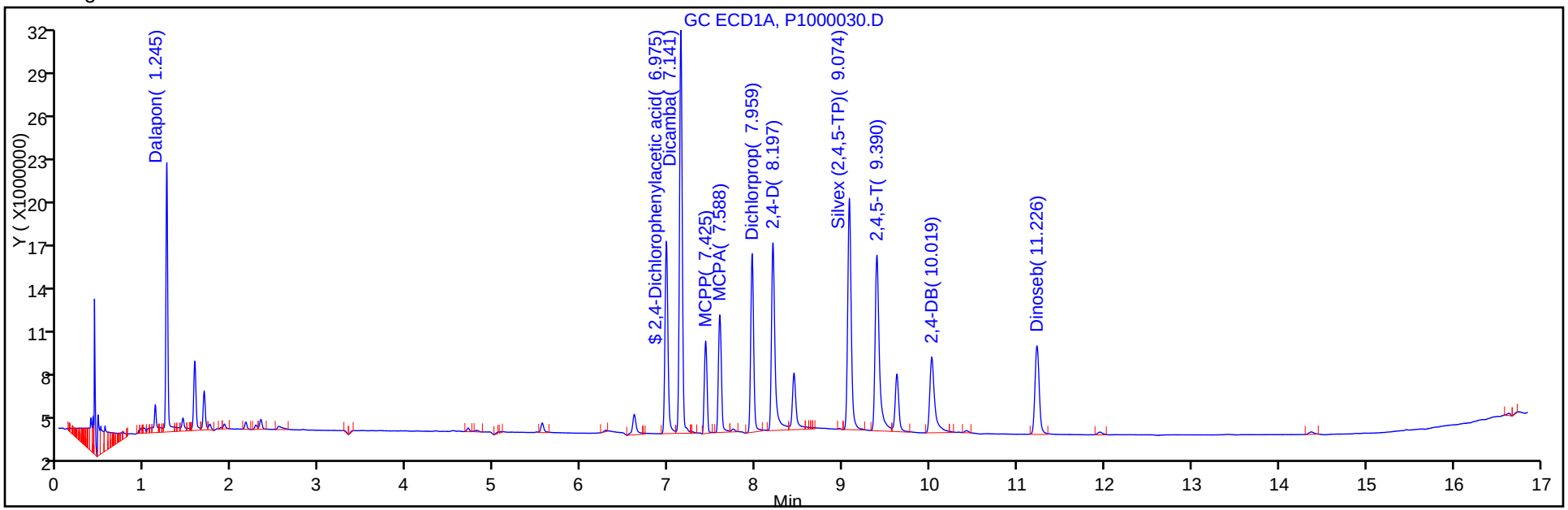
Report Date: 26-Dec-2012 13:51:55 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

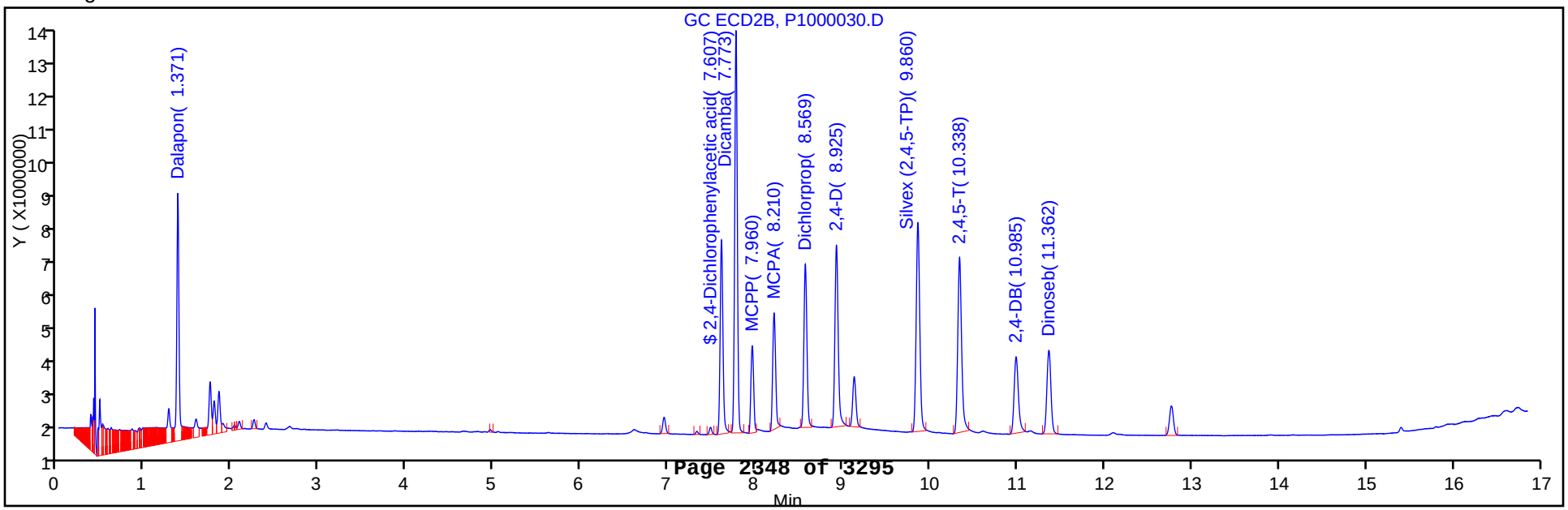
Data File: \\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000030.D

Injection Date:	25-Dec-2012 02:17:15	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70037	Lims Sample ID:	30
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-70037/31 Calibration Date: 12/25/2012 02:40

Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 09/18/2012 15:16

Lab File ID: P1000031.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachlorophenol	Lin1		2099238000		0.0115	0.0100	15.3	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-70037/31 Calibration Date: 12/25/2012 02:40

Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 09/18/2012 15:16

Lab File ID: P1000031.D

Analyte	RT	RT WINDOW	
		FROM	TO
Pentachlorophenol	8.29	8.27	8.31

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000031.D		
Lims ID:	CCV PCP	Client ID:	
Inject. Date:	25-Dec-2012 02:40:48	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0016161-031		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	31
Lims Batch ID:	70037	Lims Sample ID:	31
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121224-16161.b\8151_1.m		
Last Update:	26-Dec-2012 12:33:40	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.287	8.287	0.000	20992380	0.0115	
2	9.217	9.217	0.000	8190521	0.0107	
					RPD = 7.68	

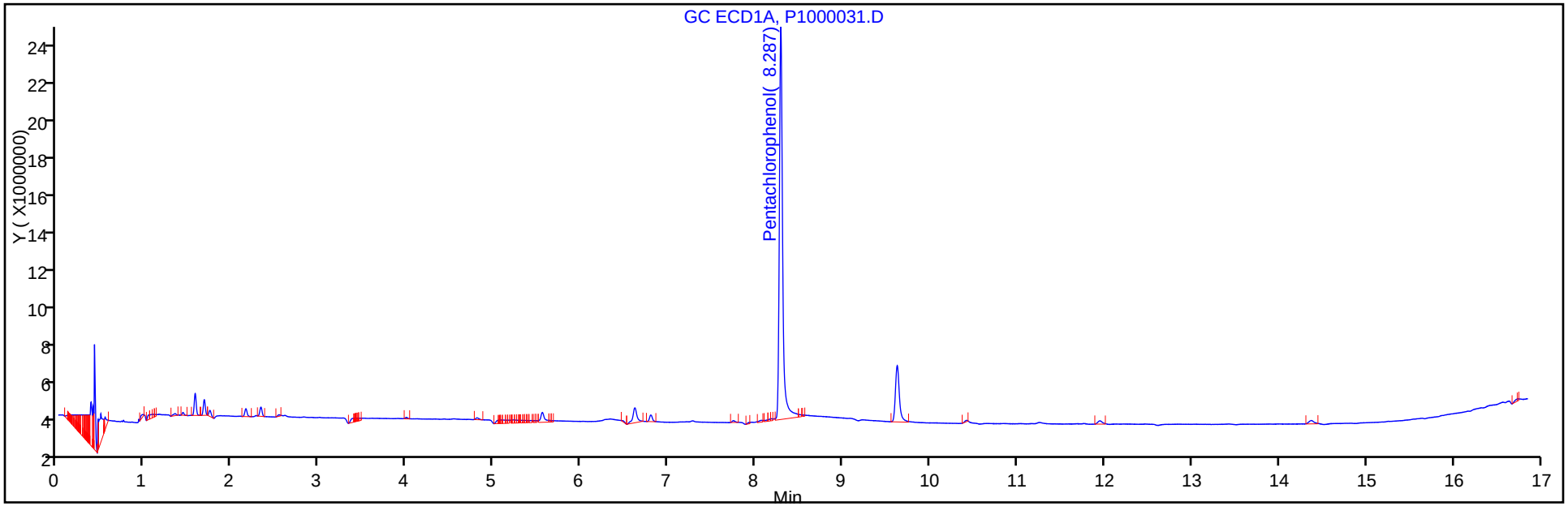
Report Date: 26-Dec-2012 12:33:41 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

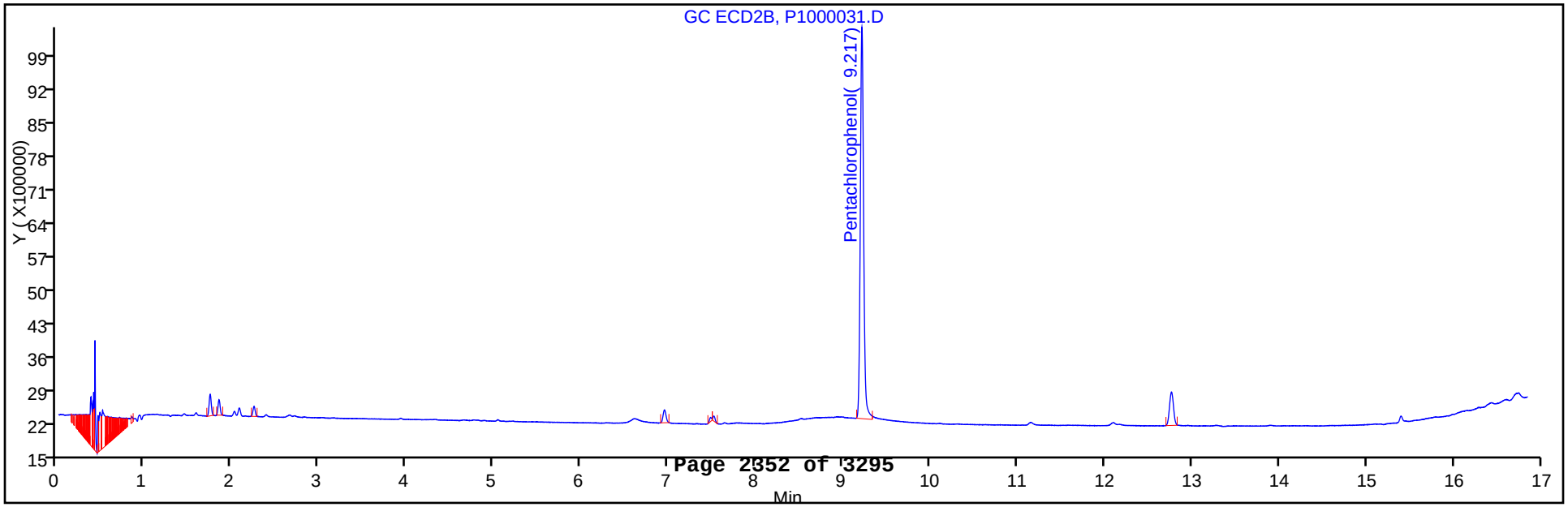
Data File: \\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000031.D

Injection Date:	25-Dec-2012 02:40:48	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70037	Lims Sample ID:	31
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-70037/31 Calibration Date: 12/25/2012 02:40

Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 09/18/2012 15:16

Lab File ID: P1000031.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachlorophenol	Lin1		819052100		0.0107	0.0100	6.8	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-70037/31 Calibration Date: 12/25/2012 02:40

Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 09/18/2012 15:16

Lab File ID: P1000031.D

Analyte	RT	RT WINDOW	
		FROM	TO
Pentachlorophenol	9.22	9.20	9.24

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000031.D		
Lims ID:	CCV PCP	Client ID:	
Inject. Date:	25-Dec-2012 02:40:48	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0016161-031		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	31
Lims Batch ID:	70037	Lims Sample ID:	31
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121224-16161.b\8151_1.m		
Last Update:	26-Dec-2012 12:33:40	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.287	8.287	0.000	20992380	0.0115	
2	9.217	9.217	0.000	8190521	0.0107	
					RPD = 7.68	

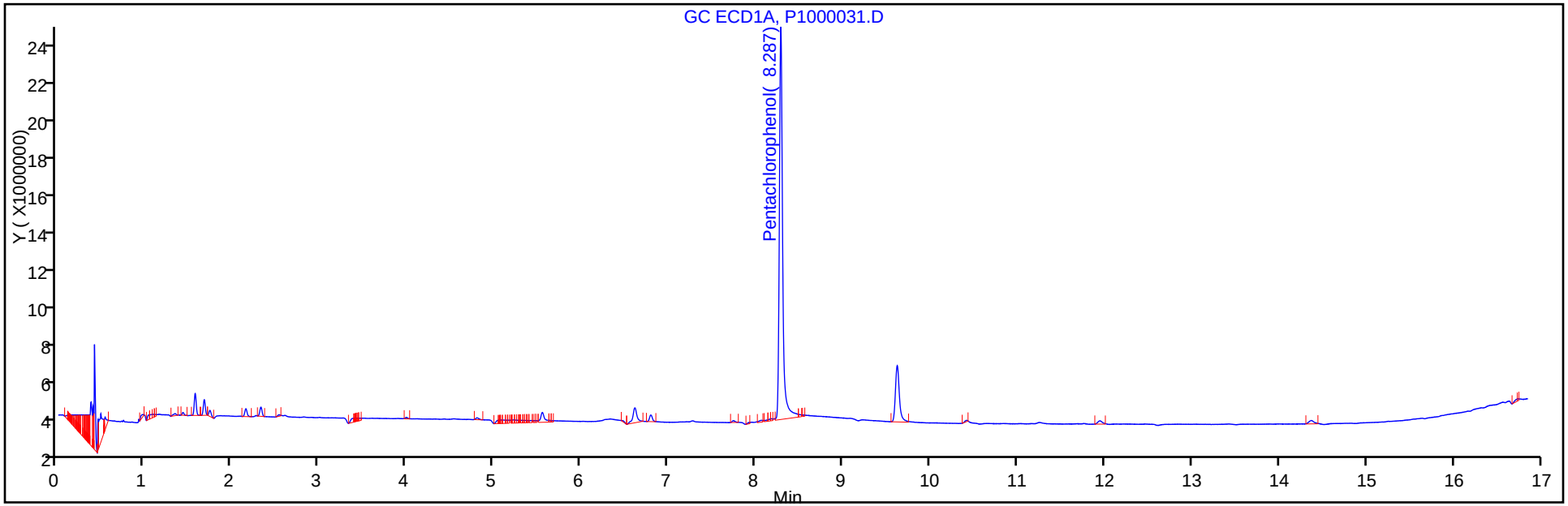
Report Date: 26-Dec-2012 12:33:41 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

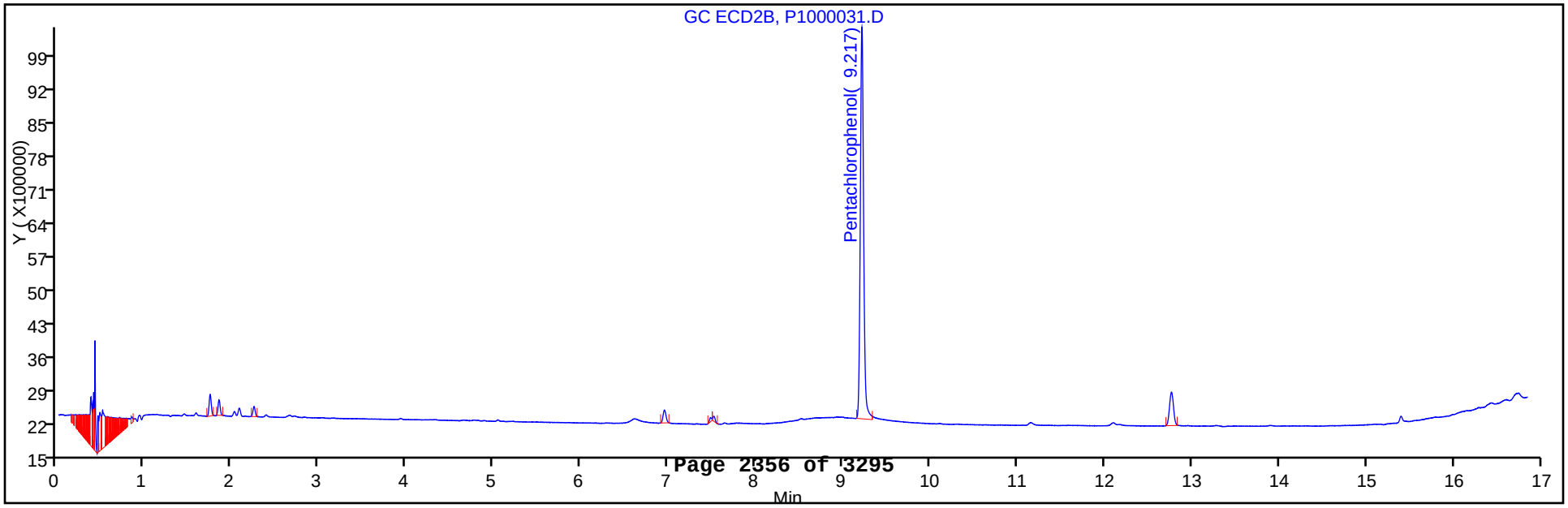
Data File: \\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000031.D

Injection Date:	25-Dec-2012 02:40:48	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70037	Lims Sample ID:	31
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-70766/11 Calibration Date: 12/31/2012 17:14

Instrument ID: A2HP1 Calib Start Date: 12/31/2012 14:53

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/31/2012 16:50

Lab File ID: P1000011.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachlorophenol	Ave	1675476035	1716230010		0.0103	0.0100	2.4	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-70766/11 Calibration Date: 12/31/2012 17:14

Instrument ID: A2HP1 Calib Start Date: 12/31/2012 14:53

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/31/2012 16:50

Lab File ID: P1000011.D

Analyte	RT	RT WINDOW	
		FROM	TO
Pentachlorophenol	8.27	8.25	8.29

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000011.D		
Lims ID:	ICV PCP	Client ID:	
Inject. Date:	31-Dec-2012 17:14:24	Dil. Factor:	1.0000
Sample Type:	ICV		
Sample ID:	240-0016320-011		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	11
Lims Batch ID:	70766	Lims Sample ID:	11
Sublist:			
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\8151_1.m		
Last Update:	02-Jan-2013 09:46:04	Calib Date:	31-Dec-2012 16:50:57
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000010.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		

First Level Reviewer: bolgrind Date: 02-Jan-2013 09:14:50

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.273	8.274	-0.001	17213787	0.0103	
2	9.224	9.224	0.000	7086361	0.0100	
					RPD = 2.64	

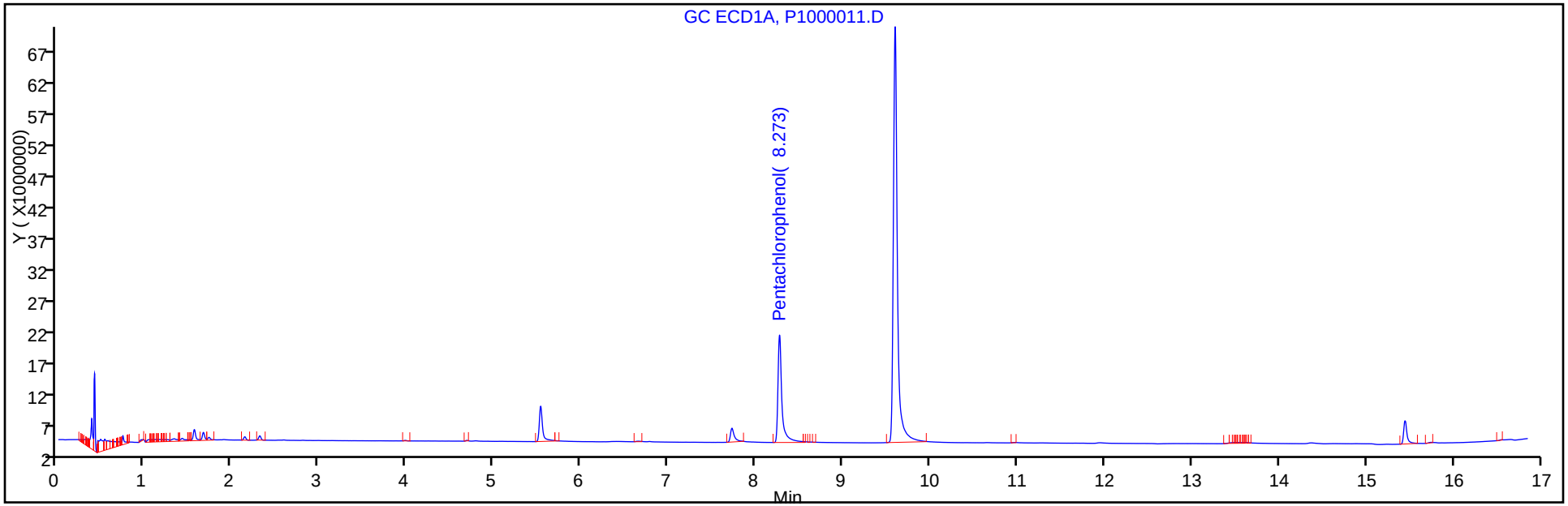
Report Date: 02-Jan-2013 09:46:05 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

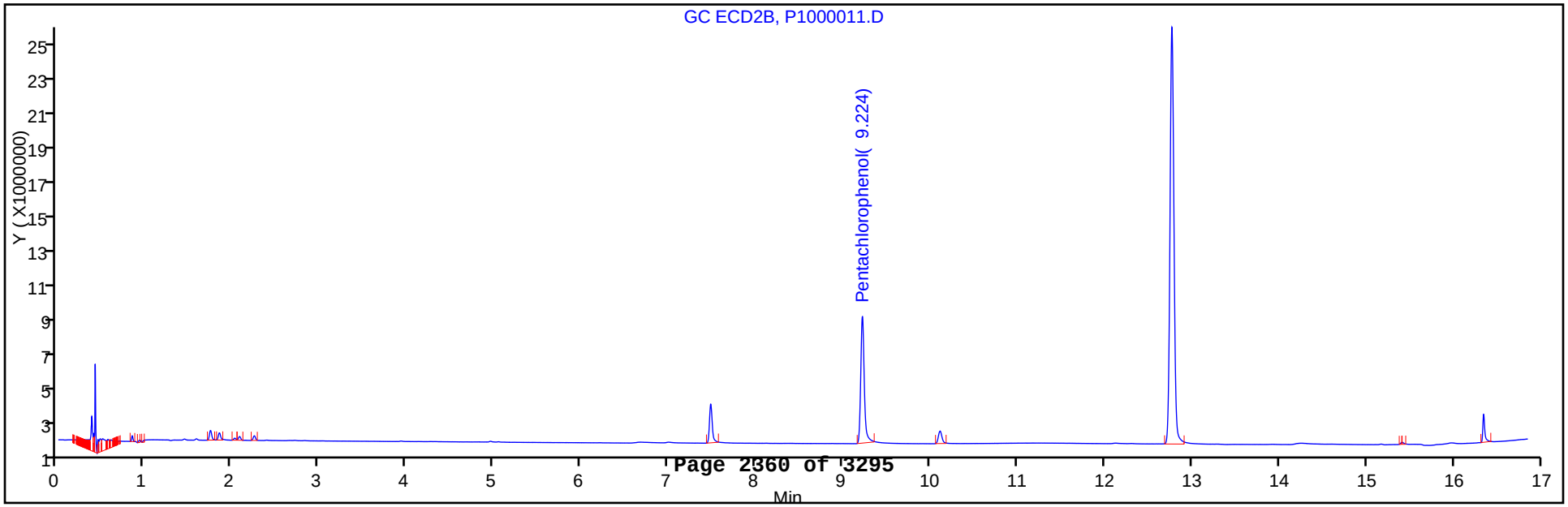
Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000011.D

Injection Date:	31-Dec-2012 17:14:24	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70766	Lims Sample ID:	11
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-70766/11 Calibration Date: 12/31/2012 17:14

Instrument ID: A2HP1 Calib Start Date: 12/31/2012 14:53

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/31/2012 16:50

Lab File ID: P1000011.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachlorophenol	Ave	708195506	706516550		0.0100	0.0100	-0.2	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 240-70766/11 Calibration Date: 12/31/2012 17:14

Instrument ID: A2HP1 Calib Start Date: 12/31/2012 14:53

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/31/2012 16:50

Lab File ID: P1000011.D

Analyte	RT	RT WINDOW	
		FROM	TO
Pentachlorophenol	9.22	9.20	9.24

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000011.D		
Lims ID:	ICV PCP	Client ID:	
Inject. Date:	31-Dec-2012 17:14:24	Dil. Factor:	1.0000
Sample Type:	ICV		
Sample ID:	240-0016320-011		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	11
Lims Batch ID:	70766	Lims Sample ID:	11
Sublist:			
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\8151_1.m		
Last Update:	02-Jan-2013 09:46:04	Calib Date:	31-Dec-2012 16:50:57
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000010.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		

First Level Reviewer: bolgrind Date: 02-Jan-2013 09:14:50

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.273	8.274	-0.001	17213787	0.0103	
2	9.224	9.224	0.000	7086361	0.0100	
					RPD = 2.64	

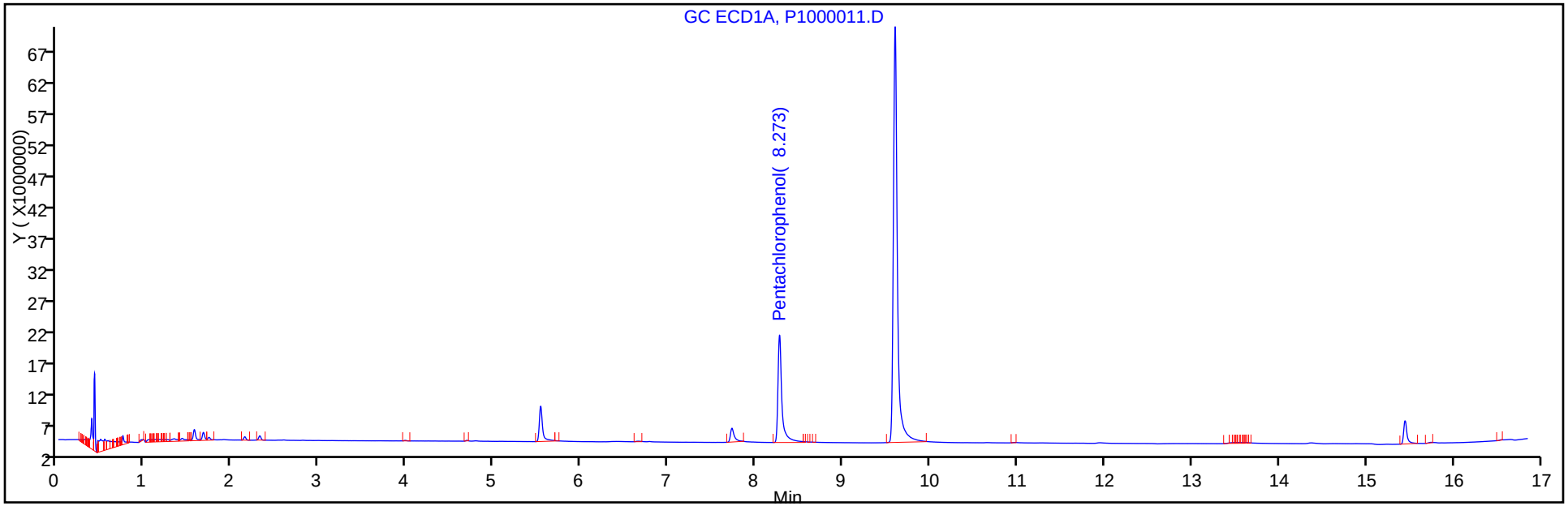
Report Date: 02-Jan-2013 09:46:05 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

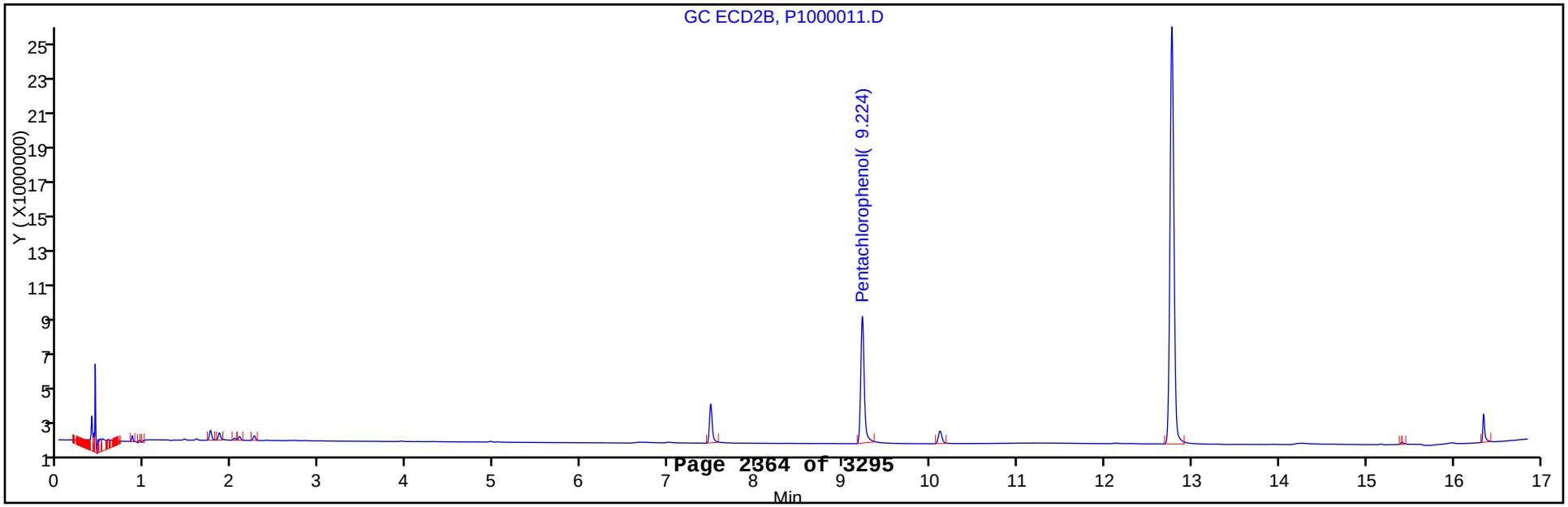
Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000011.D

Injection Date:	31-Dec-2012 17:14:24	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70766	Lims Sample ID:	11
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-70766/12 Calibration Date: 12/31/2012 17:37

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000012.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	457412034	398221950			0.0400	-12.9	20.0
Dicamba	Ave	617859973	598032525			0.0400	-3.2	20.0
MCPP	Qua		721571			8.00	9.8	20.0
MCPA	Qua		916921			8.00	5.5	20.0
Dichlorprop	Ave	138436820	120463825			0.0800	-13.0	20.0
2,4-D	Ave	150538188	104543200		0.0556	0.0800	-30.6*	20.0
Silvex (2,4,5-TP)	Ave	763444311	577662450		0.0151	0.0200	-24.3*	20.0
2,4,5-T	Ave	613790425	379537600		0.0124	0.0200	-38.2*	20.0
2,4-DB	Ave	63842790	38989750			0.0800	-38.9*	20.0
Dinoseb	Ave	505863757	259285750			0.0120	-48.7*	20.0
2,4-Dichlorophenylacetic acid	Ave	149068897	133842825		0.0718	0.0800	-10.2	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-70766/12 Calibration Date: 12/31/2012 17:37

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000012.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.24	1.22	1.26
Dicamba	7.13	7.11	7.15
MCPP	7.41	7.39	7.43
MCPA	7.57	7.55	7.59
Dichlorprop	7.95	7.93	7.97
2,4-D	8.19	8.17	8.21
Silvex (2,4,5-TP)	9.06	9.04	9.08
2,4,5-T	9.38	9.36	9.40
2,4-DB	10.02	10.00	10.04
Dinoseb	11.21	11.18	11.24
2,4-Dichlorophenylacetic acid	6.96	6.94	6.98

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000012.D
Lims ID: CCV Client ID:
Inject. Date: 31-Dec-2012 17:37:53 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 240-0016320-012
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 12
Lims Batch ID: 70766 Lims Sample ID: 12
Sublist: chrom-8151_1*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP1\20121231-16320.b\8151_1.m
Last Update: 02-Jan-2013 09:45:02 Calib Date: 31-Dec-2012 16:50:57
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000010.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK005

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.235	1.235	0.000	15928878	0.0348	
2	1.374	1.374	0.000	4894860	0.0337	
					RPD = 3.31	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.960	6.960	0.000	10707426	0.0718	
2	7.613	7.613	0.000	4258655	0.0686	
					RPD = 4.60	
6 Dicamba						
1	7.125	7.125	0.000	23921301	0.0387	
2	7.779	7.779	0.000	9790806	0.0383	
					RPD = 1.11	
10 MCPP						
1	7.409	7.409	0.000	5772569	8.78	
2	7.964	7.964	0.000	2240219	8.14	
					RPD = 7.61	
9 MCPA						
1	7.574	7.574	0.000	7335365	8.44	
2	8.214	8.214	0.000	2925480	8.27	
					RPD = 2.04	
7 Dichlorprop						
1	7.945	7.945	0.000	9637106	0.0696	
2	8.575	8.575	0.000	3658796	0.0694	
					RPD = 0.30	
2 2,4-D						
1	8.188	8.188	0.000	8363456	0.0556	
2	8.935	8.935	0.000	3659414	0.0590	
					RPD = 6.04	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						
1	9.063	9.063	0.000	11553249	0.0151	
2	9.869	9.869	0.000	4468171	0.0157	
					RPD = 3.92	
1 2,4,5-T						
1	9.383	9.383	0.000	7590752	0.0124	
2	10.351	10.351	0.000	3350975	0.0138	
					RPD = 11.04	
3 2,4-DB						
1	10.018	10.018	0.000	3119180	0.0489	
2	11.003	11.003	0.000	178843	0.006733	
					RPD = 151.55	
8 Dinoseb						
1	11.213	11.213	0.000	3111429	0.006151	
2	11.377	11.377	0.000	1160712	0.006003	
					RPD = 2.44	

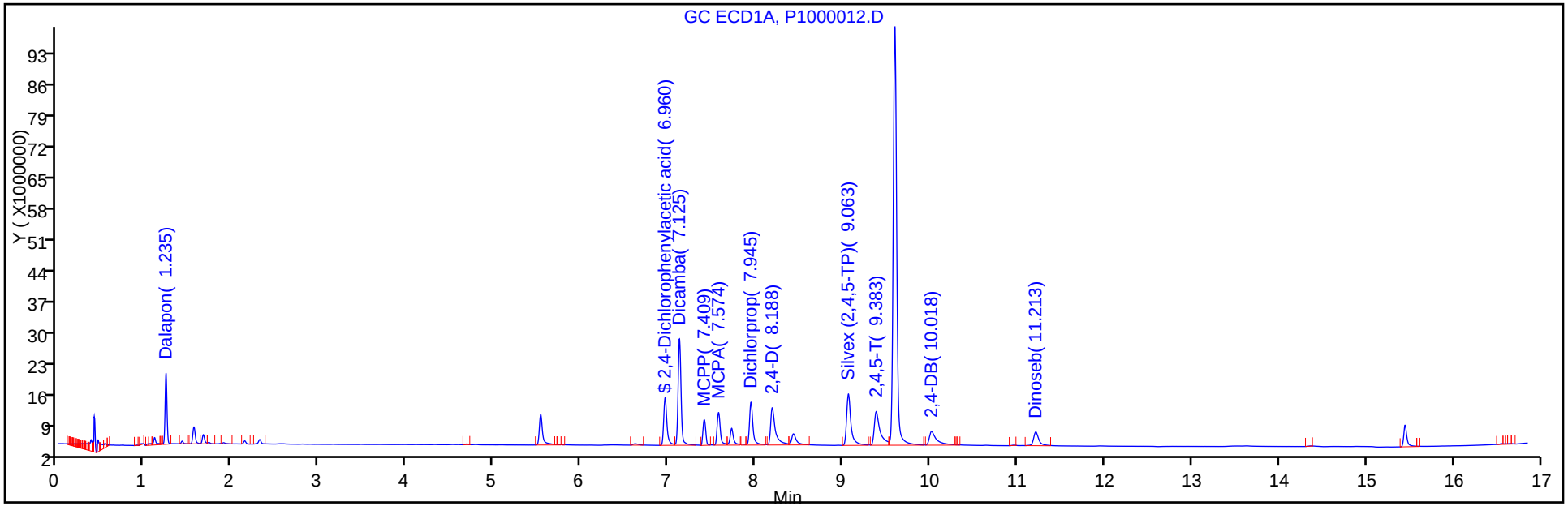
Report Date: 02-Jan-2013 09:45:03 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

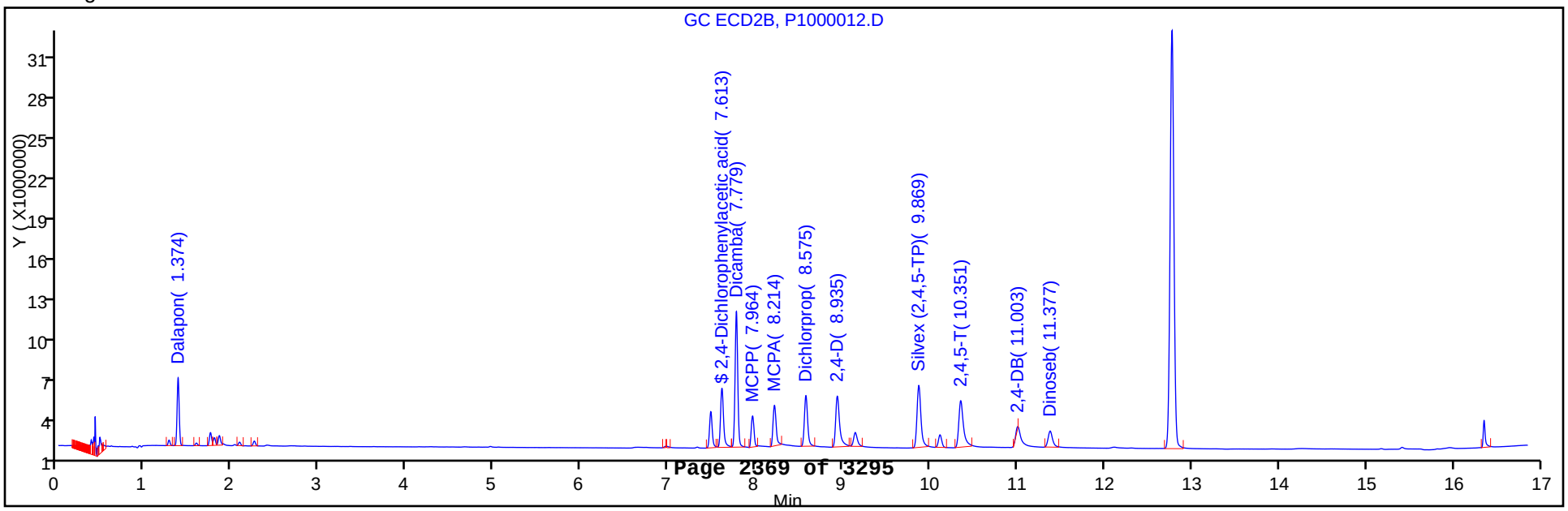
Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000012.D

Injection Date:	31-Dec-2012 17:37:53	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70766	Lims Sample ID:	12
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-70766/12 Calibration Date: 12/31/2012 17:37

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000012.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	145285641	122371500			0.0400	-15.8	20.0
Dicamba	Ave	255708069	244770150			0.0400	-4.3	20.0
MCPP	Qua		280027			8.00	1.7	20.0
MCPA	Lin1		365685			8.00	3.4	20.0
Dichlorprop	Ave	52718146	45734950			0.0800	-13.2	20.0
2,4-D	Ave	62005138	45742675		0.0590	0.0800	-26.2*	20.0
Silvex (2,4,5-TP)	Ave	283903898	223408550		0.0157	0.0200	-21.3*	20.0
2,4,5-T	Ave	242611790	167548750		0.0138	0.0200	-30.9*	20.0
2,4-DB	Ave	26562352	2235538			0.0800	-91.6*	20.0
Dinoseb	Ave	193371382	96726000			0.0120	-50.0*	20.0
2,4-Dichlorophenylacetic acid	Ave	62078149	53233188		0.0686	0.0800	-14.2	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-70766/12 Calibration Date: 12/31/2012 17:37

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000012.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.37	1.35	1.39
Dicamba	7.78	7.76	7.80
MCPP	7.96	7.94	7.98
MCPA	8.21	8.19	8.23
Dichlorprop	8.58	8.56	8.60
2,4-D	8.94	8.92	8.96
Silvex (2,4,5-TP)	9.87	9.85	9.89
2,4,5-T	10.35	10.33	10.37
2,4-DB	11.00	10.98	11.02
Dinoseb	11.38	11.35	11.41
2,4-Dichlorophenylacetic acid	7.61	7.59	7.63

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000012.D
Lims ID: CCV Client ID:
Inject. Date: 31-Dec-2012 17:37:53 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 240-0016320-012
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 12
Lims Batch ID: 70766 Lims Sample ID: 12
Sublist: chrom-8151_1*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP1\20121231-16320.b\8151_1.m
Last Update: 02-Jan-2013 09:45:02 Calib Date: 31-Dec-2012 16:50:57
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000010.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK005

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.235	1.235	0.000	15928878	0.0348	
2	1.374	1.374	0.000	4894860	0.0337	
					RPD = 3.31	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.960	6.960	0.000	10707426	0.0718	
2	7.613	7.613	0.000	4258655	0.0686	
					RPD = 4.60	
6 Dicamba						
1	7.125	7.125	0.000	23921301	0.0387	
2	7.779	7.779	0.000	9790806	0.0383	
					RPD = 1.11	
10 MCPP						
1	7.409	7.409	0.000	5772569	8.78	
2	7.964	7.964	0.000	2240219	8.14	
					RPD = 7.61	
9 MCPA						
1	7.574	7.574	0.000	7335365	8.44	
2	8.214	8.214	0.000	2925480	8.27	
					RPD = 2.04	
7 Dichlorprop						
1	7.945	7.945	0.000	9637106	0.0696	
2	8.575	8.575	0.000	3658796	0.0694	
					RPD = 0.30	
2 2,4-D						
1	8.188	8.188	0.000	8363456	0.0556	
2	8.935	8.935	0.000	3659414	0.0590	
					RPD = 6.04	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						
1	9.063	9.063	0.000	11553249	0.0151	
2	9.869	9.869	0.000	4468171	0.0157	
					RPD = 3.92	
1 2,4,5-T						
1	9.383	9.383	0.000	7590752	0.0124	
2	10.351	10.351	0.000	3350975	0.0138	
					RPD = 11.04	
3 2,4-DB						
1	10.018	10.018	0.000	3119180	0.0489	
2	11.003	11.003	0.000	178843	0.006733	
					RPD = 151.55	
8 Dinoseb						
1	11.213	11.213	0.000	3111429	0.006151	
2	11.377	11.377	0.000	1160712	0.006003	
					RPD = 2.44	

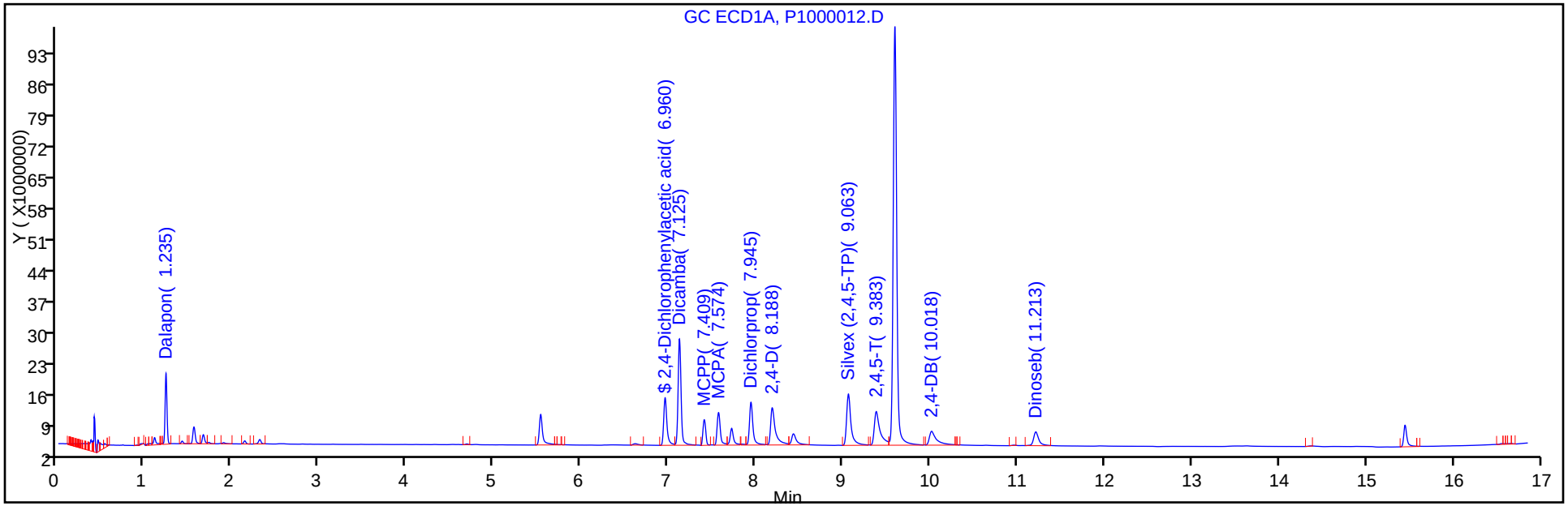
Report Date: 02-Jan-2013 09:45:03 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

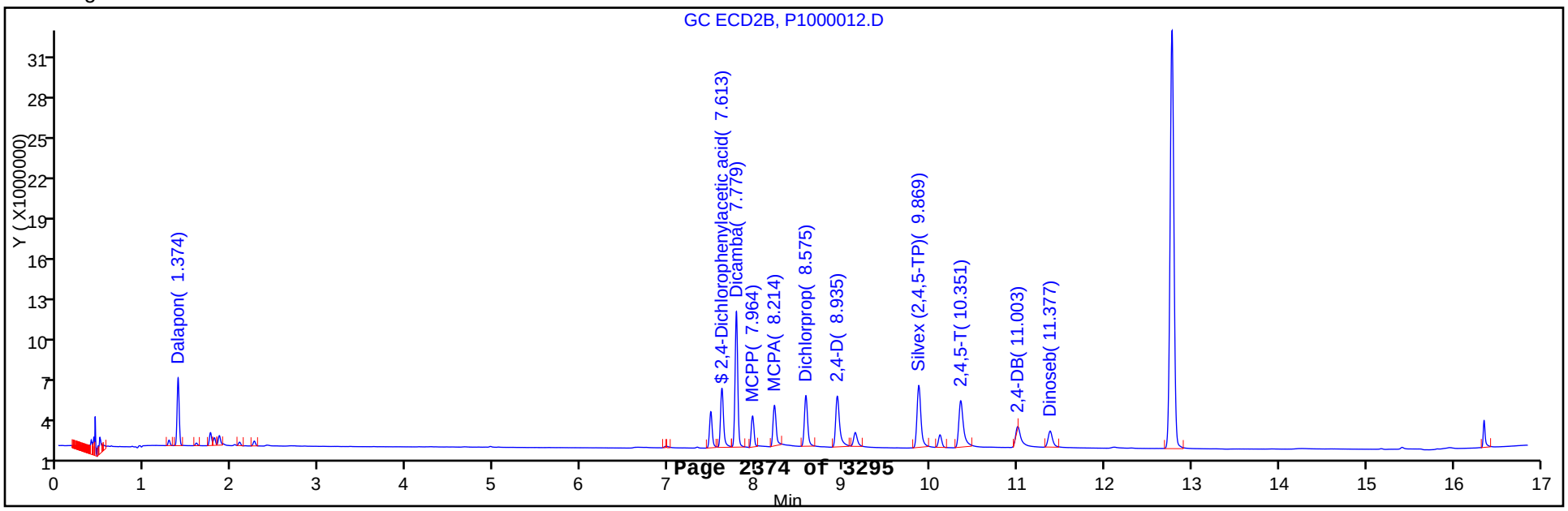
Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000012.D

Injection Date:	31-Dec-2012 17:37:53	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70766	Lims Sample ID:	12
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-70766/21 Calibration Date: 12/31/2012 21:09

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000021.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	457412034	426658200			0.0400	-6.7	20.0
Dicamba	Ave	617859973	669089775			0.0400	8.3	20.0
MCPP	Qua		773325			8.00	20.1*	20.0
MCPA	Qua		987732			8.00	17.0	20.0
Dichlorprop	Ave	138436820	140737738			0.0800	1.7	20.0
2,4-D	Ave	150538188	136707913		0.0727	0.0800	-9.2	20.0
Silvex (2,4,5-TP)	Ave	763444311	716886400		0.0188	0.0200	-6.1	20.0
2,4,5-T	Ave	613790425	511800700		0.0167	0.0200	-16.6	20.0
2,4-DB	Ave	63842790	56320475			0.0800	-11.8	20.0
Dinoseb	Ave	505863757	443494333			0.0120	-12.3	20.0
2,4-Dichlorophenylacetic acid	Ave	149068897	149073850		0.0800	0.0800	0.0	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-70766/21 Calibration Date: 12/31/2012 21:09

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000021.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.24	1.22	1.26
Dicamba	7.13	7.11	7.15
MCPP	7.41	7.39	7.43
MCPA	7.57	7.55	7.59
Dichlorprop	7.95	7.93	7.97
2,4-D	8.19	8.17	8.21
Silvex (2,4,5-TP)	9.06	9.04	9.08
2,4,5-T	9.38	9.36	9.40
2,4-DB	10.01	9.99	10.03
Dinoseb	11.21	11.18	11.24
2,4-Dichlorophenylacetic acid	6.96	6.94	6.98

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000021.D
Lims ID: CCV Client ID:
Inject. Date: 31-Dec-2012 21:09:45 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016320-021
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 21
Lims Batch ID: 70766 Lims Sample ID: 21
Sublist: chrom-8151_1*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP1\20121231-16320.b\8151_1.m
Last Update: 02-Jan-2013 09:45:11 Calib Date: 31-Dec-2012 16:50:57
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000010.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK005

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.237	1.237	0.000	17066328	0.0373	
2	1.375	1.375	0.000	5516481	0.0380	
					RPD = 1.75	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.961	6.961	0.000	11925908	0.0800	
2	7.613	7.613	0.000	4882050	0.0786	
					RPD = 1.71	
6 Dicamba						
1	7.127	7.127	0.000	26763591	0.0433	
2	7.779	7.779	0.000	10816901	0.0423	
					RPD = 2.37	
10 MCPP						
1	7.411	7.411	0.000	6186599	9.61	
2	7.964	7.964	0.000	2451987	9.12	
					RPD = 5.21	
9 MCPA						
1	7.573	7.573	0.000	7901858	9.36	
2	8.216	8.216	0.000	3233482	9.45	
					RPD = 0.95	
7 Dichlorprop						
1	7.945	7.945	0.000	11259019	0.0813	
2	8.575	8.575	0.000	4151024	0.0787	
					RPD = 3.24	
2 2,4-D						
1	8.185	8.185	0.000	10936633	0.0727	
2	8.933	8.933	0.000	4552391	0.0734	
					RPD = 1.05	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						
1	9.060	9.060	0.000	14337728	0.0188	
2	9.869	9.869	0.000	5238996	0.0185	
					RPD = 1.76	
1 2,4,5-T						
1	9.376	9.376	0.000	10236014	0.0167	
2	10.347	10.347	0.000	4214030	0.0174	
					RPD = 4.07	
3 2,4-DB						
1	10.007	10.007	0.000	4505638	0.0706	
2	10.999	10.999	0.000	1954661	0.0736	
					RPD = 4.18	
8 Dinoseb						
1	11.206	11.206	0.000	5321932	0.0105	
2	11.373	11.373	0.000	1985810	0.0103	
					RPD = 2.42	

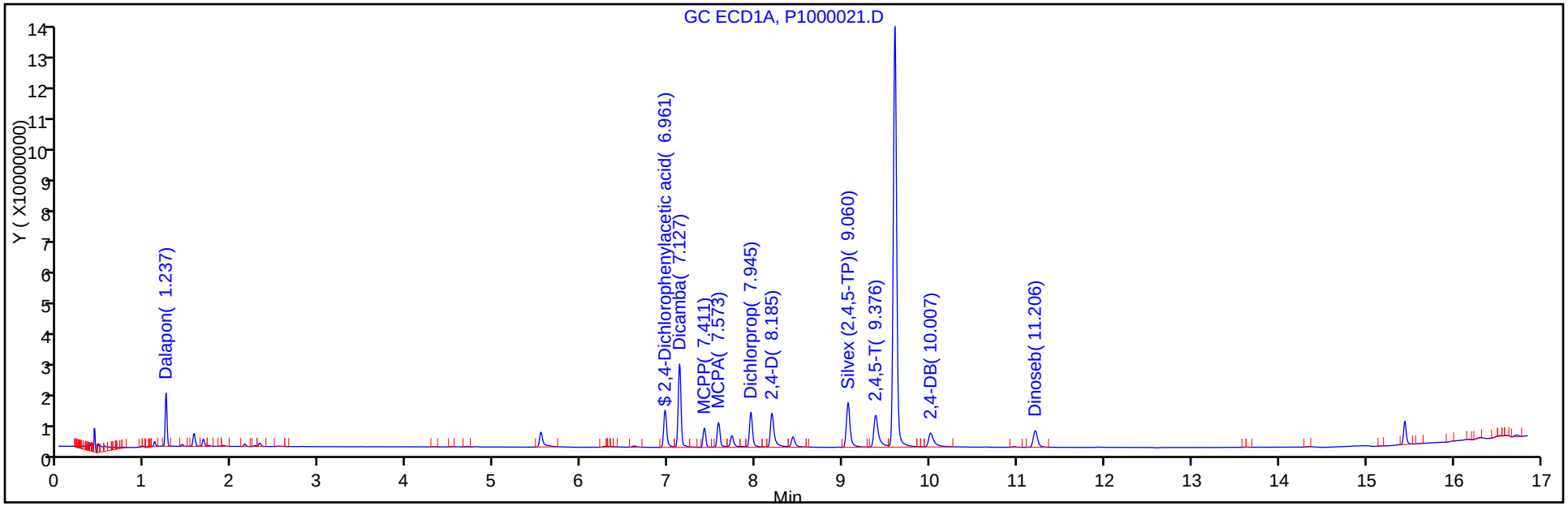
Report Date: 02-Jan-2013 09:45:12 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

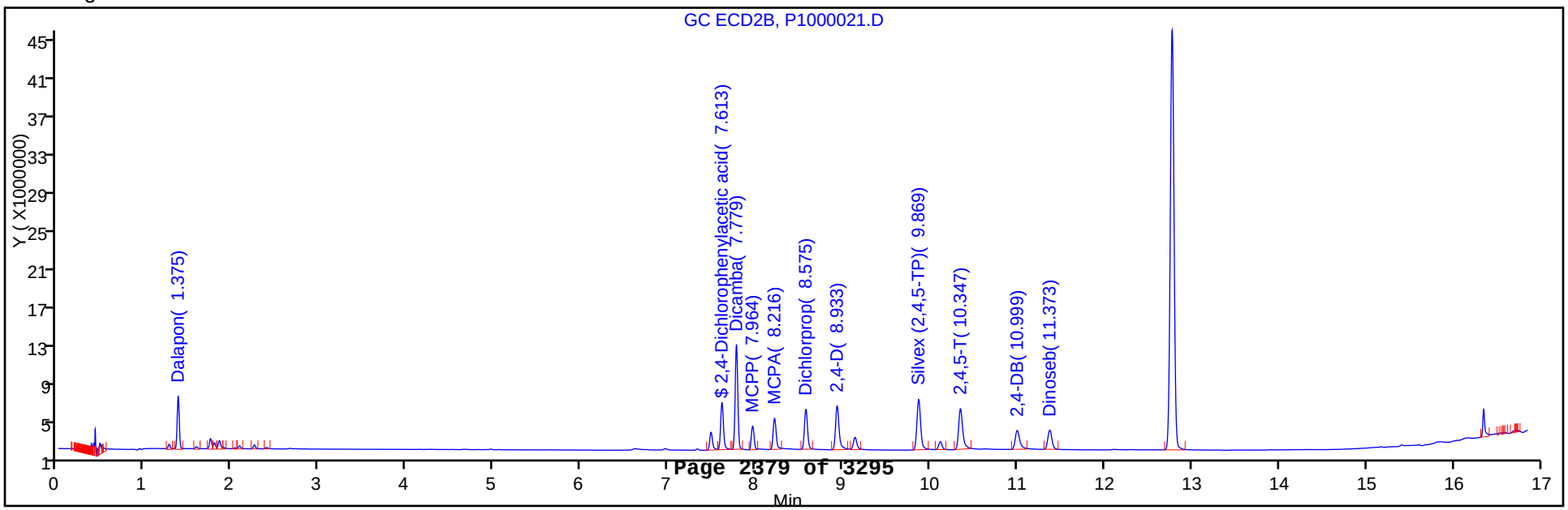
Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000021.D

Injection Date:	31-Dec-2012 21:09:45	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70766	Lims Sample ID:	21
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-70766/21 Calibration Date: 12/31/2012 21:09

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000021.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	145285641	137912025			0.0400	-5.1	20.0
Dicamba	Ave	255708069	270422525			0.0400	5.8	20.0
MCPP	Qua		306498			8.00	14.0	20.0
MCPA	Lin1		404185			8.00	18.1	20.0
Dichlorprop	Ave	52718146	51887800			0.0800	-1.6	20.0
2,4-D	Ave	62005138	56904888		0.0734	0.0800	-8.2	20.0
Silvex (2,4,5-TP)	Ave	283903898	261949800		0.0185	0.0200	-7.7	20.0
2,4,5-T	Ave	242611790	210701500		0.0174	0.0200	-13.2	20.0
2,4-DB	Ave	26562352	24433263			0.0800	-8.0	20.0
Dinoseb	Ave	193371382	165484167			0.0120	-14.4	20.0
2,4-Dichlorophenylacetic acid	Ave	62078149	61025625		0.0786	0.0800	-1.7	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-70766/21 Calibration Date: 12/31/2012 21:09

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000021.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.38	1.36	1.40
Dicamba	7.78	7.76	7.80
MCPP	7.96	7.94	7.98
MCPA	8.22	8.20	8.24
Dichlorprop	8.58	8.56	8.60
2,4-D	8.93	8.91	8.95
Silvex (2,4,5-TP)	9.87	9.85	9.89
2,4,5-T	10.35	10.33	10.37
2,4-DB	11.00	10.98	11.02
Dinoseb	11.37	11.34	11.40
2,4-Dichlorophenylacetic acid	7.61	7.59	7.63

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000021.D
Lims ID: CCV Client ID:
Inject. Date: 31-Dec-2012 21:09:45 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016320-021
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 21
Lims Batch ID: 70766 Lims Sample ID: 21
Sublist: chrom-8151_1*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP1\20121231-16320.b\8151_1.m
Last Update: 02-Jan-2013 09:45:11 Calib Date: 31-Dec-2012 16:50:57
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000010.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK005

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.237	1.237	0.000	17066328	0.0373	
2	1.375	1.375	0.000	5516481	0.0380	
					RPD = 1.75	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.961	6.961	0.000	11925908	0.0800	
2	7.613	7.613	0.000	4882050	0.0786	
					RPD = 1.71	
6 Dicamba						
1	7.127	7.127	0.000	26763591	0.0433	
2	7.779	7.779	0.000	10816901	0.0423	
					RPD = 2.37	
10 MCPP						
1	7.411	7.411	0.000	6186599	9.61	
2	7.964	7.964	0.000	2451987	9.12	
					RPD = 5.21	
9 MCPA						
1	7.573	7.573	0.000	7901858	9.36	
2	8.216	8.216	0.000	3233482	9.45	
					RPD = 0.95	
7 Dichlorprop						
1	7.945	7.945	0.000	11259019	0.0813	
2	8.575	8.575	0.000	4151024	0.0787	
					RPD = 3.24	
2 2,4-D						
1	8.185	8.185	0.000	10936633	0.0727	
2	8.933	8.933	0.000	4552391	0.0734	
					RPD = 1.05	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						
1	9.060	9.060	0.000	14337728	0.0188	
2	9.869	9.869	0.000	5238996	0.0185	
					RPD = 1.76	
1 2,4,5-T						
1	9.376	9.376	0.000	10236014	0.0167	
2	10.347	10.347	0.000	4214030	0.0174	
					RPD = 4.07	
3 2,4-DB						
1	10.007	10.007	0.000	4505638	0.0706	
2	10.999	10.999	0.000	1954661	0.0736	
					RPD = 4.18	
8 Dinoseb						
1	11.206	11.206	0.000	5321932	0.0105	
2	11.373	11.373	0.000	1985810	0.0103	
					RPD = 2.42	

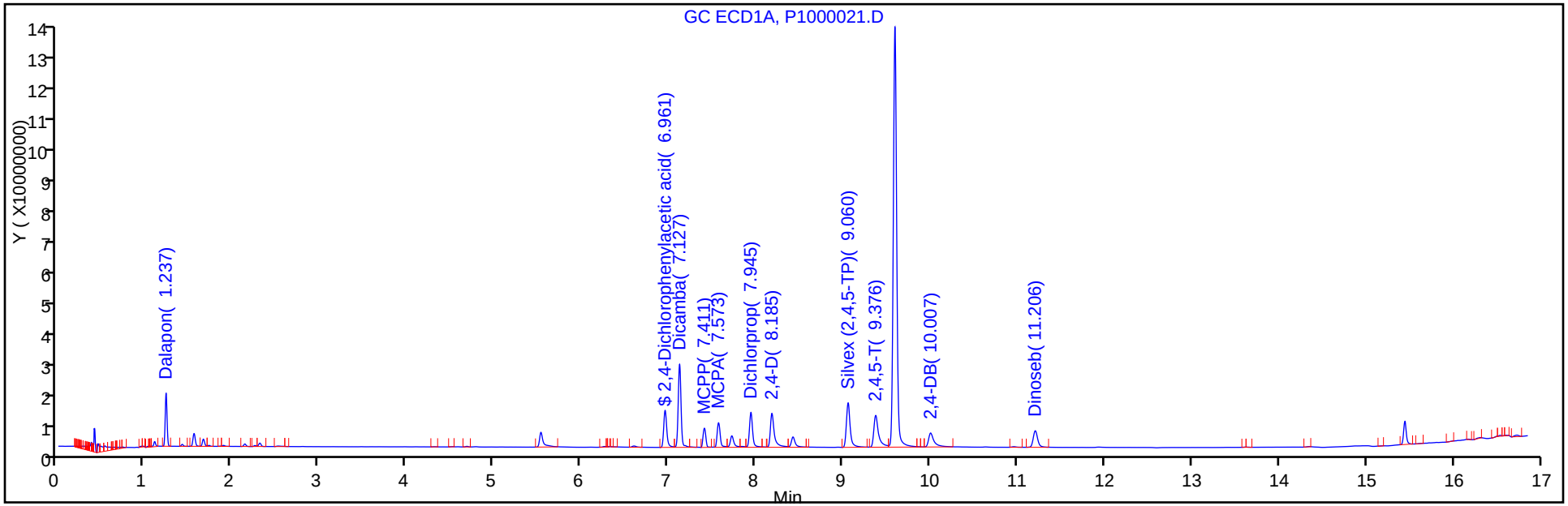
Report Date: 02-Jan-2013 09:45:12 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

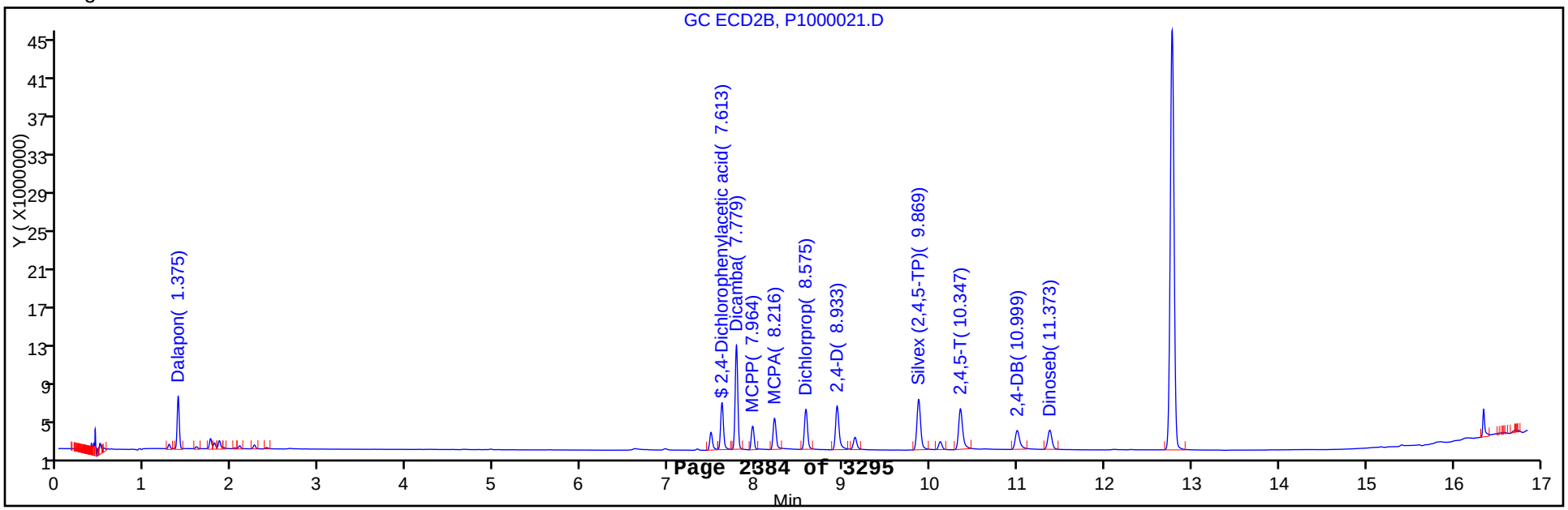
Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000021.D

Injection Date:	31-Dec-2012 21:09:45	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70766	Lims Sample ID:	21
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-70766/22 Calibration Date: 12/31/2012 21:33

Instrument ID: A2HP1 Calib Start Date: 12/31/2012 14:53

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/31/2012 16:50

Lab File ID: P1000022.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachlorophenol	Ave	1675476035	1973638500		0.0118	0.0100	17.8	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-70766/22 Calibration Date: 12/31/2012 21:33

Instrument ID: A2HP1 Calib Start Date: 12/31/2012 14:53

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/31/2012 16:50

Lab File ID: P1000022.D

Analyte	RT	RT WINDOW	
		FROM	TO
Pentachlorophenol	8.27	8.25	8.29

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000022.D		
Lims ID:	CCV PCP	Client ID:	
Inject. Date:	31-Dec-2012 21:33:23	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0016320-022		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	22
Lims Batch ID:	70766	Lims Sample ID:	22
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\8151_1.m		
Last Update:	02-Jan-2013 09:45:13	Calib Date:	31-Dec-2012 16:50:57
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000010.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.274	8.274	0.000	19736385	0.0118	
2	9.226	9.226	0.000	7705006	0.0109	
					RPD = 7.94	

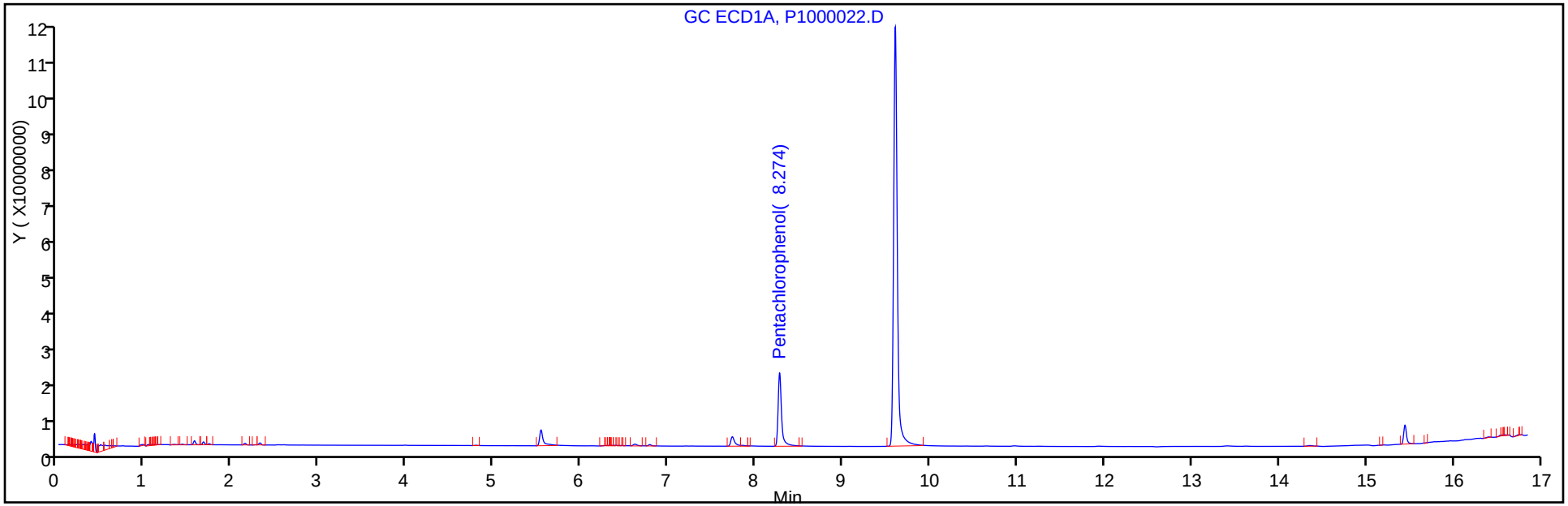
Report Date: 02-Jan-2013 09:45:14 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

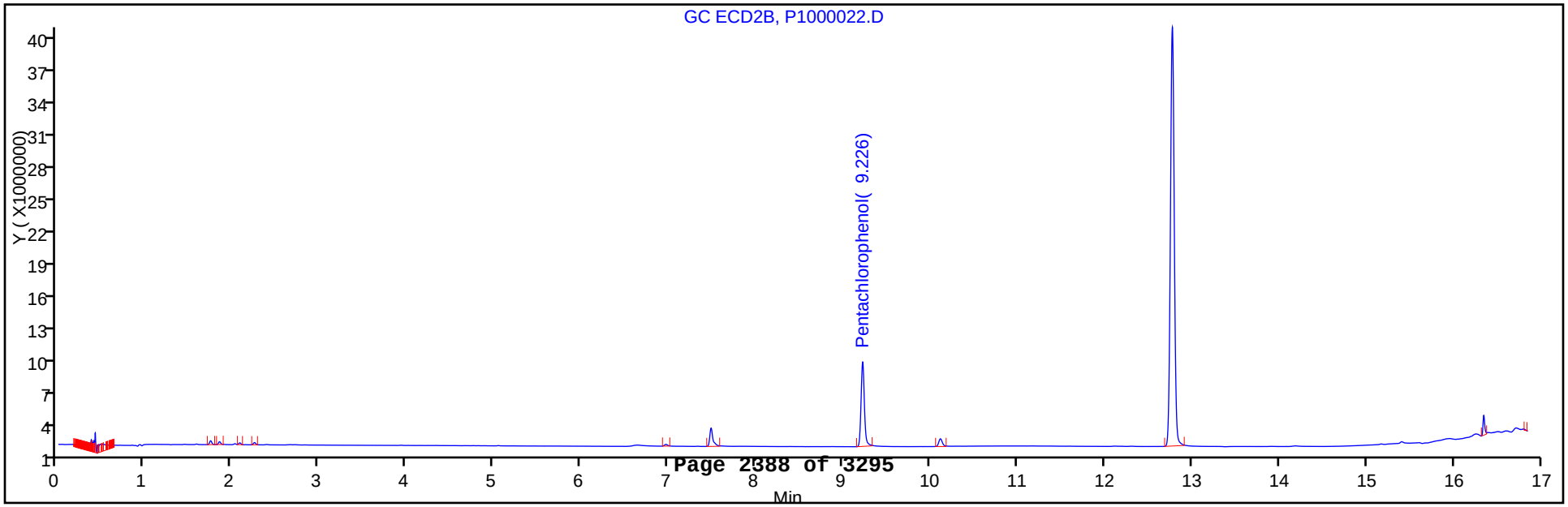
Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000022.D

Injection Date:	31-Dec-2012 21:33:23	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70766	Lims Sample ID:	22
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-70766/22 Calibration Date: 12/31/2012 21:33

Instrument ID: A2HP1 Calib Start Date: 12/31/2012 14:53

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/31/2012 16:50

Lab File ID: P1000022.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachlorophenol	Ave	708195506	770500600		0.0109	0.0100	8.8	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-70766/22 Calibration Date: 12/31/2012 21:33

Instrument ID: A2HP1 Calib Start Date: 12/31/2012 14:53

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/31/2012 16:50

Lab File ID: P1000022.D

Analyte	RT	RT WINDOW	
		FROM	TO
Pentachlorophenol	9.23	9.21	9.25

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000022.D		
Lims ID:	CCV PCP	Client ID:	
Inject. Date:	31-Dec-2012 21:33:23	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0016320-022		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	22
Lims Batch ID:	70766	Lims Sample ID:	22
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\8151_1.m		
Last Update:	02-Jan-2013 09:45:13	Calib Date:	31-Dec-2012 16:50:57
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000010.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.274	8.274	0.000	19736385	0.0118	
2	9.226	9.226	0.000	7705006	0.0109	
					RPD = 7.94	

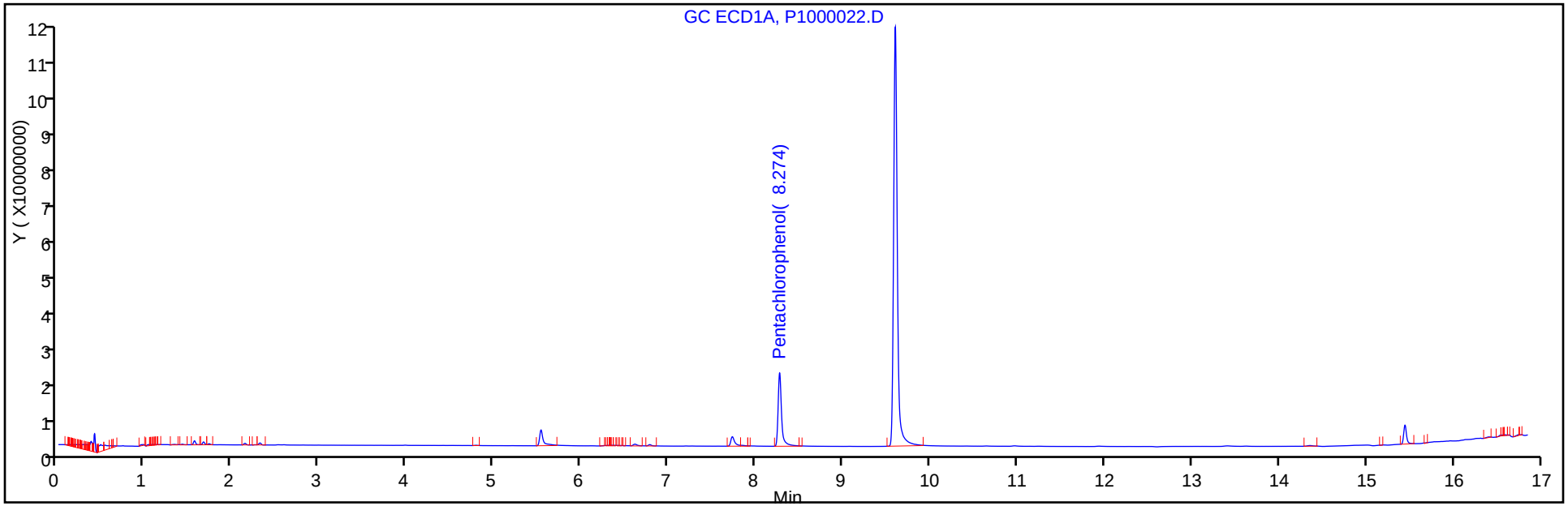
Report Date: 02-Jan-2013 09:45:14 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

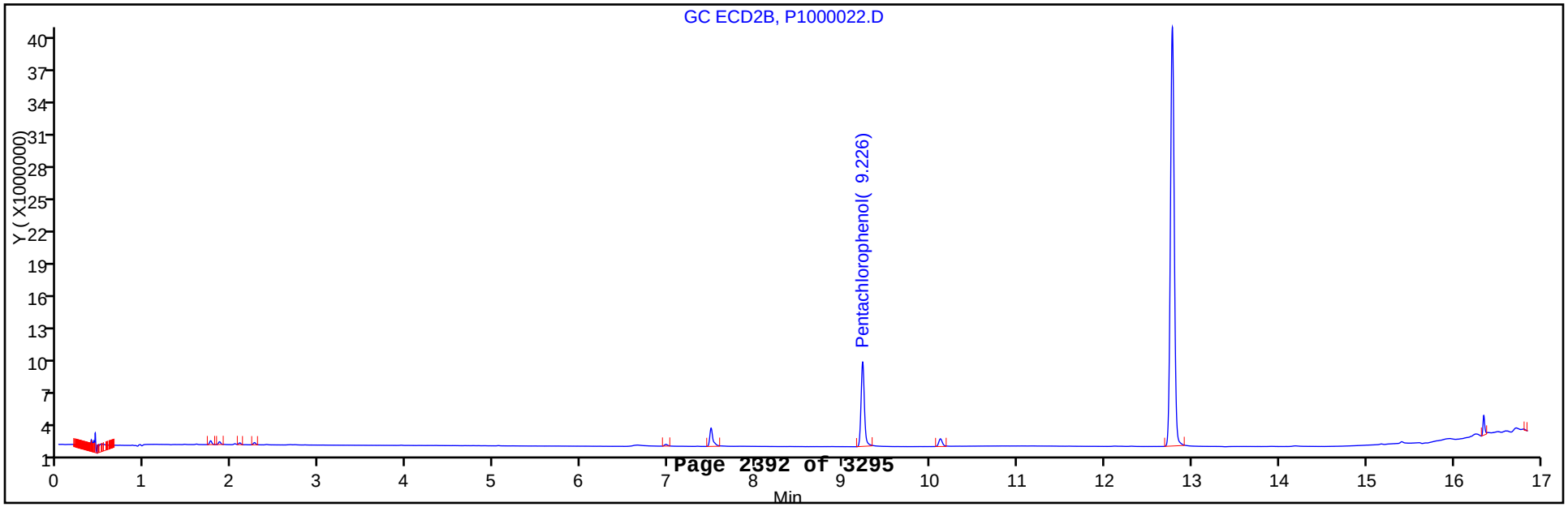
Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000022.D

Injection Date:	31-Dec-2012 21:33:23	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70766	Lims Sample ID:	22
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-70766/34 Calibration Date: 01/01/2013 02:14

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000034.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	457412034	430576100			0.0400	-5.9	20.0
Dicamba	Ave	617859973	705684150			0.0400	14.2	20.0
MCPP	Qua		796502			8.00	24.8*	20.0
MCPA	Qua		1006813			8.00	20.1*	20.0
Dichlorprop	Ave	138436820	148744875			0.0800	7.4	20.0
2,4-D	Ave	150538188	158357075		0.0842	0.0800	5.2	20.0
Silvex (2,4,5-TP)	Ave	763444311	812005550		0.0213	0.0200	6.4	20.0
2,4,5-T	Ave	613790425	628589800		0.0205	0.0200	2.4	20.0
2,4-DB	Ave	63842790	72012100			0.0800	12.8	20.0
Dinoseb	Ave	505863757	506018083			0.0120	0.0	20.0
2,4-Dichlorophenylacetic acid	Ave	149068897	160937775		0.0864	0.0800	8.0	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-70766/34 Calibration Date: 01/01/2013 02:14

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000034.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.24	1.22	1.26
Dicamba	7.13	7.11	7.15
MCPP	7.42	7.40	7.44
MCPA	7.58	7.56	7.60
Dichlorprop	7.95	7.93	7.97
2,4-D	8.19	8.17	8.21
Silvex (2,4,5-TP)	9.06	9.04	9.08
2,4,5-T	9.38	9.36	9.40
2,4-DB	10.01	9.99	10.03
Dinoseb	11.21	11.18	11.24
2,4-Dichlorophenylacetic acid	6.96	6.94	6.98

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000034.D
Lims ID: CCV Client ID:
Inject. Date: 01-Jan-2013 02:14:52 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016320-034
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 34
Lims Batch ID: 70766 Lims Sample ID: 34
Sublist: chrom-8151_1*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP1\20121231-16320.b\8151_1.m
Last Update: 02-Jan-2013 09:45:25 Calib Date: 31-Dec-2012 16:50:57
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000010.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK005

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.239	1.239	0.000	17223044	0.0377	
2	1.378	1.378	0.000	5545106	0.0382	
					RPD = 1.36	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.964	6.964	0.000	12875022	0.0864	
2	7.617	7.617	0.000	5317202	0.0857	
					RPD = 0.83	
6 Dicamba						
1	7.131	7.131	0.000	28227366	0.0457	
2	7.783	7.783	0.000	11641934	0.0455	
					RPD = 0.35	
10 MCPP						
1	7.416	7.416	0.000	6372019	9.98	
2	7.968	7.968	0.000	2562748	9.64	
					RPD = 3.50	
9 MCPA						
1	7.577	7.577	0.000	8054502	9.61	
2	8.219	8.219	0.000	3348619	9.89	
					RPD = 2.89	
7 Dichlorprop						
1	7.948	7.948	0.000	11899590	0.0860	
2	8.579	8.579	0.000	4531850	0.0860	
					RPD = 0.01	
2 2,4-D						
1	8.188	8.188	0.000	12668566	0.0842	
2	8.936	8.936	0.000	5107222	0.0824	
					RPD = 2.15	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						
1	9.062	9.062	0.000	16240111	0.0213	
2	9.872	9.872	0.000	5916917	0.0208	
					RPD = 2.05	
1 2,4,5-T						
1	9.377	9.377	0.000	12571796	0.0205	
2	10.351	10.351	0.000	4999215	0.0206	
					RPD = 0.60	
3 2,4-DB						
1	10.007	10.007	0.000	5760968	0.0902	
2	11.001	11.001	0.000	2316926	0.0872	
					RPD = 3.39	
8 Dinoseb						
1	11.212	11.212	0.000	6072217	0.0120	
2	11.377	11.377	0.000	2292843	0.0119	
					RPD = 1.23	

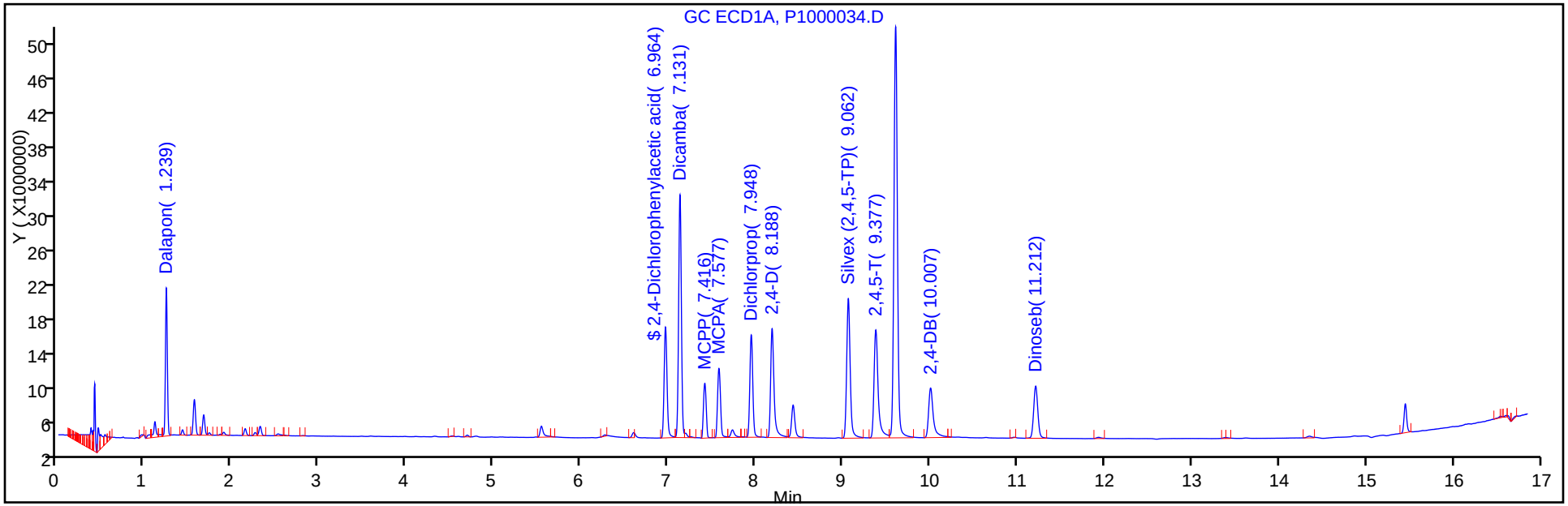
Report Date: 02-Jan-2013 09:45:25 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

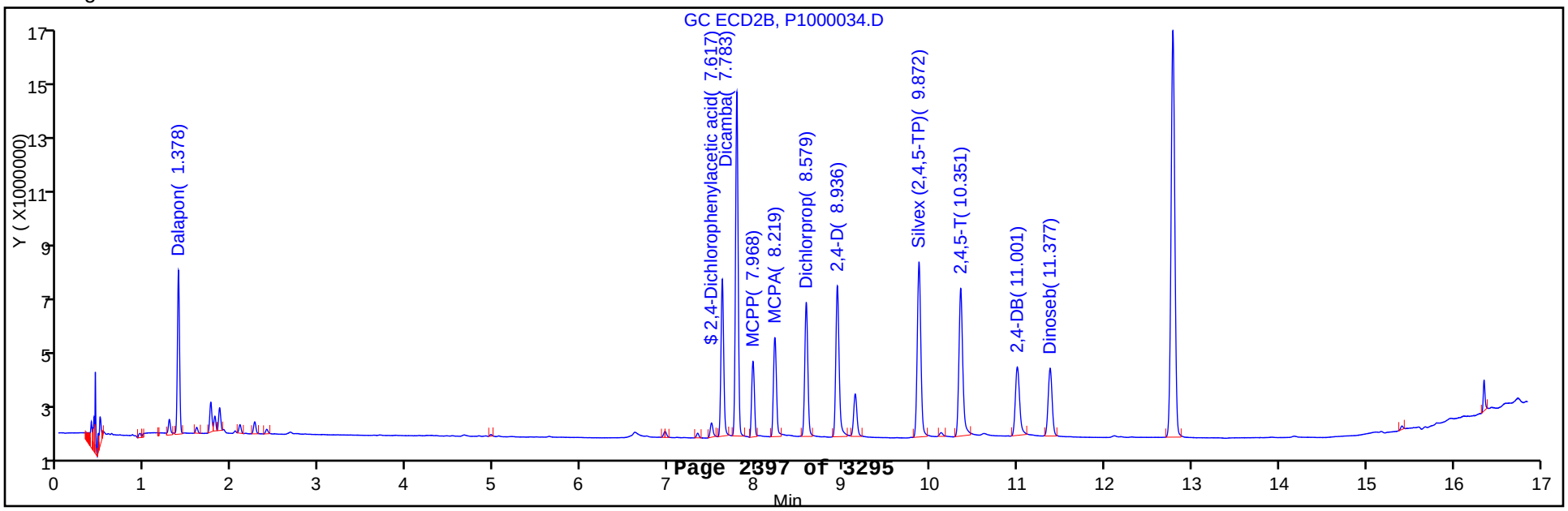
Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000034.D

Injection Date:	01-Jan-2013 02:14:52	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70766	Lims Sample ID:	34
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-70766/34 Calibration Date: 01/01/2013 02:14

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000034.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	145285641	138627650			0.0400	-4.6	20.0
Dicamba	Ave	255708069	291048350			0.0400	13.8	20.0
MCPP	Qua		320344			8.00	20.5*	20.0
MCPA	Lin1		418577			8.00	23.7*	20.0
Dichlorprop	Ave	52718146	56648125			0.0800	7.5	20.0
2,4-D	Ave	62005138	63840275		0.0824	0.0800	3.0	20.0
Silvex (2,4,5-TP)	Ave	283903898	295845850		0.0208	0.0200	4.2	20.0
2,4,5-T	Ave	242611790	249960750		0.0206	0.0200	3.0	20.0
2,4-DB	Ave	26562352	28961575			0.0800	9.0	20.0
Dinoseb	Ave	193371382	191070250			0.0120	-1.2	20.0
2,4-Dichlorophenylacetic acid	Ave	62078149	66465025		0.0857	0.0800	7.1	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-70766/34 Calibration Date: 01/01/2013 02:14

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000034.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.38	1.36	1.40
Dicamba	7.78	7.76	7.80
MCPP	7.97	7.95	7.99
MCPA	8.22	8.20	8.24
Dichlorprop	8.58	8.56	8.60
2,4-D	8.94	8.92	8.96
Silvex (2,4,5-TP)	9.87	9.85	9.89
2,4,5-T	10.35	10.33	10.37
2,4-DB	11.00	10.98	11.02
Dinoseb	11.38	11.35	11.41
2,4-Dichlorophenylacetic acid	7.62	7.60	7.64

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000034.D
Lims ID: CCV Client ID:
Inject. Date: 01-Jan-2013 02:14:52 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016320-034
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 34
Lims Batch ID: 70766 Lims Sample ID: 34
Sublist: chrom-8151_1*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP1\20121231-16320.b\8151_1.m
Last Update: 02-Jan-2013 09:45:25 Calib Date: 31-Dec-2012 16:50:57
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000010.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK005

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.239	1.239	0.000	17223044	0.0377	
2	1.378	1.378	0.000	5545106	0.0382	
					RPD = 1.36	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.964	6.964	0.000	12875022	0.0864	
2	7.617	7.617	0.000	5317202	0.0857	
					RPD = 0.83	
6 Dicamba						
1	7.131	7.131	0.000	28227366	0.0457	
2	7.783	7.783	0.000	11641934	0.0455	
					RPD = 0.35	
10 MCPP						
1	7.416	7.416	0.000	6372019	9.98	
2	7.968	7.968	0.000	2562748	9.64	
					RPD = 3.50	
9 MCPA						
1	7.577	7.577	0.000	8054502	9.61	
2	8.219	8.219	0.000	3348619	9.89	
					RPD = 2.89	
7 Dichlorprop						
1	7.948	7.948	0.000	11899590	0.0860	
2	8.579	8.579	0.000	4531850	0.0860	
					RPD = 0.01	
2 2,4-D						
1	8.188	8.188	0.000	12668566	0.0842	
2	8.936	8.936	0.000	5107222	0.0824	
					RPD = 2.15	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						
1	9.062	9.062	0.000	16240111	0.0213	
2	9.872	9.872	0.000	5916917	0.0208	
					RPD = 2.05	
1 2,4,5-T						
1	9.377	9.377	0.000	12571796	0.0205	
2	10.351	10.351	0.000	4999215	0.0206	
					RPD = 0.60	
3 2,4-DB						
1	10.007	10.007	0.000	5760968	0.0902	
2	11.001	11.001	0.000	2316926	0.0872	
					RPD = 3.39	
8 Dinoseb						
1	11.212	11.212	0.000	6072217	0.0120	
2	11.377	11.377	0.000	2292843	0.0119	
					RPD = 1.23	

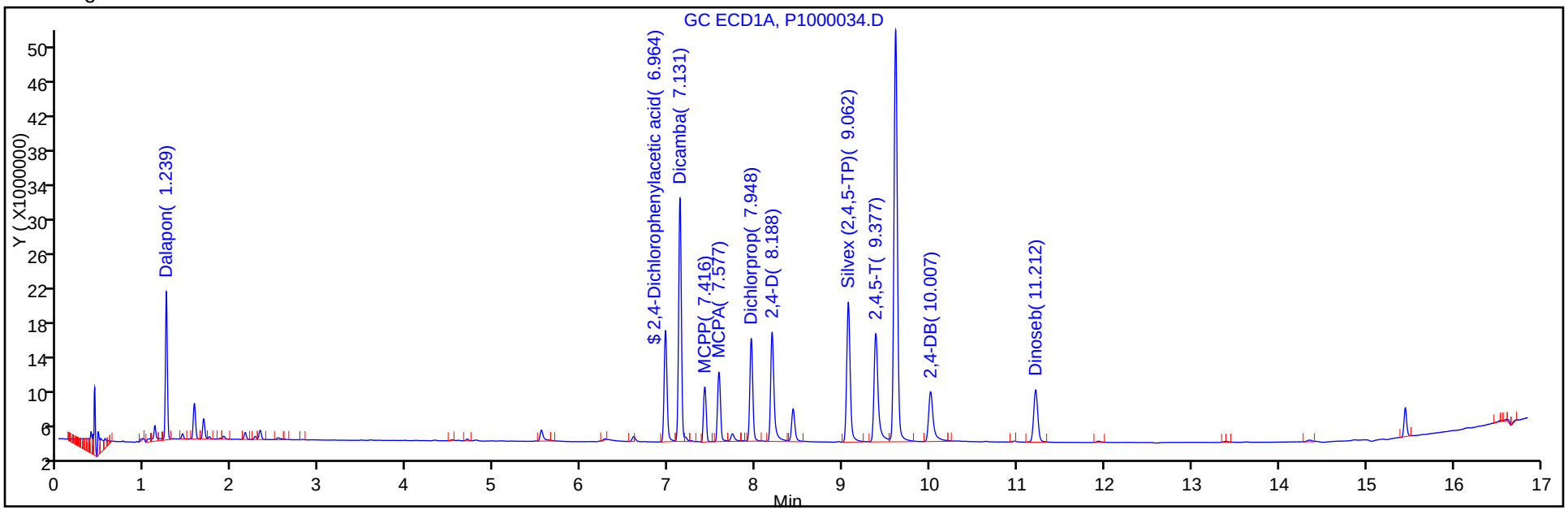
Report Date: 02-Jan-2013 09:45:25 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

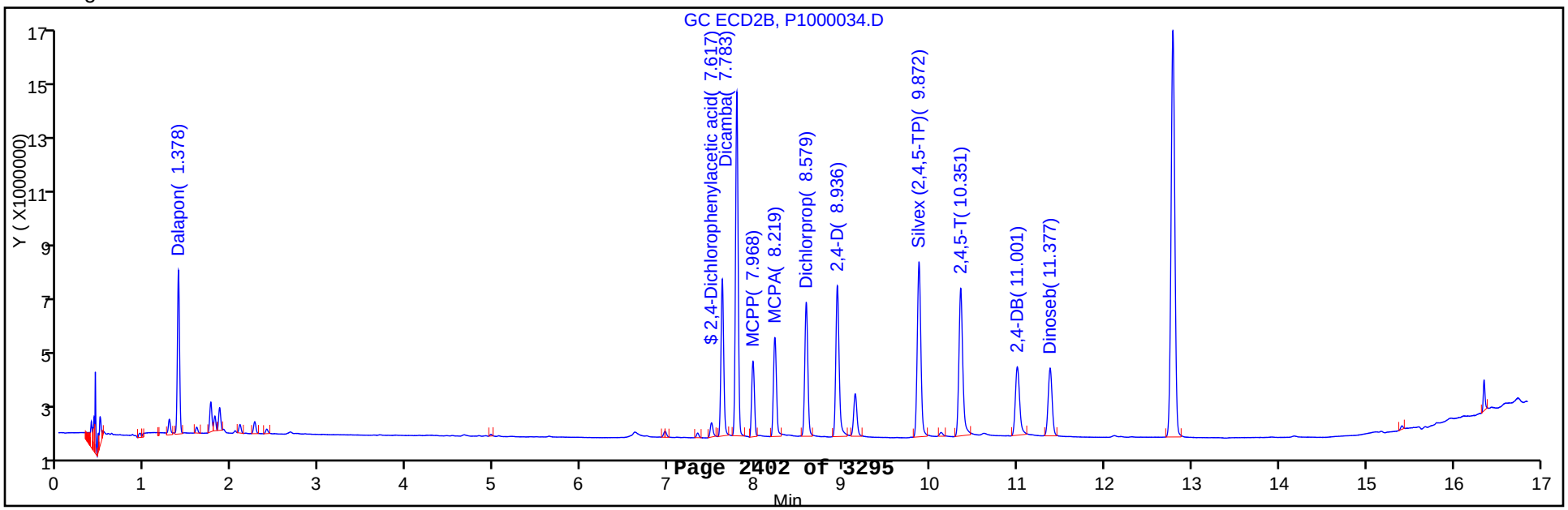
Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000034.D

Injection Date:	01-Jan-2013 02:14:52	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70766	Lims Sample ID:	34
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-70766/35 Calibration Date: 01/01/2013 02:38

Instrument ID: A2HP1 Calib Start Date: 12/31/2012 14:53

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/31/2012 16:50

Lab File ID: P1000035.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachlorophenol	Ave	1675476035	2263902600		0.0135	0.0100	35.1*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-70766/35 Calibration Date: 01/01/2013 02:38

Instrument ID: A2HP1 Calib Start Date: 12/31/2012 14:53

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/31/2012 16:50

Lab File ID: P1000035.D

Analyte	RT	RT WINDOW	
		FROM	TO
Pentachlorophenol	8.28	8.26	8.30

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000035.D		
Lims ID:	CCV PCP	Client ID:	
Inject. Date:	01-Jan-2013 02:38:13	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0016320-035		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	35
Lims Batch ID:	70766	Lims Sample ID:	35
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\8151_1.m		
Last Update:	02-Jan-2013 09:45:26	Calib Date:	31-Dec-2012 16:50:57
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000010.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.276	8.276	0.000	22639026	0.0135	
2	9.230	9.230	0.000	8243134	0.0116	
					RPD = 14.89	

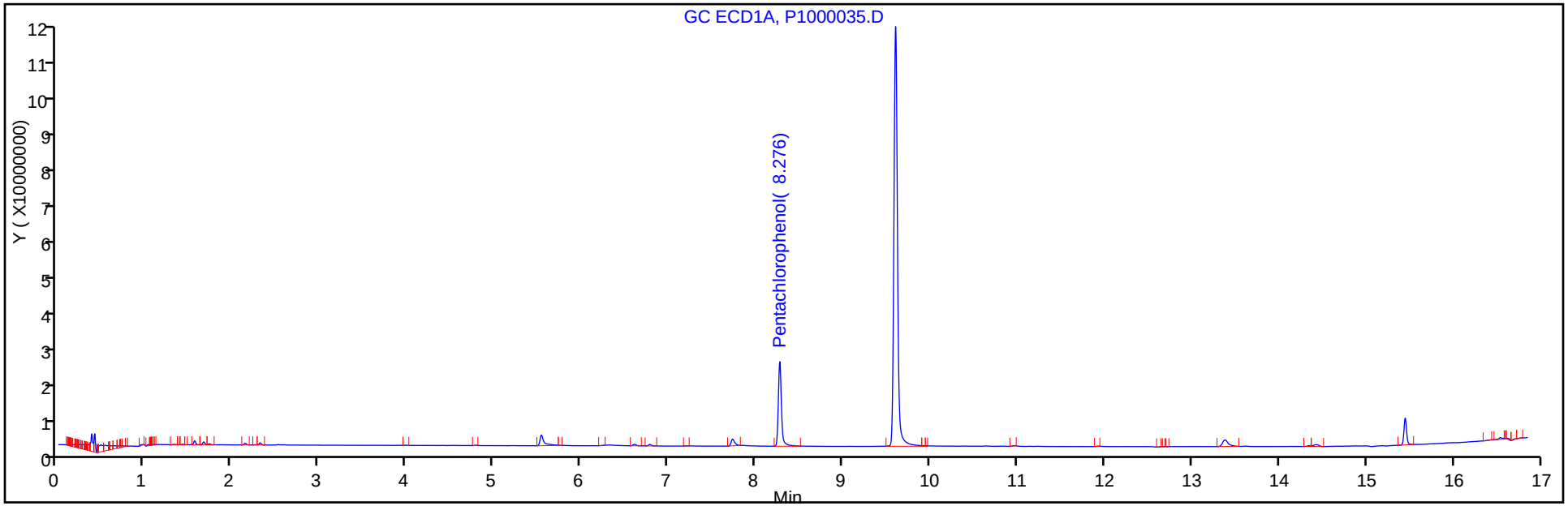
Report Date: 02-Jan-2013 09:45:27 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

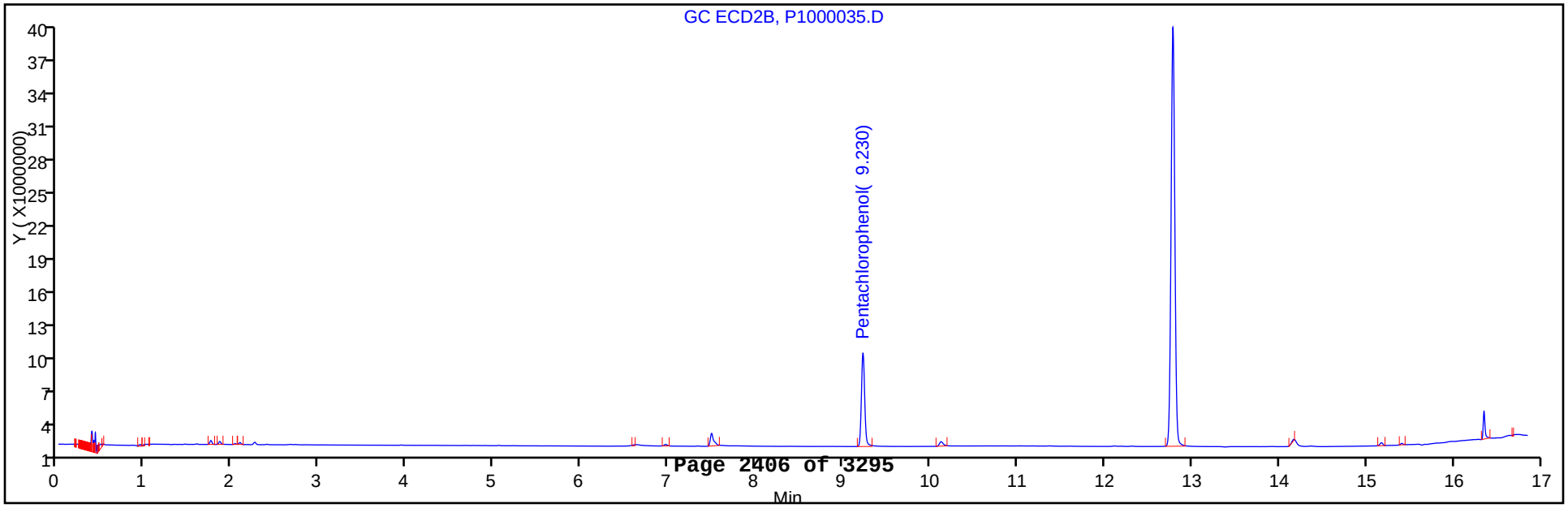
Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000035.D

Injection Date:	01-Jan-2013 02:38:13	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70766	Lims Sample ID:	35
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-70766/35 Calibration Date: 01/01/2013 02:38

Instrument ID: A2HP1 Calib Start Date: 12/31/2012 14:53

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/31/2012 16:50

Lab File ID: P1000035.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachlorophenol	Ave	708195506	824313400		0.0116	0.0100	16.4	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 240-70766/35 Calibration Date: 01/01/2013 02:38

Instrument ID: A2HP1 Calib Start Date: 12/31/2012 14:53

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/31/2012 16:50

Lab File ID: P1000035.D

Analyte	RT	RT WINDOW	
		FROM	TO
Pentachlorophenol	9.23	9.21	9.25

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000035.D		
Lims ID:	CCV PCP	Client ID:	
Inject. Date:	01-Jan-2013 02:38:13	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0016320-035		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	35
Lims Batch ID:	70766	Lims Sample ID:	35
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\8151_1.m		
Last Update:	02-Jan-2013 09:45:26	Calib Date:	31-Dec-2012 16:50:57
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000010.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.276	8.276	0.000	22639026	0.0135	
2	9.230	9.230	0.000	8243134	0.0116	
					RPD = 14.89	

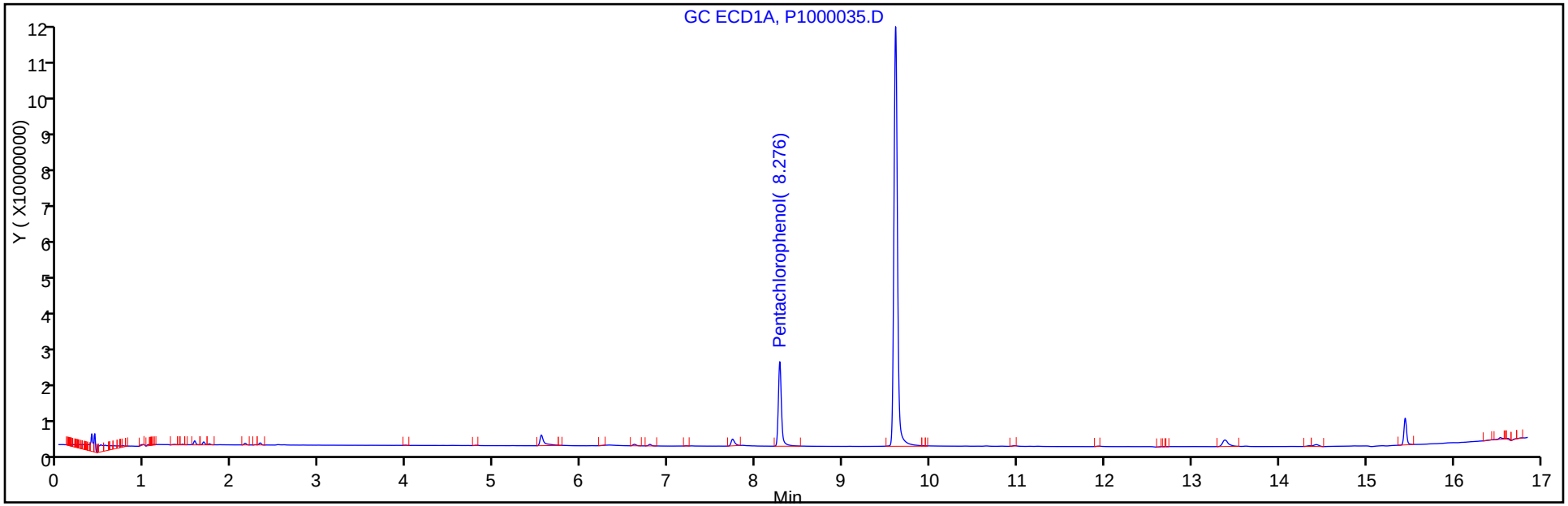
Report Date: 02-Jan-2013 09:45:27 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

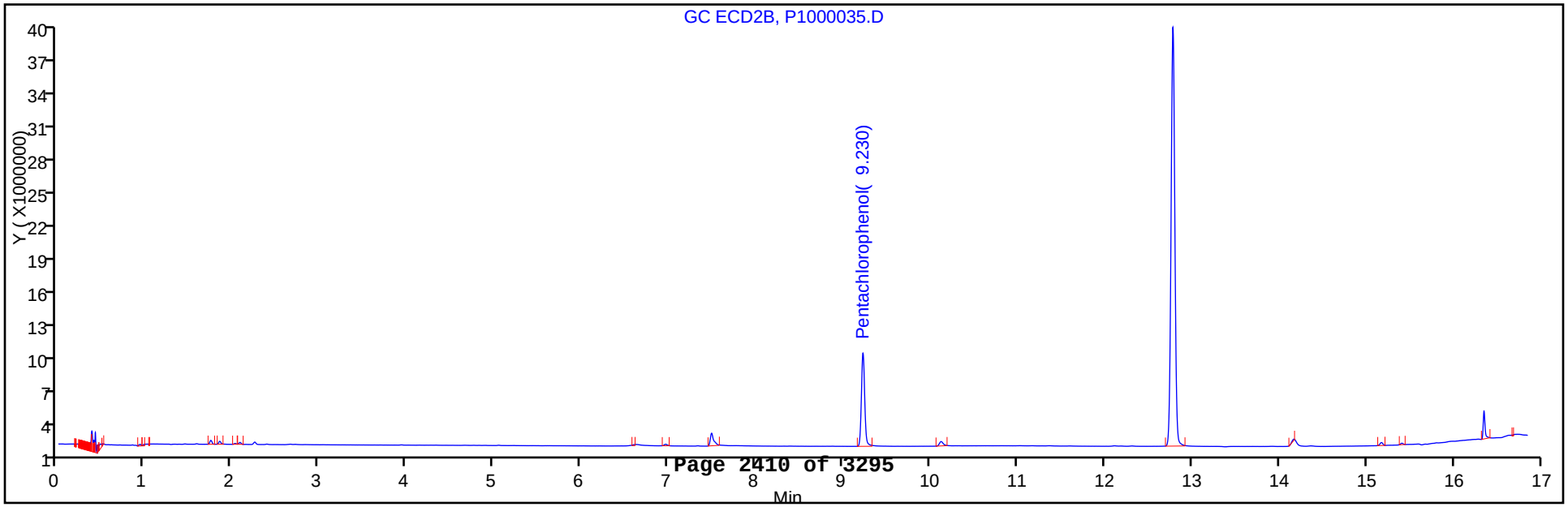
Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000035.D

Injection Date:	01-Jan-2013 02:38:13	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70766	Lims Sample ID:	35
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-69372/21-A

Matrix: Water | Lab File ID: P1000017.D

Analysis Method: 8151/DOD | Date Collected:

Extraction Method: 8151A | Date Extracted: 12/19/2012 09:51

Sample wt/vol: 500(mL) | Date Analyzed: 12/24/2012 21:11

Con. Extract Vol.: 100(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70037 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
94-75-7	2,4-D	0.50	U	4.0	0.50	0.41
75-99-0	Dalapon	0.20	U	2.0	0.20	0.17
94-82-6	2,4-DB	1.0	U	4.0	1.0	0.69
1918-00-9	Dicamba	1.0	U	2.0	1.0	0.52
120-36-5	Dichlorprop	1.0	U	4.0	1.0	0.86
88-85-7	Dinoseb	0.20	U	0.60	0.20	0.087
94-74-6	MCPA	400	U	400	400	390
93-65-2	MCPP	400	U	400	400	400
87-86-5	Pentachlorophenol	0.040	U	0.10	0.040	0.024
93-72-1	Silvex (2,4,5-TP)	0.20	U	1.0	0.20	0.20
93-76-5	2,4,5-T	0.50	U	1.0	0.50	0.30

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	74		32-112

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000017.D		
Lims ID:	MB 240-69372/21-A	Client ID:	
Inject. Date:	24-Dec-2012 21:11:59	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	240-0016161-017		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	17
Lims Batch ID:	70037	Lims Sample ID:	17
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121224-16161.b\8151_1.m		
Last Update:	26-Dec-2012 12:33:13	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1		1.238				
2		1.371				
$ 4 2,4-Dichlorophenylacetic acid						
1	6.973	6.967	0.006	22021499	0.1477	
2	7.608	7.608	0.000	10645713	0.1715	
					RPD = 14.89	
6 Dicamba						1
1		7.133				
2		7.774				
10 MCPP						1
1		7.418				
2		7.960				
9 MCPA						
1		7.580				
2		8.210				
7 Dichlorprop						
1		7.950				
2		8.570				
2 2,4-D						1
1		8.190				
2		8.926				
11 Pentachlorophenol						
1		8.278				
2		9.219				
12 Silvex (2,4,5-TP)						1
1		9.064				
2		9.860				

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
1	2,4,5-T					1
1		9.380				
2		10.338				
3	2,4-DB					1
1		10.010				
2		10.988				
8	Dinoseb					1
1		11.216				
2		11.365				

QC Flag Legend

Processing Flags
1 - Missing Peaks

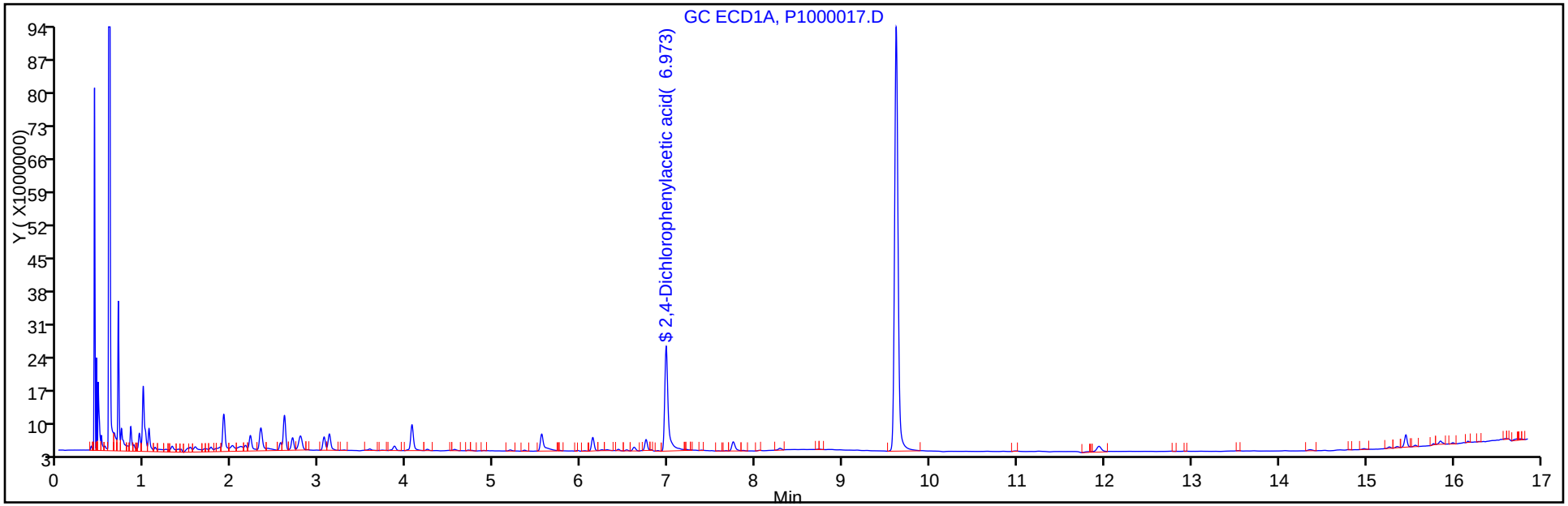
Report Date: 26-Dec-2012 12:33:24 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

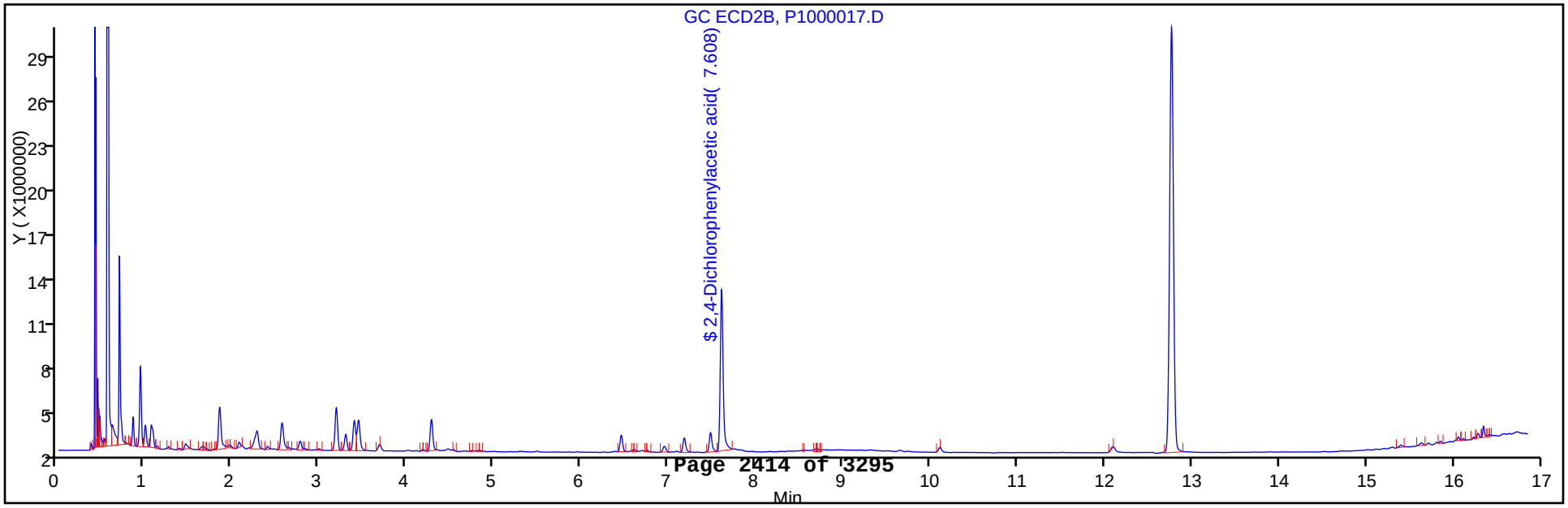
Data File: \\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000017.D

Injection Date:	24-Dec-2012 21:11:59	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70037	Lims Sample ID:	17
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-69372/21-A

Matrix: Water Lab File ID: P1000017.D

Analysis Method: 8151/DOD Date Collected:

Extraction Method: 8151A Date Extracted: 12/19/2012 09:51

Sample wt/vol: 500(mL) Date Analyzed: 12/24/2012 21:11

Con. Extract Vol.: 100(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 70037 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	86		32-112

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000017.D		
Lims ID:	MB 240-69372/21-A	Client ID:	
Inject. Date:	24-Dec-2012 21:11:59	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	240-0016161-017		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	17
Lims Batch ID:	70037	Lims Sample ID:	17
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121224-16161.b\8151_1.m		
Last Update:	26-Dec-2012 12:33:13	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1		1.238				
2		1.371				
$ 4 2,4-Dichlorophenylacetic acid						
1	6.973	6.967	0.006	22021499	0.1477	
2	7.608	7.608	0.000	10645713	0.1715	
					RPD = 14.89	
6 Dicamba						1
1		7.133				
2		7.774				
10 MCPP						1
1		7.418				
2		7.960				
9 MCPA						
1		7.580				
2		8.210				
7 Dichlorprop						
1		7.950				
2		8.570				
2 2,4-D						1
1		8.190				
2		8.926				
11 Pentachlorophenol						
1		8.278				
2		9.219				
12 Silvex (2,4,5-TP)						1
1		9.064				
2		9.860				

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
1	2,4,5-T					1
1		9.380				
2		10.338				
3	2,4-DB					1
1		10.010				
2		10.988				
8	Dinoseb					1
1		11.216				
2		11.365				

QC Flag Legend

Processing Flags
1 - Missing Peaks

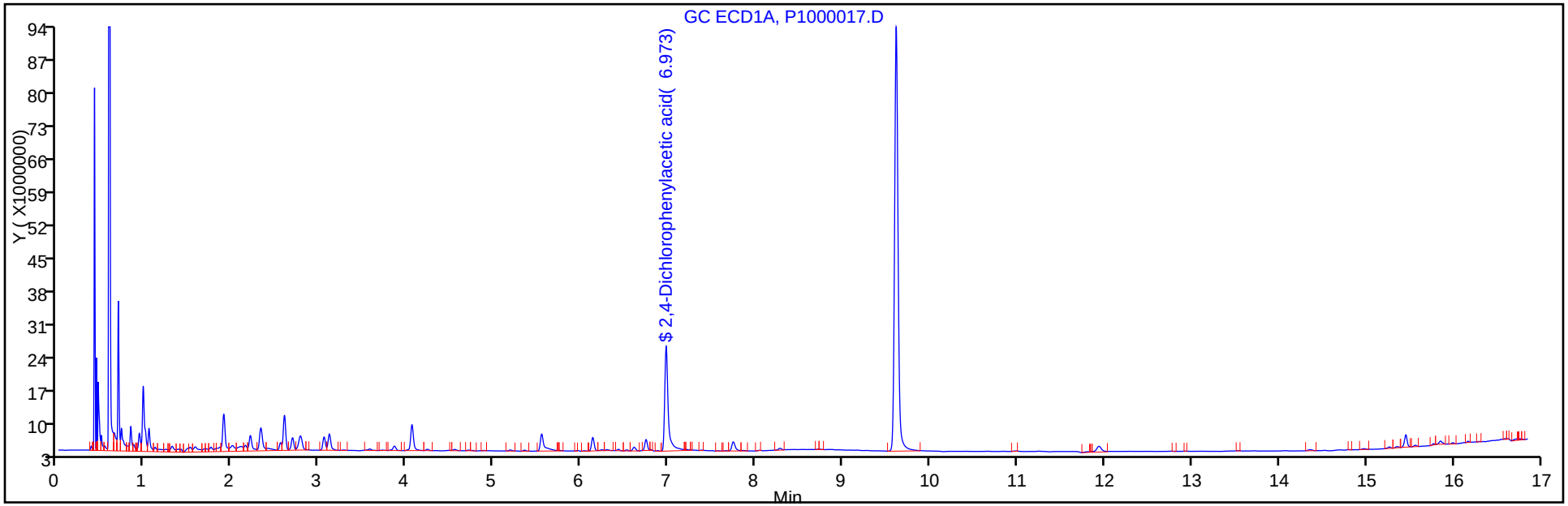
Report Date: 26-Dec-2012 12:33:24 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

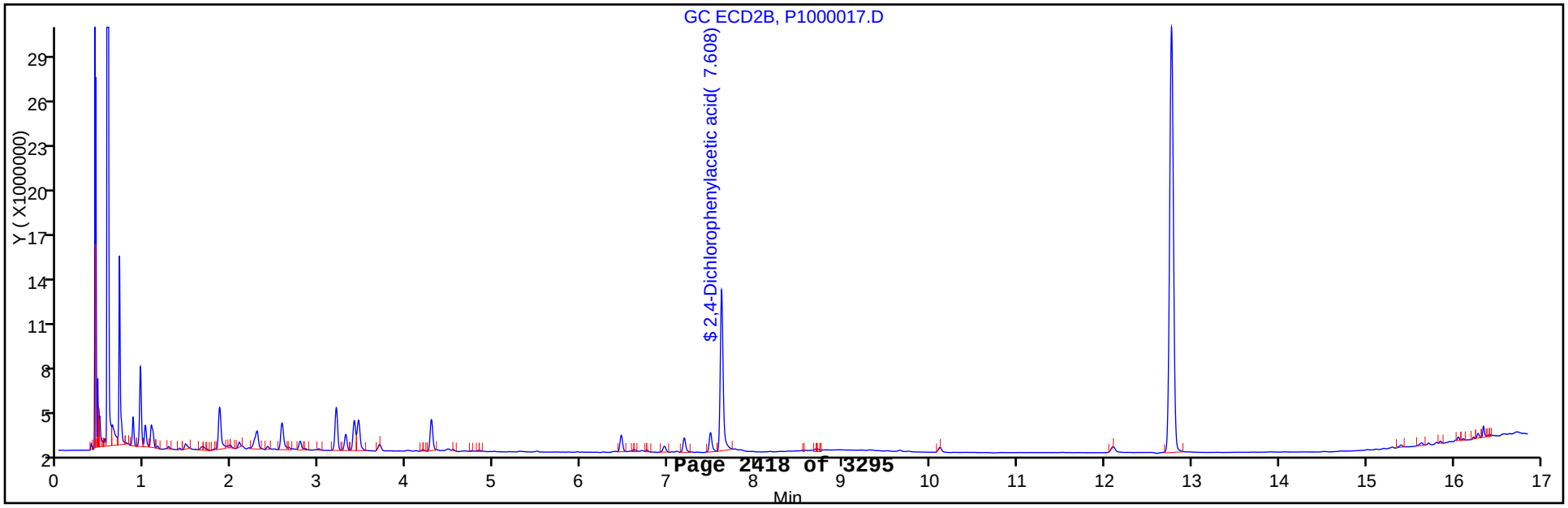
Data File: \\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000017.D

Injection Date:	24-Dec-2012 21:11:59	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70037	Lims Sample ID:	17
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-70010/4-A

Matrix: Solid Lab File ID: P1000032.D

Analysis Method: 8151/DOD Date Collected:

Extraction Method: 8151A Date Extracted: 12/24/2012 10:38

Sample wt/vol: 100(mL) Date Analyzed: 01/01/2013 01:27

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 70766 Units: mg/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	79		37-116

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000032.D
Lims ID: MB 240-70010/4-A Client ID:
Inject. Date: 01-Jan-2013 01:27:56 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0016320-032
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 32
Lims Batch ID: 70766 Lims Sample ID: 32
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP1\20121231-16320.b\8151_1.m
Last Update: 07-Jan-2013 13:46:48 Calib Date: 31-Dec-2012 16:50:57
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000010.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK030

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1		1.237				
2		1.375				
$ 4 2,4-Dichlorophenylacetic acid						
1	6.964	6.961	0.003	23589984	0.1582	
2	7.614	7.613	0.001	10733137	0.1729	
					RPD = 8.85	
6 Dicamba						
1		7.127				
2		7.779				
10 MCPP						1
1		7.411				
2		7.964				
9 MCPA						
1		7.573				
2		8.216				
7 Dichlorprop						1
1		7.945				
2		8.575				
2 2,4-D						
1		8.185				
2		8.933				
11 Pentachlorophenol						
1		8.274				
2		9.226				
12 Silvex (2,4,5-TP)						1
1		9.060				
2		9.869				

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
1	2,4,5-T					1
1		9.376				
2		10.347				
3	2,4-DB					
1		10.007				
2		10.999				
8	Dinoseb					1
1		11.206				
2		11.373				

QC Flag Legend

Processing Flags
1 - Missing Peaks

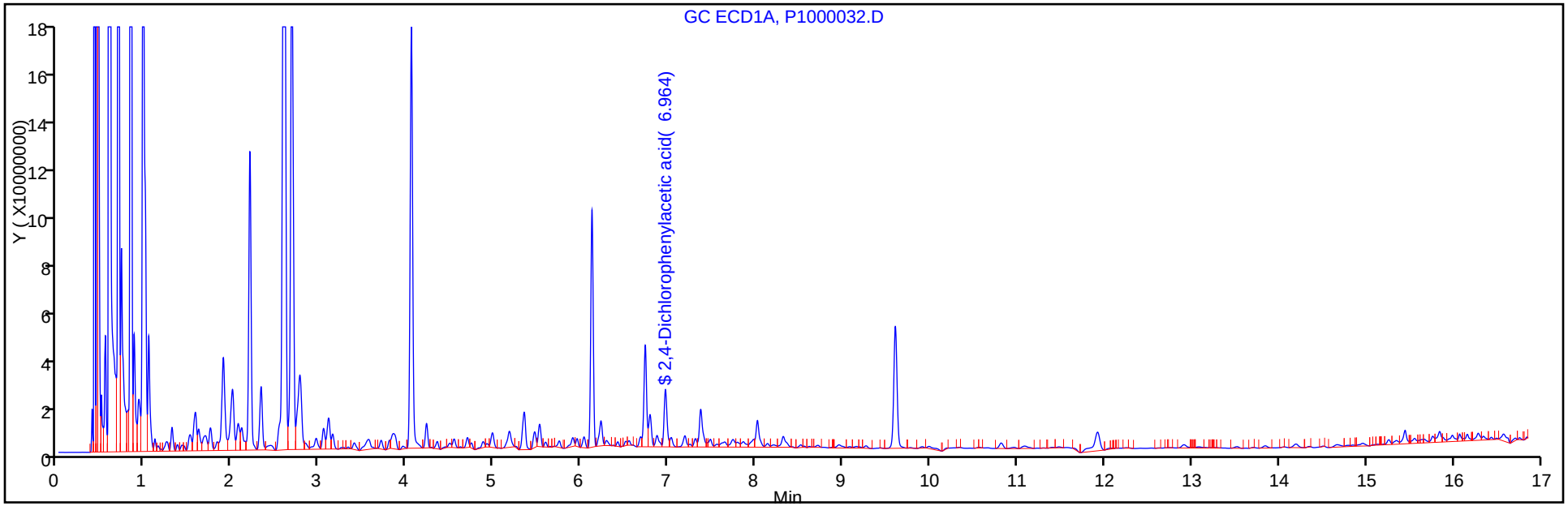
Report Date: 07-Jan-2013 13:46:59 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

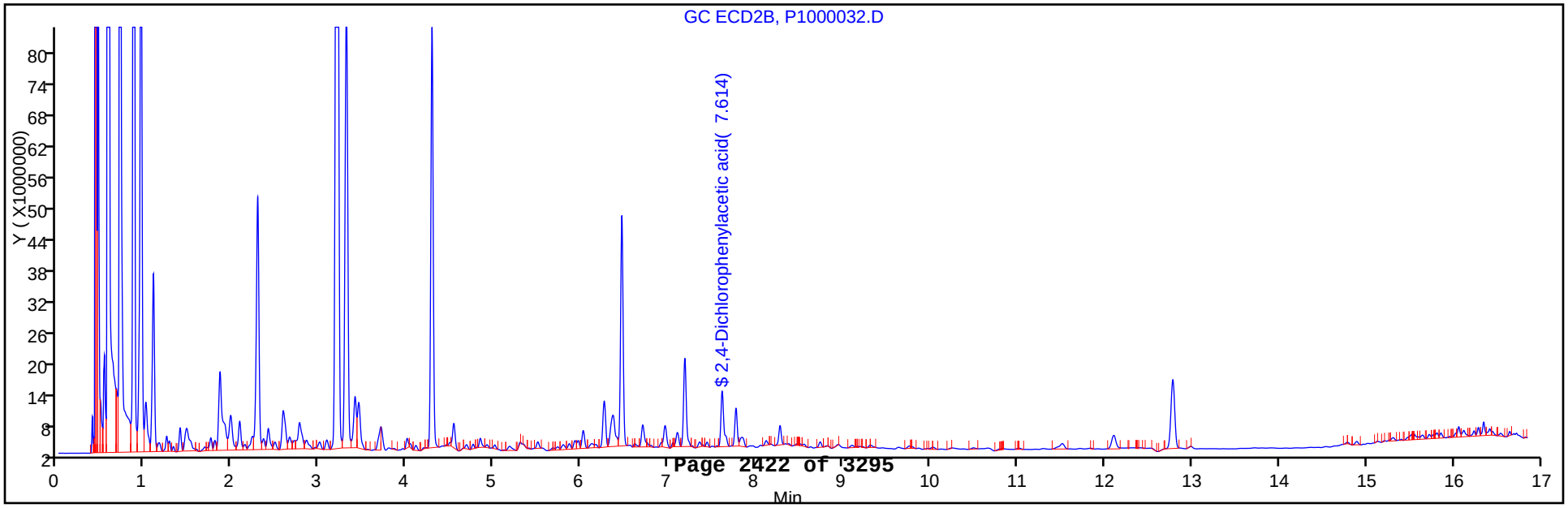
Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000032.D

Injection Date:	01-Jan-2013 01:27:56	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70766	Lims Sample ID:	32
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-70010/4-A

Matrix: Solid | Lab File ID: P1000032.D

Analysis Method: 8151/DOD | Date Collected:

Extraction Method: 8151A | Date Extracted: 12/24/2012 10:38

Sample wt/vol: 100(mL) | Date Analyzed: 01/01/2013 01:27

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70766 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
94-75-7	2,4-D	0.00025	U	0.25	0.00025	0.00021
93-72-1	Silvex (2,4,5-TP)	0.00010	U	0.050	0.00010	0.00010

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	86		37-116

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000032.D		
Lims ID:	MB 240-70010/4-A	Client ID:	
Inject. Date:	01-Jan-2013 01:27:56	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	240-0016320-032		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	32
Lims Batch ID:	70766	Lims Sample ID:	32
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\8151_1.m		
Last Update:	07-Jan-2013 13:46:48	Calib Date:	31-Dec-2012 16:50:57
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000010.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK030		

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1		1.237				
2		1.375				
$ 4 2,4-Dichlorophenylacetic acid						
1	6.964	6.961	0.003	23589984	0.1582	
2	7.614	7.613	0.001	10733137	0.1729	
					RPD = 8.85	
6 Dicamba						
1		7.127				
2		7.779				
10 MCPP						1
1		7.411				
2		7.964				
9 MCPA						
1		7.573				
2		8.216				
7 Dichlorprop						1
1		7.945				
2		8.575				
2 2,4-D						
1		8.185				
2		8.933				
11 Pentachlorophenol						
1		8.274				
2		9.226				
12 Silvex (2,4,5-TP)						1
1		9.060				
2		9.869				

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
1	2,4,5-T					1
1		9.376				
2		10.347				
3	2,4-DB					
1		10.007				
2		10.999				
8	Dinoseb					1
1		11.206				
2		11.373				

QC Flag Legend

Processing Flags
1 - Missing Peaks

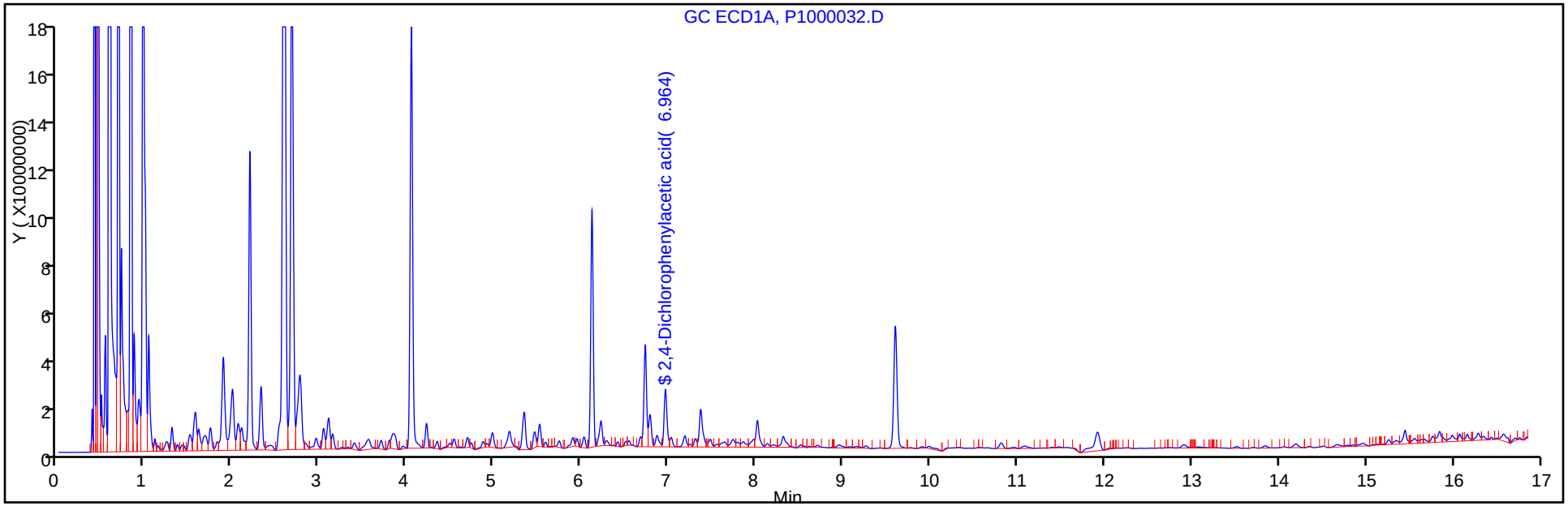
Report Date: 07-Jan-2013 13:47:00 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

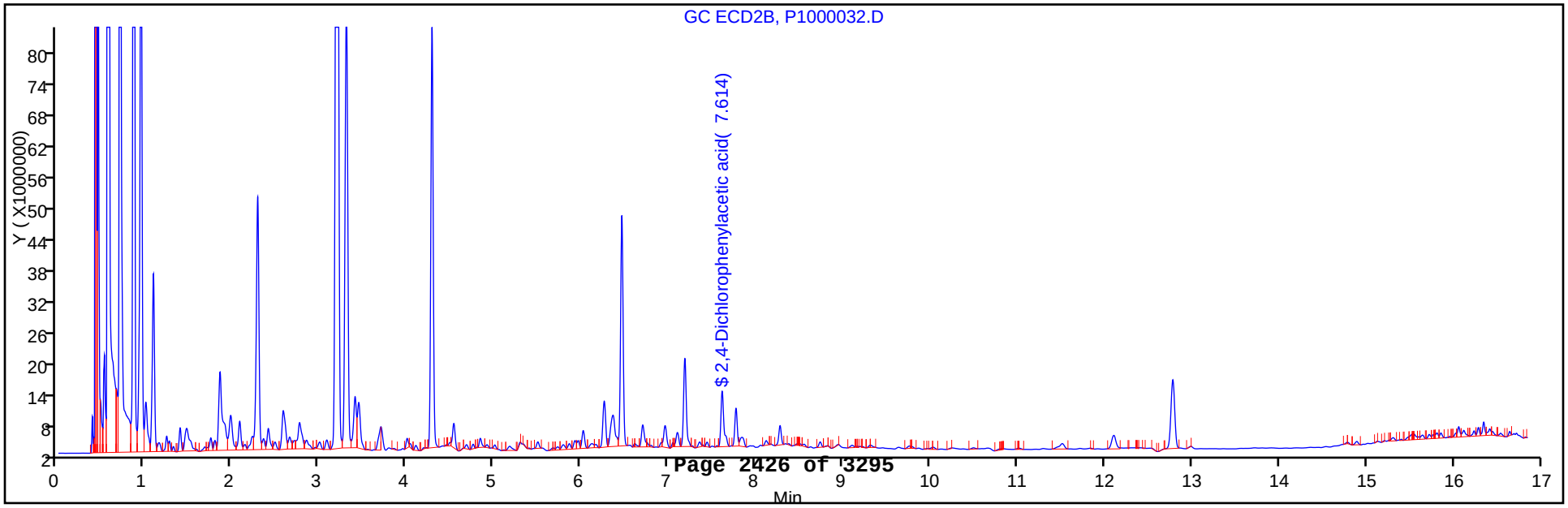
Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000032.D

Injection Date:	01-Jan-2013 01:27:56	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70766	Lims Sample ID:	32
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-69372/22-A

Matrix: Water | Lab File ID: P1000029.D

Analysis Method: 8151/DOD | Date Collected:

Extraction Method: 8151A | Date Extracted: 12/19/2012 09:51

Sample wt/vol: 500(mL) | Date Analyzed: 12/25/2012 01:53

Con. Extract Vol.: 100(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70037 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
94-75-7	2,4-D	36.7		4.0	0.50	0.41
75-99-0	Dalapon	13.7		2.0	0.20	0.17
94-82-6	2,4-DB	35.1		4.0	1.0	0.69
1918-00-9	Dicamba	17.6		2.0	1.0	0.52
120-36-5	Dichlorprop	43.9		4.0	1.0	0.86
88-85-7	Dinoseb	4.33		0.60	0.20	0.087
94-74-6	MCPA	3570		400	400	390
93-65-2	MCPP	3860		400	400	400
87-86-5	Pentachlorophenol	6.57		0.10	0.040	0.024
93-72-1	Silvex (2,4,5-TP)	8.89		1.0	0.20	0.20
93-76-5	2,4,5-T	8.89		1.0	0.50	0.30

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	87		32-112

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000029.D
Lims ID: LCS 240-69372/22-A Client ID:
Inject. Date: 25-Dec-2012 01:53:47 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0016161-029
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 29
Lims Batch ID: 70037 Lims Sample ID: 29
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP1\20121224-16161.b\8151_1.m
Last Update: 26-Dec-2012 12:33:27 Calib Date: 03-Dec-2012 19:52:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.244	1.241	0.003	31229677	0.0683	
2	1.372	1.372	0.000	12197494	0.0840	
					RPD = 20.60	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.973	6.971	0.002	25827659	0.1733	
2	7.606	7.607	-0.001	11578775	0.1865	
					RPD = 7.37	
6 Dicamba						
1	7.139	7.136	0.003	54243268	0.0878	
2	7.772	7.774	-0.002	23824801	0.0932	
					RPD = 5.95	
10 MCPP						
1	7.424	7.421	0.003	10840888	19.3	
2	7.958	7.959	-0.001	4373789	18.3	
					RPD = 5.13	
9 MCPA						
1	7.587	7.585	0.002	12950858	17.9	
2	8.210	8.210	0.000	5625167	18.6	
					RPD = 4.20	
7 Dichlorprop						
1	7.957	7.955	0.002	30370216	0.2194	
2	8.568	8.570	-0.002	12649922	0.2400	
					RPD = 8.96	
2 2,4-D						
1	8.194	8.194	0.000	27659681	0.1837	
2	8.923	8.925	-0.002	11819052	0.1906	
					RPD = 3.67	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.284	8.283	0.001	55739483	0.0329	
2	9.217	9.218	-0.001	21924248	0.0301	
					RPD = 8.74	
12 Silvex (2,4,5-TP)						
1	9.071	9.069	0.002	33941848	0.0445	
2	9.858	9.860	-0.002	13423604	0.0473	
					RPD = 6.16	
1 2,4,5-T						
1	9.385	9.385	0.000	27272444	0.0444	
2	10.337	10.337	0.000	10994509	0.0453	
					RPD = 1.97	
3 2,4-DB						
1	10.014	10.013	0.001	11216439	0.1757	
2	10.983	10.987	-0.004	4602246	0.1733	
					RPD = 1.39	
8 Dinoseb						
1	11.224	11.220	0.004	10953069	0.0217	
2	11.361	11.364	-0.003	4336399	0.0224	
					RPD = 3.51	

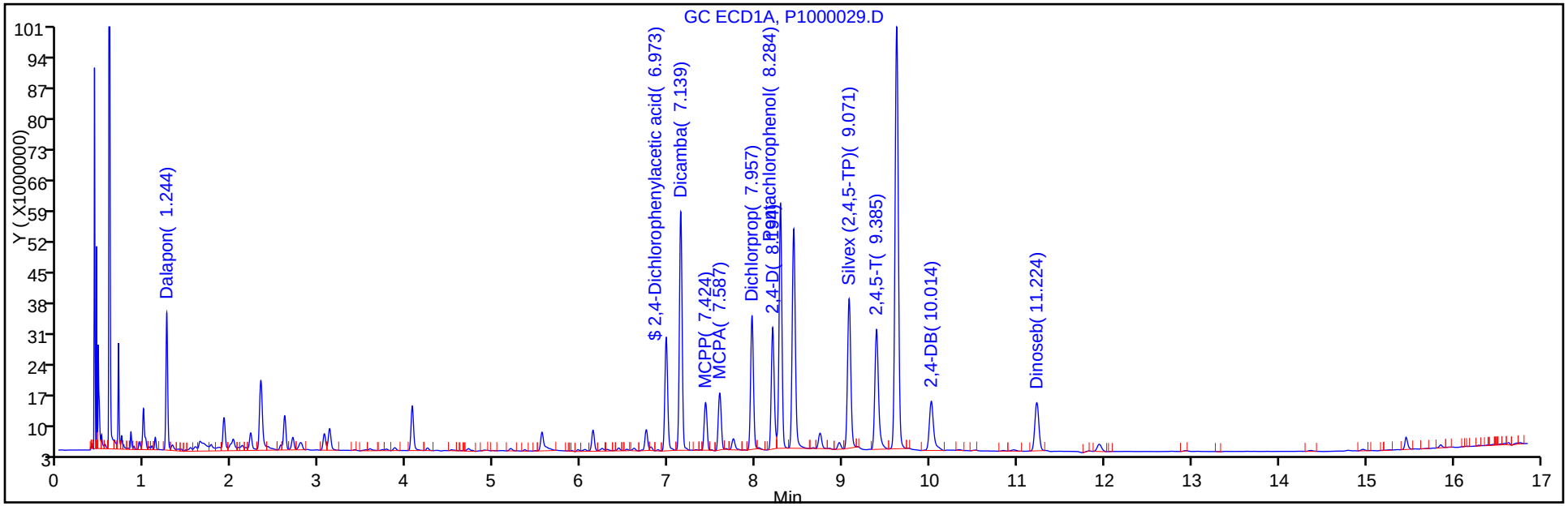
Report Date: 26-Dec-2012 12:33:37 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

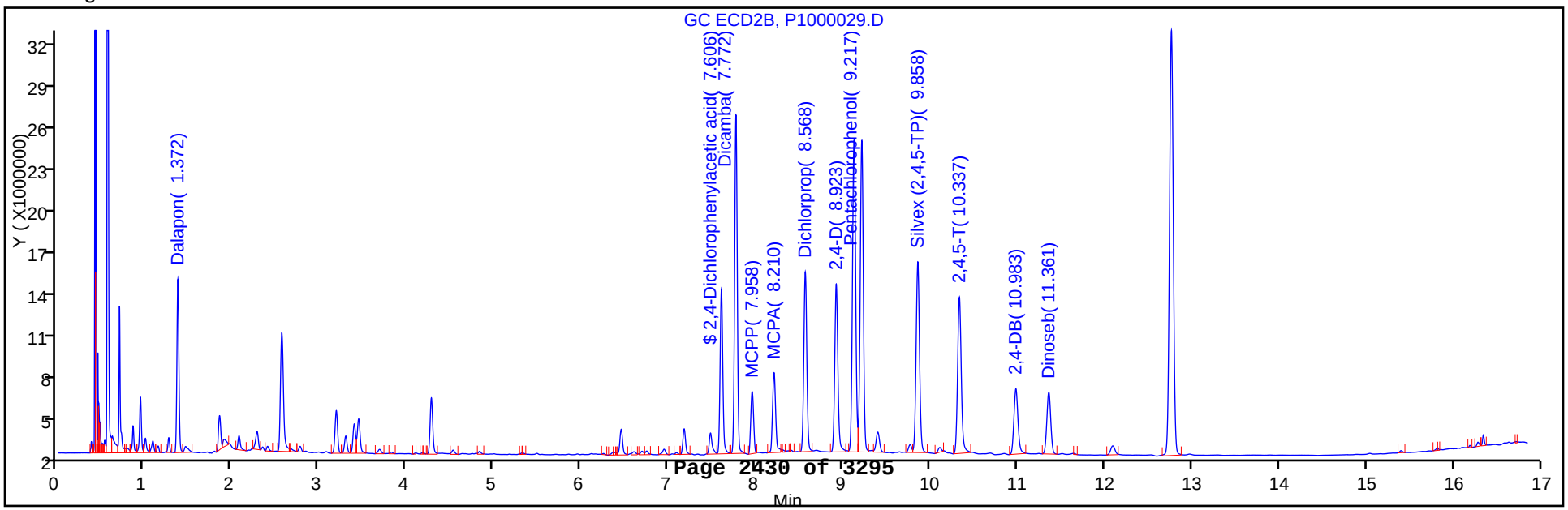
Data File: \\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000029.D

Injection Date:	25-Dec-2012 01:53:47	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70037	Lims Sample ID:	29
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-69372/22-A

Matrix: Water | Lab File ID: P1000029.D

Analysis Method: 8151/DOD | Date Collected:

Extraction Method: 8151A | Date Extracted: 12/19/2012 09:51

Sample wt/vol: 500(mL) | Date Analyzed: 12/25/2012 01:53

Con. Extract Vol.: 100(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70037 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	93		32-112

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000029.D
Lims ID: LCS 240-69372/22-A Client ID:
Inject. Date: 25-Dec-2012 01:53:47 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0016161-029
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 29
Lims Batch ID: 70037 Lims Sample ID: 29
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP1\20121224-16161.b\8151_1.m
Last Update: 26-Dec-2012 12:33:27 Calib Date: 03-Dec-2012 19:52:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.244	1.241	0.003	31229677	0.0683	
2	1.372	1.372	0.000	12197494	0.0840	
					RPD = 20.60	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.973	6.971	0.002	25827659	0.1733	
2	7.606	7.607	-0.001	11578775	0.1865	
					RPD = 7.37	
6 Dicamba						
1	7.139	7.136	0.003	54243268	0.0878	
2	7.772	7.774	-0.002	23824801	0.0932	
					RPD = 5.95	
10 MCPP						
1	7.424	7.421	0.003	10840888	19.3	
2	7.958	7.959	-0.001	4373789	18.3	
					RPD = 5.13	
9 MCPA						
1	7.587	7.585	0.002	12950858	17.9	
2	8.210	8.210	0.000	5625167	18.6	
					RPD = 4.20	
7 Dichlorprop						
1	7.957	7.955	0.002	30370216	0.2194	
2	8.568	8.570	-0.002	12649922	0.2400	
					RPD = 8.96	
2 2,4-D						
1	8.194	8.194	0.000	27659681	0.1837	
2	8.923	8.925	-0.002	11819052	0.1906	
					RPD = 3.67	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.284	8.283	0.001	55739483	0.0329	
2	9.217	9.218	-0.001	21924248	0.0301	
					RPD = 8.74	
12 Silvex (2,4,5-TP)						
1	9.071	9.069	0.002	33941848	0.0445	
2	9.858	9.860	-0.002	13423604	0.0473	
					RPD = 6.16	
1 2,4,5-T						
1	9.385	9.385	0.000	27272444	0.0444	
2	10.337	10.337	0.000	10994509	0.0453	
					RPD = 1.97	
3 2,4-DB						
1	10.014	10.013	0.001	11216439	0.1757	
2	10.983	10.987	-0.004	4602246	0.1733	
					RPD = 1.39	
8 Dinoseb						
1	11.224	11.220	0.004	10953069	0.0217	
2	11.361	11.364	-0.003	4336399	0.0224	
					RPD = 3.51	

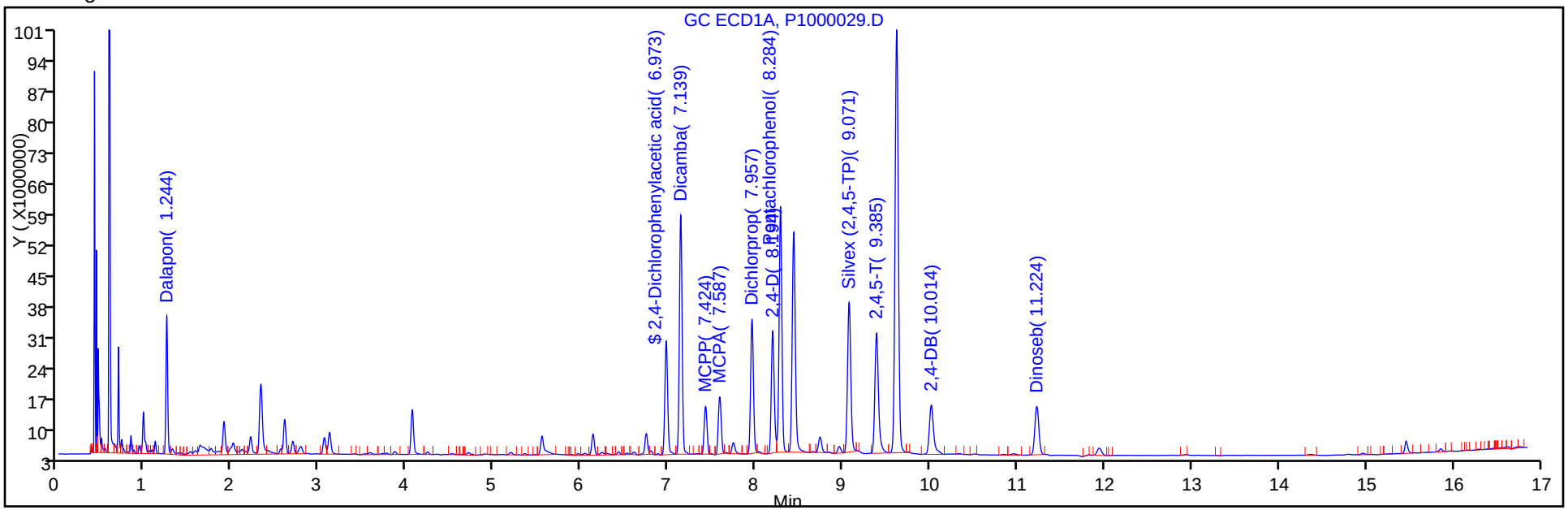
Report Date: 26-Dec-2012 12:33:38 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

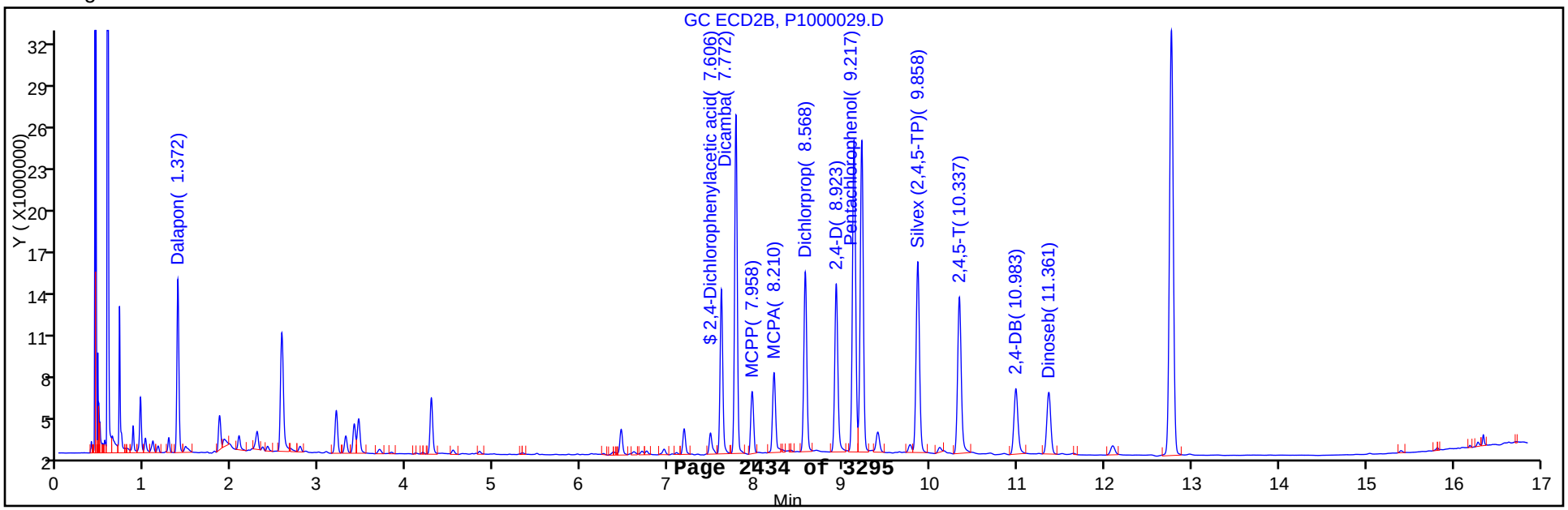
Data File: \\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000029.D

Injection Date:	25-Dec-2012 01:53:47	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70037	Lims Sample ID:	29
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-70010/5-A

Matrix: Solid | Lab File ID: P1000033.D

Analysis Method: 8151/DOD | Date Collected:

Extraction Method: 8151A | Date Extracted: 12/24/2012 10:38

Sample wt/vol: 100(mL) | Date Analyzed: 01/01/2013 01:51

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70766 | Units: mg/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	78		37-116

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000033.D		
Lims ID:	LCS 240-70010/5-A	Client ID:	
Inject. Date:	01-Jan-2013 01:51:16	Dil. Factor:	1.0000
Sample Type:	LCS		
Sample ID:	240-0016320-033		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	33
Lims Batch ID:	70766	Lims Sample ID:	33
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\8151_1.m		
Last Update:	07-Jan-2013 13:46:48	Calib Date:	31-Dec-2012 16:50:57
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000010.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK030		

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 4 2,4-Dichlorophenylacetic acid						
1	6.964	6.961	0.003	23380957	0.1568	
2	7.617	7.613	0.004	9068351	0.1461	
					RPD = 7.11	
2 2,4-D						
1	8.184	8.185	-0.001	25752341	0.1711	
2	8.933	8.933	0.000	9575386	0.1544	
					RPD = 10.22	
12 Silvex (2,4,5-TP)						
1	9.056	9.060	-0.004	31840729	0.0417	
2	9.869	9.869	0.000	13174771	0.0464	
					RPD = 10.67	

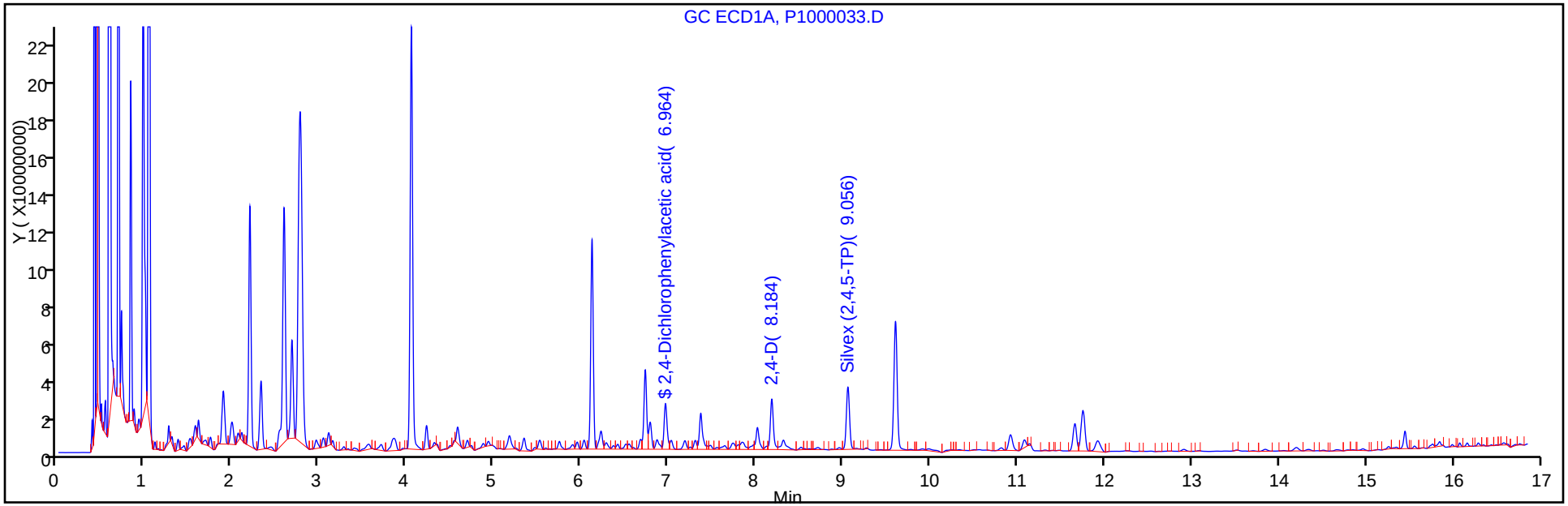
Report Date: 07-Jan-2013 13:47:01 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

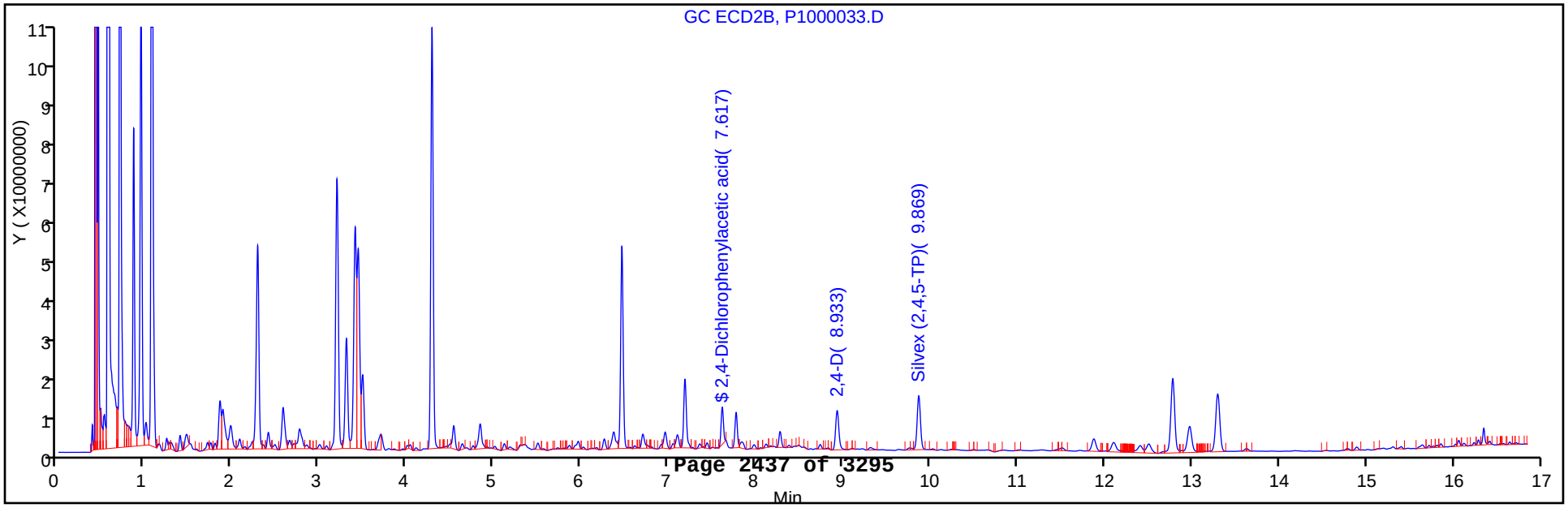
Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000033.D

Injection Date:	01-Jan-2013 01:51:16	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70766	Lims Sample ID:	33
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-70010/5-A

Matrix: Solid | Lab File ID: P1000033.D

Analysis Method: 8151/DOD | Date Collected:

Extraction Method: 8151A | Date Extracted: 12/24/2012 10:38

Sample wt/vol: 100(mL) | Date Analyzed: 01/01/2013 01:51

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70766 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
94-75-7	2,4-D	0.0154	J	0.25	0.00025	0.00021
93-72-1	Silvex (2,4,5-TP)	0.00464	J	0.050	0.00010	0.00010

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	73		37-116

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000033.D		
Lims ID:	LCS 240-70010/5-A	Client ID:	
Inject. Date:	01-Jan-2013 01:51:16	Dil. Factor:	1.0000
Sample Type:	LCS		
Sample ID:	240-0016320-033		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	33
Lims Batch ID:	70766	Lims Sample ID:	33
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\8151_1.m		
Last Update:	07-Jan-2013 13:46:48	Calib Date:	31-Dec-2012 16:50:57
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000010.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK030		

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 4 2,4-Dichlorophenylacetic acid						
1	6.964	6.961	0.003	23380957	0.1568	
2	7.617	7.613	0.004	9068351	0.1461	
					RPD = 7.11	
2 2,4-D						
1	8.184	8.185	-0.001	25752341	0.1711	
2	8.933	8.933	0.000	9575386	0.1544	
					RPD = 10.22	
12 Silvex (2,4,5-TP)						
1	9.056	9.060	-0.004	31840729	0.0417	
2	9.869	9.869	0.000	13174771	0.0464	
					RPD = 10.67	

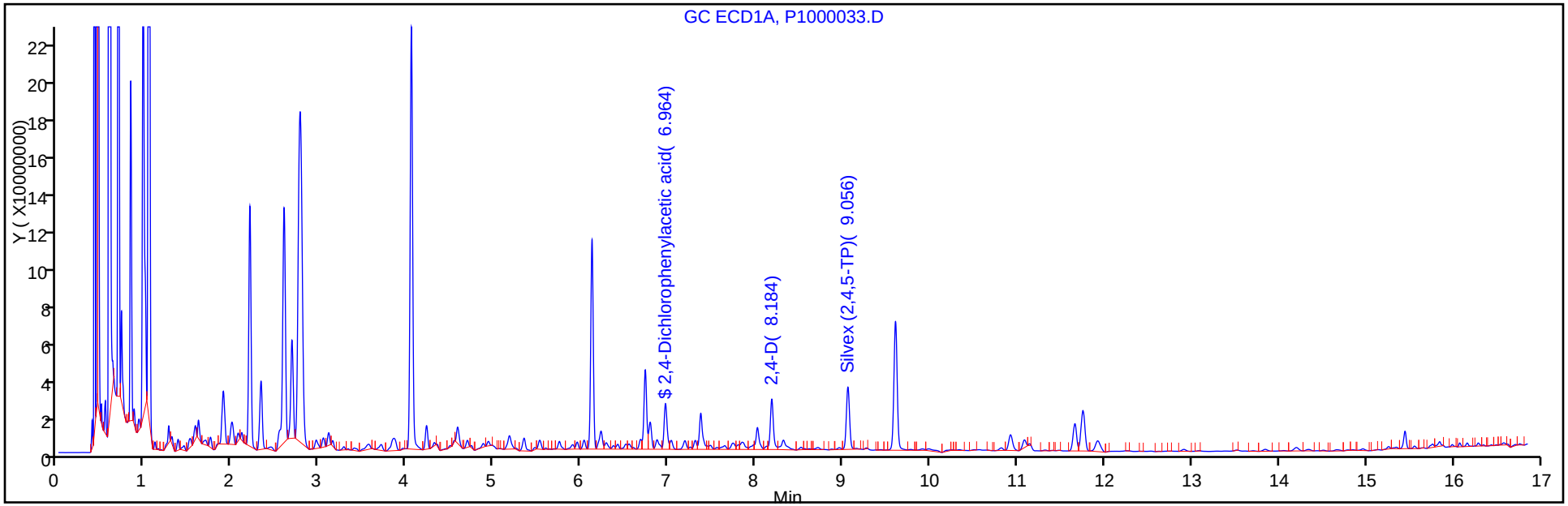
Report Date: 07-Jan-2013 13:47:01 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

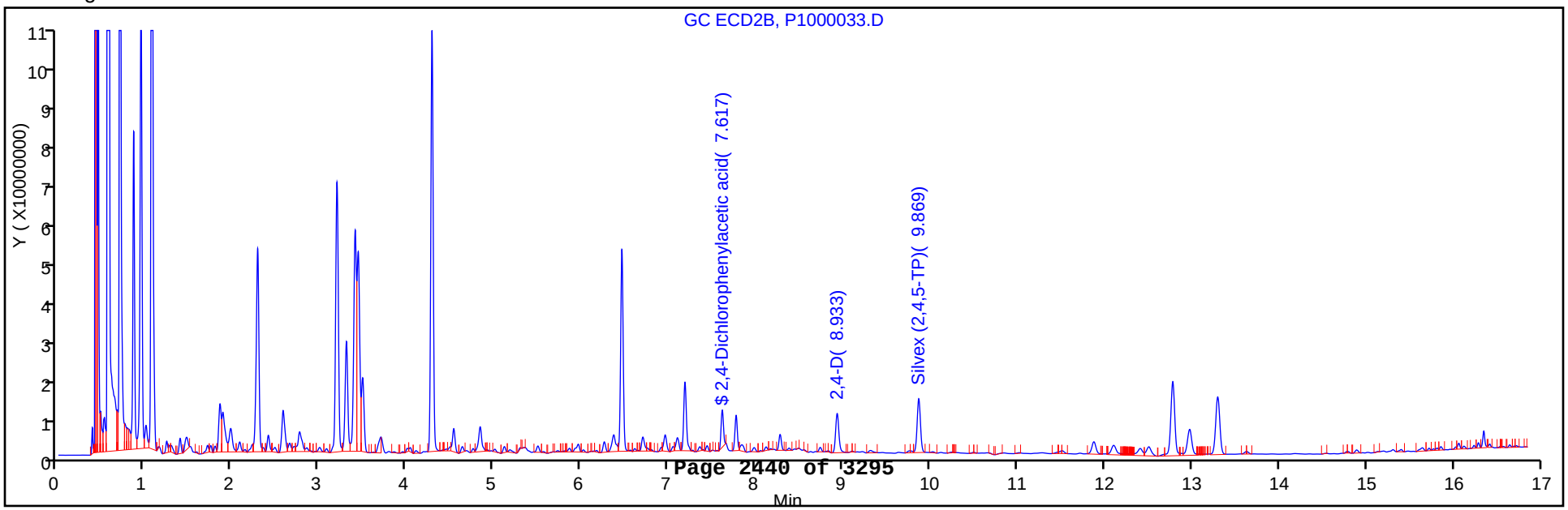
Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000033.D

Injection Date:	01-Jan-2013 01:51:16	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70766	Lims Sample ID:	33
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-70037/7

Matrix: Water | Lab File ID: P1000007.D

Analysis Method: 8151/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/24/2012 17:16

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70037 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
94-75-7	2,4-D	0.0211		0.0040	0.00050	0.00041
75-99-0	Dalapon	0.0115		0.0020	0.00020	0.00017
94-82-6	2,4-DB	0.0190		0.0040	0.0010	0.00069
1918-00-9	Dicamba	0.0120		0.0020	0.0010	0.00052
120-36-5	Dichlorprop	0.0254		0.0040	0.0010	0.00086
88-85-7	Dinoseb	0.00328		0.00060	0.00020	0.000087
94-74-6	MCPA	1.08	^	0.40	0.40	0.39
93-65-2	MCPP	1.13	^	0.40	0.40	0.40
87-86-5	Pentachlorophenol	0.000040	U	0.00010	0.000040	0.000024
93-72-1	Silvex (2,4,5-TP)	0.00530		0.0010	0.00020	0.00020
93-76-5	2,4,5-T	0.00469		0.0010	0.00050	0.00030

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	121	Q	32-112

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000007.D
Lims ID: MRL Client ID:
Inject. Date: 24-Dec-2012 17:16:28 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0016161-007
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 7
Lims Batch ID: 70037 Lims Sample ID: 7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP1\20121224-16161.b\8151_1.m
Last Update: 26-Dec-2012 13:46:40 Calib Date: 03-Dec-2012 19:52:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK029

First Level Reviewer: bolgrind Date: 26-Dec-2012 12:30:10

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.238	1.238	0.000	5265790	0.0115	
2	1.371	1.371	0.000	1737020	0.0120	
					RPD = 3.78	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.968	6.967	0.001	3609747	0.0242	
2	7.609	7.608	0.001	1509686	0.0243	
					RPD = 0.43	
6 Dicamba						
1	7.134	7.133	0.001	7445051	0.0120	
2	7.774	7.774	0.000	2956402	0.0116	
					RPD = 4.13	
10 MCPP						
1	7.419	7.418	0.001	1826831	1.13	
2	7.962	7.960	0.002	677664	1.04	
					RPD = 7.51	
9 MCPA						
1	7.581	7.580	0.001	2686144	1.08	
2	8.212	8.210	0.002	1047458	1.06	
					RPD = 2.21	
7 Dichlorprop						
1	7.952	7.950	0.002	3518472	0.0254	
2	8.570	8.570	0.000	1258267	0.0239	
					RPD = 6.28	
2 2,4-D						
1	8.194	8.190	0.004	3180606	0.0211	
2	8.930	8.926	0.004	1313931	0.0212	
					RPD = 0.30	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						1
1		8.278				
2		9.219				
12 Silvex (2,4,5-TP)						
1	9.068	9.064	0.004	4049193	0.005304	
2	9.864	9.860	0.004	1522653	0.005363	
					RPD = 1.11	
1 2,4,5-T						
1	9.386	9.380	0.006	2880779	0.004693	
2	10.342	10.338	0.004	1251961	0.005160	
					RPD = 9.48	
3 2,4-DB						
1	10.016	10.010	0.006	1213324	0.0190	
2	10.991	10.988	0.003	87908	0.003309	
					RPD = 140.68	
8 Dinoseb						M
1	11.218	11.216	0.002	1660942	0.003283	
2	11.365	11.365	0.000	626968	0.003242	M
					RPD = 1.26	

QC Flag Legend

Processing Flags
1 - Missing Peaks

Review Flags
M - Manually Integrated

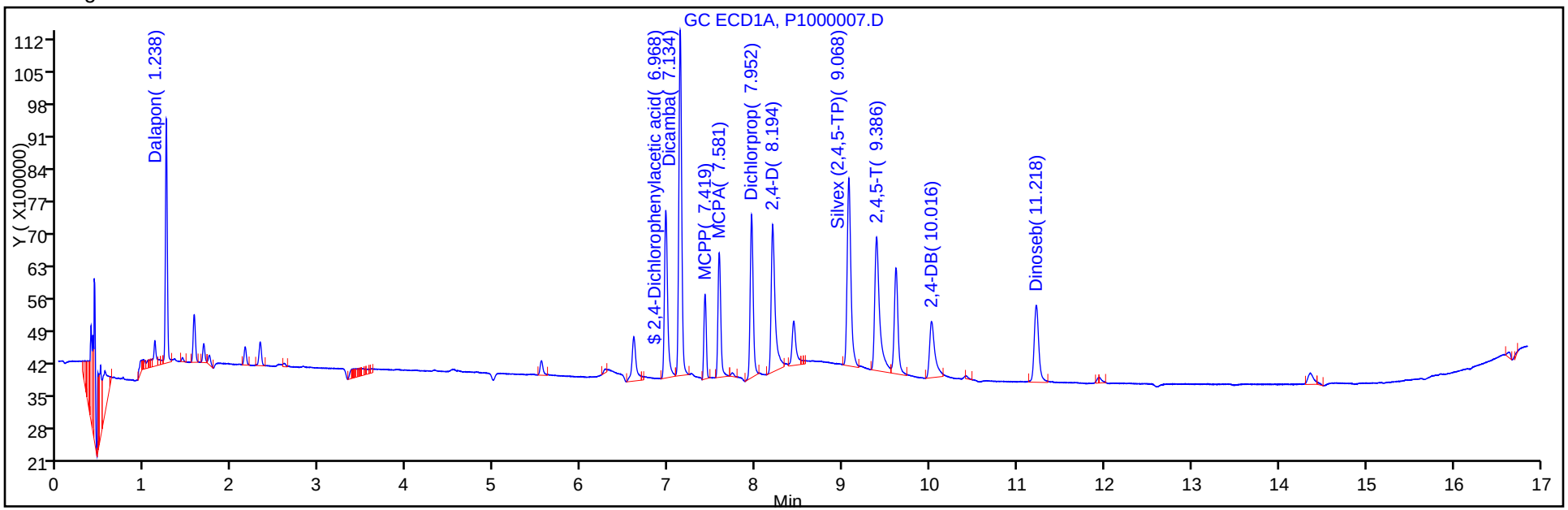
Report Date: 26-Dec-2012 13:46:40 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

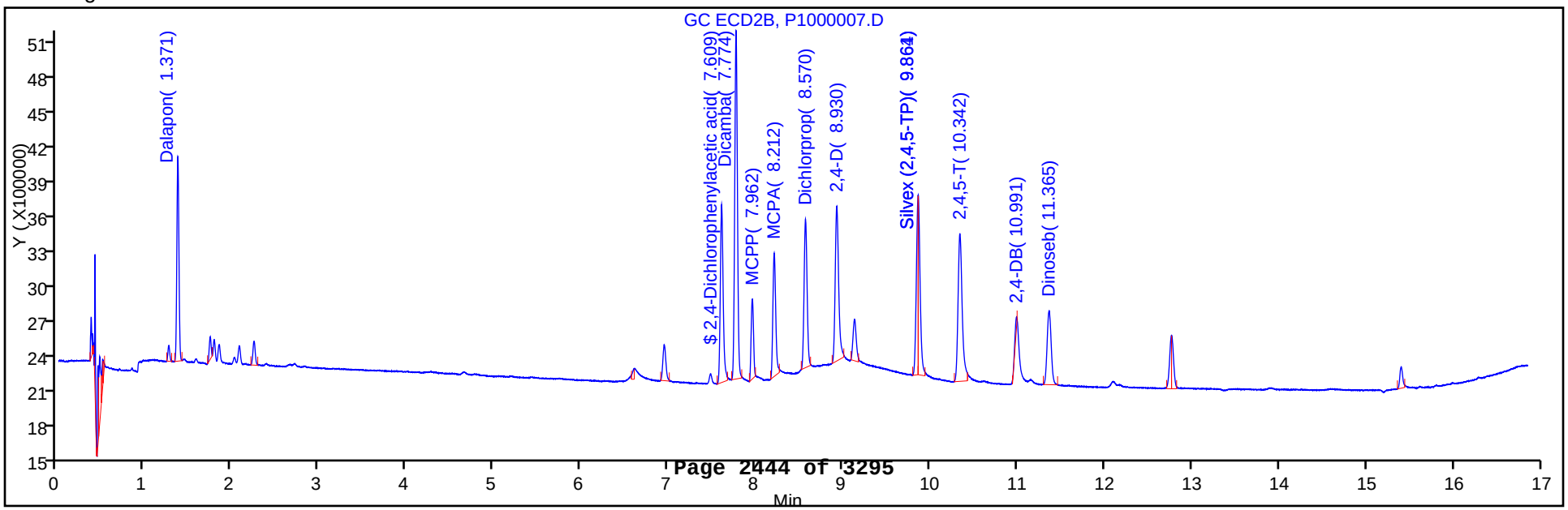
Data File: \\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000007.D

Injection Date:	24-Dec-2012 17:16:28	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70037	Lims Sample ID:	7
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



Manual Integration/User Assign Peak Report

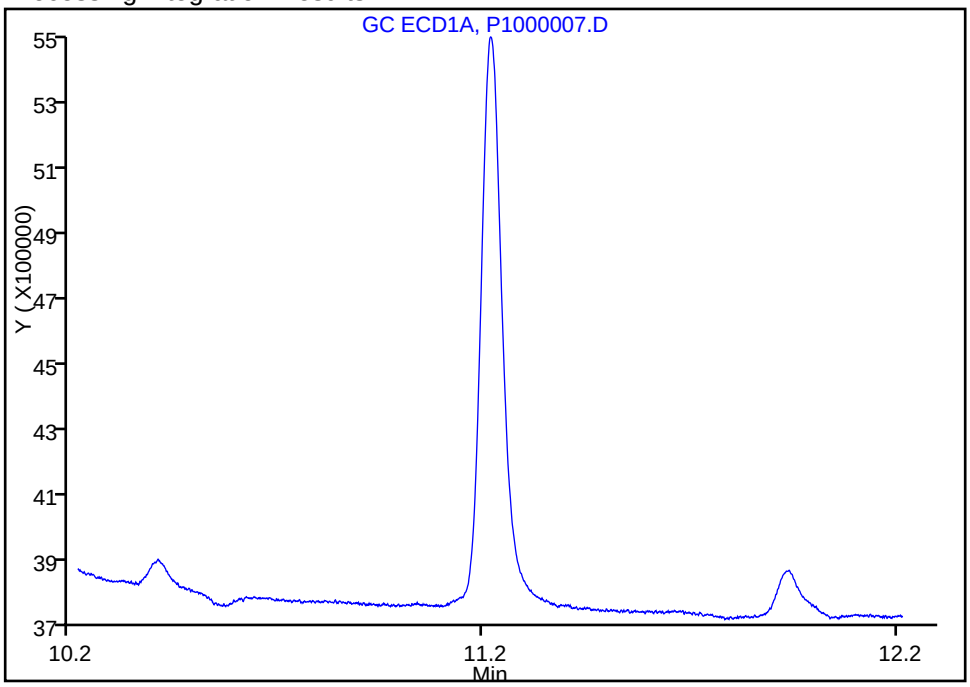
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000007.D		
Injection Date:	24-Dec-2012 17:16:28	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70037	Lims Sample ID:	7
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

8 Dinoseb, Signal: 1, Type: quant, RT: 11.22, Det: GC ECD1A

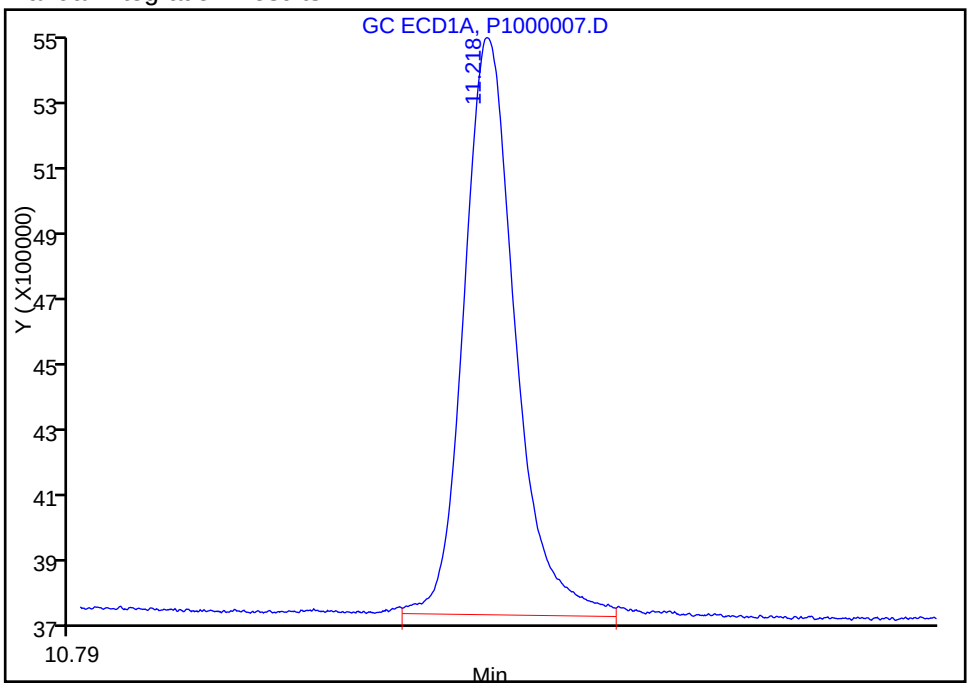
Not Detected
Expected RT: 11.22

Processing Integration Results



Manual Integration Results

RT: 11.22
Response: 1660942
Amount: 0.003283



Reviewer: bolgrind, 26-Dec-2012 12:30:10
Audit Action: Assigned Compound ID
Audit Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-70037/7

Matrix: Water | Lab File ID: P1000007.D

Analysis Method: 8151/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/24/2012 17:16

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70037 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
94-75-7	*2,4-D*	*0.0212*		*0.0040*	0.00050	*0.00041*
75-99-0	*Dalapon*	*0.0120*		*0.0020*	0.00020	*0.00017*
94-82-6	*2,4-DB*	*0.00331*	*J ^*	*0.0040*	0.0010	*0.00069*
1918-00-9	*Dicamba*	*0.0116*		*0.0020*	0.0010	*0.00052*
120-36-5	*Dichlorprop*	*0.0239*		*0.0040*	0.0010	*0.00086*
88-85-7	*Dinoseb*	*0.00324*	*M*	*0.00060*	0.00020	*0.000087*
94-74-6	*MCPA*	*1.06*	^	*0.40*	0.40	*0.39*
93-65-2	*MCPP*	*1.04*	^	*0.40*	0.40	*0.40*
87-86-5	*Pentachlorophenol*	*0.000040*	*U*	*0.00010*	0.000040	*0.000024*
93-72-1	*Silvex (2,4,5-TP)*	*0.00536*		*0.0010*	0.00020	*0.00020*
93-76-5	*2,4,5-T*	*0.00516*		*0.0010*	0.00050	*0.00030*

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	122	*Q*	32-112

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000007.D
Lims ID: MRL Client ID:
Inject. Date: 24-Dec-2012 17:16:28 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0016161-007
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 7
Lims Batch ID: 70037 Lims Sample ID: 7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP1\20121224-16161.b\8151_1.m
Last Update: 26-Dec-2012 13:46:40 Calib Date: 03-Dec-2012 19:52:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK029

First Level Reviewer: bolgrind Date: 26-Dec-2012 12:30:10

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.238	1.238	0.000	5265790	0.0115	
2	1.371	1.371	0.000	1737020	0.0120	
					RPD = 3.78	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.968	6.967	0.001	3609747	0.0242	
2	7.609	7.608	0.001	1509686	0.0243	
					RPD = 0.43	
6 Dicamba						
1	7.134	7.133	0.001	7445051	0.0120	
2	7.774	7.774	0.000	2956402	0.0116	
					RPD = 4.13	
10 MCPP						
1	7.419	7.418	0.001	1826831	1.13	
2	7.962	7.960	0.002	677664	1.04	
					RPD = 7.51	
9 MCPA						
1	7.581	7.580	0.001	2686144	1.08	
2	8.212	8.210	0.002	1047458	1.06	
					RPD = 2.21	
7 Dichlorprop						
1	7.952	7.950	0.002	3518472	0.0254	
2	8.570	8.570	0.000	1258267	0.0239	
					RPD = 6.28	
2 2,4-D						
1	8.194	8.190	0.004	3180606	0.0211	
2	8.930	8.926	0.004	1313931	0.0212	
					RPD = 0.30	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						1
1		8.278				
2		9.219				
12 Silvex (2,4,5-TP)						
1	9.068	9.064	0.004	4049193	0.005304	
2	9.864	9.860	0.004	1522653	0.005363	
					RPD = 1.11	
1 2,4,5-T						
1	9.386	9.380	0.006	2880779	0.004693	
2	10.342	10.338	0.004	1251961	0.005160	
					RPD = 9.48	
3 2,4-DB						
1	10.016	10.010	0.006	1213324	0.0190	
2	10.991	10.988	0.003	87908	0.003309	
					RPD = 140.68	
8 Dinoseb						M
1	11.218	11.216	0.002	1660942	0.003283	
2	11.365	11.365	0.000	626968	0.003242	M
					RPD = 1.26	

QC Flag Legend

Processing Flags
1 - Missing Peaks

Review Flags
M - Manually Integrated

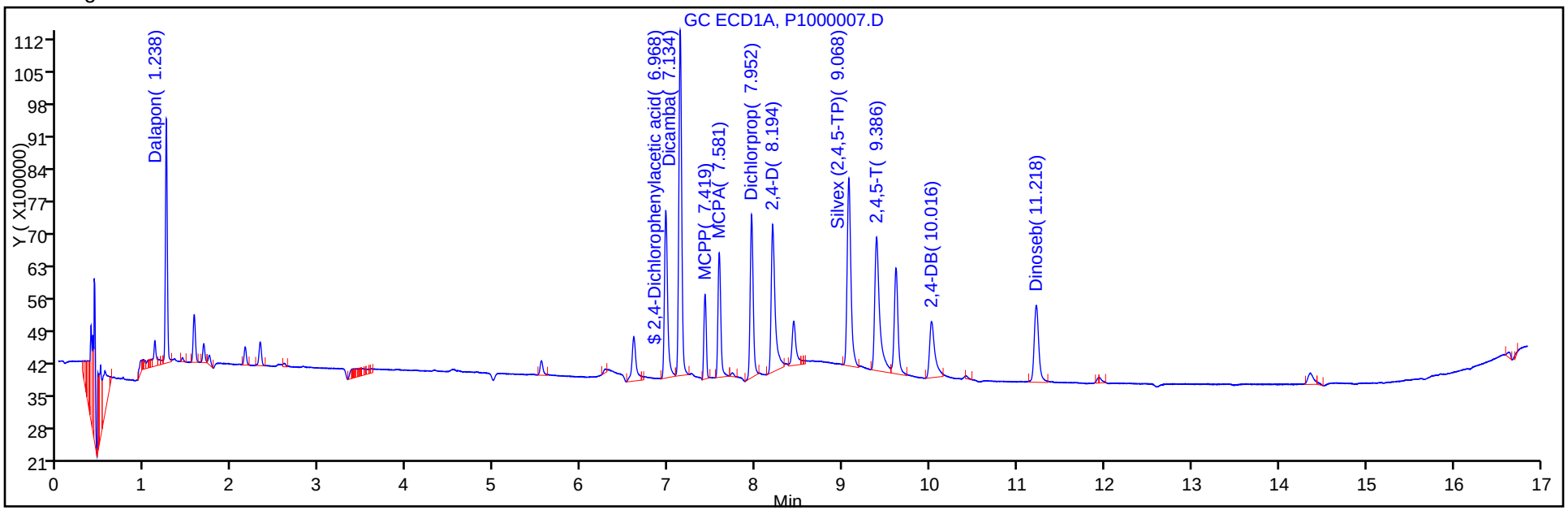
Report Date: 26-Dec-2012 13:46:40 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

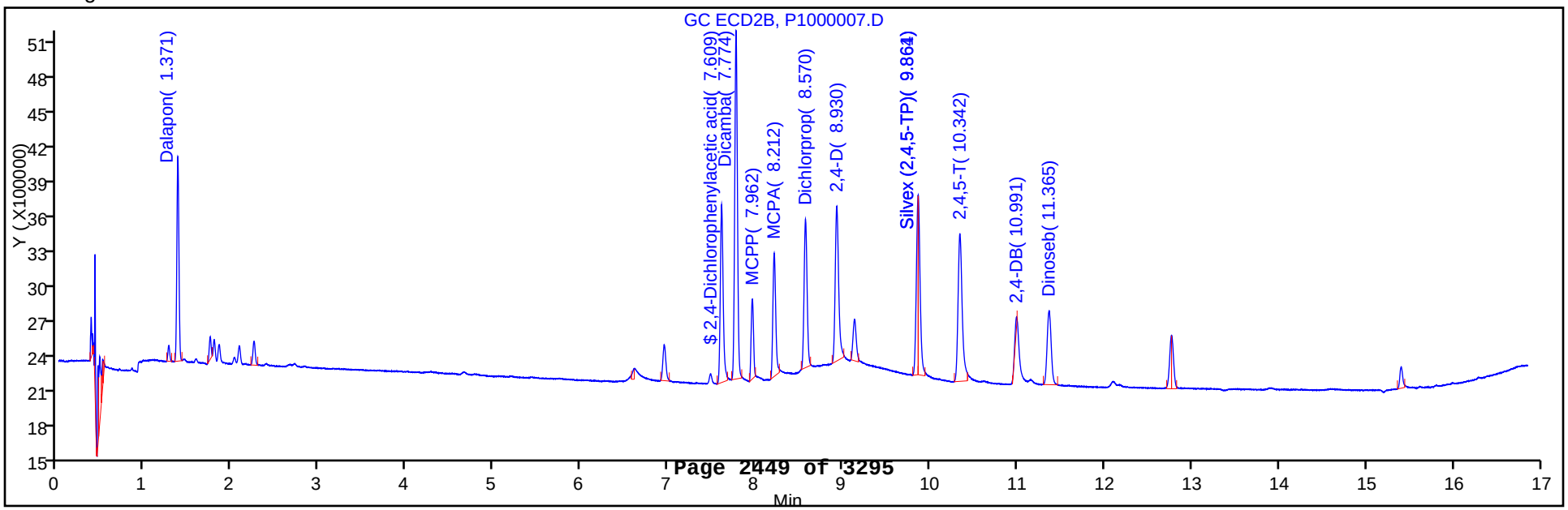
Data File: \\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000007.D

Injection Date:	24-Dec-2012 17:16:28	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70037	Lims Sample ID:	7
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



Manual Integration/User Assign Peak Report

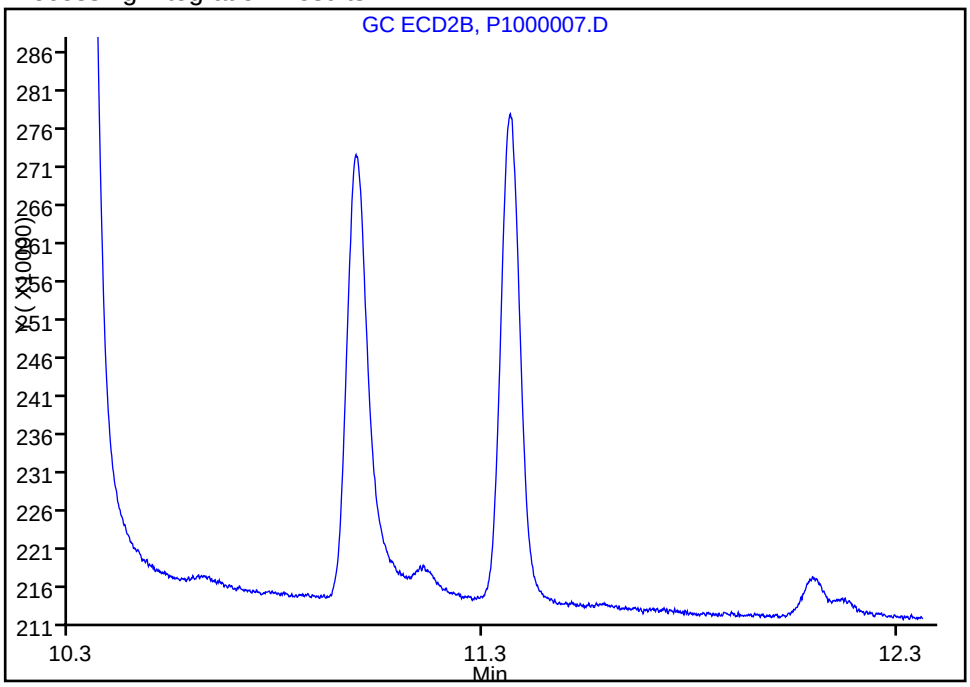
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000007.D		
Injection Date:	24-Dec-2012 17:16:28	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70037	Lims Sample ID:	7
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

8 Dinoseb, Signal: 2, Type: quant, RT: 11.37, Det: GC ecd2b

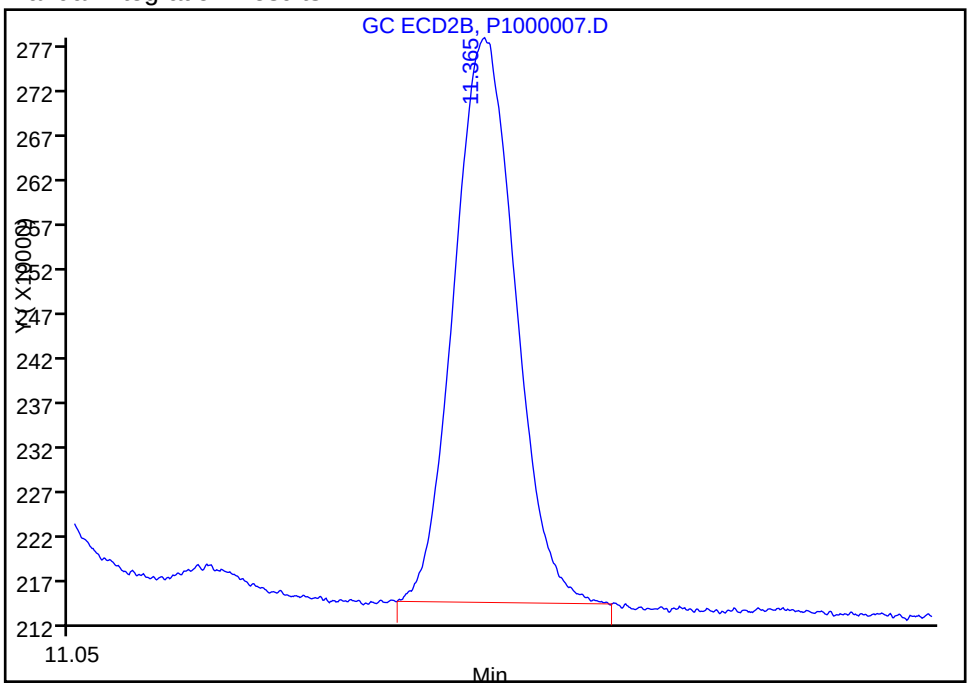
Processing Integration Results

Not Detected
Expected RT: 11.37



Manual Integration Results

RT: 11.37
Response: 626968
Amount: 0.003242



Reviewer: bolgrind, 26-Dec-2012 12:30:10
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-70037/32

Matrix: Water Lab File ID: P1000032.D

Analysis Method: 8151/DOD Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 12/25/2012 03:04

Con. Extract Vol.: 1.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 70037 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
94-75-7	2,4-D	0.0219		0.0040	0.00050	0.00041
75-99-0	Dalapon	0.0114		0.0020	0.00020	0.00017
94-82-6	2,4-DB	0.0202		0.0040	0.0010	0.00069
1918-00-9	Dicamba	0.0124		0.0020	0.0010	0.00052
120-36-5	Dichlorprop	0.0262	^	0.0040	0.0010	0.00086
88-85-7	Dinoseb	0.00358		0.00060	0.00020	0.000087
94-74-6	MCPA	1.30	^	0.40	0.40	0.39
93-65-2	MCPP	1.28	^	0.40	0.40	0.40
87-86-5	Pentachlorophenol	0.000040	U	0.00010	0.000040	0.000024
93-72-1	Silvex (2,4,5-TP)	0.00547		0.0010	0.00020	0.00020
93-76-5	2,4,5-T	0.00495		0.0010	0.00050	0.00030

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	128	Q	32-112

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000032.D
Lims ID: MRL Client ID:
Inject. Date: 25-Dec-2012 03:04:18 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0016161-032
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 32
Lims Batch ID: 70037 Lims Sample ID: 32
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP1\20121224-16161.b\8151_1.m
Last Update: 26-Dec-2012 13:46:31 Calib Date: 03-Dec-2012 19:52:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK029

First Level Reviewer: bolgrind Date: 26-Dec-2012 12:27:18

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.245	1.245	0.000	5215838	0.0114	
2	1.372	1.371	0.001	1846844	0.0127	
					RPD = 10.86	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.977	6.975	0.002	3804267	0.0255	
2	7.608	7.607	0.001	1560159	0.0251	
					RPD = 1.53	
6 Dicamba						
1	7.143	7.141	0.002	7671182	0.0124	
2	7.773	7.773	0.000	3028451	0.0118	
					RPD = 4.72	
10 MCPP						
1	7.427	7.425	0.002	1907442	1.28	
2	7.960	7.960	0.000	747180	1.35	
					RPD = 5.74	
9 MCPA						
1	7.591	7.588	0.003	2825186	1.30	
2	8.212	8.210	0.002	1118789	1.33	
					RPD = 2.69	
7 Dichlorprop						
1	7.962	7.959	0.003	3622634	0.0262	
2	8.572	8.569	0.003	1345483	0.0255	
					RPD = 2.50	
2 2,4-D						
1	8.204	8.197	0.007	3297805	0.0219	
2	8.927	8.925	0.002	1454143	0.0235	
					RPD = 6.81	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						1
1		8.287				
2		9.217				
12 Silvex (2,4,5-TP)						
1	9.077	9.074	0.003	4172927	0.005466	
2	9.862	9.860	0.002	1603579	0.005648	
					RPD = 3.28	
1 2,4,5-T						
1	9.397	9.390	0.007	3040985	0.004954	
2	10.340	10.338	0.002	1321192	0.005446	
					RPD = 9.45	
3 2,4-DB						
1	10.027	10.019	0.008	1292699	0.0202	
2	10.990	10.985	0.005	584403	0.0220	
					RPD = 8.30	
8 Dinoseb						M
1	11.228	11.226	0.002	1812419	0.003583	
2	11.362	11.362	0.000	679549	0.003514	M
					RPD = 1.93	

QC Flag Legend

Processing Flags
1 - Missing Peaks

Review Flags
M - Manually Integrated

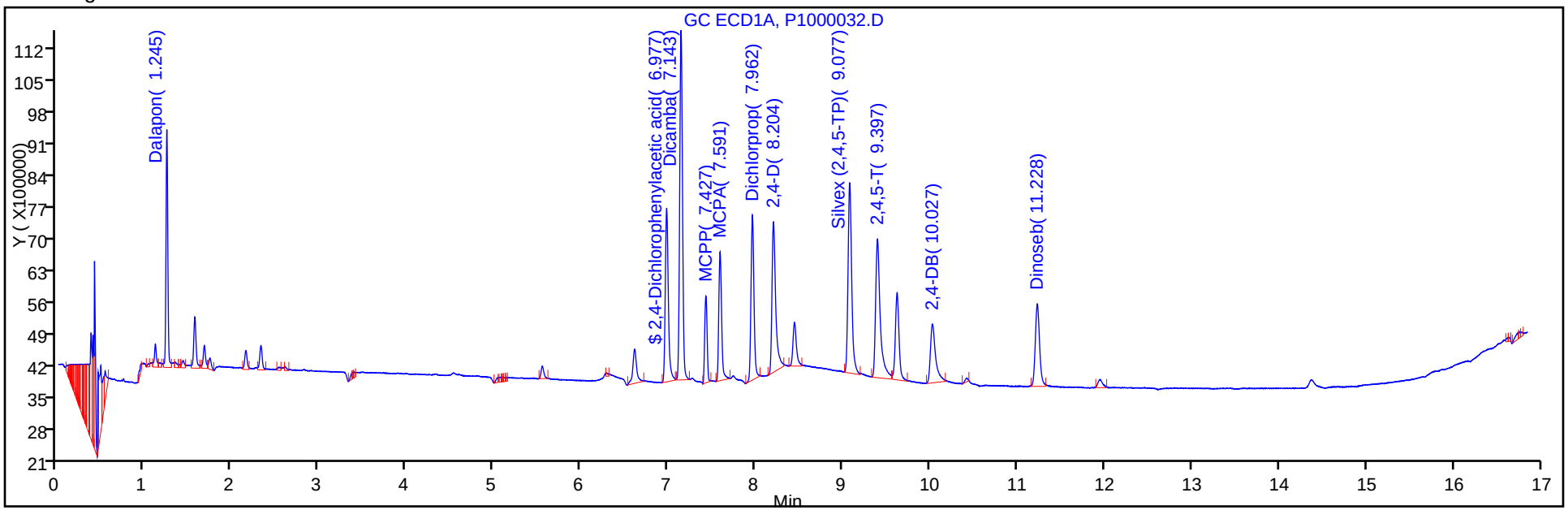
Report Date: 26-Dec-2012 13:46:32 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

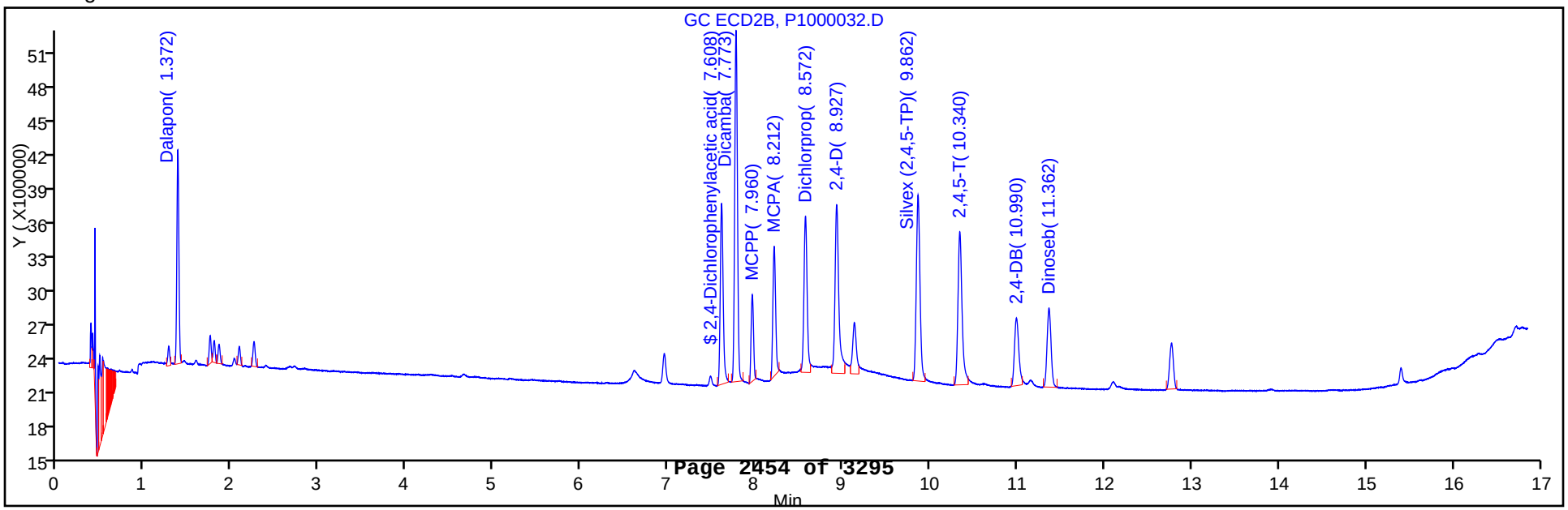
Data File: \\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000032.D

Injection Date:	25-Dec-2012 03:04:18	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70037	Lims Sample ID:	32
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



Manual Integration/User Assign Peak Report

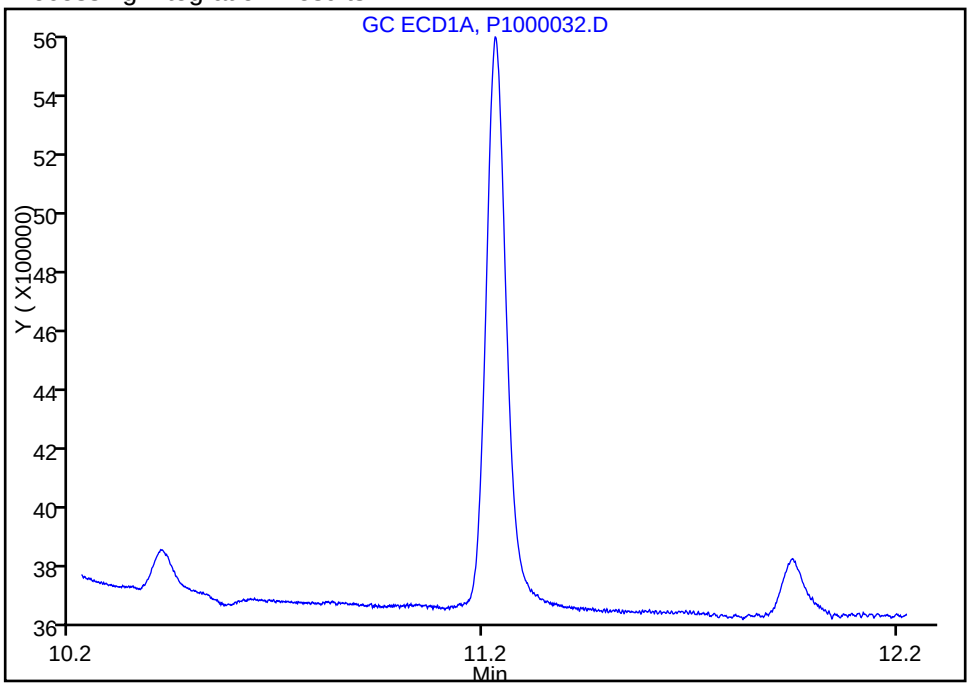
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000032.D		
Injection Date:	25-Dec-2012 03:04:18	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70037	Lims Sample ID:	32
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

8 Dinoseb, Signal: 1, Type: quant, RT: 11.23, Det: GC ECD1A

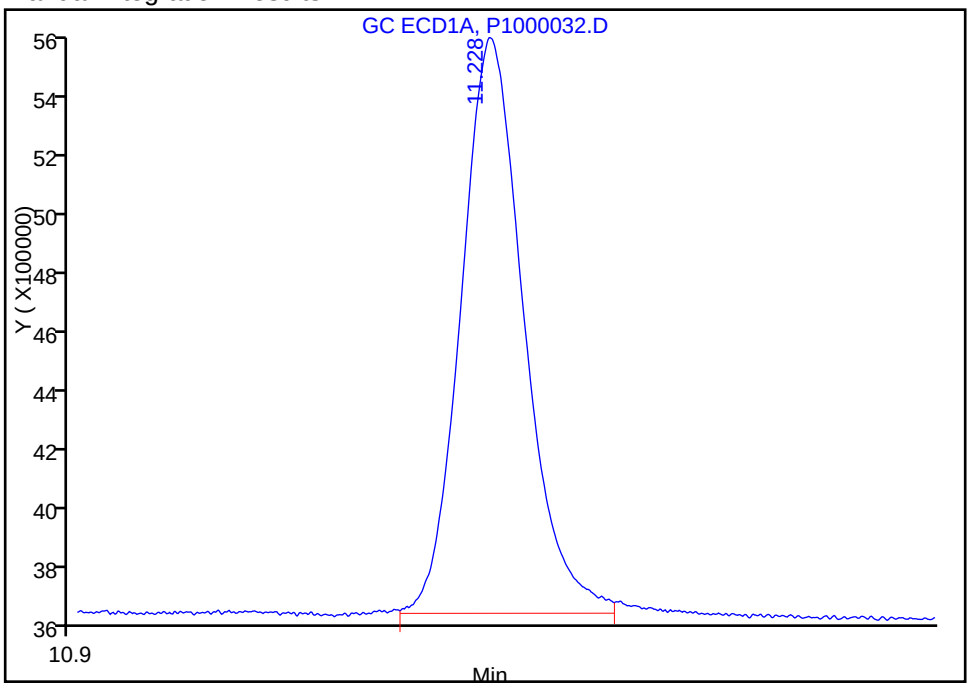
Not Detected
Expected RT: 11.23

Processing Integration Results



Manual Integration Results

RT: 11.23
Response: 1812419
Amount: 0.003583



Reviewer: bolgrind, 26-Dec-2012 12:27:18
Audit Action: Assigned Compound ID
Audit Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-70037/32

Matrix: Water | Lab File ID: P1000032.D

Analysis Method: 8151/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/25/2012 03:04

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70037 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
94-75-7	*2,4-D*	*0.0235*		*0.0040*	0.00050	*0.00041*
75-99-0	*Dalapon*	*0.0127*		*0.0020*	0.00020	*0.00017*
94-82-6	*2,4-DB*	*0.0220*		*0.0040*	0.0010	*0.00069*
1918-00-9	*Dicamba*	*0.0118*		*0.0020*	0.0010	*0.00052*
120-36-5	*Dichlorprop*	*0.0255*		*0.0040*	0.0010	*0.00086*
88-85-7	*Dinoseb*	*0.00351*	*M*	*0.00060*	0.00020	*0.000087*
94-74-6	*MCPA*	*1.33*	^	*0.40*	0.40	*0.39*
93-65-2	*MCPP*	*1.35*	^	*0.40*	0.40	*0.40*
87-86-5	*Pentachlorophenol*	*0.000040*	*U*	*0.00010*	0.000040	*0.000024*
93-72-1	*Silvex (2,4,5-TP)*	*0.00565*		*0.0010*	0.00020	*0.00020*
93-76-5	*2,4,5-T*	*0.00545*		*0.0010*	0.00050	*0.00030*

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	126	*Q*	32-112

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000032.D
Lims ID: MRL Client ID:
Inject. Date: 25-Dec-2012 03:04:18 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0016161-032
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 32
Lims Batch ID: 70037 Lims Sample ID: 32
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP1\20121224-16161.b\8151_1.m
Last Update: 26-Dec-2012 13:46:31 Calib Date: 03-Dec-2012 19:52:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK029

First Level Reviewer: bolgrind Date: 26-Dec-2012 12:27:18

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.245	1.245	0.000	5215838	0.0114	
2	1.372	1.371	0.001	1846844	0.0127	
					RPD = 10.86	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.977	6.975	0.002	3804267	0.0255	
2	7.608	7.607	0.001	1560159	0.0251	
					RPD = 1.53	
6 Dicamba						
1	7.143	7.141	0.002	7671182	0.0124	
2	7.773	7.773	0.000	3028451	0.0118	
					RPD = 4.72	
10 MCPP						
1	7.427	7.425	0.002	1907442	1.28	
2	7.960	7.960	0.000	747180	1.35	
					RPD = 5.74	
9 MCPA						
1	7.591	7.588	0.003	2825186	1.30	
2	8.212	8.210	0.002	1118789	1.33	
					RPD = 2.69	
7 Dichlorprop						
1	7.962	7.959	0.003	3622634	0.0262	
2	8.572	8.569	0.003	1345483	0.0255	
					RPD = 2.50	
2 2,4-D						
1	8.204	8.197	0.007	3297805	0.0219	
2	8.927	8.925	0.002	1454143	0.0235	
					RPD = 6.81	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						1
1		8.287				
2		9.217				
12 Silvex (2,4,5-TP)						
1	9.077	9.074	0.003	4172927	0.005466	
2	9.862	9.860	0.002	1603579	0.005648	
					RPD = 3.28	
1 2,4,5-T						
1	9.397	9.390	0.007	3040985	0.004954	
2	10.340	10.338	0.002	1321192	0.005446	
					RPD = 9.45	
3 2,4-DB						
1	10.027	10.019	0.008	1292699	0.0202	
2	10.990	10.985	0.005	584403	0.0220	
					RPD = 8.30	
8 Dinoseb						M
1	11.228	11.226	0.002	1812419	0.003583	
2	11.362	11.362	0.000	679549	0.003514	M
					RPD = 1.93	

QC Flag Legend

Processing Flags
1 - Missing Peaks

Review Flags
M - Manually Integrated

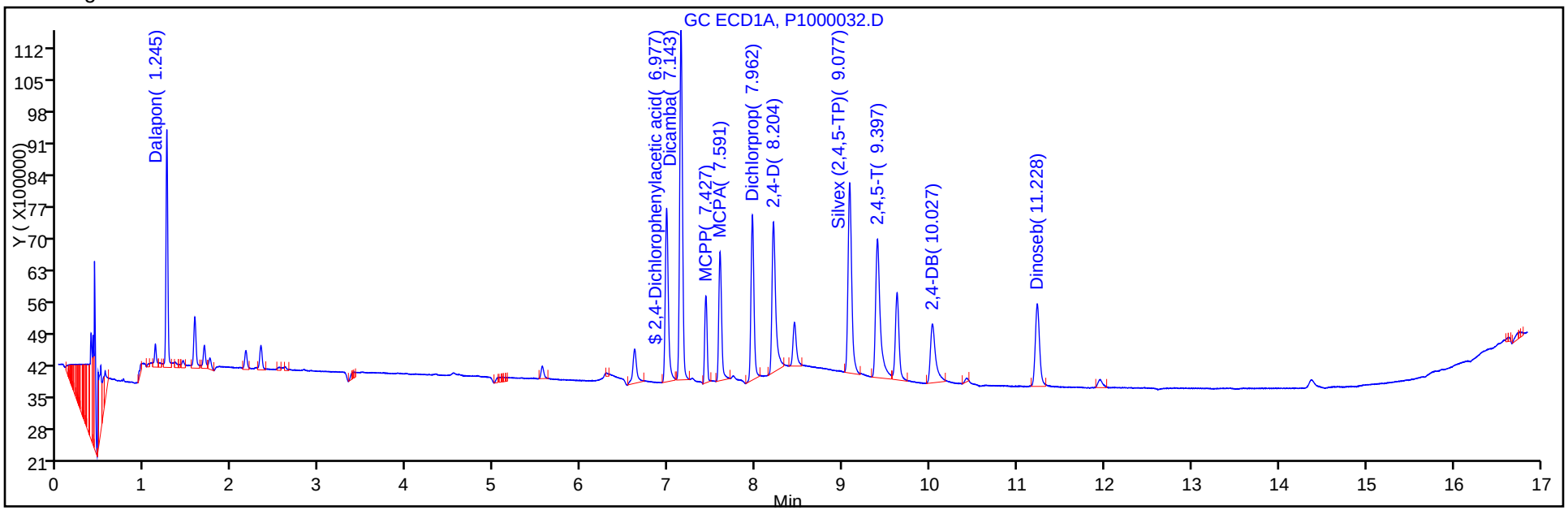
Report Date: 26-Dec-2012 13:46:32 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

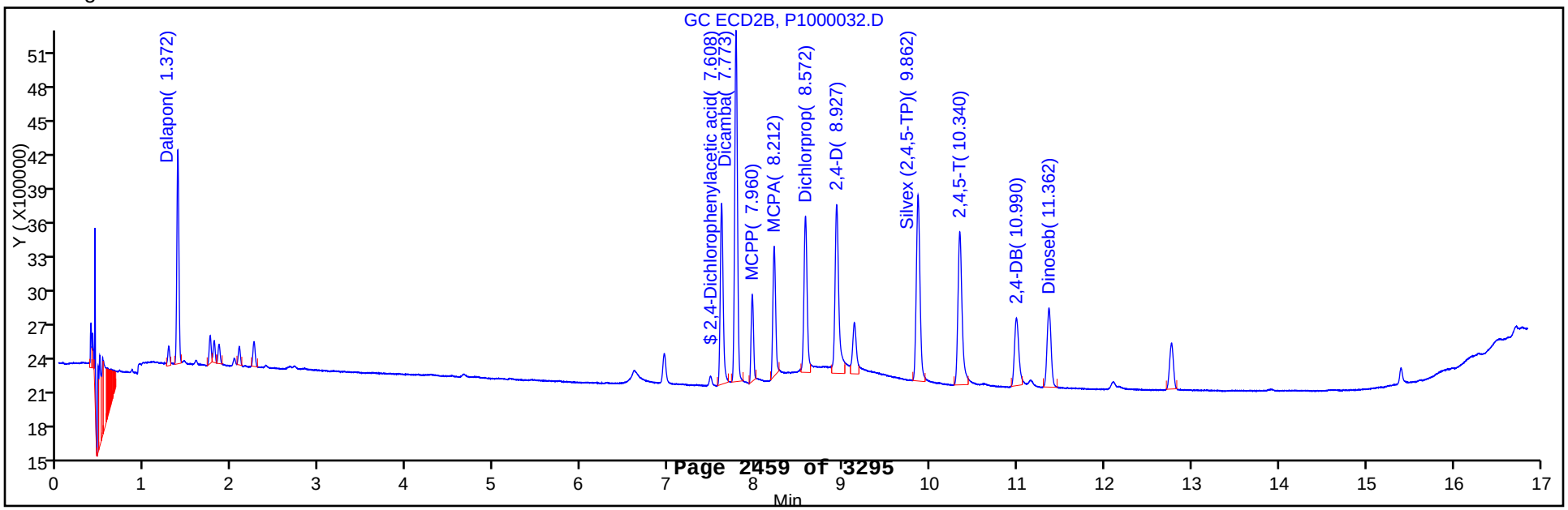
Data File: \\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000032.D

Injection Date:	25-Dec-2012 03:04:18	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70037	Lims Sample ID:	32
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



Manual Integration/User Assign Peak Report

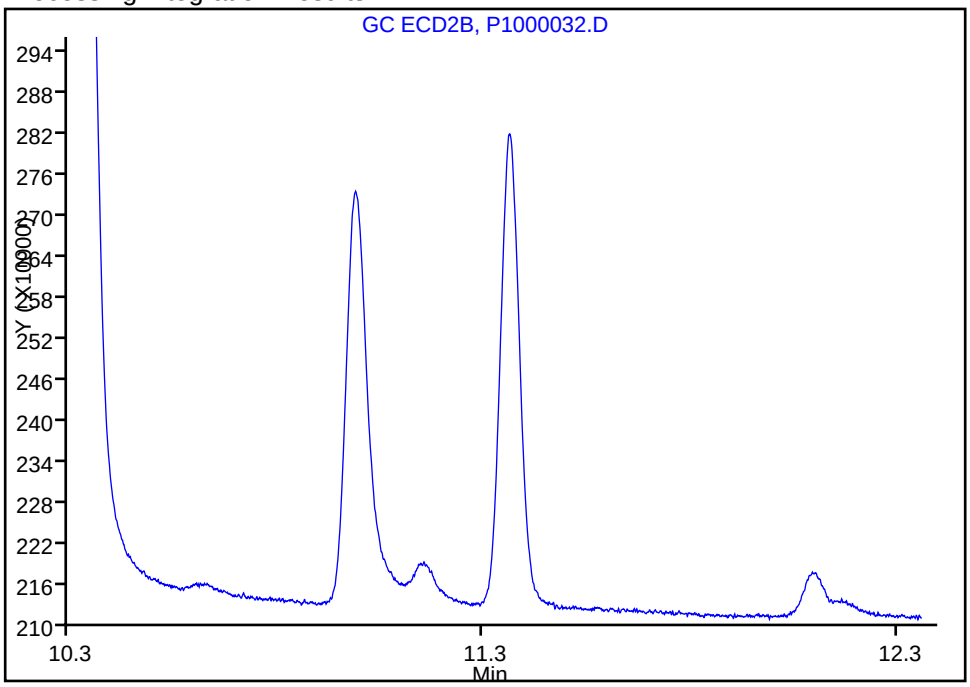
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP1\20121224-16161.b\P1000032.D		
Injection Date:	25-Dec-2012 03:04:18	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70037	Lims Sample ID:	32
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

8 Dinoseb, Signal: 2, Type: quant, RT: 11.36, Det: GC ecd2b

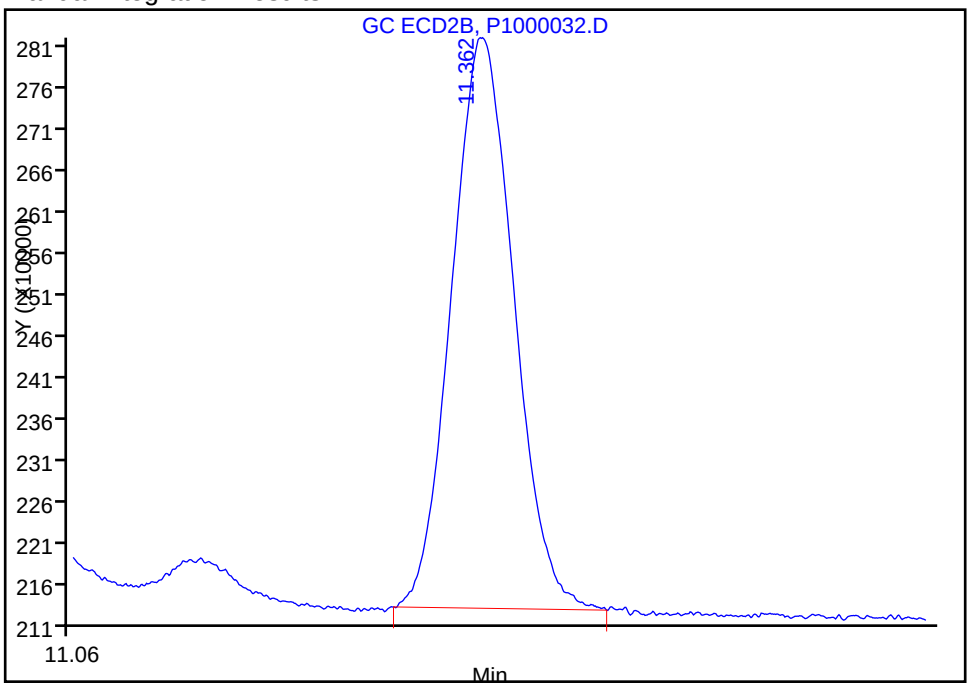
Processing Integration Results

Not Detected
Expected RT: 11.36



Manual Integration Results

RT: 11.36
Response: 679549
Amount: 0.003514



Reviewer: bolgrind, 26-Dec-2012 12:27:18
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-70766/23

Matrix: Solid Lab File ID: P1000023.D

Analysis Method: 8151/DOD Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 12/31/2012 21:56

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 70766 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
94-75-7	*2,4-D*	*0.0177*	*J*	*0.50*	0.00050	*0.00041*
93-72-1	*Silvex (2,4,5-TP)*	*0.00474*	*J*	*0.10*	0.00020	*0.00020*

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	107		37-116

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000023.D
Lims ID: MRL Client ID:
Inject. Date: 31-Dec-2012 21:56:49 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0016320-023
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 23
Lims Batch ID: 70766 Lims Sample ID: 23
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP1\20121231-16320.b\8151_1.m
Last Update: 02-Jan-2013 09:45:13 Calib Date: 31-Dec-2012 16:50:57
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000010.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK005

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.237	1.237	0.000	4843086	0.0106	
2	1.376	1.375	0.001	1499451	0.0103	
					RPD = 2.56	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.963	6.961	0.002	3194633	0.0214	
2	7.614	7.613	0.001	1306595	0.0210	
					RPD = 1.80	
6 Dicamba						
1	7.128	7.127	0.001	7072014	0.0114	
2	7.779	7.779	0.000	2770302	0.0108	
					RPD = 5.49	
10 MCPP						
1	7.412	7.411	0.001	1709184	0.9038	
2	7.966	7.964	0.002	679297	1.05	
					RPD = 15.10	
9 MCPA						
1	7.576	7.573	0.003	2472096	0.7530	
2	8.218	8.216	0.002	1033874	1.01	
					RPD = 28.87	
7 Dichlorprop						
1	7.948	7.945	0.003	3010101	0.0217	
2	8.578	8.575	0.003	1120676	0.0213	
					RPD = 2.26	
2 2,4-D						
1	8.191	8.185	0.006	2664450	0.0177	
2	8.938	8.933	0.005	1159389	0.0187	
					RPD = 5.49	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						1
1		8.274				
2		9.226				
12 Silvex (2,4,5-TP)						
1	9.064	9.060	0.004	3619436	0.004741	
2	9.871	9.869	0.002	1334626	0.004701	
					RPD = 0.85	
1 2,4,5-T						
1	9.382	9.376	0.006	2502696	0.004077	
2	10.352	10.347	0.005	1077363	0.004441	
					RPD = 8.53	
3 2,4-DB						
1	10.017	10.007	0.010	1138165	0.0178	
2	11.002	10.999	0.003	474589	0.0179	
					RPD = 0.22	
8 Dinoseb						
1	11.212	11.206	0.006	1497492	0.002960	
2	11.374	11.373	0.001	542223	0.002804	
					RPD = 5.42	

QC Flag Legend

Processing Flags
1 - Missing Peaks

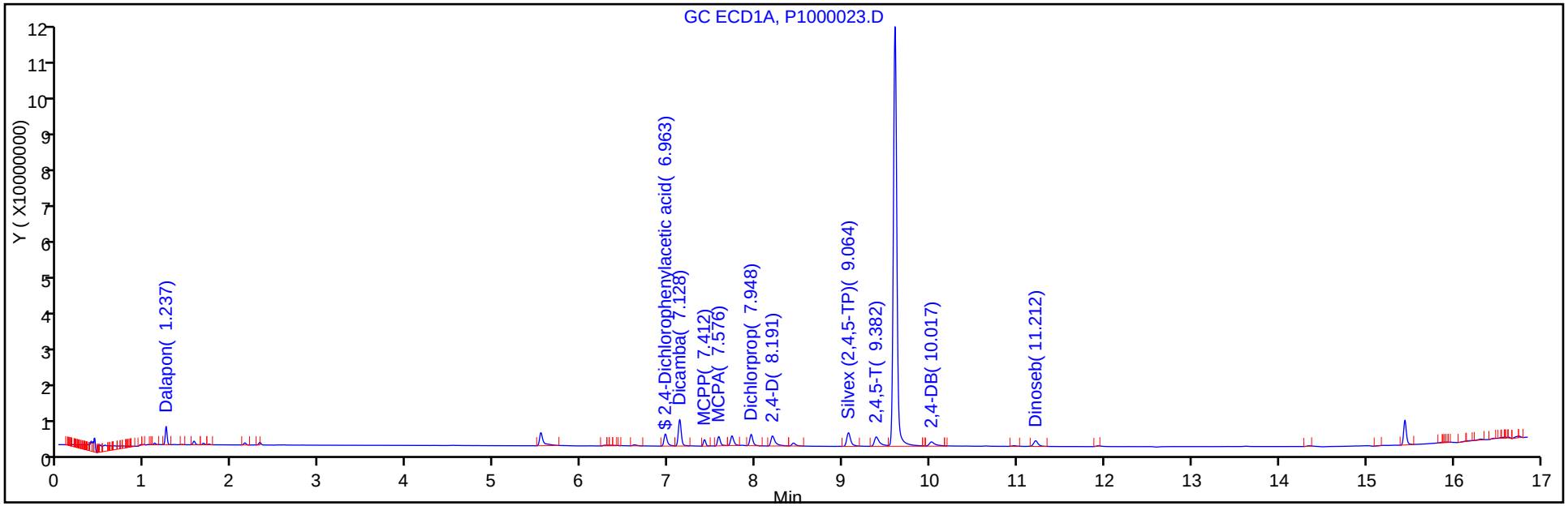
Report Date: 02-Jan-2013 09:45:15 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

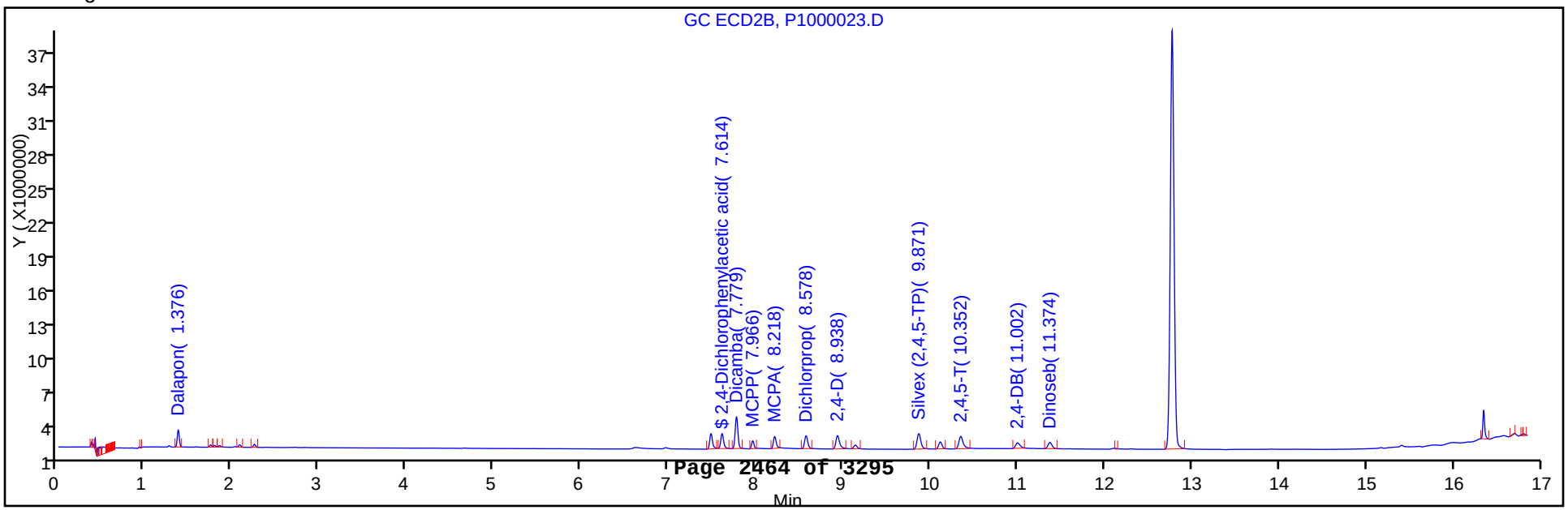
Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000023.D

Injection Date:	31-Dec-2012 21:56:49	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70766	Lims Sample ID:	23
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-70766/23

Matrix: Solid | Lab File ID: P1000023.D

Analysis Method: 8151/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/31/2012 21:56

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70766 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
94-75-7	2,4-D	0.0187	J	0.50	0.00050	0.00041
93-72-1	Silvex (2,4,5-TP)	0.00470	J	0.10	0.00020	0.00020

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	105		37-116

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000023.D
Lims ID: MRL Client ID:
Inject. Date: 31-Dec-2012 21:56:49 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0016320-023
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 23
Lims Batch ID: 70766 Lims Sample ID: 23
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP1\20121231-16320.b\8151_1.m
Last Update: 02-Jan-2013 09:45:13 Calib Date: 31-Dec-2012 16:50:57
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000010.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK005

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.237	1.237	0.000	4843086	0.0106	
2	1.376	1.375	0.001	1499451	0.0103	
					RPD = 2.56	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.963	6.961	0.002	3194633	0.0214	
2	7.614	7.613	0.001	1306595	0.0210	
					RPD = 1.80	
6 Dicamba						
1	7.128	7.127	0.001	7072014	0.0114	
2	7.779	7.779	0.000	2770302	0.0108	
					RPD = 5.49	
10 MCPP						
1	7.412	7.411	0.001	1709184	0.9038	
2	7.966	7.964	0.002	679297	1.05	
					RPD = 15.10	
9 MCPA						
1	7.576	7.573	0.003	2472096	0.7530	
2	8.218	8.216	0.002	1033874	1.01	
					RPD = 28.87	
7 Dichlorprop						
1	7.948	7.945	0.003	3010101	0.0217	
2	8.578	8.575	0.003	1120676	0.0213	
					RPD = 2.26	
2 2,4-D						
1	8.191	8.185	0.006	2664450	0.0177	
2	8.938	8.933	0.005	1159389	0.0187	
					RPD = 5.49	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						1
1		8.274				
2		9.226				
12 Silvex (2,4,5-TP)						
1	9.064	9.060	0.004	3619436	0.004741	
2	9.871	9.869	0.002	1334626	0.004701	
					RPD = 0.85	
1 2,4,5-T						
1	9.382	9.376	0.006	2502696	0.004077	
2	10.352	10.347	0.005	1077363	0.004441	
					RPD = 8.53	
3 2,4-DB						
1	10.017	10.007	0.010	1138165	0.0178	
2	11.002	10.999	0.003	474589	0.0179	
					RPD = 0.22	
8 Dinoseb						
1	11.212	11.206	0.006	1497492	0.002960	
2	11.374	11.373	0.001	542223	0.002804	
					RPD = 5.42	

QC Flag Legend

Processing Flags
1 - Missing Peaks

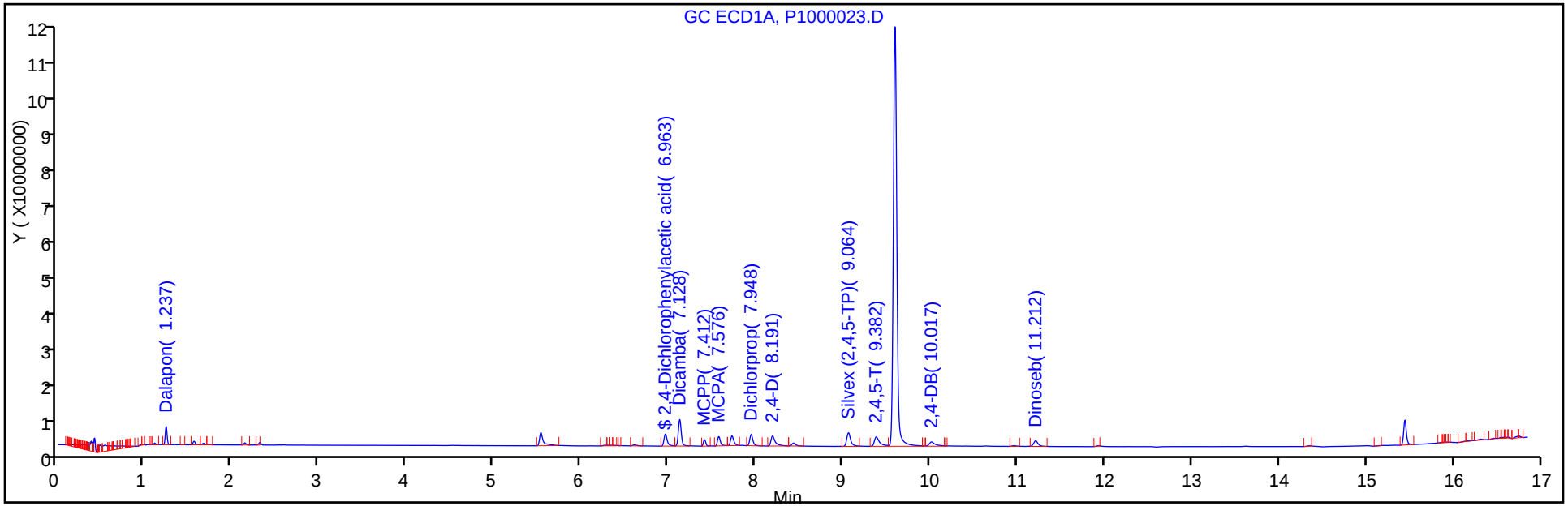
Report Date: 02-Jan-2013 09:45:15 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

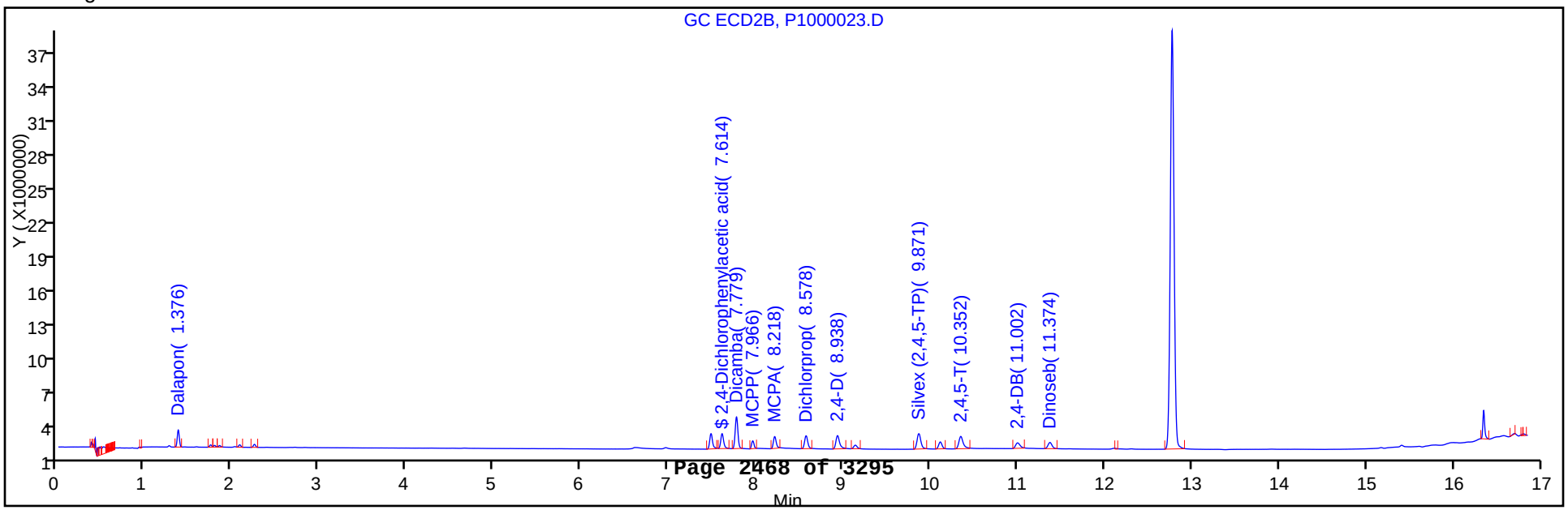
Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000023.D

Injection Date:	31-Dec-2012 21:56:49	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70766	Lims Sample ID:	23
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-70766/42

Matrix: Solid | Lab File ID: P1000042.D

Analysis Method: 8151/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 01/01/2013 05:22

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70766 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
94-75-7	*2,4-D*	*0.0218*	*J*	*0.50*	0.00050	*0.00041*
93-72-1	*Silvex (2,4,5-TP)*	*0.00550*	*J*	*0.10*	0.00020	*0.00020*

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	123	*Q*	37-116

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000042.D
Lims ID: MRL Client ID:
Inject. Date: 01-Jan-2013 05:22:21 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0016320-042
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 42
Lims Batch ID: 70766 Lims Sample ID: 42
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP1\20121231-16320.b\8151_1.m
Last Update: 02-Jan-2013 09:45:32 Calib Date: 31-Dec-2012 16:50:57
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000010.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK005

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.239	1.240	-0.001	4985867	0.0109	
2	1.379	1.378	0.001	1545188	0.0106	
					RPD = 2.46	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.966	6.965	0.001	3666326	0.0246	
2	7.618	7.617	0.001	1494159	0.0241	
					RPD = 2.16	
6 Dicamba						
1	7.132	7.132	0.000	7878060	0.0128	
2	7.784	7.783	0.001	3072030	0.0120	
					RPD = 5.95	
10 MCPP						
1	7.417	7.417	0.000	1856295	1.18	
2	7.969	7.970	-0.001	758305	1.40	
					RPD = 17.16	
9 MCPA						
1	7.580	7.579	0.001	2722538	1.14	
2	8.221	8.221	0.000	1135613	1.40	
					RPD = 20.38	
7 Dichlorprop						
1	7.950	7.949	0.001	3461511	0.0250	
2	8.580	8.579	0.001	1263100	0.0240	
					RPD = 4.27	
2 2,4-D						
1	8.193	8.188	0.005	3276082	0.0218	
2	8.940	8.937	0.003	1346279	0.0217	
					RPD = 0.23	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						1
1		8.276				
2		9.230				
12 Silvex (2,4,5-TP)						
1	9.064	9.062	0.002	4196128	0.005496	
2	9.875	9.873	0.002	1504043	0.005298	
					RPD = 3.68	
1 2,4,5-T						
1	9.380	9.377	0.003	3159691	0.005148	
2	10.352	10.350	0.002	1261730	0.005201	
					RPD = 1.02	
3 2,4-DB						
1	10.009	10.004	0.005	1482196	0.0232	
2	11.005	11.000	0.005	634166	0.0239	
					RPD = 2.80	
8 Dinoseb						
1	11.214	11.210	0.004	1775279	0.003509	
2	11.379	11.377	0.002	661758	0.003422	
					RPD = 2.52	

QC Flag Legend

Processing Flags
1 - Missing Peaks

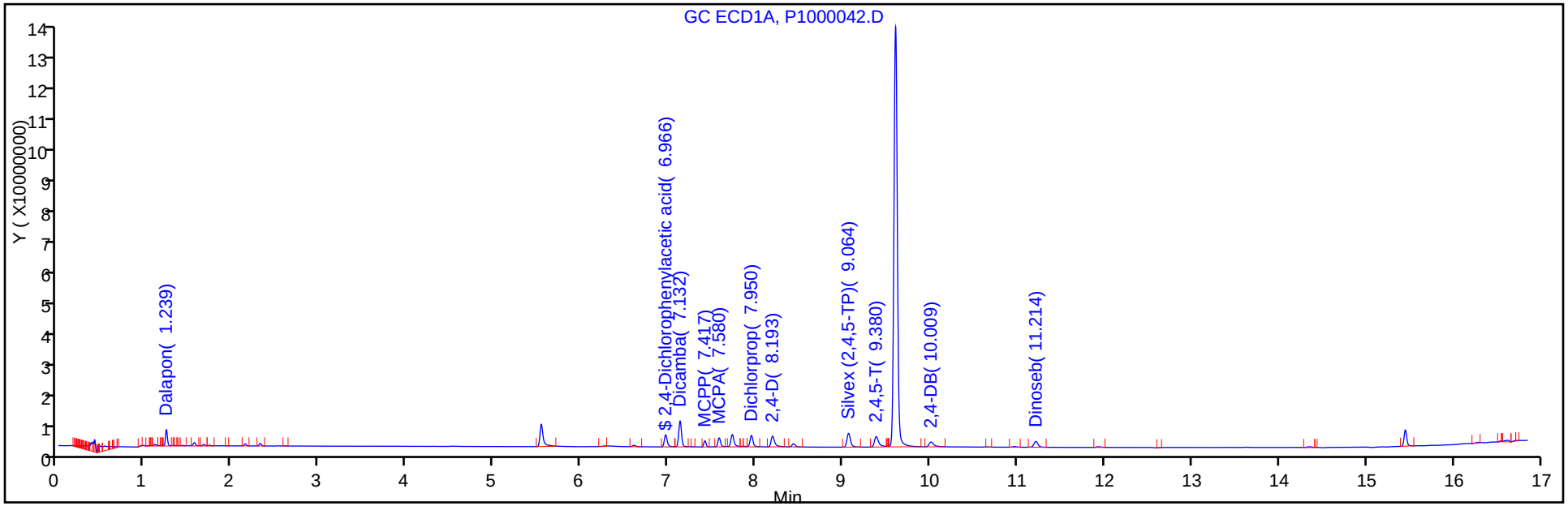
Report Date: 02-Jan-2013 09:45:34 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

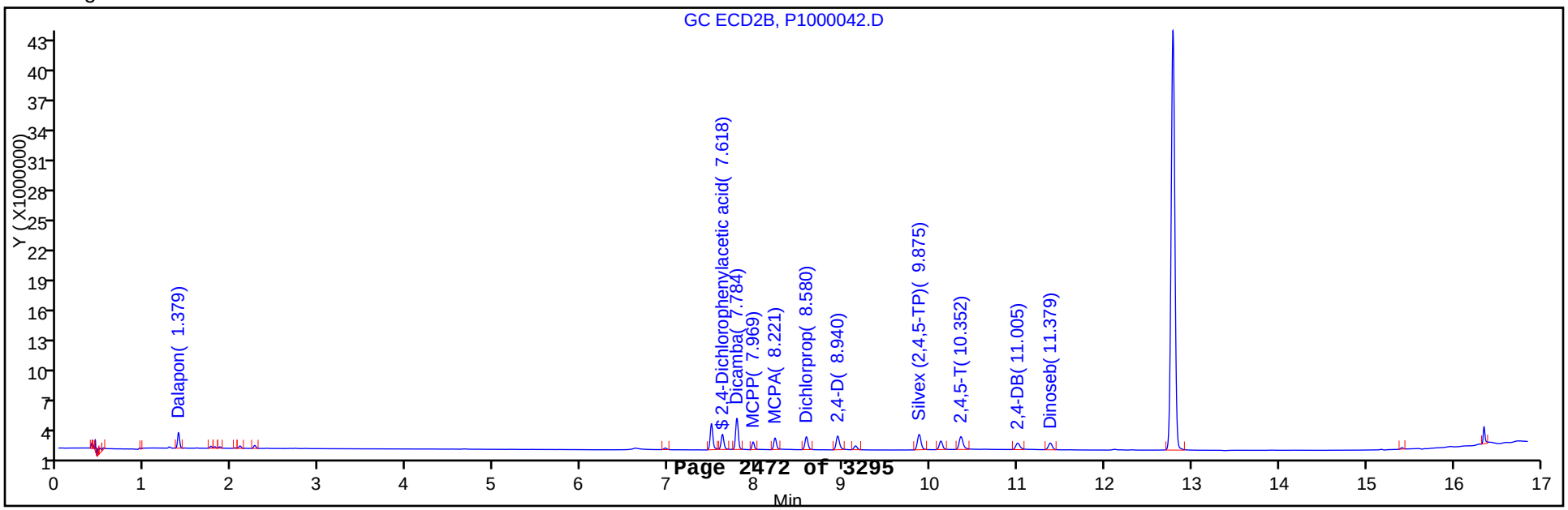
Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000042.D

Injection Date:	01-Jan-2013 05:22:21	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70766	Lims Sample ID:	42
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-70766/42

Matrix: Solid Lab File ID: P1000042.D

Analysis Method: 8151/DOD Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 01/01/2013 05:22

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 70766 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
94-75-7	2,4-D	0.0217	J	0.50	0.00050	0.00041
93-72-1	Silvex (2,4,5-TP)	0.00530	J	0.10	0.00020	0.00020

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	120	Q	37-116

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000042.D
Lims ID: MRL Client ID:
Inject. Date: 01-Jan-2013 05:22:21 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0016320-042
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 42
Lims Batch ID: 70766 Lims Sample ID: 42
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP1\20121231-16320.b\8151_1.m
Last Update: 02-Jan-2013 09:45:32 Calib Date: 31-Dec-2012 16:50:57
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000010.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK005

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.239	1.240	-0.001	4985867	0.0109	
2	1.379	1.378	0.001	1545188	0.0106	
					RPD = 2.46	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.966	6.965	0.001	3666326	0.0246	
2	7.618	7.617	0.001	1494159	0.0241	
					RPD = 2.16	
6 Dicamba						
1	7.132	7.132	0.000	7878060	0.0128	
2	7.784	7.783	0.001	3072030	0.0120	
					RPD = 5.95	
10 MCPP						
1	7.417	7.417	0.000	1856295	1.18	
2	7.969	7.970	-0.001	758305	1.40	
					RPD = 17.16	
9 MCPA						
1	7.580	7.579	0.001	2722538	1.14	
2	8.221	8.221	0.000	1135613	1.40	
					RPD = 20.38	
7 Dichlorprop						
1	7.950	7.949	0.001	3461511	0.0250	
2	8.580	8.579	0.001	1263100	0.0240	
					RPD = 4.27	
2 2,4-D						
1	8.193	8.188	0.005	3276082	0.0218	
2	8.940	8.937	0.003	1346279	0.0217	
					RPD = 0.23	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						1
1		8.276				
2		9.230				
12 Silvex (2,4,5-TP)						
1	9.064	9.062	0.002	4196128	0.005496	
2	9.875	9.873	0.002	1504043	0.005298	
					RPD = 3.68	
1 2,4,5-T						
1	9.380	9.377	0.003	3159691	0.005148	
2	10.352	10.350	0.002	1261730	0.005201	
					RPD = 1.02	
3 2,4-DB						
1	10.009	10.004	0.005	1482196	0.0232	
2	11.005	11.000	0.005	634166	0.0239	
					RPD = 2.80	
8 Dinoseb						
1	11.214	11.210	0.004	1775279	0.003509	
2	11.379	11.377	0.002	661758	0.003422	
					RPD = 2.52	

QC Flag Legend

Processing Flags
1 - Missing Peaks

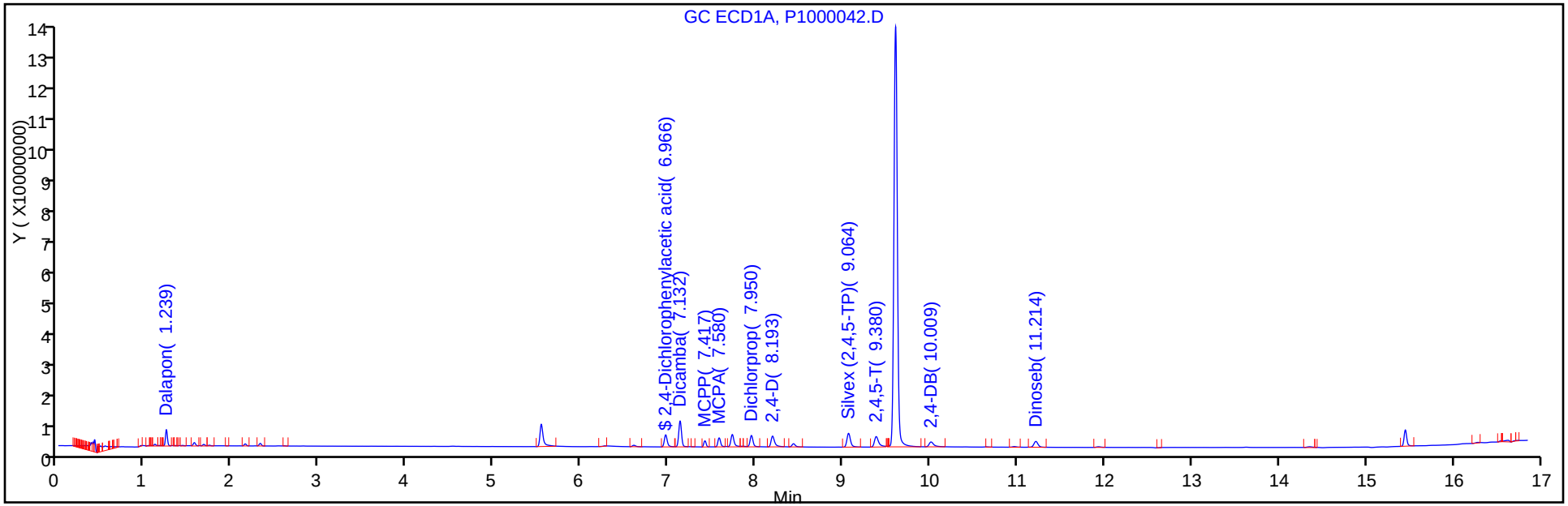
Report Date: 02-Jan-2013 09:45:34 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

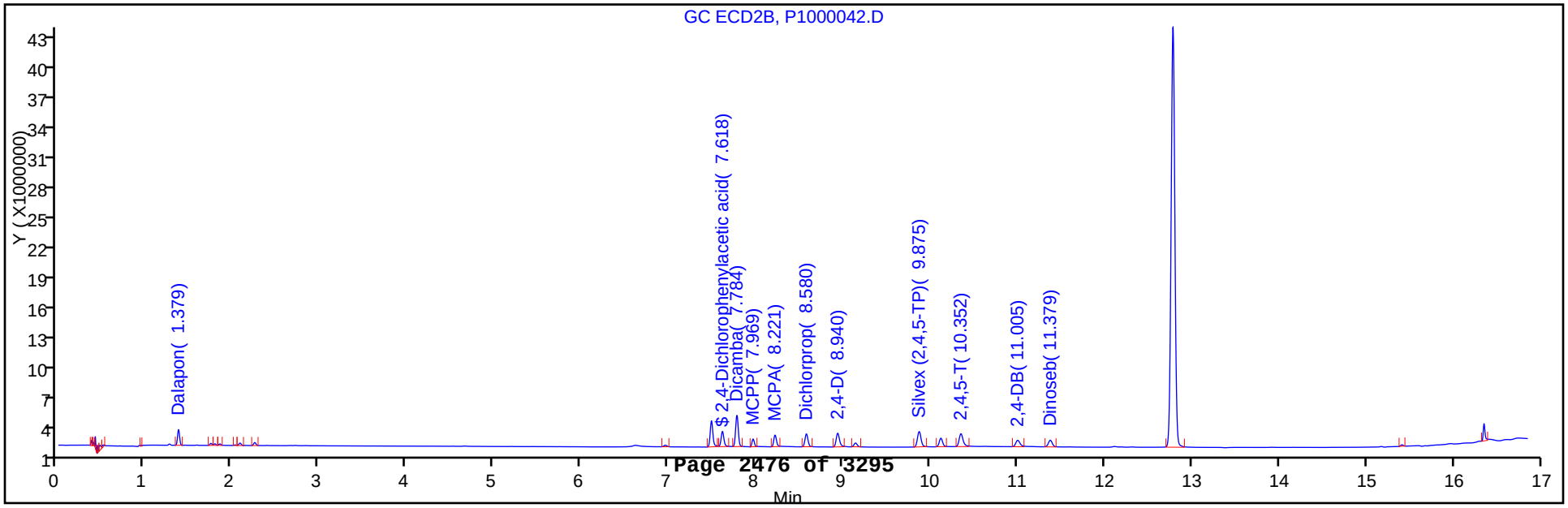
Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000042.D

Injection Date:	01-Jan-2013 05:22:21	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70766	Lims Sample ID:	42
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Client Sample ID: 070-0058-0001-IDW MS Lab Sample ID: 240-18735-5 MS

Matrix: Solid (TCLP) Lab File ID: P1000030.D

Analysis Method: 8151/DOD Date Collected: 12/12/2012 13:30

Extraction Method: 8151A Date Extracted: 12/24/2012 10:38

Sample wt/vol: 100(mL) Date Analyzed: 01/01/2013 00:41

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 70766 Units: mg/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	70		37-116

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000030.D		
Lims ID:	240-18735-C-5-M MS	Client ID:	
Inject. Date:	01-Jan-2013 00:41:03	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016320-030		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	30
Lims Batch ID:	70766	Lims Sample ID:	30
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\8151_1.m		
Last Update:	07-Jan-2013 13:46:48	Calib Date:	31-Dec-2012 16:50:57
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000010.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK030		

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 4 2,4-Dichlorophenylacetic acid						
1	6.966	6.961	0.005	20883461	0.1401	
2	7.614	7.613	0.001	9479431	0.1527	
					RPD = 8.61	
2 2,4-D						
1	8.183	8.185	-0.002	24613903	0.1635	
2	8.934	8.933	0.001	9190180	0.1482	
					RPD = 9.81	
11 Pentachlorophenol						1
1		8.274				
2		9.226				
12 Silvex (2,4,5-TP)						
1	9.058	9.060	-0.002	30365815	0.0398	
2	9.870	9.869	0.001	12193616	0.0429	
					RPD = 7.68	
1 2,4,5-T						
1		9.376				
2		10.347				

QC Flag Legend

Processing Flags
1 - Missing Peaks

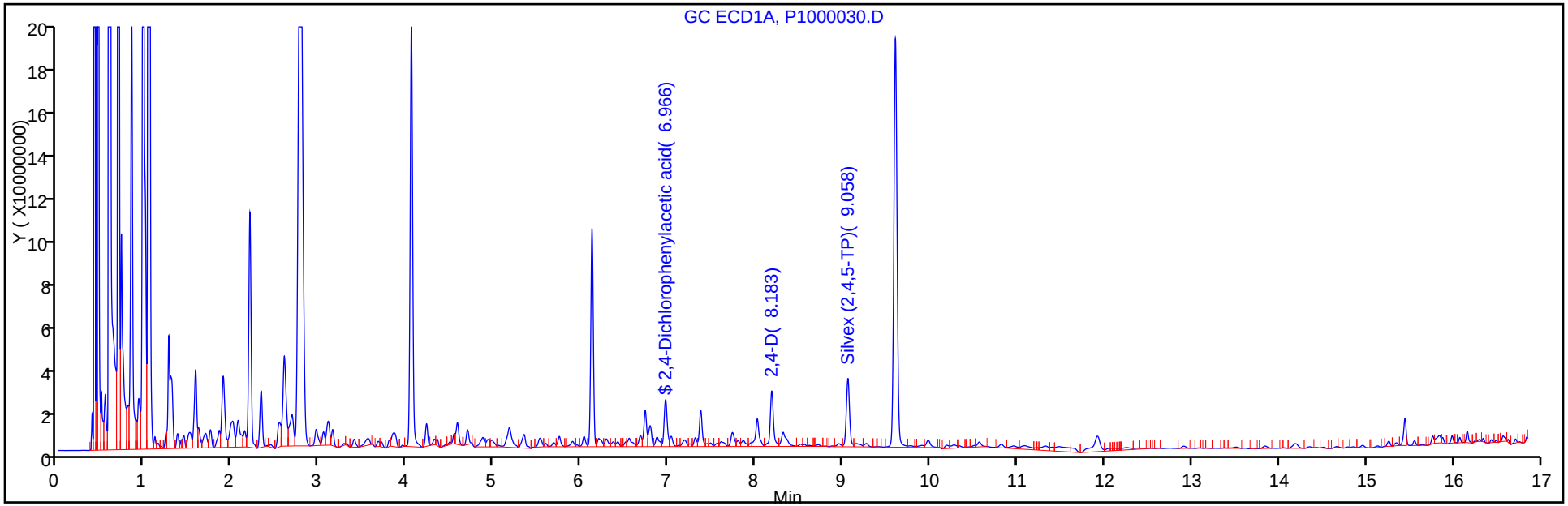
Report Date: 07-Jan-2013 13:46:57 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

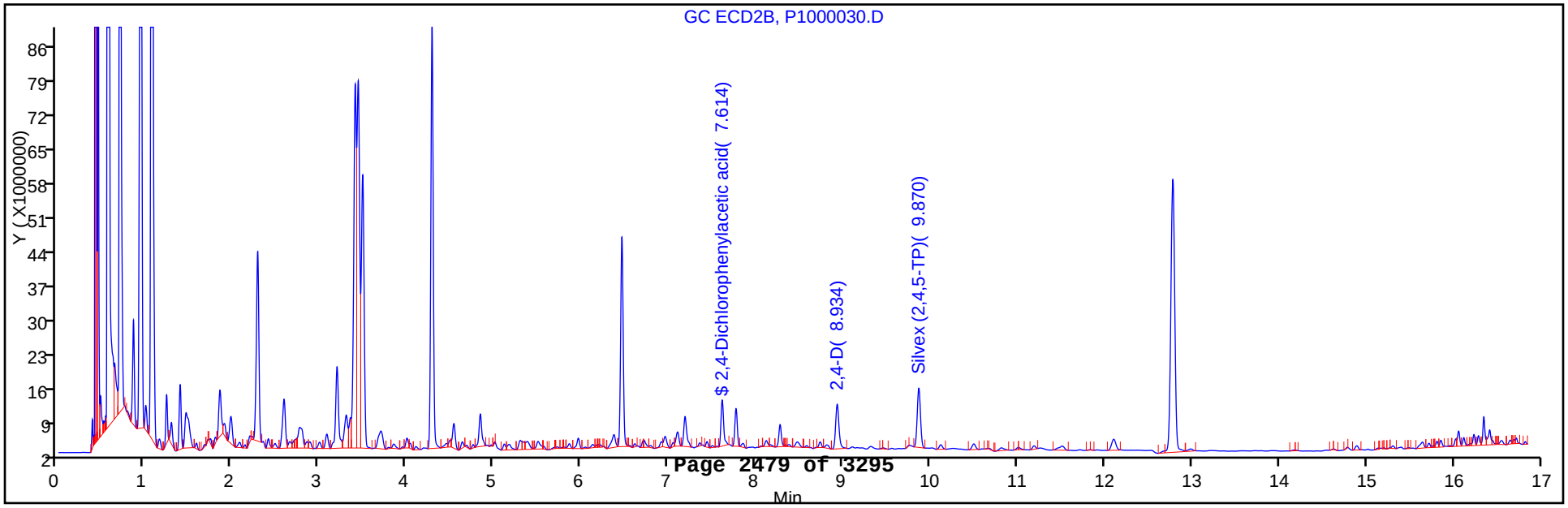
Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000030.D

Injection Date:	01-Jan-2013 00:41:03	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70766	Lims Sample ID:	30
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18735-2

SDG No.:

Client Sample ID: 070-0058-0001-IDW MS | Lab Sample ID: 240-18735-5 MS

Matrix: Solid (TCLP) | Lab File ID: P1000030.D

Analysis Method: 8151/DOD | Date Collected: 12/12/2012 13:30

Extraction Method: 8151A | Date Extracted: 12/24/2012 10:38

Sample wt/vol: 100(mL) | Date Analyzed: 01/01/2013 00:41

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70766 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
94-75-7	2,4-D	0.0148	J	0.25	0.00025	0.00021
93-72-1	Silvex (2,4,5-TP)	0.00429	J	0.050	0.00010	0.00010

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	76		37-116

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000030.D		
Lims ID:	240-18735-C-5-M MS	Client ID:	
Inject. Date:	01-Jan-2013 00:41:03	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016320-030		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	30
Lims Batch ID:	70766	Lims Sample ID:	30
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\8151_1.m		
Last Update:	07-Jan-2013 13:46:48	Calib Date:	31-Dec-2012 16:50:57
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000010.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK030		

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 4 2,4-Dichlorophenylacetic acid						
1	6.966	6.961	0.005	20883461	0.1401	
2	7.614	7.613	0.001	9479431	0.1527	
					RPD = 8.61	
2 2,4-D						
1	8.183	8.185	-0.002	24613903	0.1635	
2	8.934	8.933	0.001	9190180	0.1482	
					RPD = 9.81	
11 Pentachlorophenol						1
1		8.274				
2		9.226				
12 Silvex (2,4,5-TP)						
1	9.058	9.060	-0.002	30365815	0.0398	
2	9.870	9.869	0.001	12193616	0.0429	
					RPD = 7.68	
1 2,4,5-T						
1		9.376				
2		10.347				

QC Flag Legend

Processing Flags
1 - Missing Peaks

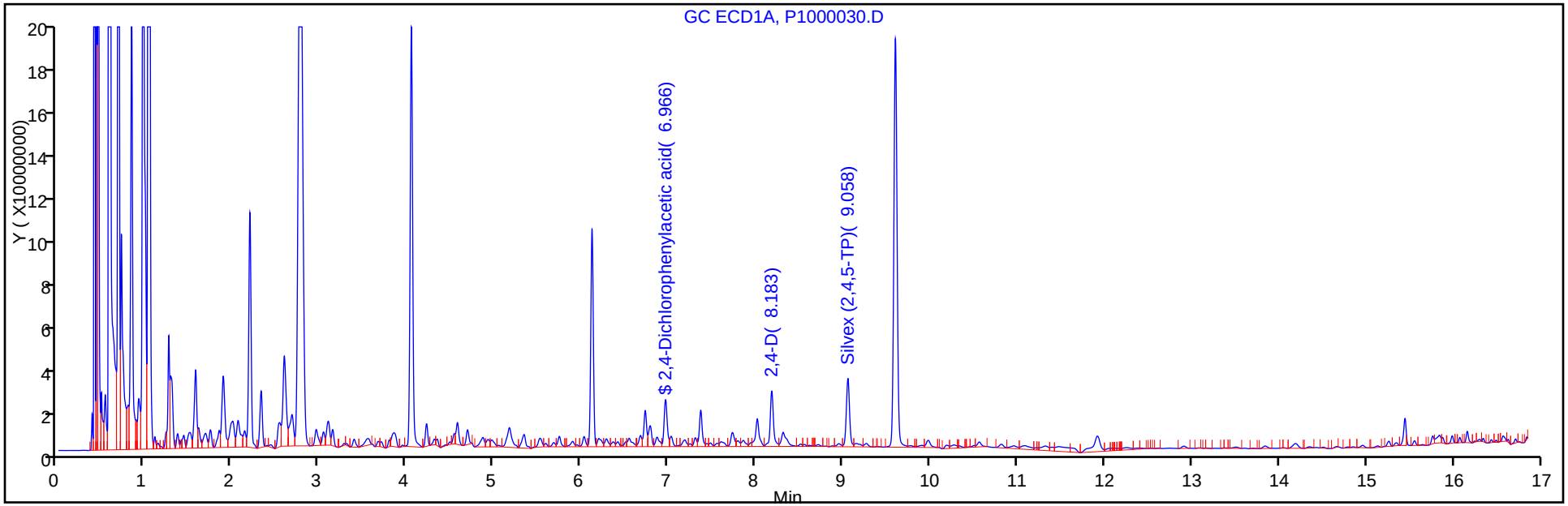
Report Date: 07-Jan-2013 13:46:58 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

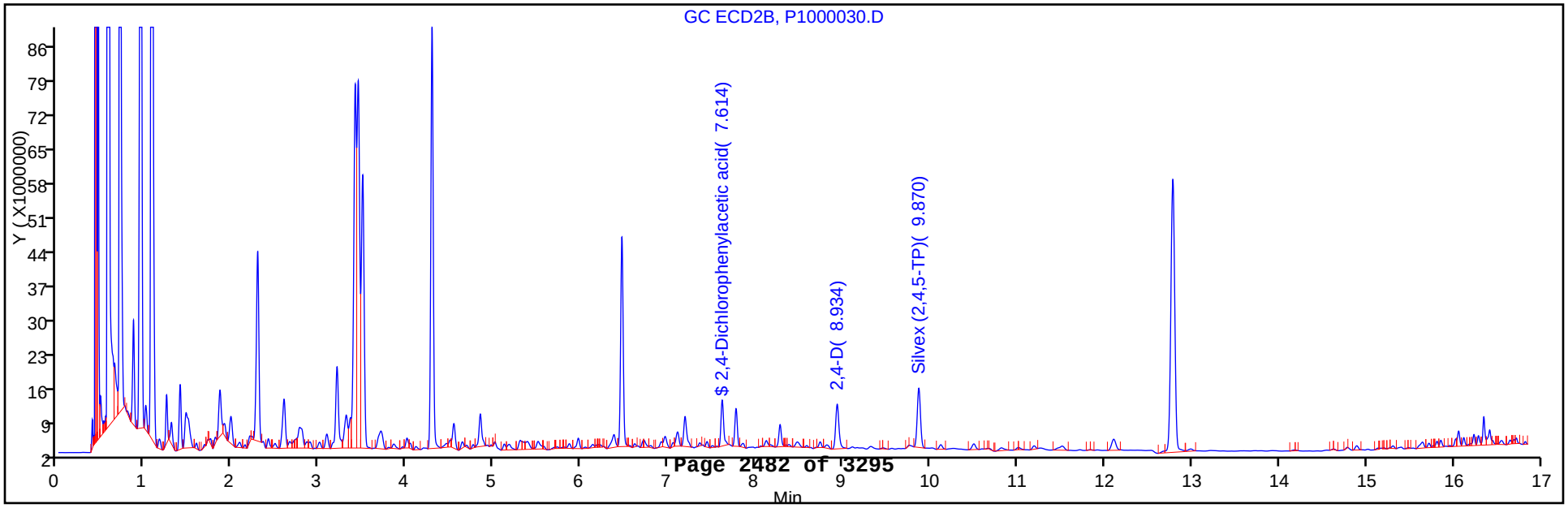
Data File: \\NCChrom\ChromData\A2HP1\20121231-16320.b\P1000030.D

Injection Date:	01-Jan-2013 00:41:03	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	70766	Lims Sample ID:	30
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A2HP1 Start Date: 09/18/2012 10:33

Analysis Batch Number: 58097 End Date: 09/18/2012 15:40

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD 240-58097/3 IC		09/18/2012 10:33	1		CLP-1 0.53(mm)
STD 240-58097/3 IC		09/18/2012 10:33	1		CLP-2 0.53(mm)
STD 240-58097/4 IC		09/18/2012 10:57	1		CLP-1 0.53(mm)
STD 240-58097/4 IC		09/18/2012 10:57	1		CLP-2 0.53(mm)
STD 240-58097/5 ICRT		09/18/2012 11:20	1		CLP-1 0.53(mm)
STD 240-58097/5 ICRT		09/18/2012 11:20	1		CLP-2 0.53(mm)
STD 240-58097/6 IC		09/18/2012 11:44	1		CLP-1 0.53(mm)
STD 240-58097/6 IC		09/18/2012 11:44	1		CLP-2 0.53(mm)
STD 240-58097/7 IC		09/18/2012 12:08	1		CLP-1 0.53(mm)
STD 240-58097/7 IC		09/18/2012 12:08	1		CLP-2 0.53(mm)
STD 240-58097/8 IC		09/18/2012 12:31	1		CLP-1 0.53(mm)
STD 240-58097/8 IC		09/18/2012 12:31	1		CLP-2 0.53(mm)
ICV 240-58097/9		09/18/2012 12:55	1		CLP-1 0.53(mm)
ICV 240-58097/9		09/18/2012 12:55	1		CLP-2 0.53(mm)
STD 240-58097/10 IC		09/18/2012 13:18	1	P1000010.D	CLP-1 0.53(mm)
STD 240-58097/10 IC		09/18/2012 13:18	1	P1000010.D	CLP-2 0.53(mm)
STD 240-58097/11 IC		09/18/2012 13:42	1	P1000011.D	CLP-1 0.53(mm)
STD 240-58097/11 IC		09/18/2012 13:42	1	P1000011.D	CLP-2 0.53(mm)
STD 240-58097/12 IC		09/18/2012 14:06	1	P1000012.D	CLP-1 0.53(mm)
STD 240-58097/12 IC		09/18/2012 14:06	1	P1000012.D	CLP-2 0.53(mm)
STD 240-58097/13 IC		09/18/2012 14:29	1	P1000013.D	CLP-1 0.53(mm)
STD 240-58097/13 IC		09/18/2012 14:29	1	P1000013.D	CLP-2 0.53(mm)
STD 240-58097/14 IC		09/18/2012 14:53	1	P1000014.D	CLP-1 0.53(mm)
STD 240-58097/14 IC		09/18/2012 14:53	1	P1000014.D	CLP-2 0.53(mm)
STD 240-58097/15 IC		09/18/2012 15:16	1	P1000015.D	CLP-1 0.53(mm)
STD 240-58097/15 IC		09/18/2012 15:16	1	P1000015.D	CLP-2 0.53(mm)
ICV 240-58097/16		09/18/2012 15:40	1	P1000016.D	CLP-1 0.53(mm)
ICV 240-58097/16		09/18/2012 15:40	1	P1000016.D	CLP-2 0.53(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A2HP1 Start Date: 12/03/2012 17:53

Analysis Batch Number: 67147 End Date: 12/04/2012 04:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD 240-67147/6 IC		12/03/2012 17:53	1	P1000006.D	CLP-1 0.53(mm)
STD 240-67147/6 IC		12/03/2012 17:53	1	P1000006.D	CLP-2 0.53(mm)
STD 240-67147/7 IC		12/03/2012 18:17	1	P1000007.D	CLP-1 0.53(mm)
STD 240-67147/7 IC		12/03/2012 18:17	1	P1000007.D	CLP-2 0.53(mm)
STD 240-67147/8 ICRT		12/03/2012 18:41	1	P1000008.D	CLP-1 0.53(mm)
STD 240-67147/8 ICRT		12/03/2012 18:41	1	P1000008.D	CLP-2 0.53(mm)
STD 240-67147/9 IC		12/03/2012 19:04	1	P1000009.D	CLP-1 0.53(mm)
STD 240-67147/9 IC		12/03/2012 19:04	1	P1000009.D	CLP-2 0.53(mm)
STD 240-67147/10 IC		12/03/2012 19:28	1	P1000010.D	CLP-1 0.53(mm)
STD 240-67147/10 IC		12/03/2012 19:28	1	P1000010.D	CLP-2 0.53(mm)
STD 240-67147/11 IC		12/03/2012 19:52	1	P1000011.D	CLP-1 0.53(mm)
STD 240-67147/11 IC		12/03/2012 19:52	1	P1000011.D	CLP-2 0.53(mm)
ICV 240-67147/12		12/03/2012 20:15	1	P1000012.D	CLP-1 0.53(mm)
ICV 240-67147/12		12/03/2012 20:15	1	P1000012.D	CLP-2 0.53(mm)
CCV 240-67147/13		12/03/2012 20:39	1		CLP-1 0.53(mm)
CCV 240-67147/13		12/03/2012 20:39	1		CLP-2 0.53(mm)
ZZZZZ		12/03/2012 21:03	1		CLP-1 0.53(mm)
ZZZZZ		12/03/2012 21:03	1		CLP-2 0.53(mm)
ZZZZZ		12/03/2012 21:26	1		CLP-1 0.53(mm)
ZZZZZ		12/03/2012 21:26	1		CLP-2 0.53(mm)
ZZZZZ		12/03/2012 21:50	1		CLP-1 0.53(mm)
ZZZZZ		12/03/2012 21:50	1		CLP-2 0.53(mm)
ZZZZZ		12/03/2012 22:14	1		CLP-1 0.53(mm)
ZZZZZ		12/03/2012 22:14	1		CLP-2 0.53(mm)
ZZZZZ		12/03/2012 22:38	1		CLP-1 0.53(mm)
ZZZZZ		12/03/2012 22:38	1		CLP-2 0.53(mm)
ZZZZZ		12/03/2012 23:01	1		CLP-1 0.53(mm)
ZZZZZ		12/03/2012 23:01	1		CLP-2 0.53(mm)
ZZZZZ		12/03/2012 23:25	1		CLP-1 0.53(mm)
ZZZZZ		12/03/2012 23:25	1		CLP-2 0.53(mm)
ZZZZZ		12/03/2012 23:49	1		CLP-1 0.53(mm)
ZZZZZ		12/03/2012 23:49	1		CLP-2 0.53(mm)
ZZZZZ		12/04/2012 00:12	1		CLP-1 0.53(mm)
ZZZZZ		12/04/2012 00:12	1		CLP-2 0.53(mm)
ZZZZZ		12/04/2012 00:36	1		CLP-1 0.53(mm)
ZZZZZ		12/04/2012 00:36	1		CLP-2 0.53(mm)
CCV 240-67147/24		12/04/2012 01:00	1		CLP-1 0.53(mm)
CCV 240-67147/24		12/04/2012 01:00	1		CLP-2 0.53(mm)
CCV 240-67147/25		12/04/2012 01:24	1		CLP-1 0.53(mm)
CCV 240-67147/25		12/04/2012 01:24	1		CLP-2 0.53(mm)
ZZZZZ		12/04/2012 01:47	1		CLP-1 0.53(mm)
ZZZZZ		12/04/2012 01:47	1		CLP-2 0.53(mm)
ZZZZZ		12/04/2012 02:11	1		CLP-1 0.53(mm)
ZZZZZ		12/04/2012 02:11	1		CLP-2 0.53(mm)
ZZZZZ		12/04/2012 02:35	1		CLP-1 0.53(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A2HP1 Start Date: 12/03/2012 17:53

Analysis Batch Number: 67147 End Date: 12/04/2012 04:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		12/04/2012 02:35	1		CLP-2 0.53(mm)
ZZZZZ		12/04/2012 02:58	1		CLP-1 0.53(mm)
ZZZZZ		12/04/2012 02:58	1		CLP-2 0.53(mm)
ZZZZZ		12/04/2012 03:22	1		CLP-1 0.53(mm)
ZZZZZ		12/04/2012 03:22	1		CLP-2 0.53(mm)
CCV 240-67147/31		12/04/2012 03:46	1		CLP-1 0.53(mm)
CCV 240-67147/31		12/04/2012 03:46	1		CLP-2 0.53(mm)
CCV 240-67147/32		12/04/2012 04:10	1		CLP-1 0.53(mm)
CCV 240-67147/32		12/04/2012 04:10	1		CLP-2 0.53(mm)
ZZZZZ		12/04/2012 04:33	1		CLP-1 0.53(mm)
ZZZZZ		12/04/2012 04:33	1		CLP-2 0.53(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A2HP1 Start Date: 12/24/2012 16:29

Analysis Batch Number: 70037 End Date: 12/25/2012 03:04

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 240-70037/5 CCVRT		12/24/2012 16:29	1	P1000005.D	CLP-1 0.53(mm)
CCV 240-70037/5 CCVRT		12/24/2012 16:29	1	P1000005.D	CLP-2 0.53(mm)
CCV 240-70037/6		12/24/2012 16:52	1	P1000006.D	CLP-1 0.53(mm)
CCV 240-70037/6		12/24/2012 16:52	1	P1000006.D	CLP-2 0.53(mm)
MRL 240-70037/7		12/24/2012 17:16	1	P1000007.D	CLP-1 0.53(mm)
MRL 240-70037/7		12/24/2012 17:16	1	P1000007.D	CLP-2 0.53(mm)
240-18735-3	070-0056-0001-SOURCE WATER	12/24/2012 17:40	1	P1000008.D	CLP-1 0.53(mm)
240-18735-3	070-0056-0001-SOURCE WATER	12/24/2012 17:40	1	P1000008.D	CLP-2 0.53(mm)
240-18735-4	070-0057-0001-SOURCE WATER	12/24/2012 18:03	1	P1000009.D	CLP-1 0.53(mm)
240-18735-4	070-0057-0001-SOURCE WATER	12/24/2012 18:03	1	P1000009.D	CLP-2 0.53(mm)
MB 240-69372/21-A		12/24/2012 21:11	1	P1000017.D	CLP-1 0.53(mm)
MB 240-69372/21-A		12/24/2012 21:11	1	P1000017.D	CLP-2 0.53(mm)
CCV 240-70037/18		12/24/2012 21:35	1	P1000018.D	CLP-1 0.53(mm)
CCV 240-70037/18		12/24/2012 21:35	1	P1000018.D	CLP-2 0.53(mm)
CCV 240-70037/19		12/24/2012 21:59	1	P1000019.D	CLP-1 0.53(mm)
CCV 240-70037/19		12/24/2012 21:59	1	P1000019.D	CLP-2 0.53(mm)
LCS 240-69372/22-A		12/25/2012 01:53	1	P1000029.D	CLP-1 0.53(mm)
LCS 240-69372/22-A		12/25/2012 01:53	1	P1000029.D	CLP-2 0.53(mm)
CCV 240-70037/30		12/25/2012 02:17	1	P1000030.D	CLP-1 0.53(mm)
CCV 240-70037/30		12/25/2012 02:17	1	P1000030.D	CLP-2 0.53(mm)
CCV 240-70037/31		12/25/2012 02:40	1	P1000031.D	CLP-1 0.53(mm)
CCV 240-70037/31		12/25/2012 02:40	1	P1000031.D	CLP-2 0.53(mm)
MRL 240-70037/32		12/25/2012 03:04	1	P1000032.D	CLP-1 0.53(mm)
MRL 240-70037/32		12/25/2012 03:04	1	P1000032.D	CLP-2 0.53(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: A2HP1 Start Date: 12/31/2012 14:53

Analysis Batch Number: 70766 End Date: 01/01/2013 05:22

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD 240-70766/5 IC		12/31/2012 14:53	1	P1000005.D	CLP-1 0.53(mm)
STD 240-70766/5 IC		12/31/2012 14:53	1	P1000005.D	CLP-2 0.53(mm)
STD 240-70766/6 IC		12/31/2012 15:16	1	P1000006.D	CLP-1 0.53(mm)
STD 240-70766/6 IC		12/31/2012 15:16	1	P1000006.D	CLP-2 0.53(mm)
STD 240-70766/7 IC		12/31/2012 15:40	1	P1000007.D	CLP-1 0.53(mm)
STD 240-70766/7 IC		12/31/2012 15:40	1	P1000007.D	CLP-2 0.53(mm)
STD 240-70766/8 IC		12/31/2012 16:03	1	P1000008.D	CLP-1 0.53(mm)
STD 240-70766/8 IC		12/31/2012 16:03	1	P1000008.D	CLP-2 0.53(mm)
STD 240-70766/9 IC		12/31/2012 16:27	1	P1000009.D	CLP-1 0.53(mm)
STD 240-70766/9 IC		12/31/2012 16:27	1	P1000009.D	CLP-2 0.53(mm)
STD 240-70766/10 IC		12/31/2012 16:50	1	P1000010.D	CLP-1 0.53(mm)
STD 240-70766/10 IC		12/31/2012 16:50	1	P1000010.D	CLP-2 0.53(mm)
ICV 240-70766/11		12/31/2012 17:14	1	P1000011.D	CLP-1 0.53(mm)
ICV 240-70766/11		12/31/2012 17:14	1	P1000011.D	CLP-2 0.53(mm)
CCV 240-70766/12 CCVRT		12/31/2012 17:37	1	P1000012.D	CLP-1 0.53(mm)
CCV 240-70766/12 CCVRT		12/31/2012 17:37	1	P1000012.D	CLP-2 0.53(mm)
CCV 240-70766/21		12/31/2012 21:09	1	P1000021.D	CLP-1 0.53(mm)
CCV 240-70766/21		12/31/2012 21:09	1	P1000021.D	CLP-2 0.53(mm)
CCV 240-70766/22		12/31/2012 21:33	1	P1000022.D	CLP-1 0.53(mm)
CCV 240-70766/22		12/31/2012 21:33	1	P1000022.D	CLP-2 0.53(mm)
MRL 240-70766/23		12/31/2012 21:56	1	P1000023.D	CLP-1 0.53(mm)
MRL 240-70766/23		12/31/2012 21:56	1	P1000023.D	CLP-2 0.53(mm)
240-18735-5	070-0058-0001-IDW	01/01/2013 00:17	1	P1000029.D	CLP-1 0.53(mm)
240-18735-5	070-0058-0001-IDW	01/01/2013 00:17	1	P1000029.D	CLP-2 0.53(mm)
240-18735-5 MS	070-0058-0001-IDW MS	01/01/2013 00:41	1	P1000030.D	CLP-1 0.53(mm)
240-18735-5 MS	070-0058-0001-IDW MS	01/01/2013 00:41	1	P1000030.D	CLP-2 0.53(mm)
240-18735-6	070-0059-0001-IDW	01/01/2013 01:04	1	P1000031.D	CLP-1 0.53(mm)
240-18735-6	070-0059-0001-IDW	01/01/2013 01:04	1	P1000031.D	CLP-2 0.53(mm)
MB 240-70010/4-A		01/01/2013 01:27	1	P1000032.D	CLP-1 0.53(mm)
MB 240-70010/4-A		01/01/2013 01:27	1	P1000032.D	CLP-2 0.53(mm)
LCS 240-70010/5-A		01/01/2013 01:51	1	P1000033.D	CLP-1 0.53(mm)
LCS 240-70010/5-A		01/01/2013 01:51	1	P1000033.D	CLP-2 0.53(mm)
CCV 240-70766/34		01/01/2013 02:14	1	P1000034.D	CLP-1 0.53(mm)
CCV 240-70766/34		01/01/2013 02:14	1	P1000034.D	CLP-2 0.53(mm)
CCV 240-70766/35		01/01/2013 02:38	1	P1000035.D	CLP-1 0.53(mm)
CCV 240-70766/35		01/01/2013 02:38	1	P1000035.D	CLP-2 0.53(mm)
MRL 240-70766/42		01/01/2013 05:22	1	P1000042.D	CLP-1 0.53(mm)
MRL 240-70766/42		01/01/2013 05:22	1	P1000042.D	CLP-2 0.53(mm)

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Batch Number: 69294 Batch Start Date: 12/18/12 19:10 Batch Analyst: Jones, Diane

Batch Method: 1311 Batch End Date: 12/19/12 11:15

Lab Sample ID	Client Sample ID	Method Chain	Basis	EXTCLPACETIC 00005	EXTCLPFILTERS 00012	EXTCLPHCLW 00018	EXTCLPNAOH 00010	AnalysisComment	
240-18735-C-5	070-0058-0001-ID W	1311, 8151A, 8151/DOD	P	1 mL	1	1 mL	1 g	DOD - MS/MSD for Metals, MS for Herb	
240-18735-F-6	070-0059-0001-ID W	1311, 8151A, 8151/DOD	P	1 mL	1	1 mL	1 g	DOD - MS for Pest, MS for BNAs	

Batch Notes	
Tumbler Rotations per Minute	A, B, C = 31rpm

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Batch Number: 69372 Batch Start Date: 12/19/12 09:51 Batch Analyst: Earle, Steve

Batch Method: 8151A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	InitialAmount	FirstAdjustpH	SecondAdjustpH	FinalAmount	EXHEASPIKEW 00007
240-18735-L-3	070-0056-0001-SOURCE WATER	8151A, 8151/DOD	T	7 SU	500 mL	12	2	100 mL	
240-18735-J-4	070-0057-0001-SOURCE WATER	8151A, 8151/DOD	T	7 SU	500 mL	12	2	100 mL	
MB 240-69372/21		8151A, 8151/DOD		7 SU	500 mL	12	2	100 mL	
LCS 240-69372/22		8151A, 8151/DOD		7 SU	500 mL	12	2	100 mL	1 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	EXHERBSURR 00012					
240-18735-L-3	070-0056-0001-SOURCE WATER	8151A, 8151/DOD	T	1 mL					
240-18735-J-4	070-0057-0001-SOURCE WATER	8151A, 8151/DOD	T	1 mL					
MB 240-69372/21		8151A, 8151/DOD		1 mL					
LCS 240-69372/22		8151A, 8151/DOD		1 mL					

Batch Notes	
Diethyl Ether Lot #	693500
Sulfuric Acid Lot Number	711898
Hexane Lot#	671338
MeCL2 Lot #	797357
Na2SO4, Acidified Lot #	677451
NaCL Lot #	294619
NaOH Lot #	711885
Silica Gel Lot Number	001550
TMSDM Lot #	347067

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Batch Number: 70010 Batch Start Date: 12/24/12 10:38 Batch Analyst: Matthews, Brandon

Batch Method: 8151A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	InitialAmount	FirstAdjustpH	SecondAdjustpH	FinalAmount	EXHERBTSPIKEW 00007
240-18735-C-5-B	070-0058-0001-IDW	8151A, 8151/DOD	P	5 SU	100 mL	12	2	10 mL	
240-18735-C-5-B MS	070-0058-0001-IDW	8151A, 8151/DOD	P	5 SU	100 mL	12	2	10 mL	1 mL
240-18735-F-6-B	070-0059-0001-IDW	8151A, 8151/DOD	P	8 SU	100 mL	12	2	10 mL	
MB 240-70010/4		8151A, 8151/DOD		5 SU	100 mL	12	2	10 mL	
LCS 240-70010/5		8151A, 8151/DOD		5 SU	100 mL	12	2	10 mL	1 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	EXTCLPHERBSUR 00012					
240-18735-C-5-B	070-0058-0001-IDW	8151A, 8151/DOD	P	1 mL					
240-18735-C-5-B MS	070-0058-0001-IDW	8151A, 8151/DOD	P	1 mL					
240-18735-F-6-B	070-0059-0001-IDW	8151A, 8151/DOD	P	1 mL					
MB 240-70010/4		8151A, 8151/DOD		1 mL					
LCS 240-70010/5		8151A, 8151/DOD		1 mL					

Batch Notes	
Diethyl Ether Lot #	693501
Sulfuric Acid Lot Number	711901
Hexane Lot#	804965
MeCL2 Lot #	797369
Na2SO4, Acidified Lot #	677446
NaCL Lot #	294619
NaOH Lot #	711885
Silica Gel Lot Number	001550
TMSDM Lot #	347067

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Batch Number: 70010 Batch Start Date: 12/24/12 10:38 Batch Analyst: Matthews, Brandon

Batch Method: 8151A Batch End Date:

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8330 Nitroguanidine

Nitroguanidine (HPLC) by Method 8330

FORM III
HPLC/IC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low Lab File ID: 320-0001969-052-1.d

Lab ID: LCS 320-7807/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Nitroguanidine	250	255	102	73-117	

Column to be used to flag recovery and RPD values

FORM III 8330 Modified

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Lab File ID: 320-0001969-050-1.d Lab Sample ID: MB 320-7807/1-A

Matrix: Water Date Extracted: 12/24/2012 12:40

Instrument ID: PDA1 Date Analyzed: 12/27/2012 03:25

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 320-7807/2-A	320-0001969-052-1.d	12/27/2012 03:54
070-0056-0001-SOURCE WATER	240-18735-3	320-0001969-056-1.d	12/27/2012 04:51
070-0057-0001-SOURCE WATER	240-18735-4	320-0001969-057-1.d	12/27/2012 05:06

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Client Sample ID: 070-0056-0001-SOURCE Lab Sample ID: 240-18735-3

Matrix: Water Lab File ID: 320-0001969-056-1.d

Analysis Method: 8330 Modified Date Collected: 12/12/2012 13:00

Extraction Method: Filtration Date Extracted: 12/24/2012 12:40

Sample wt/vol: 10(mL) Date Analyzed: 12/27/2012 04:51

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 50(uL) GC Column: Luna NH2 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 7855 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	Nitroguanidine	6.0	U	20	6.0	2.4

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-056-1.d		
Lims ID:	240-18735-Q-3-A	Client ID:	070-0056-0001-SOURCE WATER
Inject. Date:	27-Dec-2012 04:51:00	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	320-0001969-056 Analysis		
Misc. Info.:	none		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	7855	Lims Sample ID:	56
Detector:	GC 320-0001969-056-1		
Method:	\\SACChrom\ChromData\PDA1\20121226-1969.b\NGu Primary.m		
Last Update:	28-Dec-2012 09:14:30	Calib Date:	26-Dec-2012 14:30:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK013		

First Level Reviewer: noonanr Date: 28-Dec-2012 09:15:25

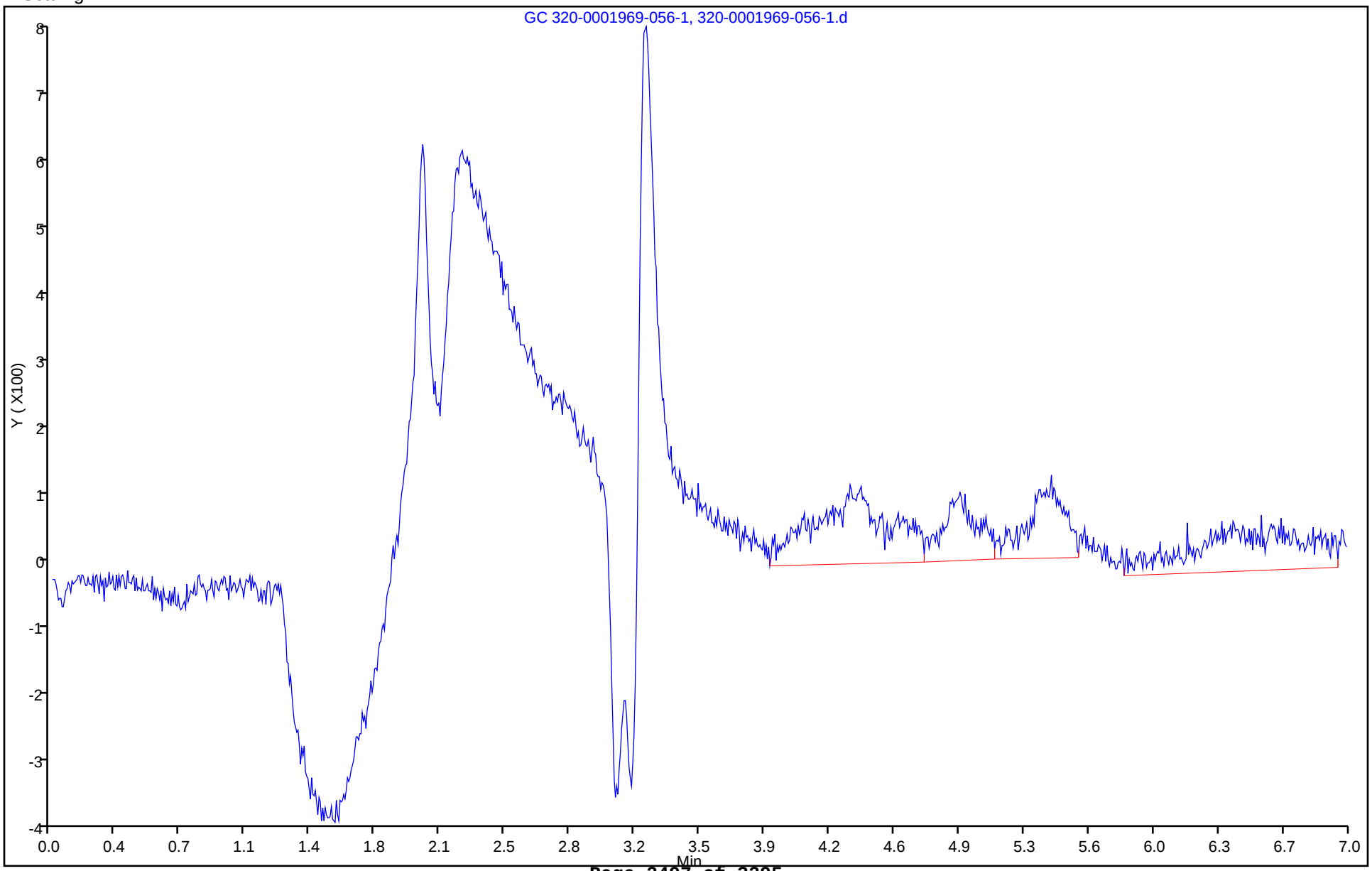
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

Report Date: 28-Dec-2012 09:15:25 Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-056-1.d		
Injection Date:	27-Dec-2012 04:51:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:	070-0056-0001-SOURCE WATER	Instrument ID:	PDA1
Lims Batch ID:	7855	Lims Sample ID:	56
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Client Sample ID: 070-0057-0001-SOURCE Lab Sample ID: 240-18735-4

Matrix: Water Lab File ID: 320-0001969-057-1.d

Analysis Method: 8330 Modified Date Collected: 12/12/2012 13:15

Extraction Method: Filtration Date Extracted: 12/24/2012 12:40

Sample wt/vol: 10(mL) Date Analyzed: 12/27/2012 05:06

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 50(uL) GC Column: Luna NH2 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 7855 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	Nitroguanidine	6.0	U	20	6.0	2.4

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-057-1.d		
Lims ID:	240-18735-Q-4-A	Client ID:	070-0057-0001-SOURCE WATER
Inject. Date:	27-Dec-2012 05:06:00	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	320-0001969-057 Analysis		
Misc. Info.:	none		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	7855	Lims Sample ID:	57
Detector:	GC 320-0001969-057-1		
Method:	\\SACChrom\ChromData\PDA1\20121226-1969.b\NGu Primary.m		
Last Update:	28-Dec-2012 09:09:44	Calib Date:	26-Dec-2012 14:30:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK013		

First Level Reviewer: noonanr Date: 28-Dec-2012 09:12:01

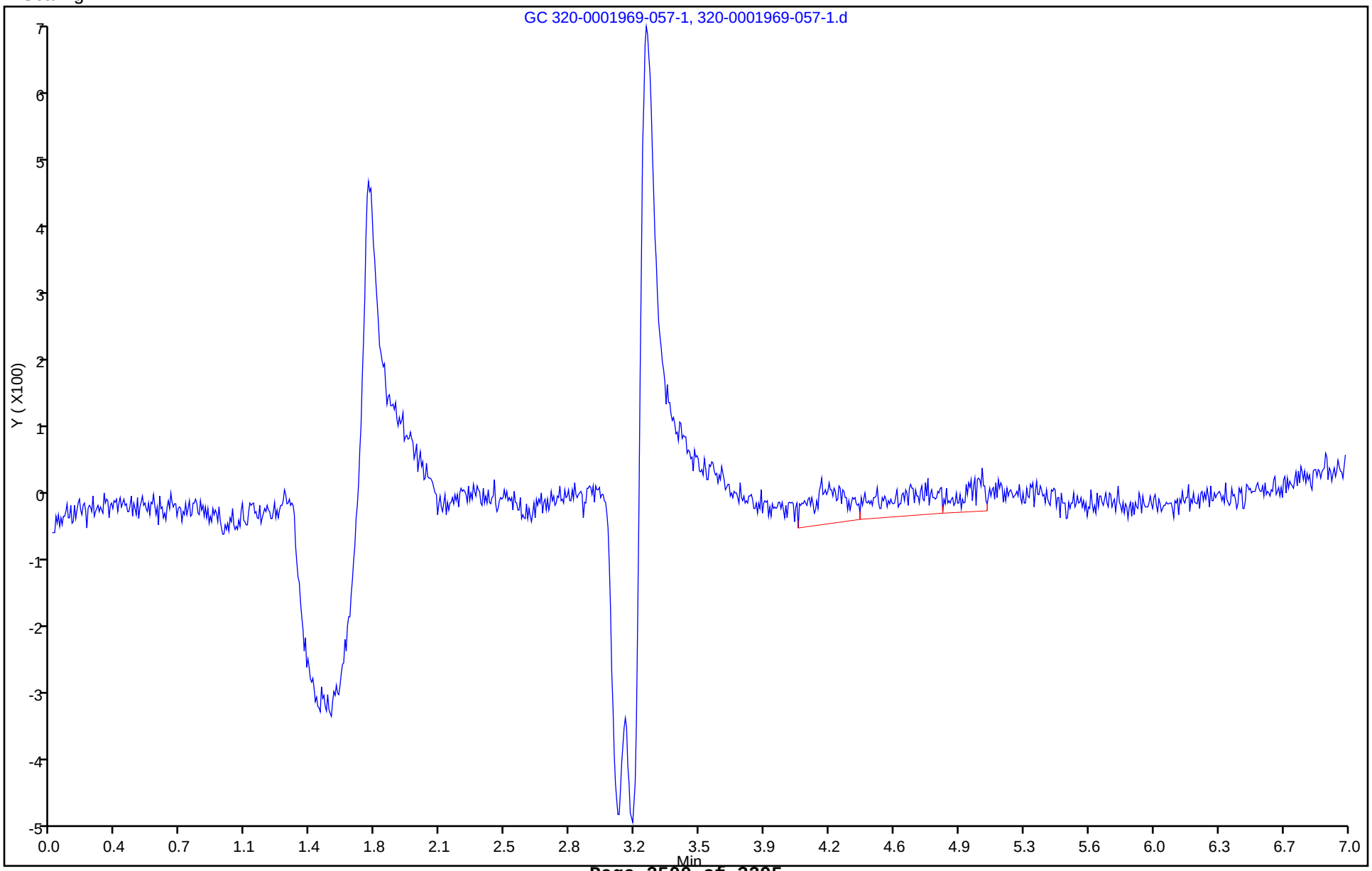
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

Report Date: 28-Dec-2012 09:12:01 Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-057-1.d		
Injection Date:	27-Dec-2012 05:06:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:	070-0057-0001-SOURCE WATER	Instrument ID:	PDA1
Lims Batch ID:	7855	Lims Sample ID:	57
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2 Analy Batch No.: 7846

SDG No.:

Instrument ID: PDA1 GC Column: Luna NH2 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/26/2012 13:18 Calibration End Date: 12/26/2012 14:30 Calibration ID: 1838

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD02 320-7846/4	320-0001966-004-1.d
Level 2	STD03 320-7846/5	320-0001966-005-1.d
Level 3	STD04 320-7846/6	320-0001966-006-1.d
Level 4	STD05 320-7846/7	320-0001966-007-1.d
Level 5	STD06 320-7846/8	320-0001966-008-1.d
Level 6	STD07 320-7846/9	320-0001966-009-1.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Nitroguanidine	4.293	4.287	4.273	4.253	4.273	4.273					4.017 - 4.517	4.275

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2 Analy Batch No.: 7846

SDG No.:

Instrument ID: PDA1 GC Column: Luna NH2 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/26/2012 13:18 Calibration End Date: 12/26/2012 14:30 Calibration ID: 1838

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD02 320-7846/4	320-0001966-004-1.d
Level 2	STD03 320-7846/5	320-0001966-005-1.d
Level 3	STD04 320-7846/6	320-0001966-006-1.d
Level 4	STD05 320-7846/7	320-0001966-007-1.d
Level 5	STD06 320-7846/8	320-0001966-008-1.d
Level 6	STD07 320-7846/9	320-0001966-009-1.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Nitroguanidine	38.050 35.454	36.420 34.641	36.210	36.055	Ave		36.1383333				3.1		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2 Analy Batch No.: 7846

SDG No.:

Instrument ID: PDA1 GC Column: Luna NH2 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/26/2012 13:18 Calibration End Date: 12/26/2012 14:30 Calibration ID: 1838

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD02 320-7846/4	320-0001966-004-1.d
Level 2	STD03 320-7846/5	320-0001966-005-1.d
Level 3	STD04 320-7846/6	320-0001966-006-1.d
Level 4	STD05 320-7846/7	320-0001966-007-1.d
Level 5	STD06 320-7846/8	320-0001966-008-1.d
Level 6	STD07 320-7846/9	320-0001966-009-1.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Nitroguanidine	Ave	761 34641	1821	3621	7211	17727	20.0 1000	50.0	100	200	500

Curve Type Legend:
Ave = Average by Height

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-004-1.d		
Lims ID:	std02	Client ID:	
Inject. Date:	26-Dec-2012 13:18:00	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	320-0001966-004 Analysis		
Misc. Info.:	none STD05		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	7846	Lims Sample ID:	4
Sublist:	chrom-NGu Primary*sub1		
Detector:	GC 320-0001966-004-1		
Method:	\\SACChrom\ChromData\PDA1\20121226-1966.b\NGu Primary.m		
Last Update:	26-Dec-2012 15:10:29	Calib Date:	26-Dec-2012 14:30:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK028		

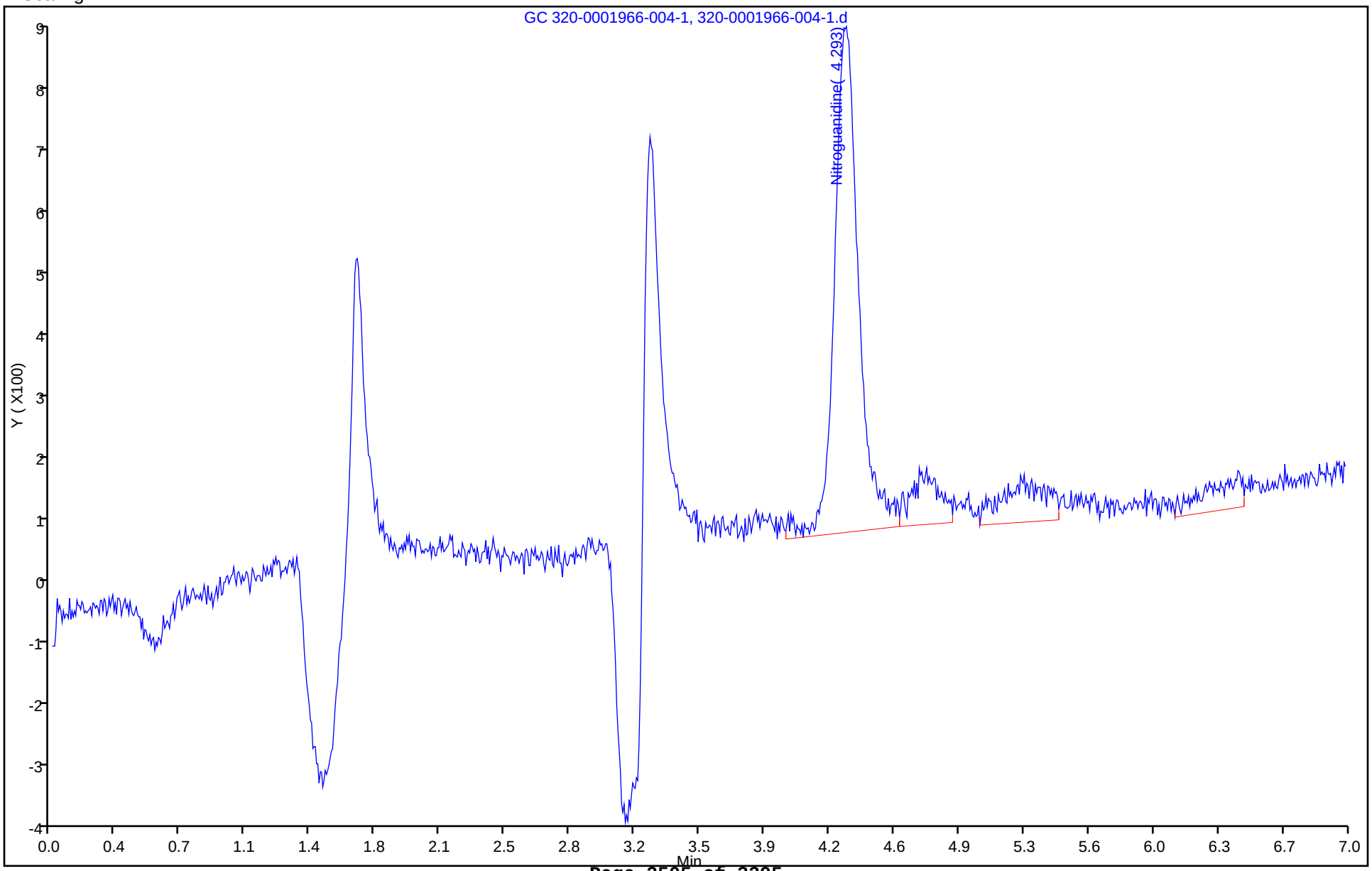
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.293	4.267	0.026	761	21.1	

Report Date: 26-Dec-2012 15:10:30 Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-004-1.d		
Injection Date:	26-Dec-2012 13:18:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	7846	Lims Sample ID:	4
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-005-1.d		
Lims ID:	std03	Client ID:	
Inject. Date:	26-Dec-2012 13:32:00	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	320-0001966-005 Analysis		
Misc. Info.:	none STD05		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	7846	Lims Sample ID:	5
Sublist:	chrom-NGu Primary*sub1		
Detector:	GC 320-0001966-005-1		
Method:	\\SACChrom\ChromData\PDA1\20121226-1966.b\NGu Primary.m		
Last Update:	26-Dec-2012 15:10:30	Calib Date:	26-Dec-2012 14:30:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK028		

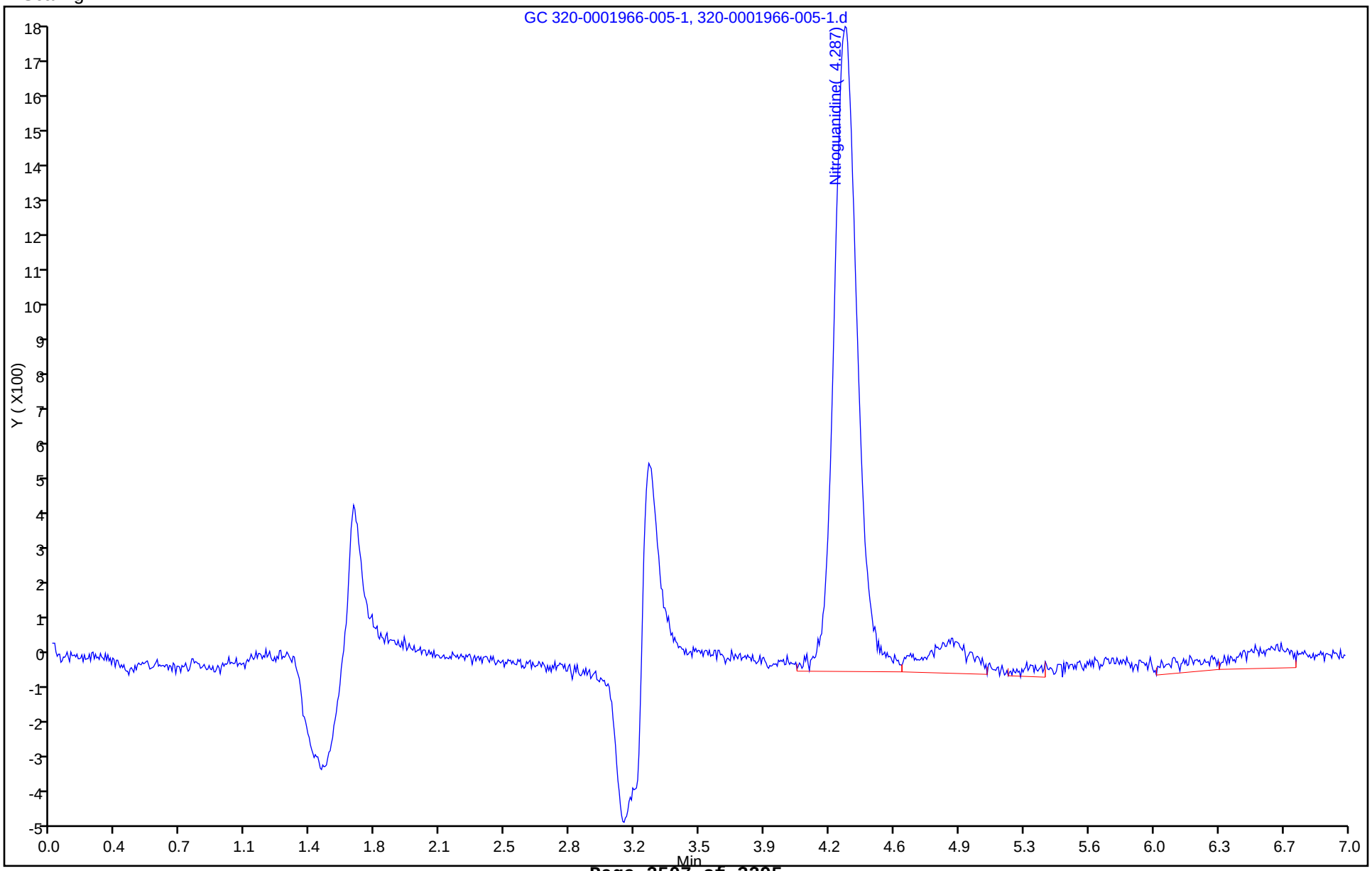
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.287	4.267	0.020	1821	50.4	

Report Date: 26-Dec-2012 15:10:30 Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-005-1.d		
Injection Date:	26-Dec-2012 13:32:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	7846	Lims Sample ID:	5
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-006-1.d		
Lims ID:	std04	Client ID:	
Inject. Date:	26-Dec-2012 13:47:00	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	320-0001966-006 Analysis		
Misc. Info.:	none STD05		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	7846	Lims Sample ID:	6
Sublist:	chrom-NGu Primary*sub1		
Detector:	GC 320-0001966-006-1		
Method:	\\SACChrom\ChromData\PDA1\20121226-1966.b\NGu Primary.m		
Last Update:	26-Dec-2012 15:16:28	Calib Date:	26-Dec-2012 14:30:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK028		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.273	4.267	0.006	3621	100.2	

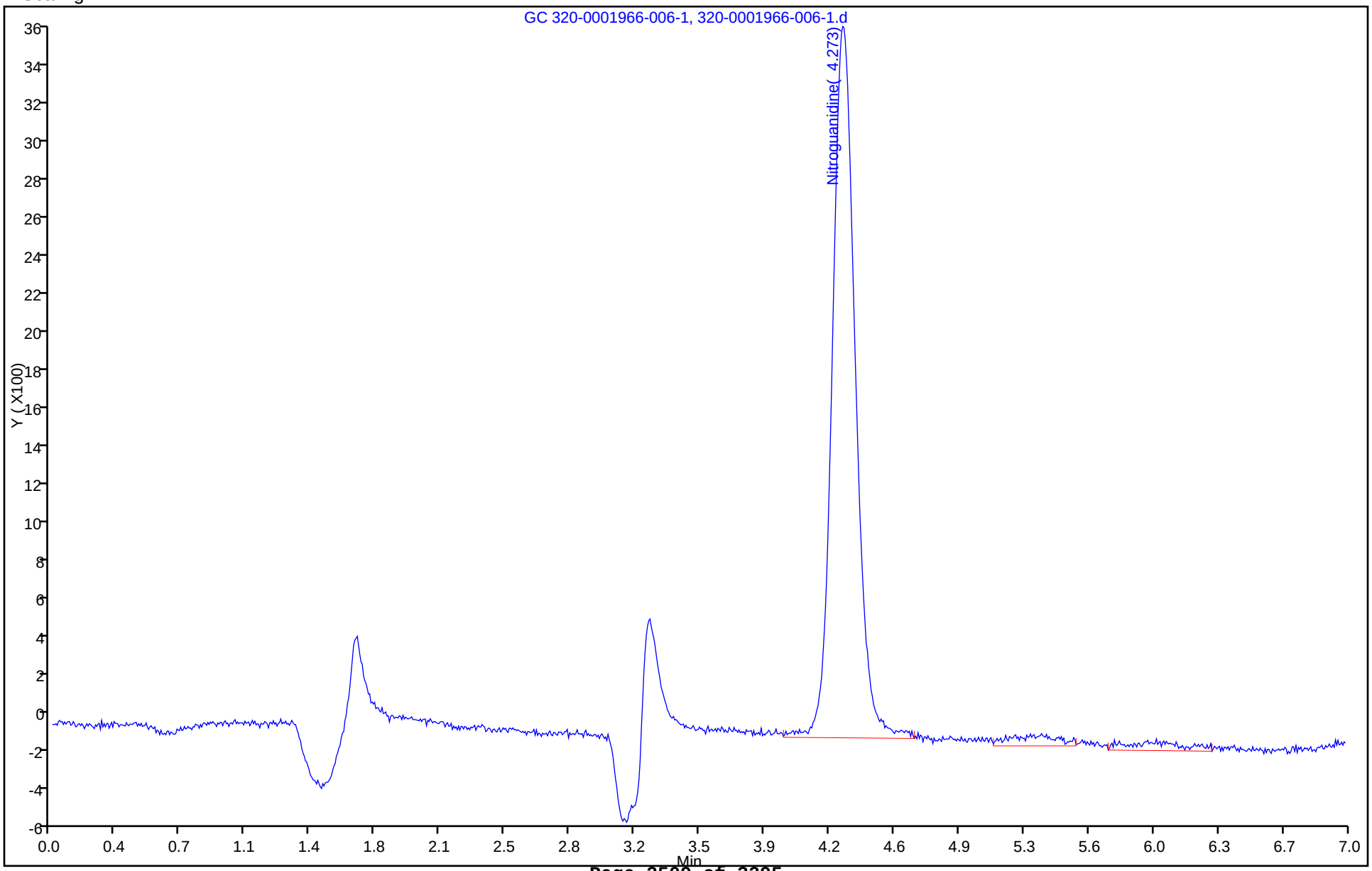
Report Date: 26-Dec-2012 15:16:28 Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-006-1.d

Injection Date:	26-Dec-2012 13:47:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	7846	Lims Sample ID:	6
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-007-1.d		
Lims ID:	std05	Client ID:	
Inject. Date:	26-Dec-2012 14:01:00	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	320-0001966-007 Analysis		
Misc. Info.:	none STD05		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	7846	Lims Sample ID:	7
Sublist:	chrom-NGu Primary*sub1		
Detector:	GC 320-0001966-007-1		
Method:	\\SACChrom\ChromData\PDA1\20121226-1966.b\NGu Primary.m		
Last Update:	26-Dec-2012 15:10:30	Calib Date:	26-Dec-2012 14:30:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK028		

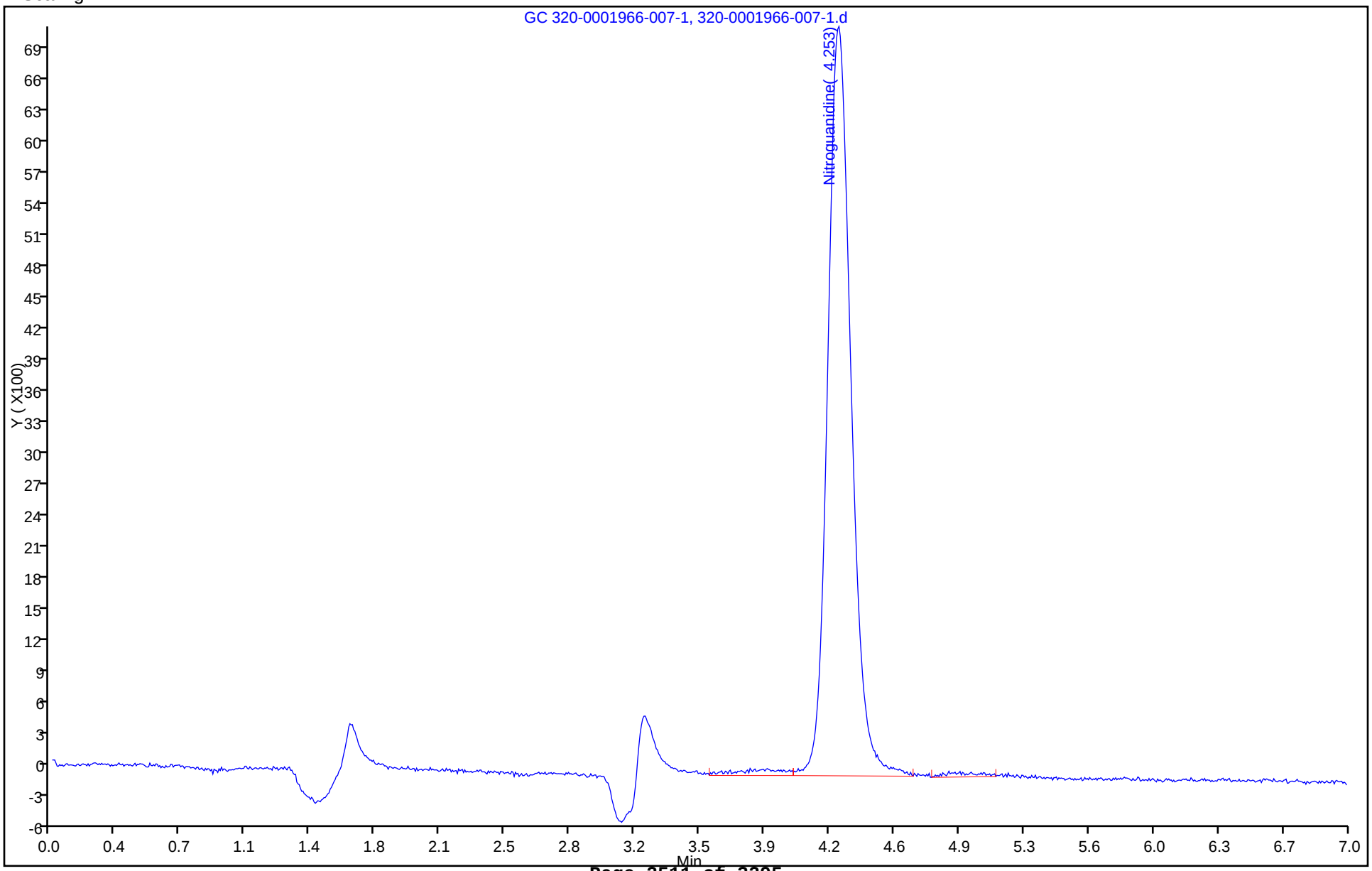
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.253	4.253	0.0	7211	199.5	

Report Date: 26-Dec-2012 15:10:30 Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-007-1.d		
Injection Date:	26-Dec-2012 14:01:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	7846	Lims Sample ID:	7
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-008-1.d		
Lims ID:	std06	Client ID:	
Inject. Date:	26-Dec-2012 14:15:00	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	320-0001966-008 Analysis		
Misc. Info.:	none MRL		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	7846	Lims Sample ID:	8
Sublist:	chrom-NGu Primary*sub1		
Detector:	GC 320-0001966-008-1		
Method:	\\SACChrom\ChromData\PDA1\20121226-1966.b\NGu Primary.m		
Last Update:	26-Dec-2012 15:10:31	Calib Date:	26-Dec-2012 14:30:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK028		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.273	4.253	0.020	17727	490.5	

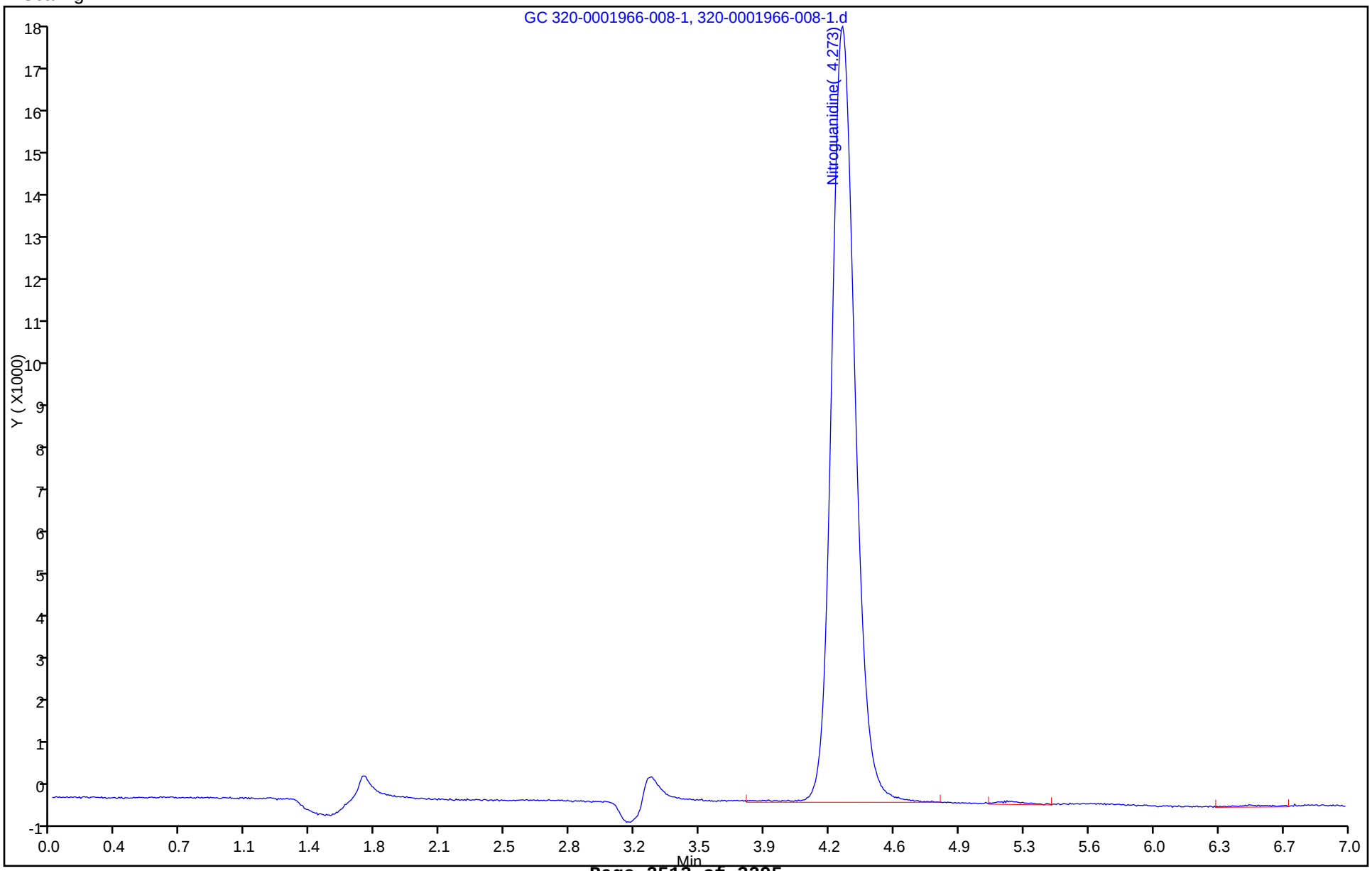
Report Date: 26-Dec-2012 15:10:31 Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-008-1.d

Injection Date:	26-Dec-2012 14:15:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	7846	Lims Sample ID:	8
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d		
Lims ID:	std07	Client ID:	
Inject. Date:	26-Dec-2012 14:30:00	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	320-0001966-009 Analysis		
Misc. Info.:	none STD05		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	7846	Lims Sample ID:	9
Sublist:	chrom-NGu Primary*sub1		
Detector:	GC 320-0001966-009-1		
Method:	\\SACChrom\ChromData\PDA1\20121226-1966.b\NGu Primary.m		
Last Update:	26-Dec-2012 15:10:31	Calib Date:	26-Dec-2012 14:30:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK028		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.273	4.253	0.020	34641	958.6	

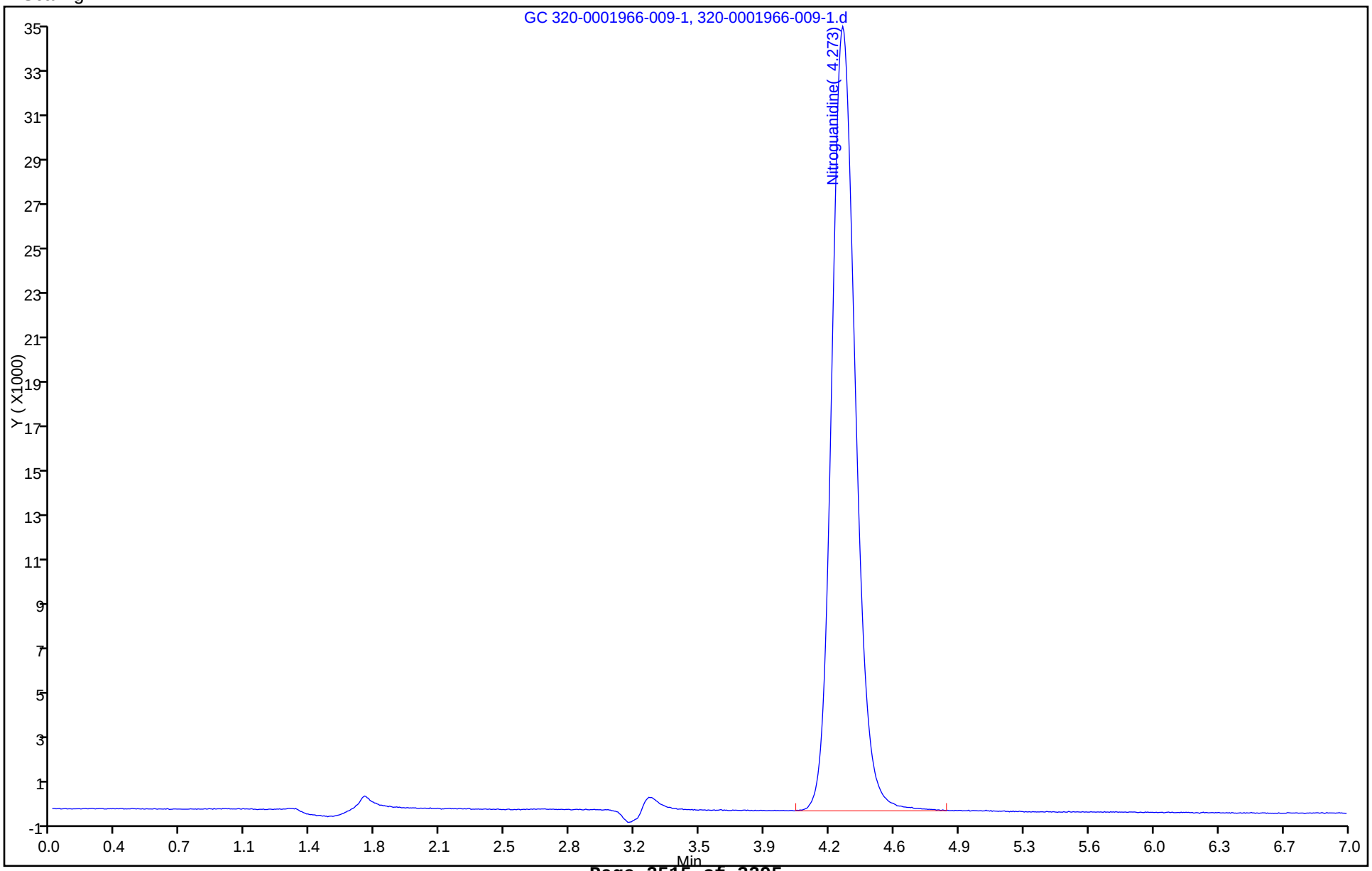
Report Date: 26-Dec-2012 15:10:31 Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d

Injection Date:	26-Dec-2012 14:30:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	7846	Lims Sample ID:	9
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 320-7846/11 Calibration Date: 12/26/2012 14:58

Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 12/26/2012 14:30

Lab File ID: 320-0001966-011-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	36.14	36.45		202	200	0.9	15.0

FORM VII 8330 Modified

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 320-7846/11 Calibration Date: 12/26/2012 14:58

Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 12/26/2012 14:30

Lab File ID: 320-0001966-011-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.27	4.02	4.52

Form VII 8330 Modified

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-011-1.d		
Lims ID:	icv	Client ID:	
Inject. Date:	26-Dec-2012 14:58:00	Dil. Factor:	1.0000
Sample Type:	ICV		
Sample ID:	320-0001966-011 Analysis		
Misc. Info.:	none STD05		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	7846	Lims Sample ID:	11
Sublist:			
Detector:	GC 320-0001966-011-1		
Method:	\\SACChrom\ChromData\PDA1\20121226-1966.b\NGu Primary.m		
Last Update:	26-Dec-2012 15:16:14	Calib Date:	26-Dec-2012 14:30:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK028		

First Level Reviewer: noonanr Date: 26-Dec-2012 15:10:29

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.267	4.267	0.0	7290	201.7	

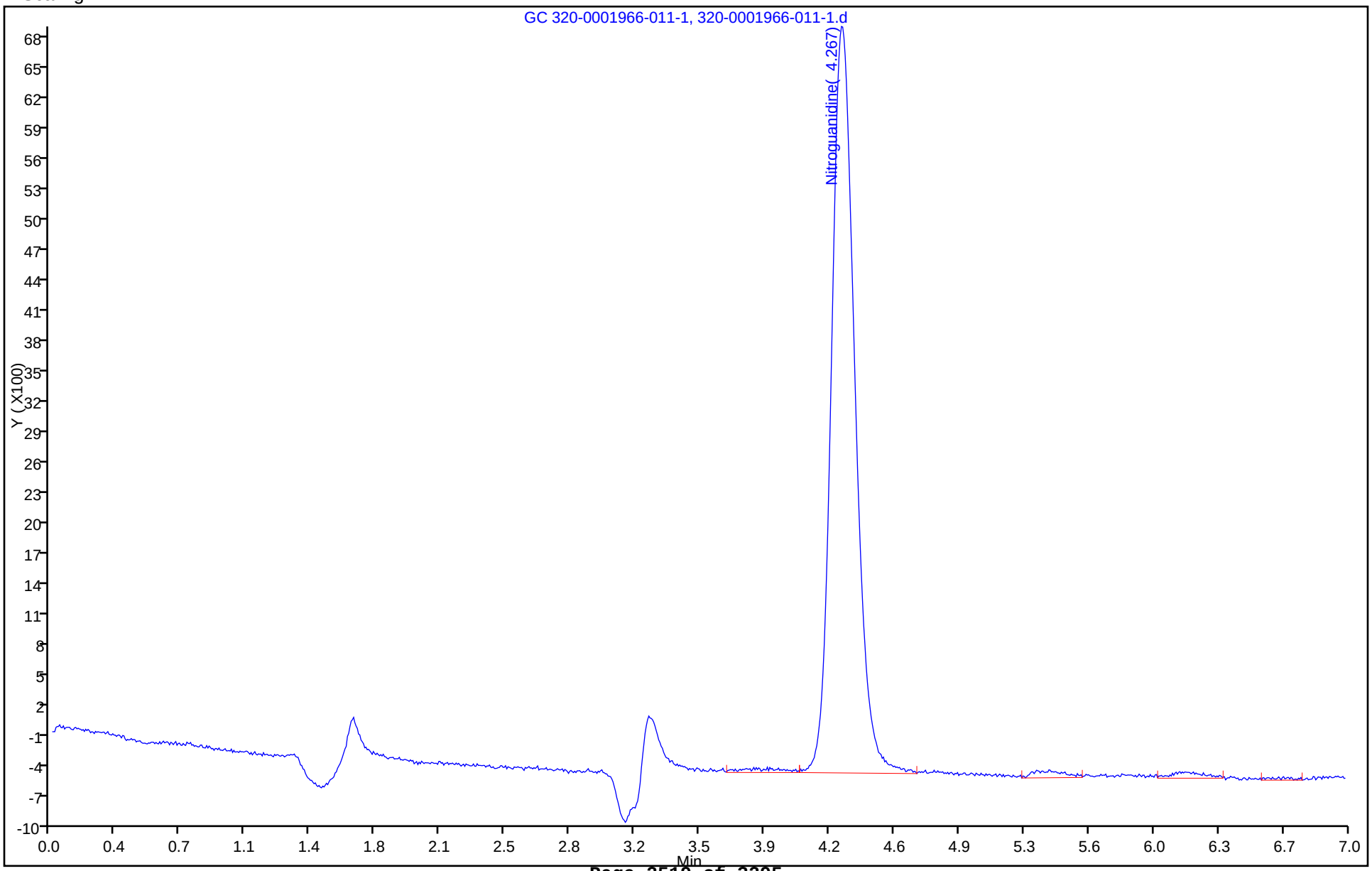
Report Date: 26-Dec-2012 15:16:14 Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-011-1.d

Injection Date:	26-Dec-2012 14:58:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	7846	Lims Sample ID:	11
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Lab Sample ID: LODV 320-7846/12 Calibration Date: 12/26/2012 15:13

Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 12/26/2012 14:30

Lab File ID: 320-0001966-012-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	36.14	36.40		5.04	5.00	0.7	

FORM VII 8330 Modified

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Lab Sample ID: LODV 320-7846/12 Calibration Date: 12/26/2012 15:13

Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 12/26/2012 14:30

Lab File ID: 320-0001966-012-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.27	3.98	4.48

Form VII 8330 Modified

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-012-1.d		
Lims ID:	LODV	Client ID:	
Inject. Date:	26-Dec-2012 15:13:00	Dil. Factor:	1.0000
Sample Type:	LODV		
Sample ID:	320-0001966-012 Analysis		
Misc. Info.:	none STD05		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	7846	Lims Sample ID:	12
Detector:	GC 320-0001966-012-1		
Method:	\\SACChrom\ChromData\PDA1\20121226-1966.b\NGu Primary.m		
Last Update:	26-Dec-2012 15:39:48	Calib Date:	26-Dec-2012 14:30:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK028		

First Level Reviewer: noonanr Date: 26-Dec-2012 15:39:48

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					M
4.267	4.233	0.034	182	5.04	M

QC Flag Legend

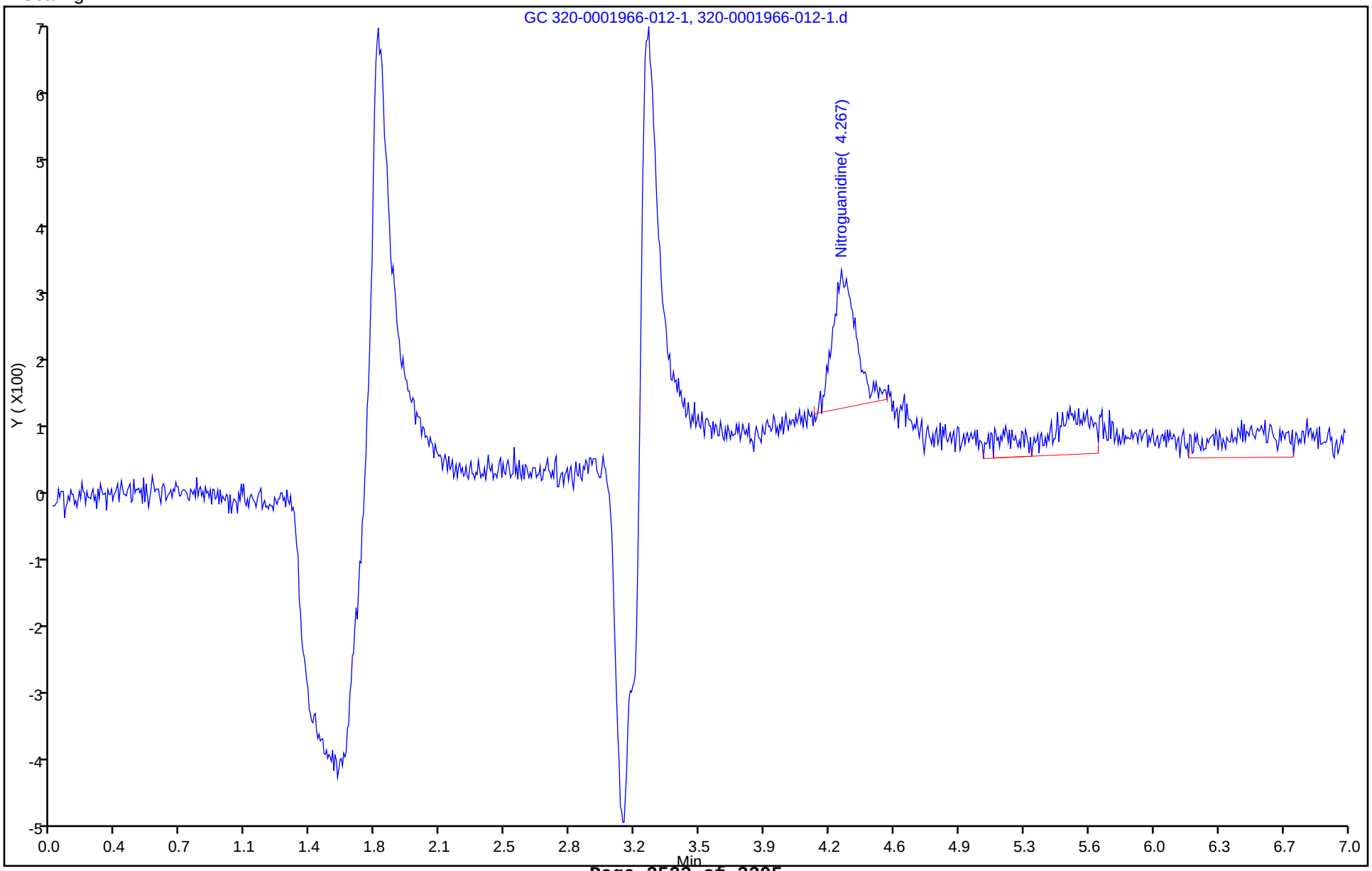
Review Flags
M - Manually Integrated

Report Date: 26-Dec-2012 15:39:48 Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-012-1.d		
Injection Date:	26-Dec-2012 15:13:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	7846	Lims Sample ID:	12
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



Manual Integration/User Assign Peak Report

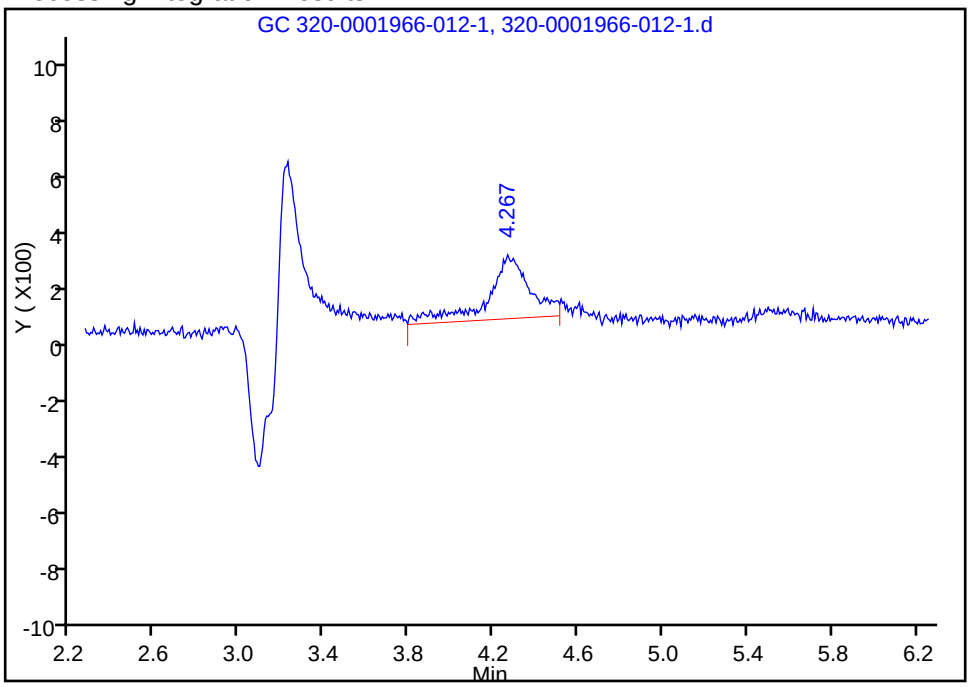
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-012-1.d		
Injection Date:	26-Dec-2012 15:13:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	7846	Lims Sample ID:	12
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

1 Nitroguanidine, Signal: 1, Type: quant, RT: 4.23

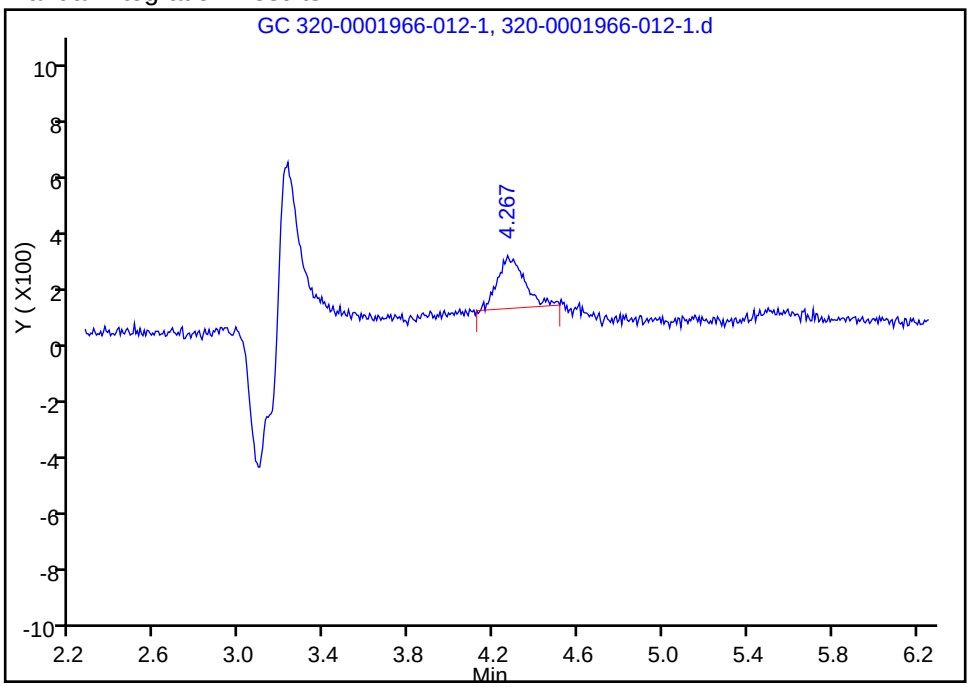
Processing Integration Results

RT: 4.27
Response: 220
Amount: 6.087718



Manual Integration Results

RT: 4.27
Response: 182
Amount: 5.036203



Reviewer: noonanr, 26-Dec-2012 15:39:48
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCVL 320-7846/13 Calibration Date: 12/26/2012 15:27

Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 12/26/2012 14:30

Lab File ID: 320-0001966-013-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	36.14	39.30		21.7	20.0	8.7	30.0

FORM VII 8330 Modified

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCVL 320-7846/13 Calibration Date: 12/26/2012 15:27

Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 12/26/2012 14:30

Lab File ID: 320-0001966-013-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.23	3.98	4.48

Form VII 8330 Modified

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-013-1.d		
Lims ID:	CCVL	Client ID:	
Inject. Date:	26-Dec-2012 15:27:00	Dil. Factor:	1.0000
Sample Type:	CCVL		
Sample ID:	320-0001966-013 Analysis		
Misc. Info.:	none STD05		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	7846	Lims Sample ID:	13
Sublist:	chrom-NGu Primary*sub1		
Detector:	GC 320-0001966-013-1		
Method:	\\SACChrom\ChromData\PDA1\20121226-1966.b\NGu Primary.m		
Last Update:	26-Dec-2012 15:40:04	Calib Date:	26-Dec-2012 14:30:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK028		

First Level Reviewer: noonanr Date: 26-Dec-2012 15:40:04

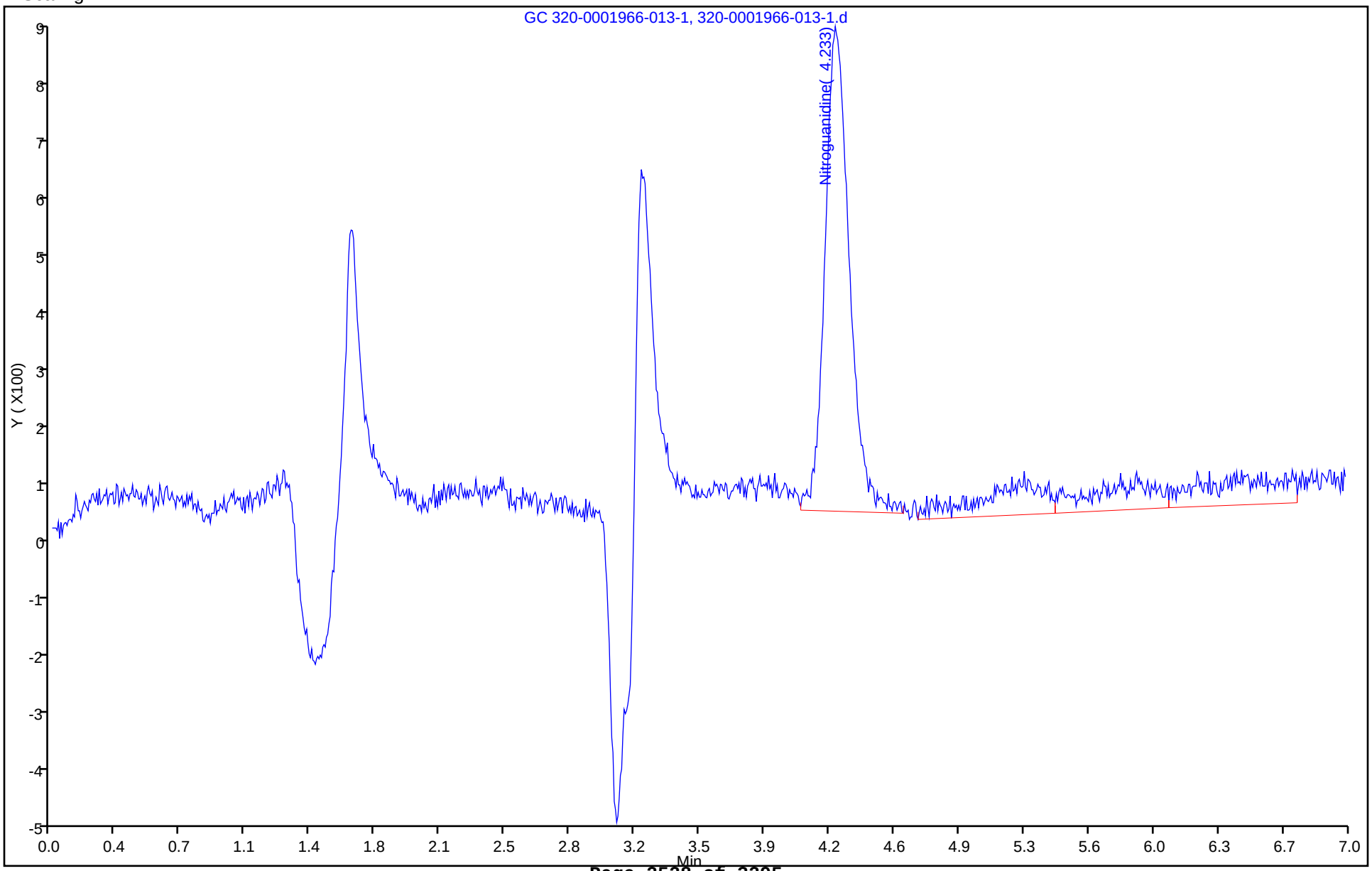
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.233	4.233	0.0	786	21.7	

Report Date: 26-Dec-2012 15:40:05 Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-013-1.d		
Injection Date:	26-Dec-2012 15:27:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	7846	Lims Sample ID:	13
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 320-7855/42 Calibration Date: 12/27/2012 01:31

Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 12/26/2012 14:30

Lab File ID: 320-0001969-042-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	36.14	37.68		104	100	4.3	15.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 320-7855/42 Calibration Date: 12/27/2012 01:31

Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 12/26/2012 14:30

Lab File ID: 320-0001969-042-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.25	4.00	4.50

Form VII 8330 Modified

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-042-1.d		
Lims ID:	ccv 04	Client ID:	
Inject. Date:	27-Dec-2012 01:31:00	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	320-0001969-042 Analysis		
Misc. Info.:	none		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	7855	Lims Sample ID:	42
Sublist:	chrom-NGu Primary*sub1		
Detector:	GC 320-0001969-042-1		
Method:	\\SACChrom\ChromData\PDA1\20121226-1969.b\NGu Primary.m		
Last Update:	28-Dec-2012 08:29:36	Calib Date:	26-Dec-2012 14:30:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK013		

First Level Reviewer: noonanr Date: 28-Dec-2012 08:29:36

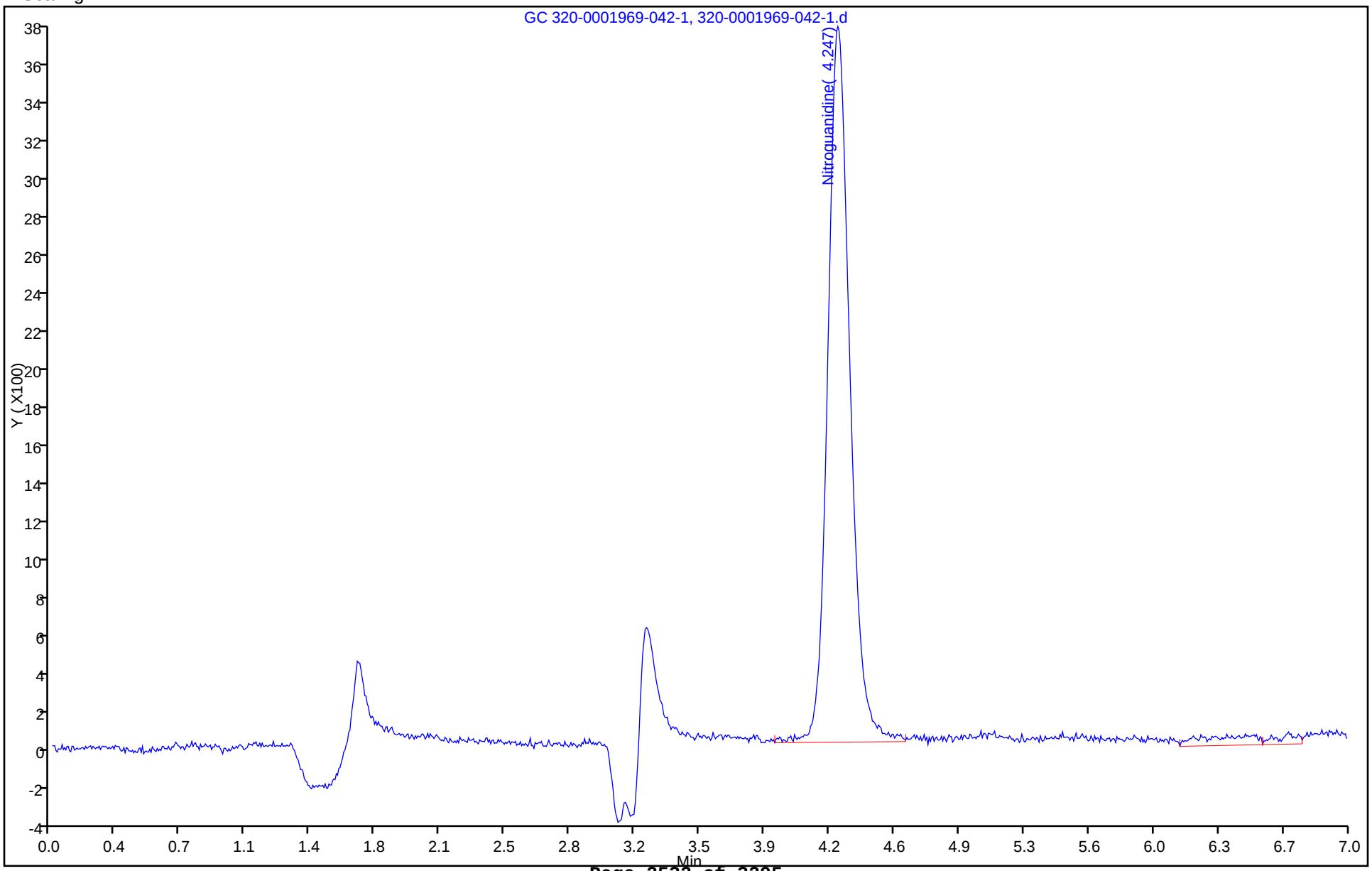
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.247	4.247	0.0	3768	104.3	

Report Date: 28-Dec-2012 08:29:36 Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-042-1.d		
Injection Date:	27-Dec-2012 01:31:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	7855	Lims Sample ID:	42
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 320-7855/51 Calibration Date: 12/27/2012 03:40

Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 12/26/2012 14:30

Lab File ID: 320-0001969-051-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	36.14	37.86		105	100	4.8	15.0

FORM VII 8330 Modified

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 320-7855/51 Calibration Date: 12/27/2012 03:40

Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 12/26/2012 14:30

Lab File ID: 320-0001969-051-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.24	3.99	4.49

Form VII 8330 Modified

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-051-1.d		
Lims ID:	ccv 04	Client ID:	
Inject. Date:	27-Dec-2012 03:40:00	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	320-0001969-051 Analysis		
Misc. Info.:	none		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	7855	Lims Sample ID:	51
Sublist:	chrom-NGu Primary*sub1		
Detector:	GC 320-0001969-051-1		
Method:	\\SACChrom\ChromData\PDA1\20121226-1969.b\NGu Primary.m		
Last Update:	28-Dec-2012 09:04:18	Calib Date:	26-Dec-2012 14:30:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK013		

First Level Reviewer: noonanr Date: 28-Dec-2012 09:04:18

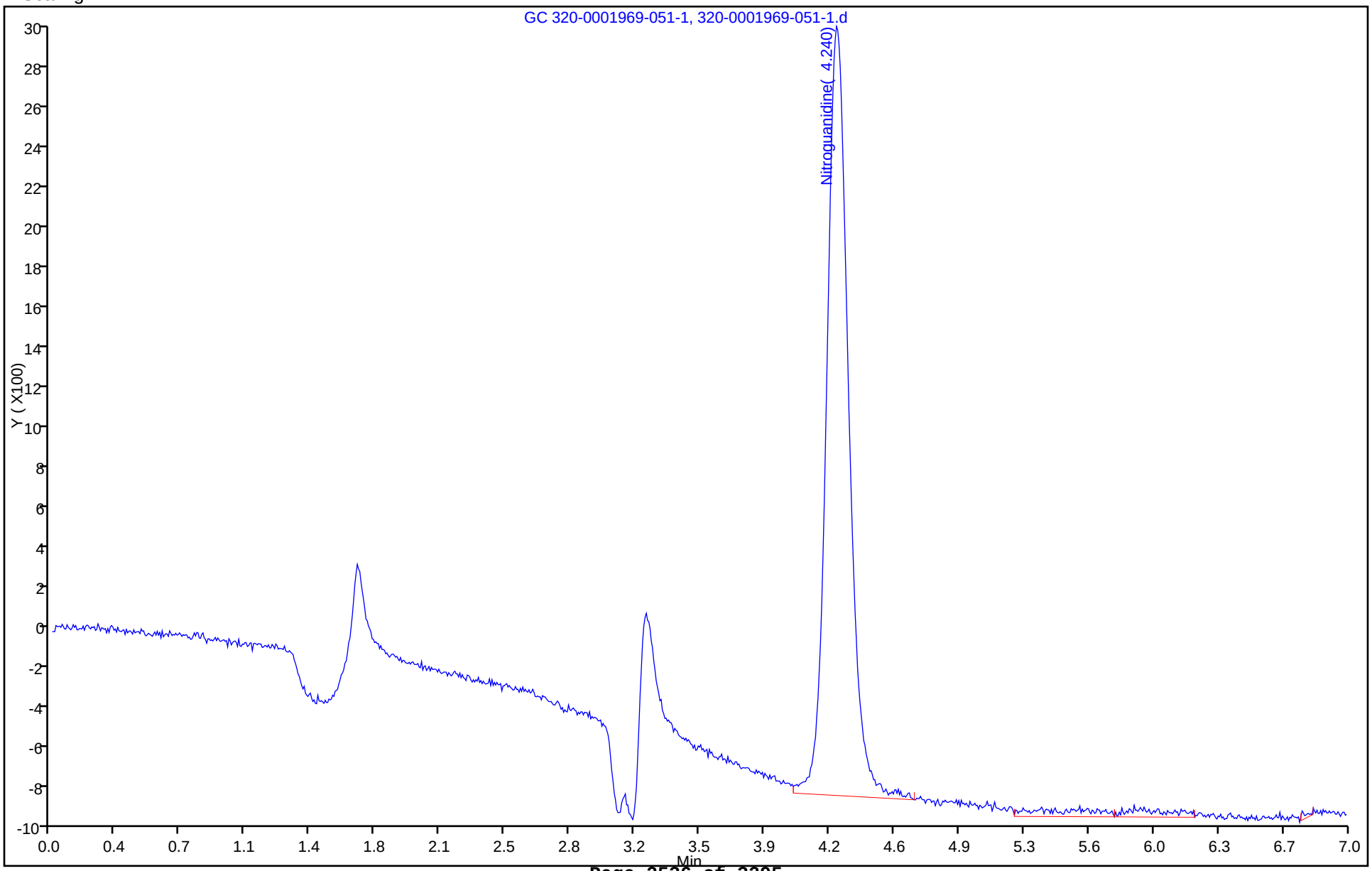
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.240	4.240	0.0	3786	104.8	

Report Date: 28-Dec-2012 09:04:18 Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-051-1.d		
Injection Date:	27-Dec-2012 03:40:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	7855	Lims Sample ID:	51
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 320-7855/58 Calibration Date: 12/27/2012 05:20

Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 12/26/2012 14:30

Lab File ID: 320-0001969-058-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	36.14	37.59		104	100	4.0	15.0

FORM VII 8330 Modified

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 320-7855/58 Calibration Date: 12/27/2012 05:20

Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 12/26/2012 14:30

Lab File ID: 320-0001969-058-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.26	4.01	4.51

Form VII 8330 Modified

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-058-1.d		
Lims ID:	ccv 04	Client ID:	
Inject. Date:	27-Dec-2012 05:20:00	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	320-0001969-058 Analysis		
Misc. Info.:	none		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	7855	Lims Sample ID:	58
Sublist:	chrom-NGu Primary*sub1		
Detector:	GC 320-0001969-058-1		
Method:	\\SACChrom\ChromData\PDA1\20121226-1969.b\NGu Primary.m		
Last Update:	28-Dec-2012 09:13:22	Calib Date:	26-Dec-2012 14:30:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK013		

First Level Reviewer: noonanr Date: 28-Dec-2012 09:13:22

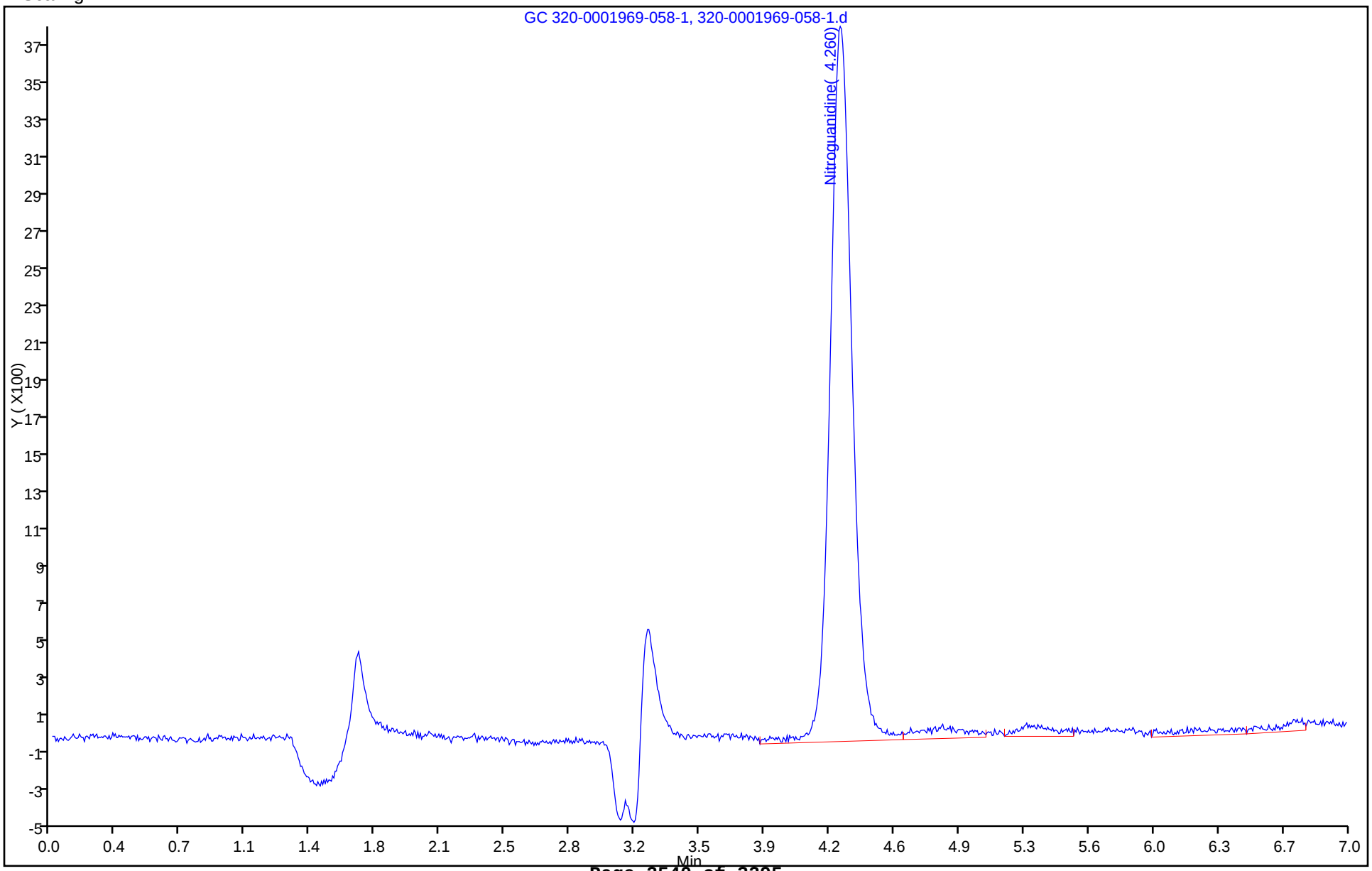
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.260	4.260	0.0	3759	104.0	

Report Date: 28-Dec-2012 09:13:22 Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-058-1.d		
Injection Date:	27-Dec-2012 05:20:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	7855	Lims Sample ID:	58
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCVL 320-7855/59 Calibration Date: 12/27/2012 05:34

Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 12/26/2012 14:30

Lab File ID: 320-0001969-059-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	36.14	39.70		22.0	20.0	9.9	30.0

FORM VII 8330 Modified

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCVL 320-7855/59 Calibration Date: 12/27/2012 05:34

Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 12/26/2012 14:30

Lab File ID: 320-0001969-059-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.25	4.00	4.50

Form VII 8330 Modified

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-059-1.d		
Lims ID:	CCVL	Client ID:	
Inject. Date:	27-Dec-2012 05:34:00	Dil. Factor:	1.0000
Sample Type:	CCVL		
Sample ID:	320-0001969-059 Analysis		
Misc. Info.:	none		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	7855	Lims Sample ID:	59
Sublist:	chrom-NGu Primary*sub1		
Detector:	GC 320-0001969-059-1		
Method:	\\SACChrom\ChromData\PDA1\20121226-1969.b\NGu Primary.m		
Last Update:	28-Dec-2012 09:14:30	Calib Date:	26-Dec-2012 14:30:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK013		

First Level Reviewer: noonanr Date: 28-Dec-2012 09:14:30

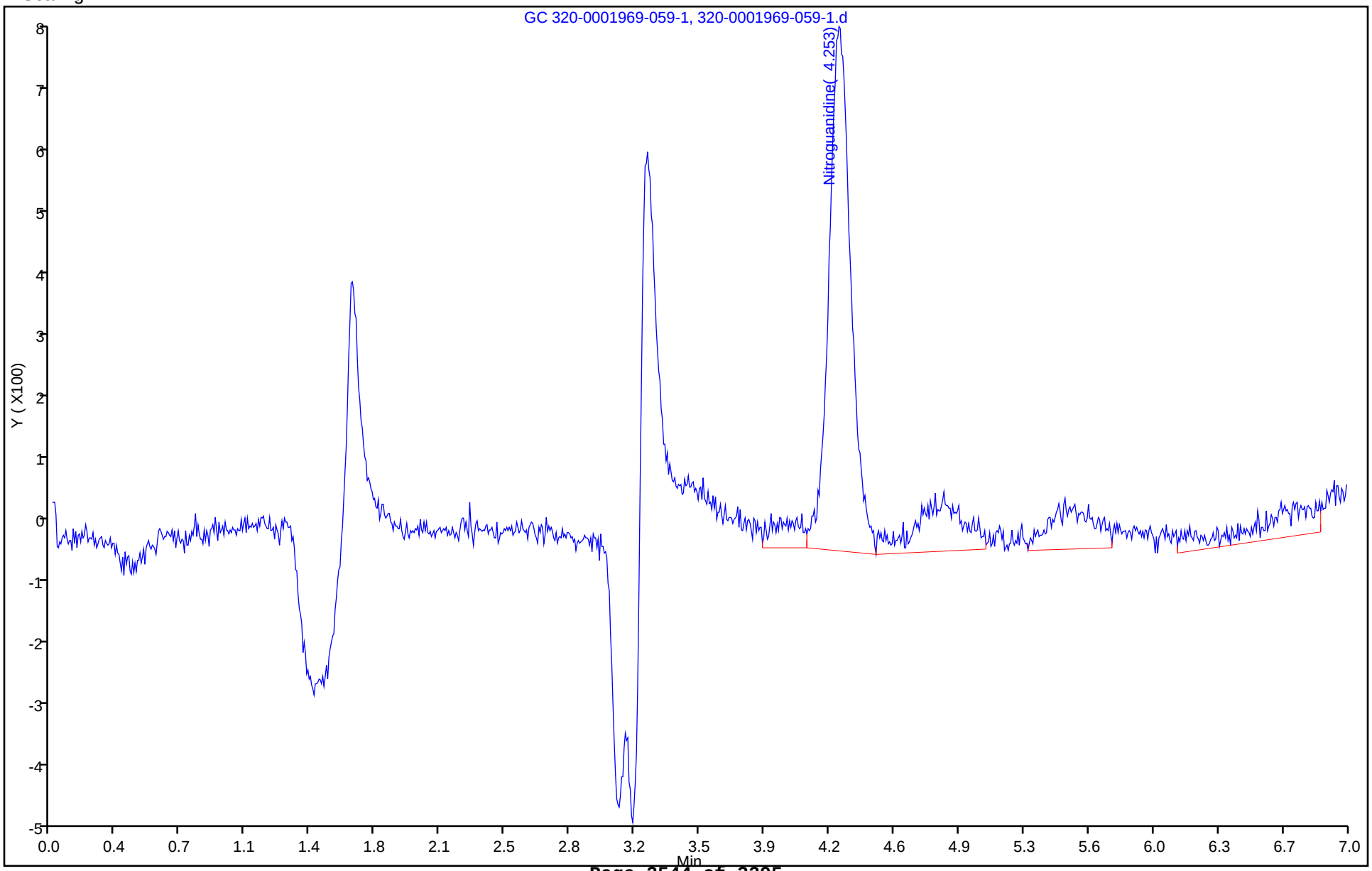
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.253	4.253	0.0	794	22.0	

Report Date: 28-Dec-2012 09:14:30 Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-059-1.d		
Injection Date:	27-Dec-2012 05:34:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	7855	Lims Sample ID:	59
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Client Sample ID: Lab Sample ID: MB 320-7807/1-A

Matrix: Water Lab File ID: 320-0001969-050-1.d

Analysis Method: 8330 Modified Date Collected:

Extraction Method: Filtration Date Extracted: 12/24/2012 12:40

Sample wt/vol: 10(mL) Date Analyzed: 12/27/2012 03:25

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 50(uL) GC Column: Luna NH2 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 7855 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	Nitroguanidine	6.0	U	20	6.0	2.4

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-050-1.d		
Lims ID:	MB 320-7807/1-A	Client ID:	
Inject. Date:	27-Dec-2012 03:25:00	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	320-0001969-050 Analysis		
Misc. Info.:	none		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	7855	Lims Sample ID:	50
Detector:	GC 320-0001969-050-1		
Method:	\\SACChrom\ChromData\PDA1\20121226-1969.b\NGu Primary.m		
Last Update:	28-Dec-2012 09:03:26	Calib Date:	26-Dec-2012 14:30:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK013		

First Level Reviewer: noonanr Date: 28-Dec-2012 09:04:05

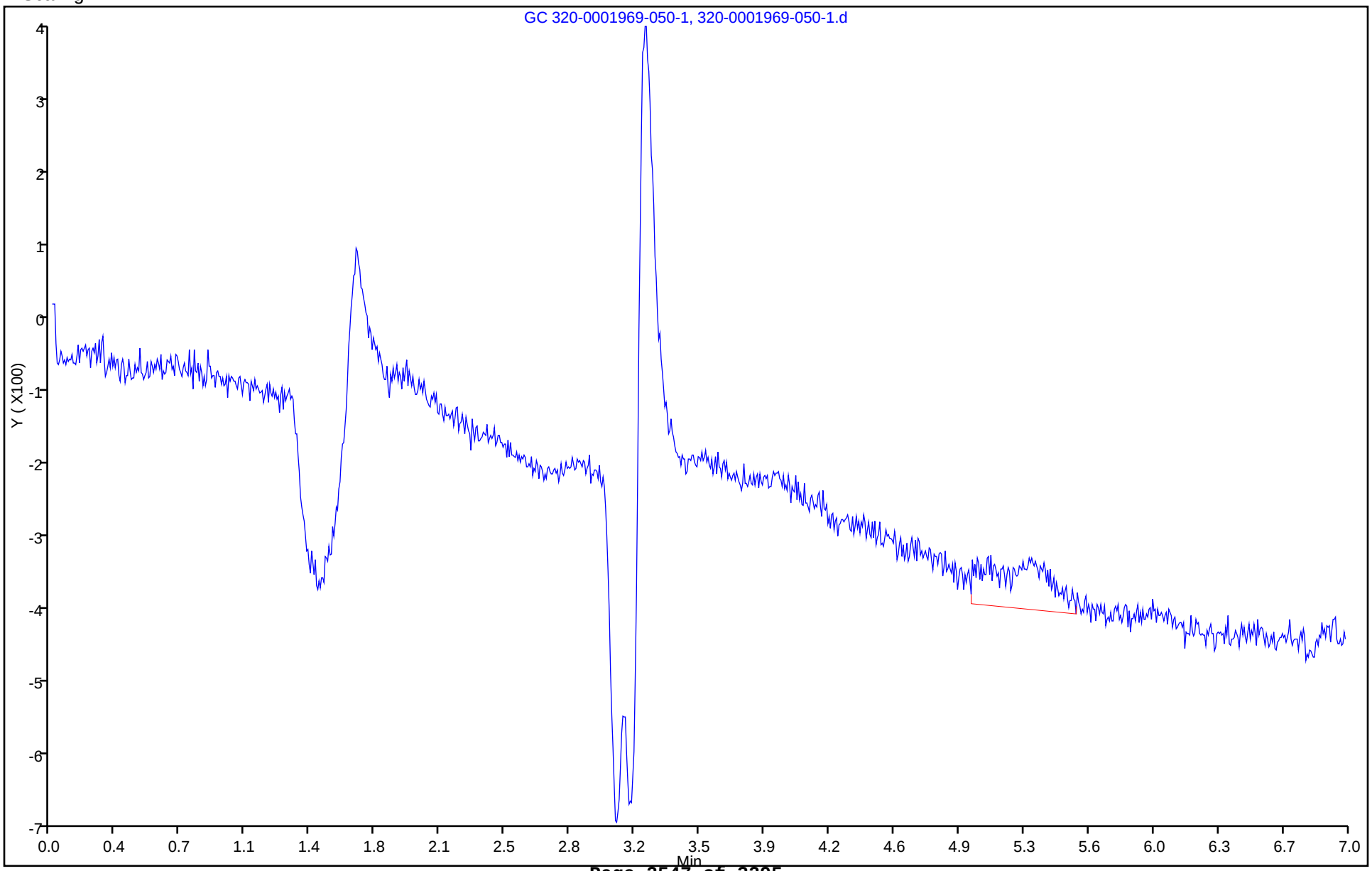
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

Report Date: 28-Dec-2012 09:04:05 Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-050-1.d		
Injection Date:	27-Dec-2012 03:25:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	7855	Lims Sample ID:	50
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Client Sample ID: Lab Sample ID: LCS 320-7807/2-A

Matrix: Water Lab File ID: 320-0001969-052-1.d

Analysis Method: 8330 Modified Date Collected:

Extraction Method: Filtration Date Extracted: 12/24/2012 12:40

Sample wt/vol: 10(mL) Date Analyzed: 12/27/2012 03:54

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 50(uL) GC Column: Luna NH2 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 7855 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	Nitroguanidine	255		20	6.0	2.4

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-052-1.d		
Lims ID:	LCS 320-7807/2-A	Client ID:	
Inject. Date:	27-Dec-2012 03:54:00	Dil. Factor:	1.0000
Sample Type:	LCS		
Sample ID:	320-0001969-052 Analysis		
Misc. Info.:	none		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	7855	Lims Sample ID:	52
Detector:	GC 320-0001969-052-1		
Method:	\\SACChrom\ChromData\PDA1\20121226-1969.b\NGu Primary.m		
Last Update:	28-Dec-2012 09:05:22	Calib Date:	26-Dec-2012 14:30:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK013		

First Level Reviewer: noonanr Date: 28-Dec-2012 09:05:22

	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1	Nitroguanidine					
	4.253	4.240	0.013	9211	254.9	

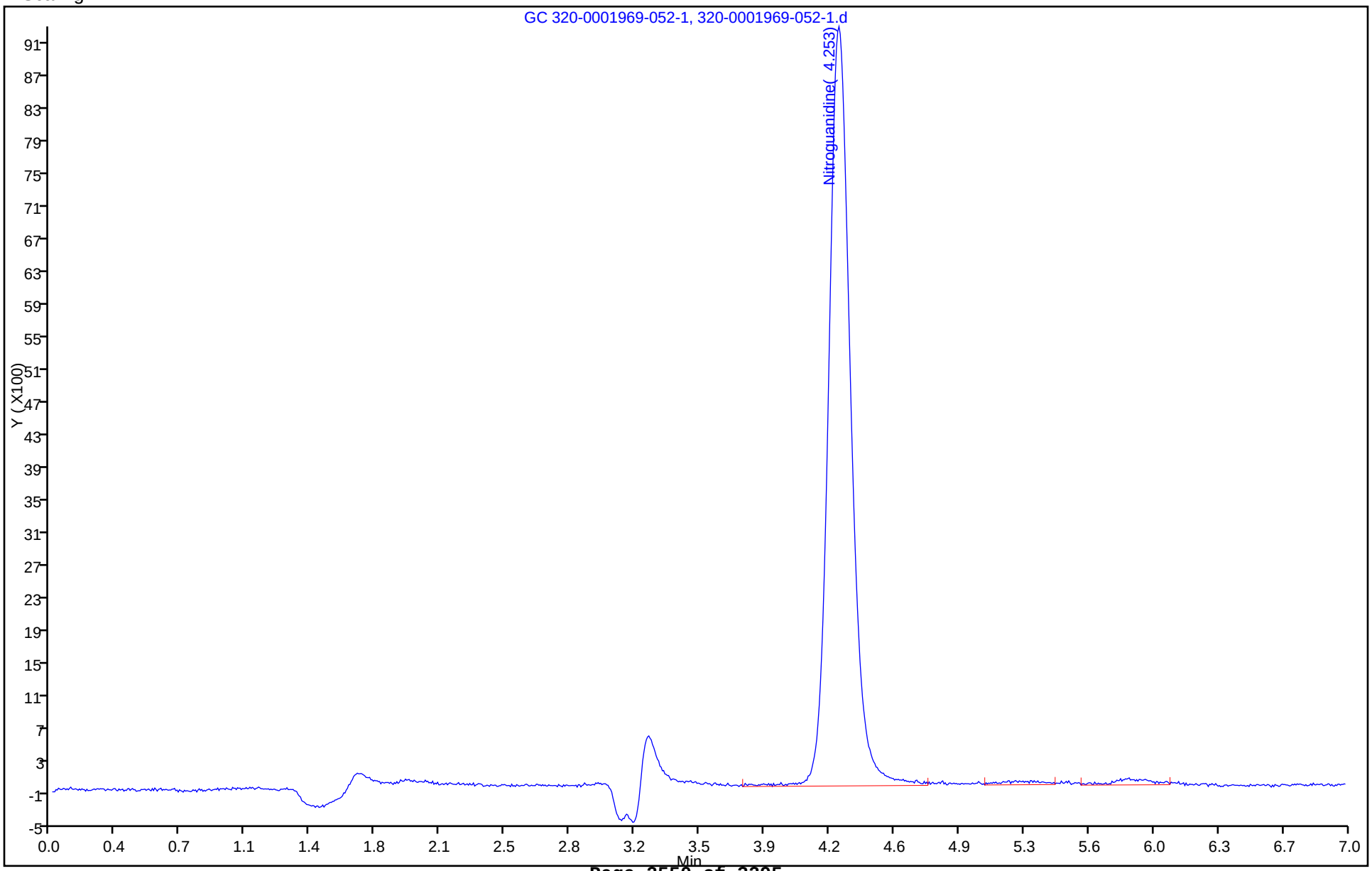
Report Date: 28-Dec-2012 09:05:22 Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-052-1.d

Injection Date:	27-Dec-2012 03:54:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	7855	Lims Sample ID:	52
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Instrument ID: PDA1 Start Date: 12/26/2012 13:04

Analysis Batch Number: 7846 End Date: 12/26/2012 15:27

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		12/26/2012 13:04	1		Luna NH2 4.6(mm)
STD02 320-7846/4 IC		12/26/2012 13:18	1	320-0001966-004 -1.d	Luna NH2 4.6(mm)
STD03 320-7846/5 IC		12/26/2012 13:32	1	320-0001966-005 -1.d	Luna NH2 4.6(mm)
STD04 320-7846/6 IC		12/26/2012 13:47	1	320-0001966-006 -1.d	Luna NH2 4.6(mm)
STD05 320-7846/7 IC		12/26/2012 14:01	1	320-0001966-007 -1.d	Luna NH2 4.6(mm)
STD06 320-7846/8 IC		12/26/2012 14:15	1	320-0001966-008 -1.d	Luna NH2 4.6(mm)
STD07 320-7846/9 IC		12/26/2012 14:30	1	320-0001966-009 -1.d	Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 14:44	1		Luna NH2 4.6(mm)
ICV 320-7846/11		12/26/2012 14:58	1	320-0001966-011 -1.d	Luna NH2 4.6(mm)
LODV 320-7846/12		12/26/2012 15:13	1	320-0001966-012 -1.d	Luna NH2 4.6(mm)
CCVL 320-7846/13		12/26/2012 15:27	1	320-0001966-013 -1.d	Luna NH2 4.6(mm)

8330 Modified

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Instrument ID: PDA1 Start Date: 12/26/2012 15:41

Analysis Batch Number: 7855 End Date: 12/27/2012 05:34

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		12/26/2012 15:41	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 15:56	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 16:10	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 16:24	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 16:39	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 16:53	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 17:08	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 17:22	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 17:36	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 17:51	1		Luna NH2 4.6(mm)
CCV 320-7855/11		12/26/2012 18:05	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 18:19	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 18:34	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 18:48	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 19:03	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 19:17	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 19:31	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 19:46	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 20:00	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 20:14	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 20:29	1		Luna NH2 4.6(mm)
CCV 320-7855/22		12/26/2012 20:43	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 20:58	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 21:12	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 21:26	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 21:41	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 21:55	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 22:09	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 22:24	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 22:38	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 22:53	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 23:07	1		Luna NH2 4.6(mm)
CCV 320-7855/33		12/26/2012 23:21	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 23:36	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 23:50	1		Luna NH2 4.6(mm)
ZZZZZ		12/27/2012 00:04	1		Luna NH2 4.6(mm)
ZZZZZ		12/27/2012 00:19	1		Luna NH2 4.6(mm)
ZZZZZ		12/27/2012 00:33	1		Luna NH2 4.6(mm)
ZZZZZ		12/27/2012 00:47	1		Luna NH2 4.6(mm)
ZZZZZ		12/27/2012 01:02	1		Luna NH2 4.6(mm)
ZZZZZ		12/27/2012 01:16	1		Luna NH2 4.6(mm)
CCV 320-7855/42		12/27/2012 01:31	1	320-0001969-042 -1.d	Luna NH2 4.6(mm)
ZZZZZ		12/27/2012 01:45	1		Luna NH2 4.6(mm)
ZZZZZ		12/27/2012 01:59	1		Luna NH2 4.6(mm)

8330 Modified

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Instrument ID: PDA1 Start Date: 12/26/2012 15:41

Analysis Batch Number: 7855 End Date: 12/27/2012 05:34

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		12/27/2012 02:14	1		Luna NH2 4.6(mm)
ZZZZZ		12/27/2012 02:28	1		Luna NH2 4.6(mm)
ZZZZZ		12/27/2012 02:42	1		Luna NH2 4.6(mm)
ZZZZZ		12/27/2012 02:57	1		Luna NH2 4.6(mm)
ZZZZZ		12/27/2012 03:11	1		Luna NH2 4.6(mm)
MB 320-7807/1-A		12/27/2012 03:25	1	320-0001969-050 -1.d	Luna NH2 4.6(mm)
CCV 320-7855/51		12/27/2012 03:40	1	320-0001969-051 -1.d	Luna NH2 4.6(mm)
LCS 320-7807/2-A		12/27/2012 03:54	1	320-0001969-052 -1.d	Luna NH2 4.6(mm)
ZZZZZ		12/27/2012 04:08	1		Luna NH2 4.6(mm)
ZZZZZ		12/27/2012 04:23	1		Luna NH2 4.6(mm)
ZZZZZ		12/27/2012 04:37	1		Luna NH2 4.6(mm)
240-18735-3	070-0056-0001-SOURCE WATER	12/27/2012 04:51	1	320-0001969-056 -1.d	Luna NH2 4.6(mm)
240-18735-4	070-0057-0001-SOURCE WATER	12/27/2012 05:06	1	320-0001969-057 -1.d	Luna NH2 4.6(mm)
CCV 320-7855/58		12/27/2012 05:20	1	320-0001969-058 -1.d	Luna NH2 4.6(mm)
CCVL 320-7855/59		12/27/2012 05:34	1	320-0001969-059 -1.d	Luna NH2 4.6(mm)

8330 Modified

HPLC/IC BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Batch Number: 7807 Batch Start Date: 12/24/12 12:40 Batch Analyst: Phan, Tuan

Batch Method: Filtration Batch End Date: 12/24/12 13:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	HPNQSP 00006			
MB 320-7807/1		Filtration, 8330 Modified		10 mL	10 mL				
LCS 320-7807/2		Filtration, 8330 Modified		10 mL	10 mL	50 uL			
240-18735-Q-3	070-0056-0001-SOURCE WATER	Filtration, 8330 Modified	T	10 mL	10 mL				
240-18735-Q-4	070-0057-0001-SOURCE WATER	Filtration, 8330 Modified	T	10 mL	10 mL				

Batch Notes	
Filter Lot #	Millipore R2DA02309, MILLIPORE WATER DISPENSED 12/13/12

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8330B

Nitroaromatics and Nitramines (HPLC) by Method 8330B

FORM II
HPLC/IC SURROGATE RECOVERY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low

GC Column (1): Synergi C18 ID: 4.6 (mm)

Client Sample ID	Lab Sample ID	DNT1 #
070-0056-0001-SOUR CE WATER	240-18735-3	91
070-0057-0001-SOUR CE WATER	240-18735-4	93
	MB 320-7404/1-A	97
	LCS 320-7404/2-A	97

	QC LIMITS
DNT = 3,4-Dinitrotoluene	79-111

Column to be used to flag recovery values

FORM II 8330B

FORM III
HPLC/IC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Matrix: Water Level: Low Lab File ID: S000069.D

Lab ID: LCS 320-7404/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,3,5-Trinitrobenzene	1.00	1.05	105	74-120	
1,3-Dinitrobenzene	1.00	1.08	108	72-123	
2,4,6-Trinitrotoluene	1.00	0.993	99	69-111	
2,4-Dinitrotoluene	1.00	1.02	102	70-119	
2,6-Dinitrotoluene	1.00	1.01	101	71-119	
2-Amino-4,6-dinitrotoluene	1.00	1.04	104	77-123	
2-Nitrotoluene	1.00	0.936	94	64-120	
3-Nitrotoluene	1.00	0.981	98	67-114	
4-Nitrotoluene	1.00	0.982	98	67-115	
4-Amino-2,6-dinitrotoluene	1.00	1.05	105	68-113	
HMX	1.00	1.04	104	67-115	
RDX	1.00	1.10	110	68-122	
Nitrobenzene	1.00	1.06	106	69-119	
Tetryl	1.00	0.969	97	66-105	
Nitroglycerin	5.00	4.97	99	85-115	
PETN	5.00	4.53	91	84-117	

Column to be used to flag recovery and RPD values

FORM III 8330B

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Lab Sample ID: MB 320-7404/1-A

Matrix: Water Date Extracted: 12/14/2012 11:07

Lab File ID:(1) S000068.D Lab File ID:(2)

Date Analyzed:(1) 12/21/2012 13:22 Date Analyzed:(2)

Instrument ID:(1) LC10 Instrument ID:(2)

GC Column:(1) Synergi C18 ID: 4.6(mm) GC Column:(2) ID:

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 320-7404/2-A	12/21/2012 14:02	
070-0056-0001-SOURCE WATER	240-18735-3	12/21/2012 15:22	
070-0057-0001-SOURCE WATER	240-18735-4	12/21/2012 16:02	

FORM VIII
HPLC/IC ANALYTICAL SEQUENCE

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Sample No.: CCV 320-7620/67 Date Analyzed: 12/21/2012 12:41

Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6(mm)

Lab File ID (Standard): S000067.D Heated Purge: (Y/N) N

Calibration ID: 1202

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				DNT RT #		
CONTINUING CALIBRATION SURROGATE				16.75		
UPPER LIMIT				16.95		
LOWER LIMIT				16.55		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 320-7620/67 CCVRT		12/21/2012 12:41	S000067.D	16.75		
MB 320-7404/1-A		12/21/2012 13:22	S000068.D	17.30 *		
LCS 320-7404/2-A		12/21/2012 14:02	S000069.D	16.74		
240-18735-3	070-0056-0001-SOURCE WATER	12/21/2012 15:22	S000071.D	16.77		
240-18735-4	070-0057-0001-SOURCE WATER	12/21/2012 16:02	S000072.D	16.84		

DNT = 3,4-Dinitrotoluene

DNT RT Limit = ± 0.2 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8330B

FORM VIII
HPLC/IC ANALYTICAL SEQUENCE

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Sample No.: CCV 320-7620/73 Date Analyzed: 12/21/2012 16:42

Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6(mm)

Lab File ID (Standard): S000073.D Heated Purge: (Y/N) N

Calibration ID: 1202

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				DNT RT #		
CONTINUING CALIBRATION SURROGATE				16.80		
UPPER LIMIT				17.00		
LOWER LIMIT				16.60		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 320-7620/73 CCVRT		12/21/2012 16:42	S000073.D	16.80		
CCVL 320-7620/74		12/21/2012 17:23	S000074.D	16.75		

DNT = 3,4-Dinitrotoluene

DNT RT Limit = ± 0.2 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8330B

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Client Sample ID: 070-0056-0001-SOURCE Lab Sample ID: 240-18735-3

Matrix: Water Lab File ID: S000071.D

Analysis Method: 8330B Date Collected: 12/12/2012 13:00

Extraction Method: 8330-Prep Date Extracted: 12/14/2012 11:07

Sample wt/vol: 1004.4(mL) Date Analyzed: 12/21/2012 15:22

Con. Extract Vol.: 20(mL) Dilution Factor: 1

Injection Volume: 500(uL) GC Column: Synergi C18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 7620 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
99-35-4	1,3,5-Trinitrobenzene	0.050	U	0.10	0.050	0.031
99-65-0	1,3-Dinitrobenzene	0.10	U	0.10	0.10	0.050
118-96-7	2,4,6-Trinitrotoluene	0.10	U	0.10	0.10	0.050
121-14-2	2,4-Dinitrotoluene	0.10	U	0.10	0.10	0.050
606-20-2	2,6-Dinitrotoluene	0.10	U	0.10	0.10	0.050
35572-78-2	2-Amino-4,6-dinitrotoluene	0.10	U	0.20	0.10	0.015
88-72-2	2-Nitrotoluene	0.10	U	0.50	0.10	0.088
99-08-1	3-Nitrotoluene	0.10	U	0.50	0.10	0.057
99-99-0	4-Nitrotoluene	0.10	U	0.50	0.10	0.088
19406-51-0	4-Amino-2,6-dinitrotoluene	0.10	U	0.10	0.10	0.050
2691-41-0	HMX	0.050	U	0.10	0.050	0.036
121-82-4	RDX	0.050	U	0.10	0.050	0.036
98-95-3	Nitrobenzene	0.10	U	0.10	0.10	0.050
479-45-8	Tetryl	0.10	U	0.10	0.10	0.050
55-63-0	Nitroglycerin	0.50	U	0.65	0.50	0.33
78-11-5	PETN	0.50	U	0.65	0.50	0.30

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	91		79-111

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC10\20121219-1888.b\S000071.D		
Lims ID:	240-18735-R-3-B	Client ID:	070-0056-0001-SOURCE WATER
Inject. Date:	21-Dec-2012 15:22:23	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	320-0001888-071		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC10
Injection Vol:	500.0 ul	ALS Bottle#:	72
Lims Batch ID:	7620	Lims Sample ID:	71
Method:	\\SACChrom\ChromData\LC10\20121219-1888.b\8330_LC10.m		
Last Update:	26-Dec-2012 08:44:38	Calib Date:	01-Sep-2012 16:31:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm
Process Host:	XAWRK028		

First Level Reviewer: noonanr Date: 26-Dec-2012 08:44:38

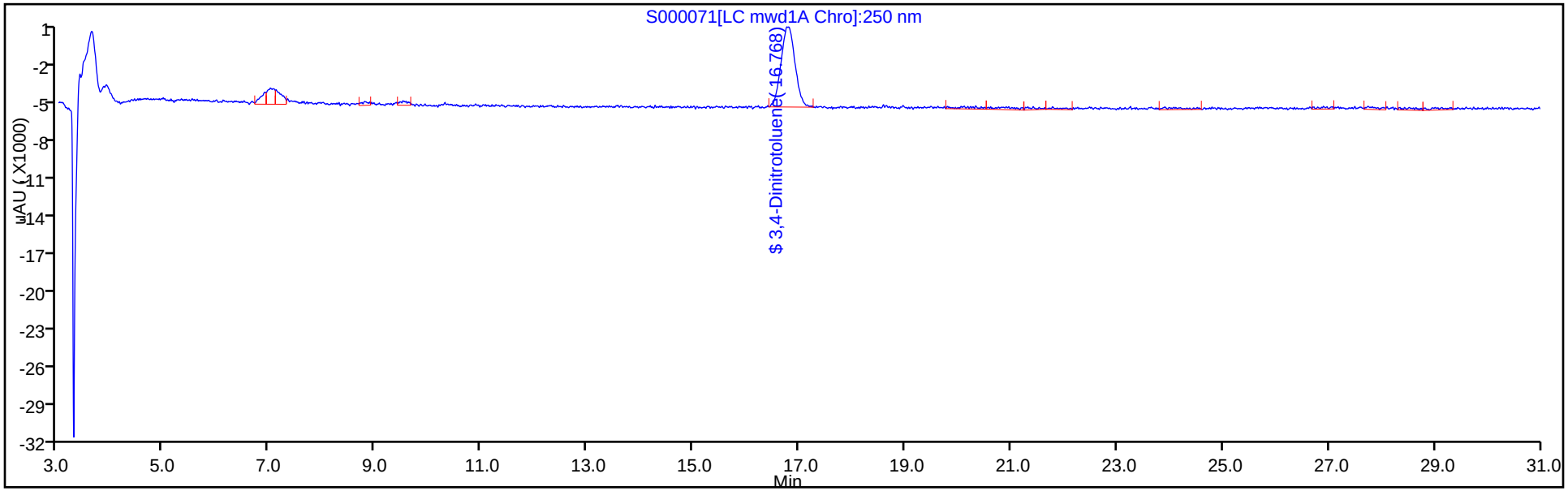
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
$ 30 3,4-Dinitrotoluene						
1	16.768	16.796	-0.028	6418	114.0	
2	16.774	16.806	-0.032	12277	118.8	

Report Date: 26-Dec-2012 08:44:38 Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121219-1888.b\S000071.D		
Injection Date:	21-Dec-2012 15:22:23	Limit Group:	LC 8330B ICAL
Client ID:	070-0056-0001-SOURCE WATER	Instrument ID:	LC10
Lims Batch ID:	7620	Lims Sample ID:	71
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



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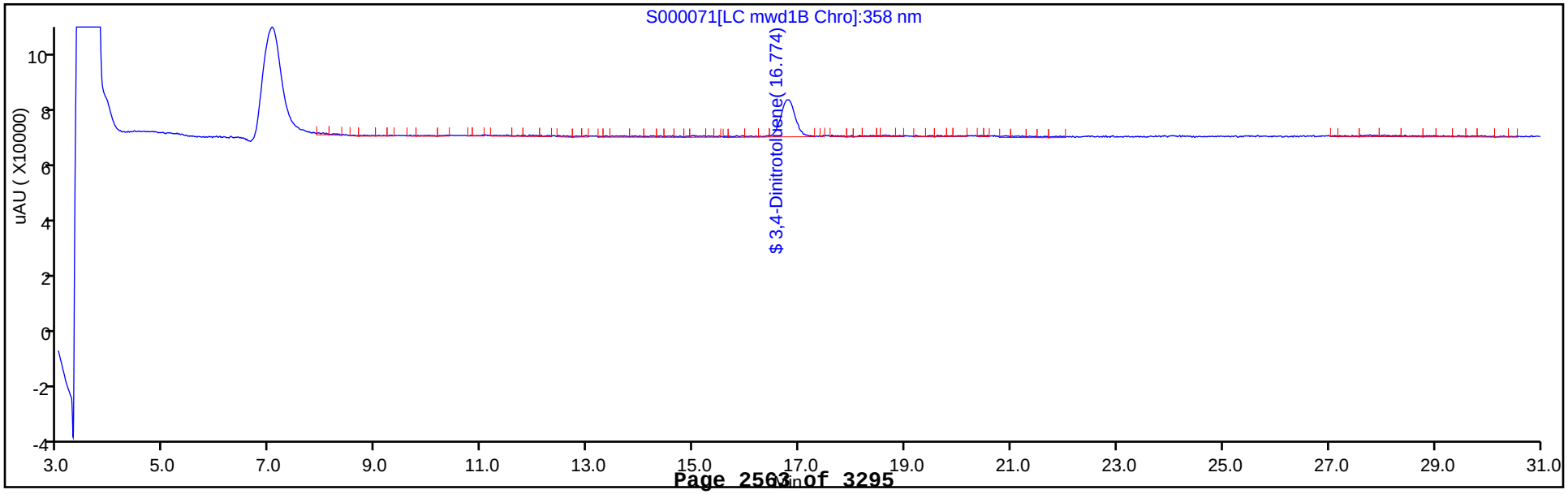


FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Client Sample ID: 070-0057-0001-SOURCE Lab Sample ID: 240-18735-4

Matrix: Water Lab File ID: S000072.D

Analysis Method: 8330B Date Collected: 12/12/2012 13:15

Extraction Method: 8330-Prep Date Extracted: 12/14/2012 11:07

Sample wt/vol: 1011(mL) Date Analyzed: 12/21/2012 16:02

Con. Extract Vol.: 20(mL) Dilution Factor: 1

Injection Volume: 500(uL) GC Column: Synergi C18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 7620 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
99-35-4	1,3,5-Trinitrobenzene	0.049	U	0.099	0.049	0.031
99-65-0	1,3-Dinitrobenzene	0.099	U	0.099	0.099	0.049
118-96-7	2,4,6-Trinitrotoluene	0.099	U	0.099	0.099	0.049
121-14-2	2,4-Dinitrotoluene	0.099	U	0.099	0.099	0.049
606-20-2	2,6-Dinitrotoluene	0.099	U	0.099	0.099	0.049
35572-78-2	2-Amino-4,6-dinitrotoluene	0.099	U	0.20	0.099	0.015
88-72-2	2-Nitrotoluene	0.099	U	0.49	0.099	0.087
99-08-1	3-Nitrotoluene	0.099	U	0.49	0.099	0.056
99-99-0	4-Nitrotoluene	0.099	U	0.49	0.099	0.087
19406-51-0	4-Amino-2,6-dinitrotoluene	0.099	U	0.099	0.099	0.049
2691-41-0	HMX	0.049	U	0.099	0.049	0.036
121-82-4	RDX	0.049	U	0.099	0.049	0.036
98-95-3	Nitrobenzene	0.099	U	0.099	0.099	0.049
479-45-8	Tetryl	0.099	U	0.099	0.099	0.049
55-63-0	Nitroglycerin	0.49	U	0.64	0.49	0.33
78-11-5	PETN	0.49	U	0.64	0.49	0.30

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	93		79-111

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC10\20121219-1888.b\S000072.D		
Lims ID:	240-18735-R-4-B	Client ID:	070-0057-0001-SOURCE WATER
Inject. Date:	21-Dec-2012 16:02:20	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	320-0001888-072		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC10
Injection Vol:	500.0 ul	ALS Bottle#:	73
Lims Batch ID:	7620	Lims Sample ID:	72
Method:	\\SACChrom\ChromData\LC10\20121219-1888.b\8330_LC10.m		
Last Update:	26-Dec-2012 08:45:03	Calib Date:	01-Sep-2012 16:31:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm
Process Host:	XAWRK028		

First Level Reviewer: noonanr Date: 26-Dec-2012 08:45:03

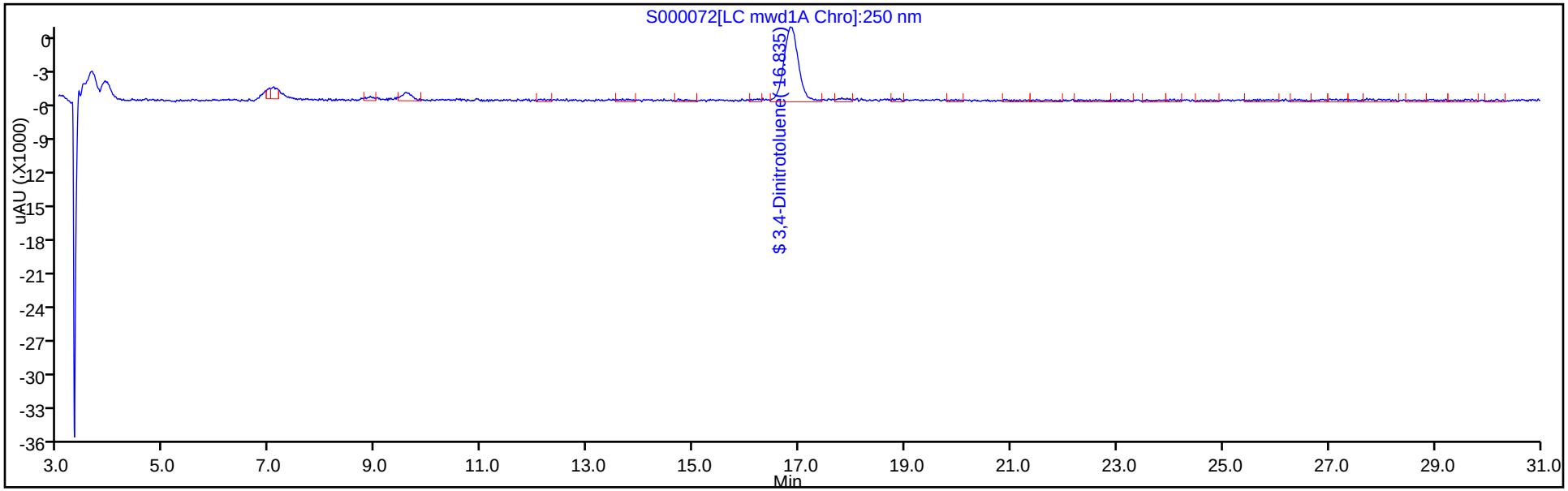
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
$ 30 3,4-Dinitrotoluene						
1	16.835	16.796	0.039	6565	116.6	
2	16.845	16.806	0.039	12265	118.7	

Report Date: 26-Dec-2012 08:45:04 Chrom Revision: 2.1 24-Dec-2012 15:14:58

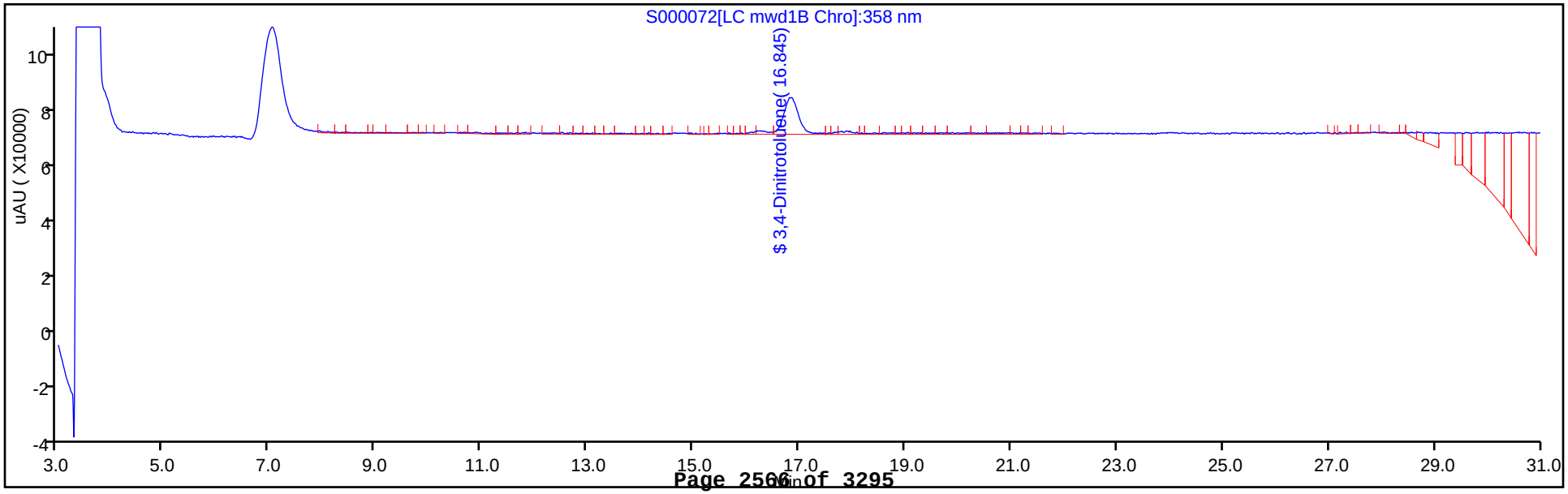
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121219-1888.b\S000072.D		
Injection Date:	21-Dec-2012 16:02:20	Limit Group:	LC 8330B ICAL
Client ID:	070-0057-0001-SOURCE WATER	Instrument ID:	LC10
Lims Batch ID:	7620	Lims Sample ID:	72
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2 Analy Batch No.: 3377

SDG No.:

Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2012 11:50 Calibration End Date: 09/01/2012 16:31 Calibration ID: 1202

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 320-3377/2	A-000006.D
Level 2	STD02 320-3377/3	A-000007.D
Level 3	STD03 320-3377/4	A-000008.D
Level 4	STD04 320-3377/5	A-000009.D
Level 5	STD05 320-3377/6	A-000010.D
Level 6	STD06 320-3377/7	A-000011.D
Level 7	STD07 320-3377/8	A-000012.D
Level 8	STD08 320-3377/9	A-000013.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7	LVL 8			RT WINDOW	AVG RT
HMX	5.240	5.235	5.238	5.235	5.235	5.233	5.219	5.195			4.985 - 5.485	5.229
RDX	7.593	7.588	7.585	7.585	7.579	7.573	7.552	7.512			7.329 - 7.829	7.571
Ethylene glycol dinitrate	+++++	+++++	8.312	8.302	8.305	8.296	8.275	8.245			8.055 - 8.555	8.294
Picric acid	8.707	8.718	8.708	8.702	8.685	8.650	8.589	8.499			8.435 - 8.935	8.657
1,3,5-Trinitrobenzene	10.003	10.012	9.998	9.995	9.992	9.986	9.965	9.925			9.742 - 10.242	9.985
1,3-Dinitrobenzene	12.673	12.699	12.688	12.692	12.682	12.677	12.652	12.602			12.432 - 12.932	12.671
3,5-Dinitroaniline	13.447	13.449	13.452	13.455	13.449	13.437	13.406	13.349			13.199 - 13.699	13.431
Tetryl	13.950	13.925	13.952	13.942	13.939	13.933	13.912	13.866			13.689 - 14.189	13.927
Nitrobenzene	14.493	14.512	14.502	14.495	14.495	14.487	14.459	14.399			14.245 - 14.745	14.480
Nitroglycerin	+++++	+++++	15.205	15.209	15.202	15.197	15.172	15.126			14.952 - 15.452	15.185
2,4,6-Trinitrotoluene	16.083	16.075	16.075	16.085	16.069	16.067	16.046	16.002			15.819 - 16.319	16.063
4-Amino-2,6-dinitrotoluene	16.557	16.665	16.622	16.635	16.619	16.607	16.579	16.519			16.369 - 16.869	16.600
2-Amino-4,6-dinitrotoluene	17.617	17.619	17.595	17.602	17.595	17.587	17.552	17.489			17.345 - 17.845	17.582
2,6-Dinitrotoluene	19.280	19.342	19.318	19.299	19.285	19.293	19.259	19.199			19.035 - 19.535	19.284
2,4-Dinitrotoluene	19.877	19.965	19.915	19.939	19.925	19.917	19.886	19.829			19.675 - 20.175	19.907
2-Nitrotoluene	23.440	23.442	23.412	23.415	23.415	23.400	23.366	23.292			23.165 - 23.665	23.398
4-Nitrotoluene	25.103	25.095	25.135	25.092	25.102	25.087	25.062	24.989			24.852 - 25.352	25.083
3-Nitrotoluene	27.057	27.122	27.035	27.059	27.052	27.060	27.016	26.939			26.802 - 27.302	27.043
PETN	+++++	+++++	29.672	29.662	29.649	29.663	29.619	29.569			29.399 - 29.899	29.625
3,4-Dinitrotoluene	17.087	17.075	17.088	17.079	17.072	17.073	17.032	16.972			16.822 - 17.322	17.060

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2 Analy Batch No.: 3377

SDG No.:

Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2012 11:50 Calibration End Date: 09/01/2012 16:31 Calibration ID: 1202

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 320-3377/2	A-000006.D
Level 2	STD02 320-3377/3	A-000007.D
Level 3	STD03 320-3377/4	A-000008.D
Level 4	STD04 320-3377/5	A-000009.D
Level 5	STD05 320-3377/6	A-000010.D
Level 6	STD06 320-3377/7	A-000011.D
Level 7	STD07 320-3377/8	A-000012.D
Level 8	STD08 320-3377/9	A-000013.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4 LVL 8		B	M1	M2								
HMX	139.80 127.39	131.10 125.07	132.70 120.02	126.54 103.82	Ave		125.806000				8.5		20.0			
RDX	126.20 85.360	97.500 83.560	89.950 77.368	89.060 62.894	Ave		88.9865000				20.0		20.0			
Ethylene glycol dinitrate	+++++ 102.81	+++++ 100.64	106.60 93.280	99.580 78.274	Ave		96.8640000				10.0		20.0			
Picric acid	142.10 128.26	124.60 123.75	126.62 113.51	130.18 96.264	Ave		123.159625				11.0		20.0			
1,3,5-Trinitrobenzene	190.60 161.63	172.30 159.20	171.25 151.74	162.92 131.74	Ave		162.672500				10.0		20.0			
1,3-Dinitrobenzene	182.80 160.21	183.10 158.49	168.75 150.27	160.54 129.19	Ave		161.668750				11.0		20.0			
3,5-Dinitroaniline	130.40 101.39	110.30 101.56	102.95 97.078	103.96 83.656	Ave		103.911125				13.0		20.0			
Tetryl	110.60 82.640	87.300 84.365	81.400 83.418	84.500 78.184	Ave		86.5508750				12.0		20.0			
Nitrobenzene	96.600 71.160	77.100 71.370	75.300 67.000	72.860 58.527	Ave		73.7396250				15.0		20.0			
Nitroglycerin	+++++ 65.420	+++++ 64.655	74.350 62.646	65.760 56.481	Ave		64.8853333				8.9		20.0			
2,4,6-Trinitrotoluene	108.00 89.810	97.700 90.455	93.150 89.080	91.560 82.556	Ave		92.7888750				8.0		20.0			
4-Amino-2,6-dinitrotoluene	86.800 74.520	77.900 75.425	74.600 73.644	76.500 66.457	Ave		75.7307500				7.4		20.0			
2-Amino-4,6-dinitrotoluene	102.40 80.440	89.400 81.200	84.350 78.808	81.480 70.652	Ave		83.5912500				11.0		20.0			
2,6-Dinitrotoluene	77.800 56.200	62.900 57.230	57.300 55.882	58.140 51.202	Ave		59.5817500				13.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2 Analy Batch No.: 3377

SDG No.:

Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2012 11:50 Calibration End Date: 09/01/2012 16:31 Calibration ID: 1202

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4 LVL 8		B	M1	M2								
2,4-Dinitrotoluene	109.40 93.730	102.00 94.515	96.050 92.458	94.760 84.833	Ave		95.9682500				7.5		20.0			
2-Nitrotoluene	58.800 41.500	51.400 40.795	46.600 39.480	41.280 36.585	Ave		44.5550000				16.0		20.0			
4-Nitrotoluene	65.200 50.470	61.200 50.165	55.000 48.764	50.940 45.695	Ave		53.4292500				12.0		20.0			
3-Nitrotoluene	67.800 50.030	60.900 50.960	54.550 49.432	51.100 46.712	Ave		53.9355000				13.0		20.0			
PETN	+++++ 36.310	+++++ 35.540	40.050 35.620	38.100 34.728	Ave		36.7246667				5.4		20.0			
3,4-Dinitrotoluene	77.000 52.480	53.700 53.370	51.600 55.173	53.480 53.734	Ave		56.3171667				15.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2 Analy Batch No.: 3377

SDG No.:

Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2012 11:50 Calibration End Date: 09/01/2012 16:31 Calibration ID: 1202

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 320-3377/2	A-000006.D
Level 2	STD02 320-3377/3	A-000007.D
Level 3	STD03 320-3377/4	A-000008.D
Level 4	STD04 320-3377/5	A-000009.D
Level 5	STD05 320-3377/6	A-000010.D
Level 6	STD06 320-3377/7	A-000011.D
Level 7	STD07 320-3377/8	A-000012.D
Level 8	STD08 320-3377/9	A-000013.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
HMX	Ave	699 25014	1311 60012	2654 103824	6327	12739	5.00 200	10.0 500	20.0 1000	50.0	100
RDX	Ave	631 16712	975 38684	1799 62894	4453	8536	5.00 200	10.0 500	20.0 1000	50.0	100
Ethylene glycol dinitrate	Ave	+++++ 20128	+++++ 46640	2132 78274	4979	10281	+++++ 200	+++++ 500	20.0 1000	50.0	100
Picric acid	Ave	1421 61874	2492 113505	6331 192528	13018	25652	10.0 500	20.0 1000	50.0 2000	100	200
1,3,5-Trinitrobenzene	Ave	953 31839	1723 75872	3425 131741	8146	16163	5.00 200	10.0 500	20.0 1000	50.0	100
1,3-Dinitrobenzene	Ave	914 31698	1831 75133	3375 129194	8027	16021	5.00 200	10.0 500	20.0 1000	50.0	100
3,5-Dinitroaniline	Ave	652 20311	1103 48539	2059 83656	5198	10139	5.00 200	10.0 500	20.0 1000	50.0	100
Tetryl	Ave	553 16873	873 41709	1628 78184	4225	8264	5.00 200	10.0 500	20.0 1000	50.0	100
Nitrobenzene	Ave	483 14274	771 33500	1506 58527	3643	7116	5.00 200	10.0 500	20.0 1000	50.0	100
Nitroglycerin	Ave	+++++ 12931	+++++ 31323	1487 56481	3288	6542	+++++ 200	+++++ 500	20.0 1000	50.0	100
2,4,6-Trinitrotoluene	Ave	540 18091	977 44540	1863 82556	4578	8981	5.00 200	10.0 500	20.0 1000	50.0	100
4-Amino-2,6-dinitrotoluene	Ave	434 15085	779 36822	1492 66457	3825	7452	5.00 200	10.0 500	20.0 1000	50.0	100
2-Amino-4,6-dinitrotoluene	Ave	512 16240	894 39404	1687 70652	4074	8044	5.00 200	10.0 500	20.0 1000	50.0	100
2,6-Dinitrotoluene	Ave	389 11446	629 27941	1146 51202	2907	5620	5.00 200	10.0 500	20.0 1000	50.0	100
2,4-Dinitrotoluene	Ave	547 18903	1020 46229	1921 84833	4738	9373	5.00 200	10.0 500	20.0 1000	50.0	100

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2 Analy Batch No.: 3377

SDG No.:

Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2012 11:50 Calibration End Date: 09/01/2012 16:31 Calibration ID: 1202

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
2-Nitrotoluene	Ave	294 8159	514 19740	932 36585	2064	4150	5.00 200	10.0 500	20.0 1000	50.0	100
4-Nitrotoluene	Ave	326 10033	612 24382	1100 45695	2547	5047	5.00 200	10.0 500	20.0 1000	50.0	100
3-Nitrotoluene	Ave	339 10192	609 24716	1091 46712	2555	5003	5.00 200	10.0 500	20.0 1000	50.0	100
PETN	Ave	+++++ 7108	+++++ 17810	801 34728	1905	3631	+++++ 200	+++++ 500	20.0 1000	50.0	100
3,4-Dinitrotoluene	Ave	385 10674	537 16552	1032 26867	2674	5248	5.00 200	10.0 300	20.0 500	50.0	100

Curve Type Legend:
Ave = Average by Height

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC10\20120905-755.b\A-000006.D		
Lims ID:	STD01	Client ID:	
Inject. Date:	01-Sep-2012 11:50:14	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	STD01 HP8330L1_00004 5ng/mL;1		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC10
Injection Vol:	500.0 ul	ALS Bottle#:	11
Lims Batch ID:	3377	Lims Sample ID:	2
Sublist:	chrom-8330_LC10*sub1		
Method:	\\SACChrom\ChromData\LC10\20120905-755.b\8330_LC10.m		
Last Update:	13-Sep-2012 11:14:21	Calib Date:	01-Sep-2012 16:31:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm
Process Host:	XAWRK002		

First Level Reviewer: noonanr Date: 11-Sep-2012 13:41:22

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.240	5.235	0.005	699	5.56	
19 RDX						
1	7.593	7.579	0.014	631	7.09	
3 Ethylene glycol dinitrate						
2	8.300	8.305	-0.005	652	6.73	
10 2,4,6-Trinitrophenol						
2	8.707	8.685	0.022	1421	11.5	
1	8.733	8.685	0.048	955	11.6	
27 1,3,5-Trinitrobenzene						
1	10.003	9.992	0.011	953	5.86	
24 1,3-Dinitrobenzene						
1	12.673	12.682	-0.009	914	5.65	
9 3,5-Dinitroaniline						
1	13.447	13.449	-0.002	652	6.27	
20 Tetryl						
1	13.950	13.939	0.011	553	6.39	
5 Nitrobenzene						
1	14.493	14.495	-0.002	483	6.55	
7 Nitroglycerin						
2	15.147	15.202	-0.055	536	8.26	
25 2,4,6-Trinitrotoluene						
1	16.083	16.069	0.014	540	5.82	
26 4-Amino-2,6-dinitrotoluene						
1	16.557	16.619	-0.062	434	5.73	
$ 30 3,4-Dinitrotoluene						
1	17.087	17.072	0.015	385	6.84	
2	17.117	17.082	0.035	622	6.02	

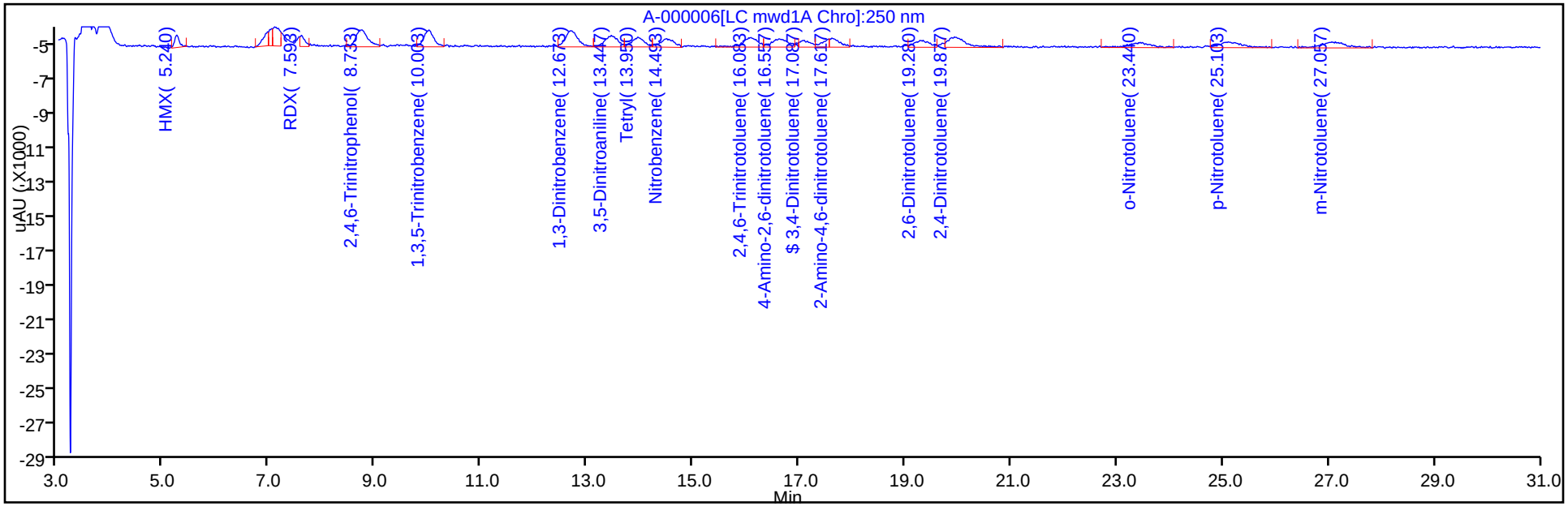
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.617	17.595	0.022	512	6.13	
12 2,6-Dinitrotoluene						
1	19.280	19.285	-0.005	389	6.53	
23 2,4-Dinitrotoluene						
1	19.877	19.925	-0.048	547	5.70	
16 o-Nitrotoluene						
1	23.440	23.415	0.025	294	6.60	
15 p-Nitrotoluene						
1	25.103	25.102	0.001	326	6.10	
8 m-Nitrotoluene						
1	27.057	27.052	0.005	339	6.29	
21 PETN						
2	29.613	29.649	-0.036	771	21.0	

Report Date: 13-Sep-2012 11:14:22 Chrom Revision: 2.1 12-Sep-2012 21:43:20

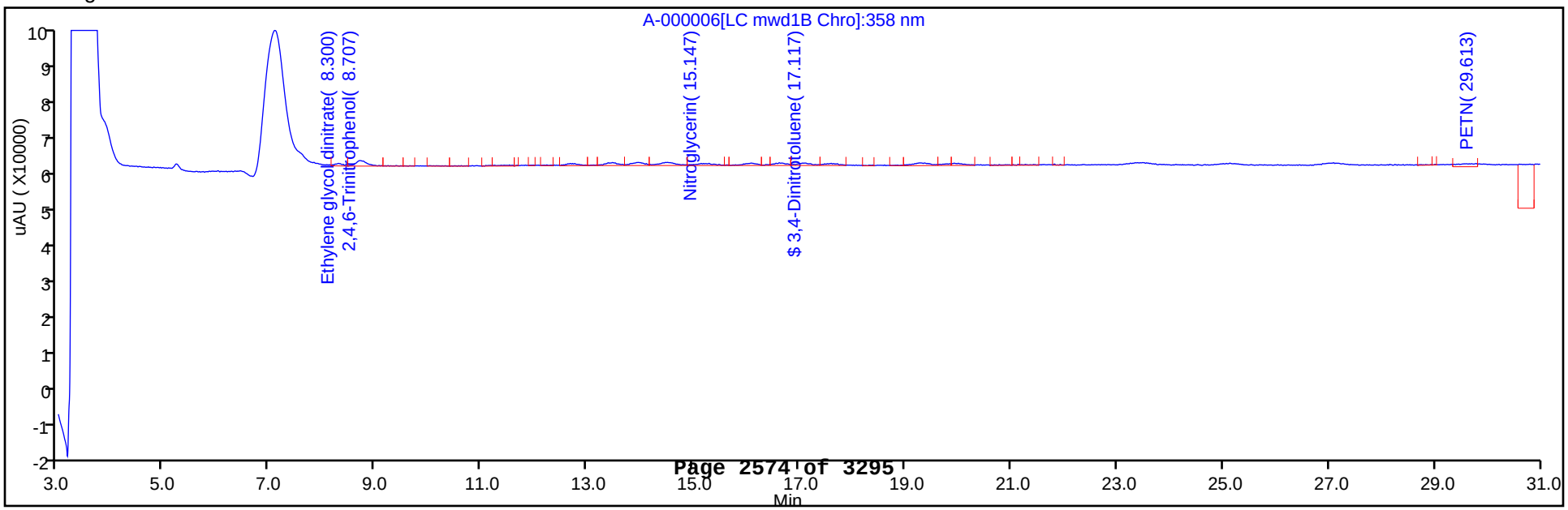
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20120905-755.b\A-000006.D		
Injection Date:	01-Sep-2012 11:50:14	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	3377	Lims Sample ID:	2
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000007.D
Lims ID: STD02 Client ID:
Inject. Date: 01-Sep-2012 12:30:23 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: STD02 HP8330L2_00003 10ng/mL;1
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 12
Lims Batch ID: 3377 Lims Sample ID: 3
Sublist: chrom-8330_LC10*sub1

Method: \\SACChrom\ChromData\LC10\20120905-755.b\8330_LC10.m
Last Update: 13-Sep-2012 10:19:53 Calib Date: 01-Sep-2012 16:31:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK003

First Level Reviewer: chamberss Date: 11-Sep-2012 14:17:48

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.235	5.235	0.0	1311	10.4	
19 RDX						
1	7.588	7.579	0.009	975	10.9	
3 Ethylene glycol dinitrate						
2	8.315	8.305	0.010	1143	11.8	
10 2,4,6-Trinitrophenol						
2	8.718	8.685	0.033	2492	20.2	
1	8.718	8.685	0.033	1717	20.7	
27 1,3,5-Trinitrobenzene						
1	10.012	9.992	0.020	1723	10.6	
24 1,3-Dinitrobenzene						
1	12.699	12.682	0.017	1831	11.3	
9 3,5-Dinitroaniline						
1	13.449	13.449	0.0	1103	10.6	
20 Tetryl						
1	13.925	13.939	-0.014	873	10.1	
5 Nitrobenzene						
1	14.512	14.495	0.017	771	10.4	
7 Nitroglycerin						
2	15.225	15.202	0.023	628	9.68	
25 2,4,6-Trinitrotoluene						
1	16.075	16.069	0.006	977	10.5	
26 4-Amino-2,6-dinitrotoluene						
1	16.665	16.619	0.046	779	10.3	
$ 30 3,4-Dinitrotoluene						
1	17.075	17.072	0.003	537	9.52	
2	17.075	17.082	-0.007	883	8.55	

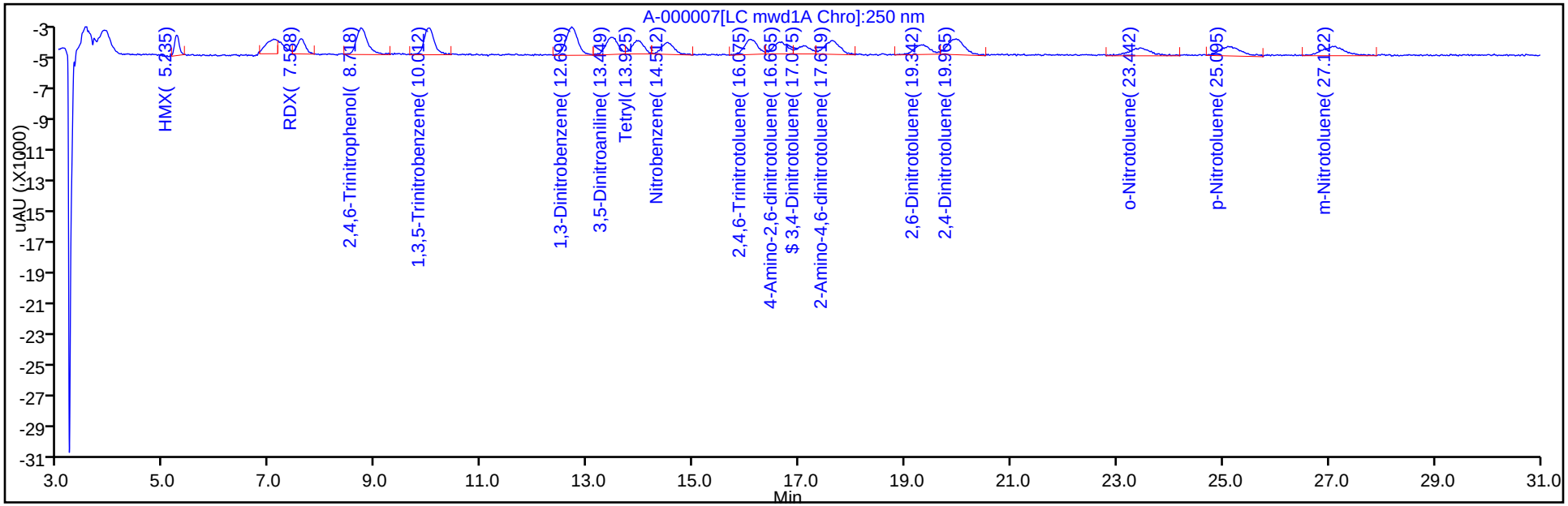
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.619	17.595	0.024	894	10.7	
12 2,6-Dinitrotoluene						
1	19.342	19.285	0.057	629	10.5	
23 2,4-Dinitrotoluene						
1	19.965	19.925	0.040	1020	10.6	
16 o-Nitrotoluene						
1	23.442	23.415	0.027	514	11.5	
15 p-Nitrotoluene						
1	25.095	25.102	-0.007	612	11.5	
8 m-Nitrotoluene						
1	27.122	27.052	0.070	609	11.3	
21 PETN						
2	29.552	29.649	-0.097	427	11.6	

Report Date: 13-Sep-2012 10:19:53 Chrom Revision: 2.1 12-Sep-2012 21:43:20

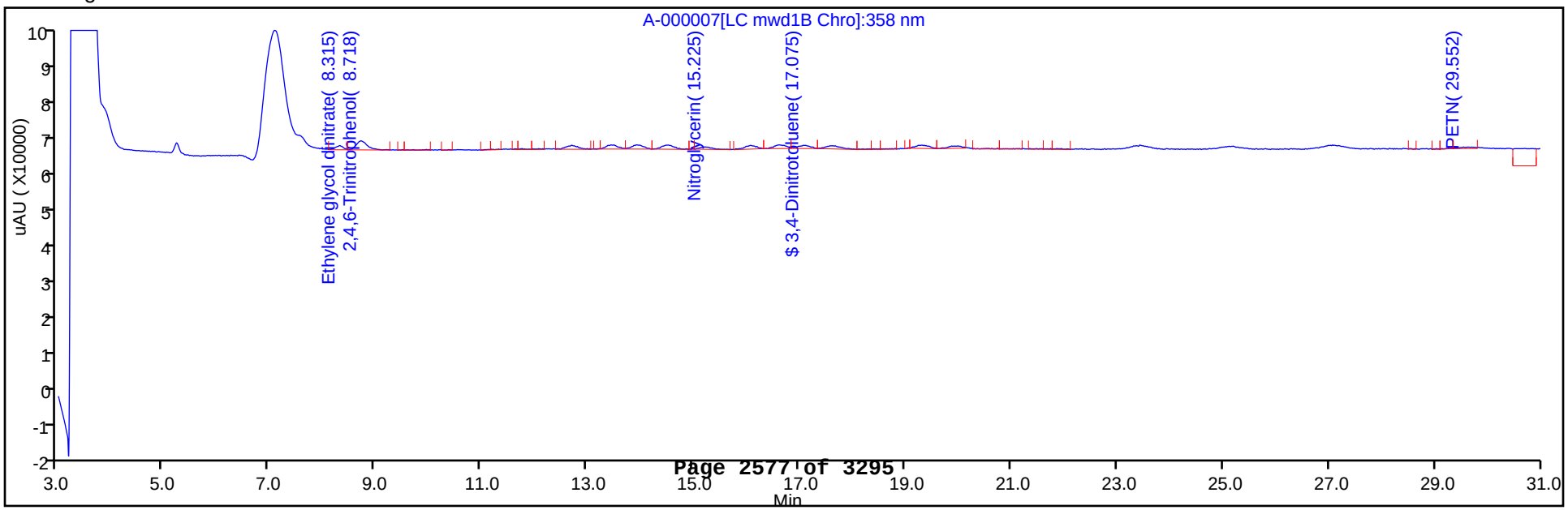
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20120905-755.b\A-000007.D		
Injection Date:	01-Sep-2012 12:30:23	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	3377	Lims Sample ID:	3
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000008.D
Lims ID: STD03 Client ID:
Inject. Date: 01-Sep-2012 13:10:34 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: STD03 HP8330L3_00003 20ng/mL;1
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 13
Lims Batch ID: 3377 Lims Sample ID: 4
Sublist: chrom-8330_LC10*sub1

Method: \\SACChrom\ChromData\LC10\20120905-755.b\8330_LC10.m
Last Update: 13-Sep-2012 10:19:54 Calib Date: 01-Sep-2012 16:31:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK003

First Level Reviewer: chamberss Date: 11-Sep-2012 14:31:48

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.238	5.235	0.003	2654	21.1	
19 RDX						
1	7.585	7.579	0.006	1799	20.2	
3 Ethylene glycol dinitrate						
2	8.312	8.305	0.007	2132	22.0	
10 2,4,6-Trinitrophenol						
2	8.708	8.685	0.023	6331	51.4	
1	8.718	8.685	0.033	4198	50.7	
27 1,3,5-Trinitrobenzene						
1	9.998	9.992	0.006	3425	21.0	
24 1,3-Dinitrobenzene						
1	12.688	12.682	0.006	3375	20.9	
9 3,5-Dinitroaniline						
1	13.452	13.449	0.003	2059	19.8	
20 Tetryl						
1	13.952	13.939	0.013	1628	18.8	
5 Nitrobenzene						
1	14.502	14.495	0.007	1506	20.4	
7 Nitroglycerin						
2	15.205	15.202	0.003	1487	22.9	
25 2,4,6-Trinitrotoluene						
1	16.075	16.069	0.006	1863	20.1	
26 4-Amino-2,6-dinitrotoluene						
1	16.622	16.619	0.003	1492	19.7	
$ 30 3,4-Dinitrotoluene						
1	17.088	17.072	0.016	1032	18.3	
2	17.075	17.082	-0.007	2249	21.8	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.595	17.595	0.0	1687	20.2	
12 2,6-Dinitrotoluene						
1	19.318	19.285	0.033	1146	19.2	
23 2,4-Dinitrotoluene						
1	19.915	19.925	-0.010	1921	20.0	
16 o-Nitrotoluene						
1	23.412	23.415	-0.003	932	20.9	
15 p-Nitrotoluene						
1	25.135	25.102	0.033	1100	20.6	
8 m-Nitrotoluene						
1	27.035	27.052	-0.017	1091	20.2	
21 PETN						
2	29.672	29.649	0.023	801	21.8	

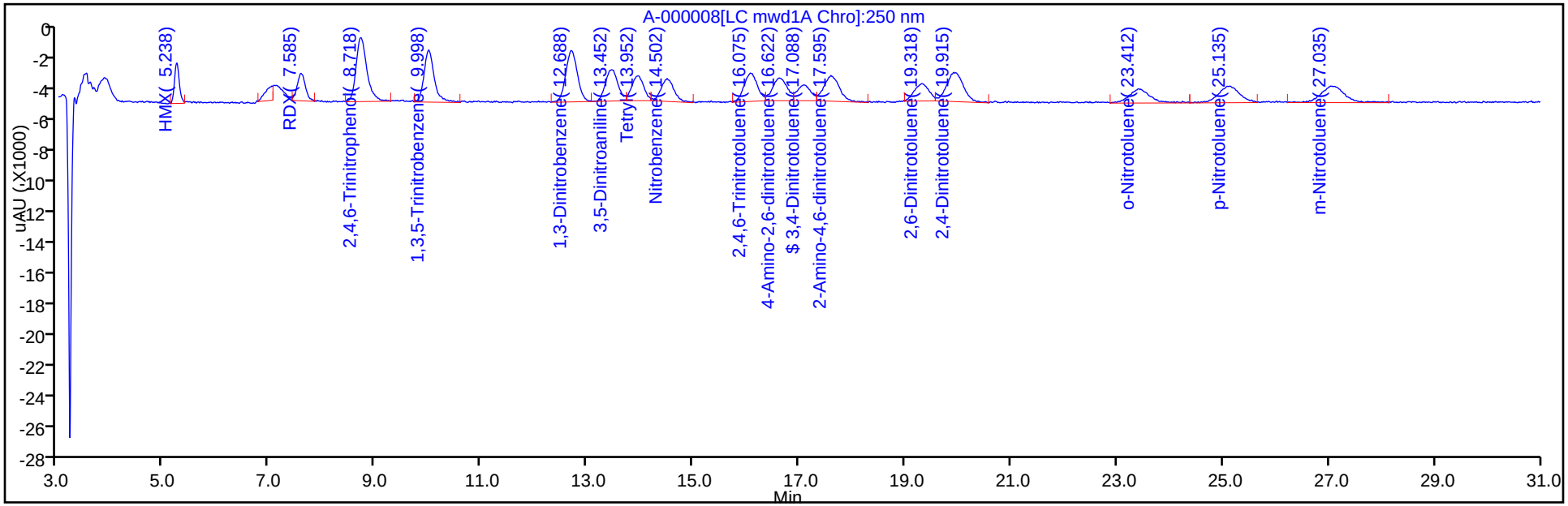
Report Date: 13-Sep-2012 10:19:54 Chrom Revision: 2.1 12-Sep-2012 21:43:20

TestAmerica West Sacramento

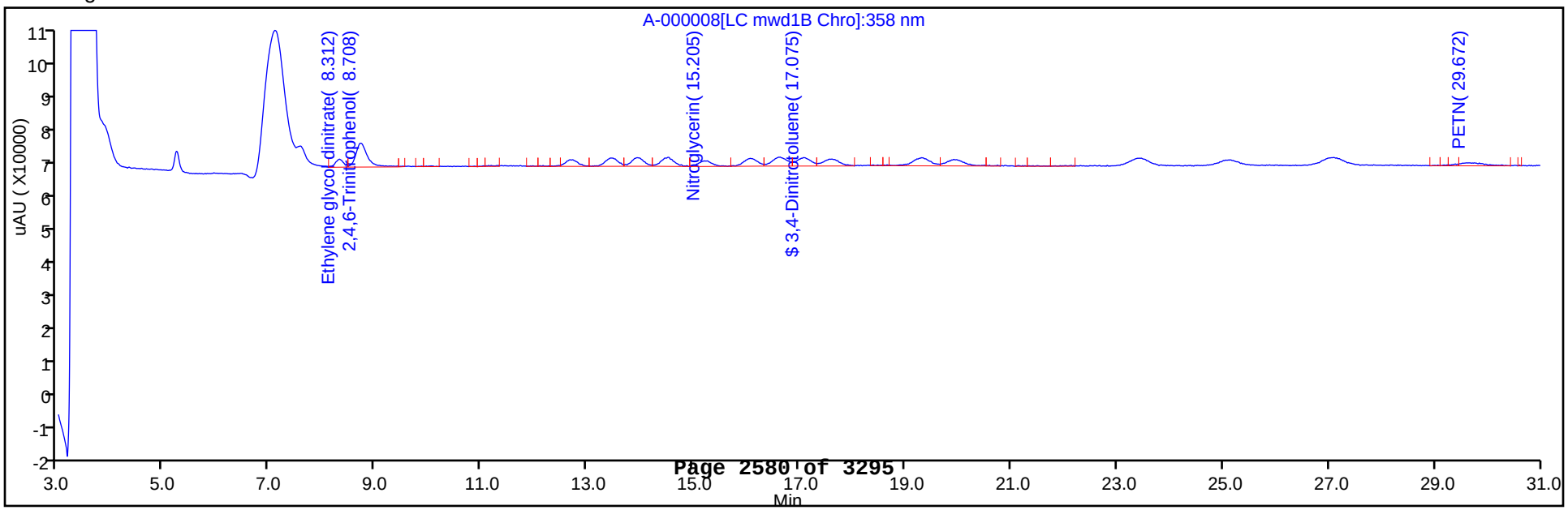
Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000008.D

Injection Date:	01-Sep-2012 13:10:34	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	3377	Lims Sample ID:	4
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

User Set Y Scaling: Alternate user entered



Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000009.D
Lims ID: STD04 Client ID:
Inject. Date: 01-Sep-2012 13:50:42 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: STD04 HP8330L4_00003 50ng/mL;1
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 14
Lims Batch ID: 3377 Lims Sample ID: 5
Sublist: chrom-8330_LC10*sub1

Method: \\SACChrom\ChromData\LC10\20120905-755.b\8330_LC10.m
Last Update: 13-Sep-2012 10:19:55 Calib Date: 01-Sep-2012 16:31:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK003

First Level Reviewer: chamberss Date: 11-Sep-2012 14:15:08

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.235	5.235	0.0	6327	50.3	
19 RDX						
1	7.585	7.579	0.006	4453	50.0	
3 Ethylene glycol dinitrate						
2	8.302	8.305	-0.003	4979	51.4	
10 2,4,6-Trinitrophenol						
2	8.702	8.685	0.017	13018	105.7	
1	8.698	8.685	0.013	8740	105.7	
27 1,3,5-Trinitrobenzene						
1	9.995	9.992	0.003	8146	50.1	
24 1,3-Dinitrobenzene						
1	12.692	12.682	0.010	8027	49.6	
9 3,5-Dinitroaniline						
1	13.455	13.449	0.006	5198	50.0	
20 Tetryl						
1	13.942	13.939	0.003	4225	48.8	
5 Nitrobenzene						
1	14.495	14.495	0.0	3643	49.4	
7 Nitroglycerin						
2	15.209	15.202	0.007	3288	50.7	
25 2,4,6-Trinitrotoluene						
1	16.085	16.069	0.016	4578	49.3	
26 4-Amino-2,6-dinitrotoluene						
1	16.635	16.619	0.016	3825	50.5	
$ 30 3,4-Dinitrotoluene						
1	17.079	17.072	0.007	2674	47.5	
2	17.065	17.082	-0.017	5072	49.1	

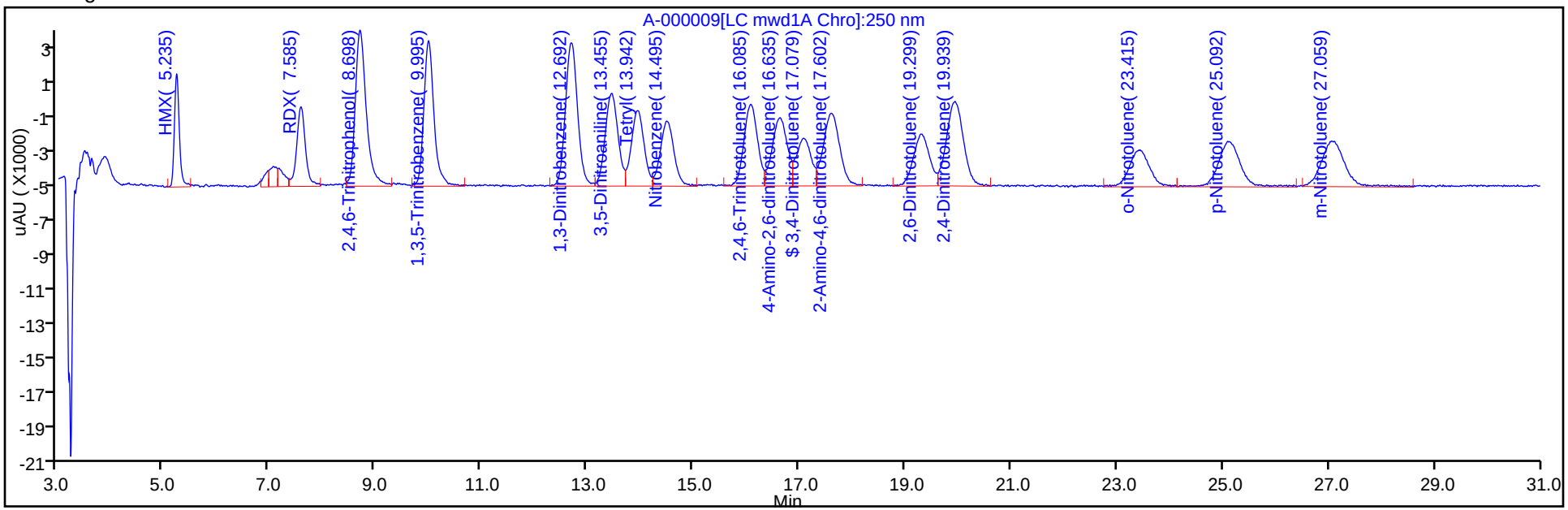
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.602	17.595	0.007	4074	48.7	
12 2,6-Dinitrotoluene						
1	19.299	19.285	0.014	2907	48.8	
23 2,4-Dinitrotoluene						
1	19.939	19.925	0.014	4738	49.4	
16 o-Nitrotoluene						
1	23.415	23.415	0.0	2064	46.3	
15 p-Nitrotoluene						
1	25.092	25.102	-0.010	2547	47.7	
8 m-Nitrotoluene						
1	27.059	27.052	0.007	2555	47.4	
21 PETN						
2	29.662	29.649	0.013	1905	51.9	

Report Date: 13-Sep-2012 10:19:55 Chrom Revision: 2.1 12-Sep-2012 21:43:20

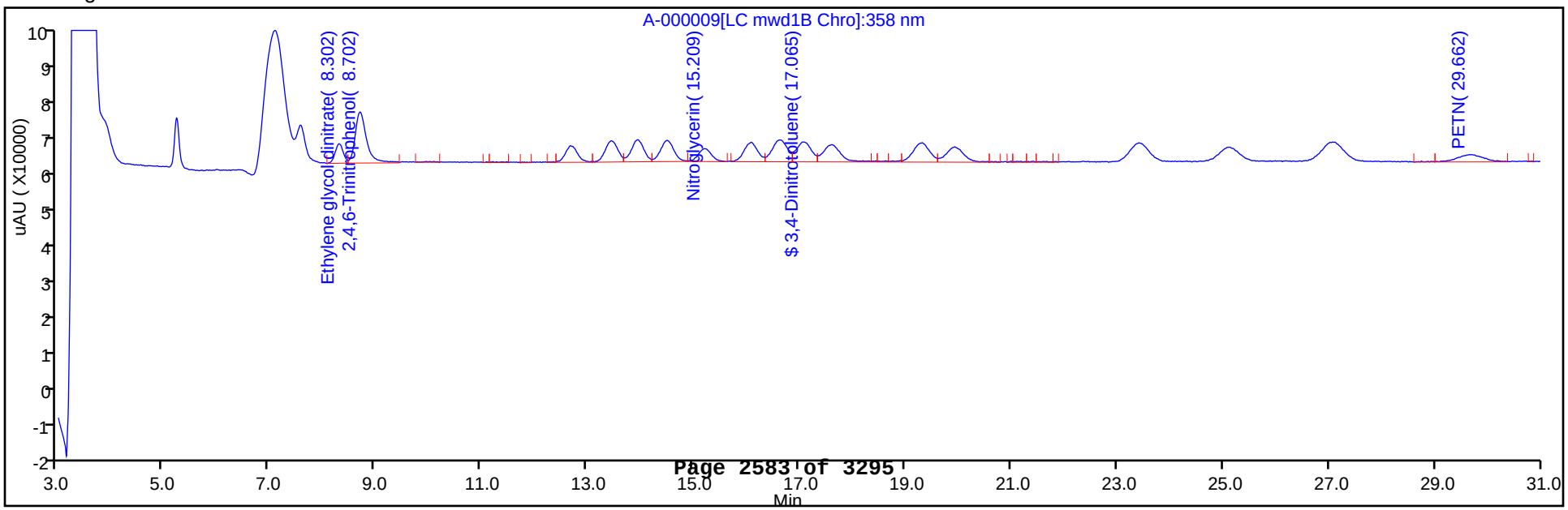
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20120905-755.b\A-000009.D		
Injection Date:	01-Sep-2012 13:50:42	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	3377	Lims Sample ID:	5
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000010.D
Lims ID: STD05 Client ID:
Inject. Date: 01-Sep-2012 14:30:45 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: STD05 HP8330L5_00004 100ng/mL;1
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 15
Lims Batch ID: 3377 Lims Sample ID: 6
Sublist: chrom-8330_LC10*sub1

Method: \\SACChrom\ChromData\LC10\20120905-755.b\8330_LC10.m
Last Update: 13-Sep-2012 10:19:55 Calib Date: 01-Sep-2012 16:31:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK003

First Level Reviewer: noonanr Date: 12-Sep-2012 13:24:27

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.235	5.235	0.0	12739	101.2	
19 RDX						
1	7.579	7.579	0.0	8536	95.8	
3 Ethylene glycol dinitrate						
2	8.305	8.305	0.0	10281	106.1	
10 2,4,6-Trinitrophenol						
2	8.685	8.685	0.0	25652	208.3	
1	8.685	8.685	0.0	16956	205.0	
27 1,3,5-Trinitrobenzene						
1	9.992	9.992	0.0	16163	99.3	
24 1,3-Dinitrobenzene						
1	12.682	12.682	0.0	16021	99.1	
9 3,5-Dinitroaniline						
1	13.449	13.449	0.0	10139	97.6	
20 Tetryl						
1	13.939	13.939	0.0	8264	95.5	
5 Nitrobenzene						
1	14.495	14.495	0.0	7116	96.5	
7 Nitroglycerin						
2	15.202	15.202	0.0	6542	100.8	
25 2,4,6-Trinitrotoluene						
1	16.069	16.069	0.0	8981	96.8	
26 4-Amino-2,6-dinitrotoluene						
1	16.619	16.619	0.0	7452	98.4	
$ 30 3,4-Dinitrotoluene						
1	17.072	17.072	0.0	5248	93.2	
2	17.082	17.082	0.0	10171	98.4	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.595	17.595	0.0	8044	96.2	
12 2,6-Dinitrotoluene						
1	19.285	19.285	0.0	5620	94.3	
23 2,4-Dinitrotoluene						
1	19.925	19.925	0.0	9373	97.7	
16 o-Nitrotoluene						
1	23.415	23.415	0.0	4150	93.1	
15 p-Nitrotoluene						
1	25.102	25.102	0.0	5047	94.5	
8 m-Nitrotoluene						M
1	27.052	27.052	0.0	5003	92.8	M
21 PETN						
2	29.649	29.649	0.0	3631	98.9	

QC Flag Legend

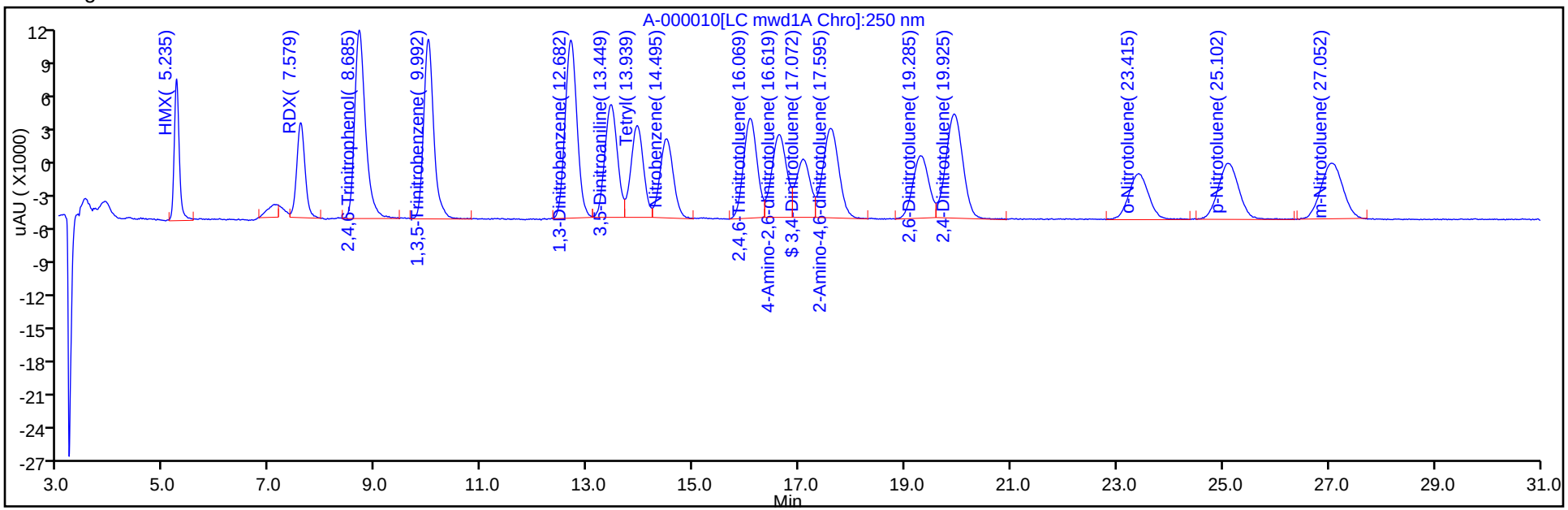
Review Flags
M - Manually Integrated

Report Date: 13-Sep-2012 10:19:56 Chrom Revision: 2.1 12-Sep-2012 21:43:20

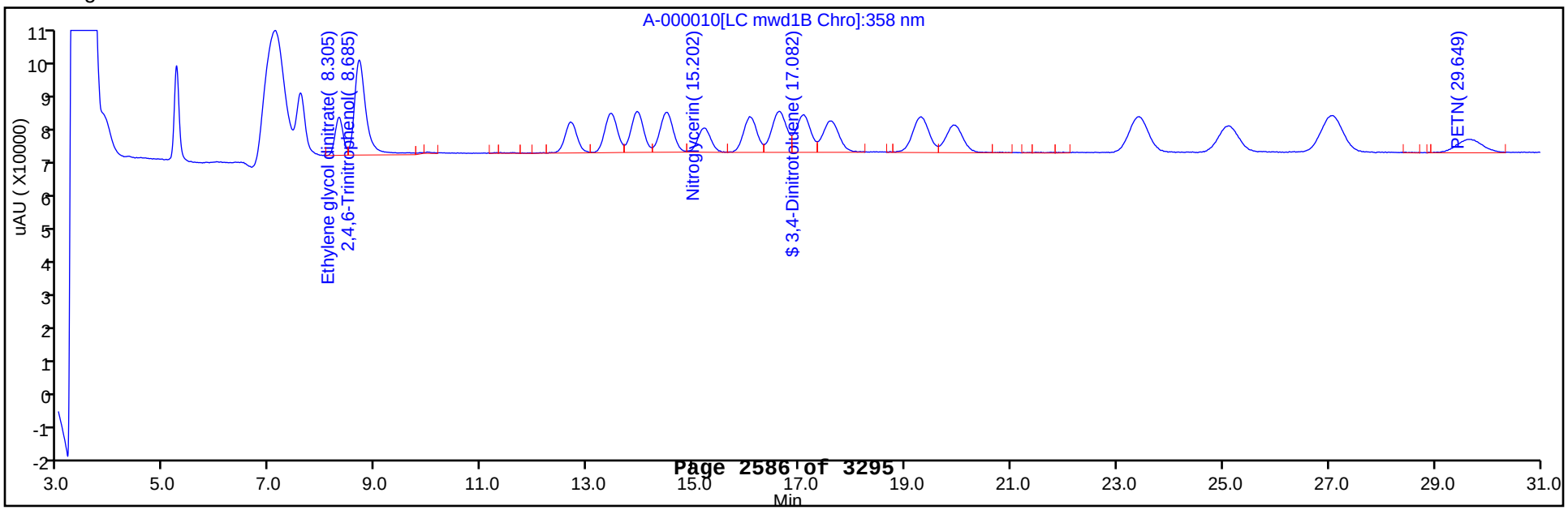
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20120905-755.b\A-000010.D		
Injection Date:	01-Sep-2012 14:30:45	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	3377	Lims Sample ID:	6
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



Manual Integration/User Assign Peak Report

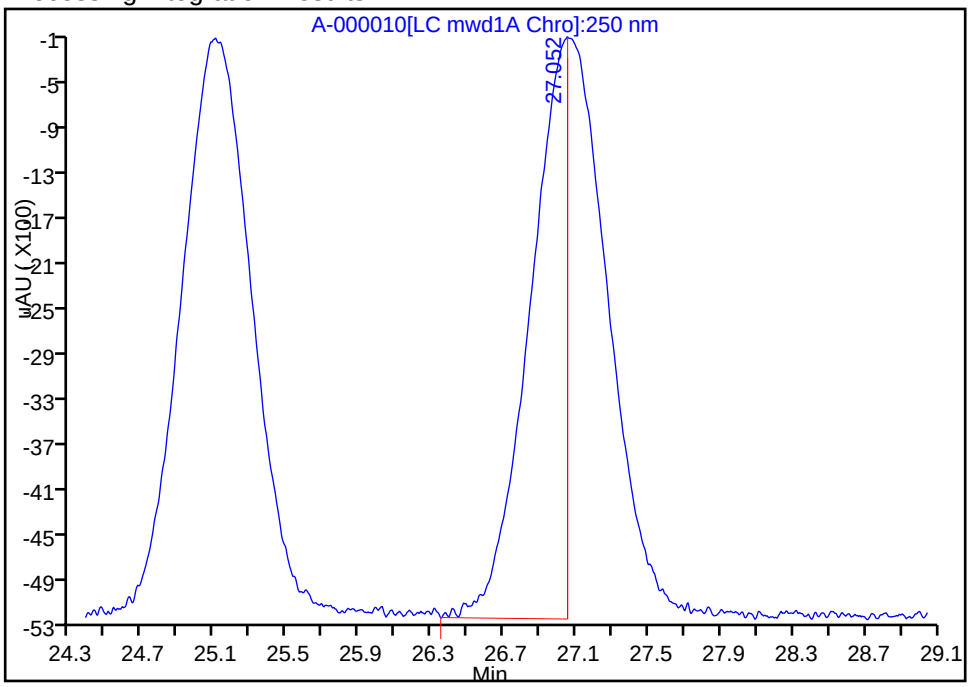
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20120905-755.b\A-000010.D		
Injection Date:	01-Sep-2012 14:30:45	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	3377	Lims Sample ID:	6
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

8 m-Nitrotoluene, Signal: 1, Type: quant, RT: 27.05, Det: LC mwd1A

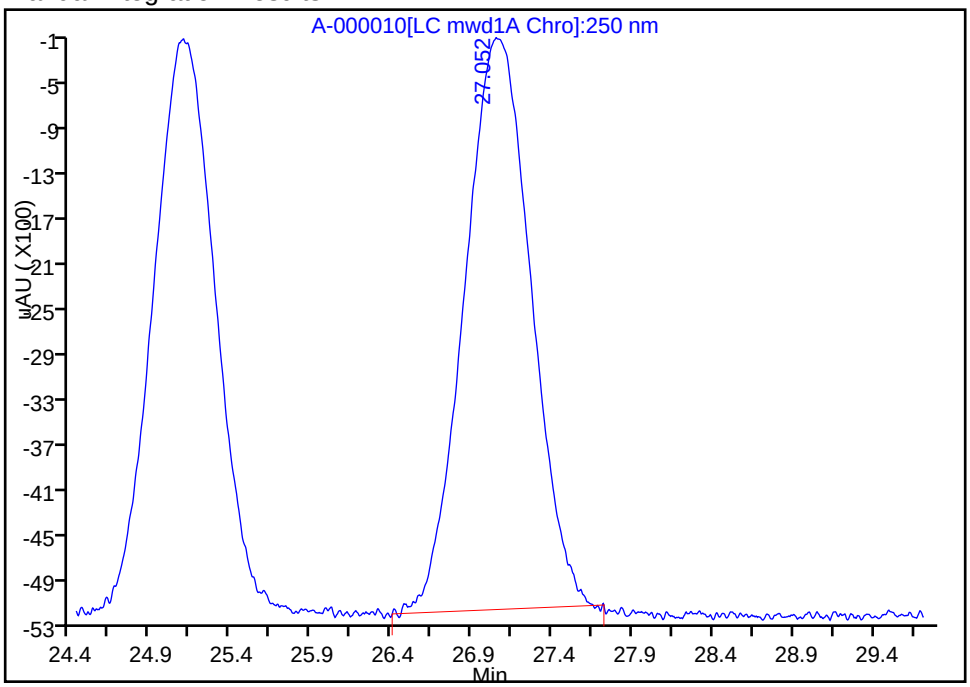
Processing Integration Results

RT: 27.05
Response: 5091
Amount: 94.175972



Manual Integration Results

RT: 27.05
Response: 5003
Amount: 92.750560



Reviewer: noonanr, 13-Sep-2012 09:42:08
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000011.D
Lims ID: STD06 Client ID:
Inject. Date: 01-Sep-2012 15:10:52 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: STD06 HP8330L6_00004 200ng/mL;1
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 16
Lims Batch ID: 3377 Lims Sample ID: 7
Sublist: chrom-8330_LC10*sub1

Method: \\SACChrom\ChromData\LC10\20120905-755.b\8330_LC10.m
Last Update: 13-Sep-2012 10:19:56 Calib Date: 01-Sep-2012 16:31:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK003

First Level Reviewer: noonanr Date: 12-Sep-2012 13:26:22

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.233	5.235	-0.002	25014	198.8	
19 RDX						
1	7.573	7.579	-0.006	16712	187.8	
3 Ethylene glycol dinitrate						
2	8.296	8.305	-0.009	20128	207.8	
10 2,4,6-Trinitrophenol						
2	8.650	8.685	-0.035	61874	502.4	
1	8.650	8.685	-0.035	41089	497.0	
27 1,3,5-Trinitrobenzene						
1	9.986	9.992	-0.006	31839	195.7	
24 1,3-Dinitrobenzene						
1	12.677	12.682	-0.005	31698	196.1	
9 3,5-Dinitroaniline						
1	13.437	13.449	-0.012	20311	195.4	
20 Tetryl						
1	13.933	13.939	-0.006	16873	194.9	
5 Nitrobenzene						
1	14.487	14.495	-0.008	14274	193.5	
7 Nitroglycerin						
2	15.197	15.202	-0.005	12931	199.3	
25 2,4,6-Trinitrotoluene						
1	16.067	16.069	-0.002	18091	194.9	
26 4-Amino-2,6-dinitrotoluene						
1	16.607	16.619	-0.012	15085	199.1	
$ 30 3,4-Dinitrotoluene						
1	17.073	17.072	0.001	10674	189.4	
2	17.070	17.082	-0.012	19828	191.9	

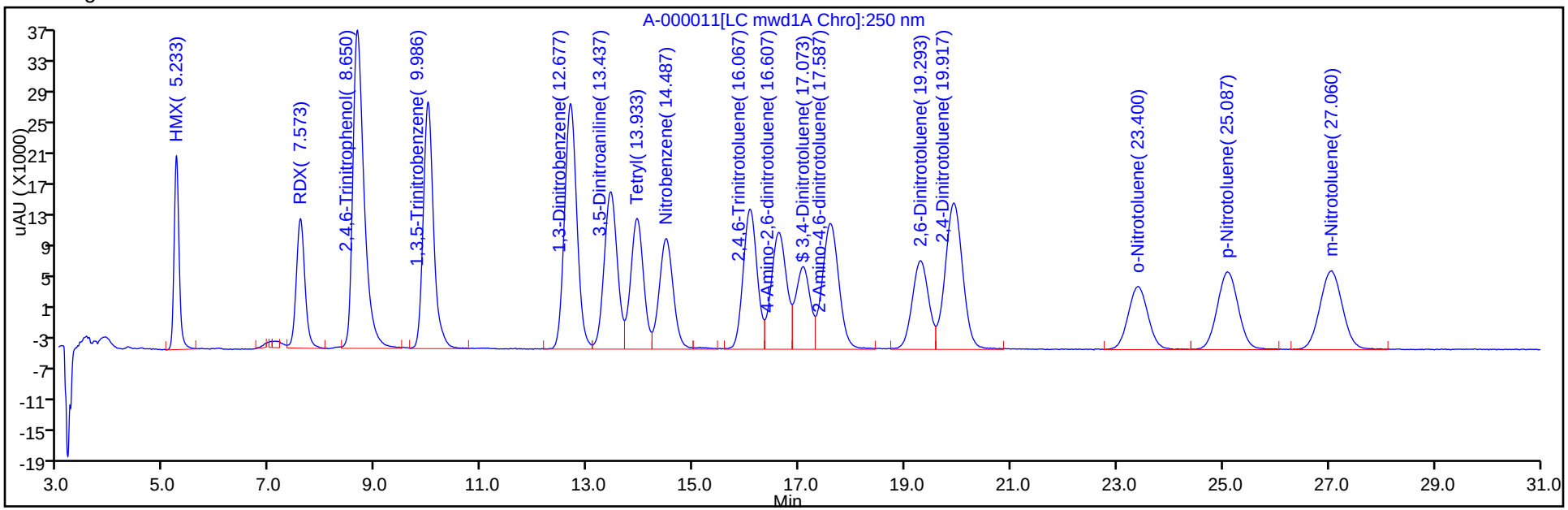
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.587	17.595	-0.008	16240	194.2	
12 2,6-Dinitrotoluene						
1	19.293	19.285	0.008	11446	192.1	
23 2,4-Dinitrotoluene						
1	19.917	19.925	-0.008	18903	196.9	
16 o-Nitrotoluene						
1	23.400	23.415	-0.015	8159	183.1	
15 p-Nitrotoluene						
1	25.087	25.102	-0.015	10033	187.7	
8 m-Nitrotoluene						
1	27.060	27.052	0.008	10192	188.9	
21 PETN						
2	29.663	29.649	0.014	7108	193.5	

Report Date: 13-Sep-2012 10:19:57 Chrom Revision: 2.1 12-Sep-2012 21:43:20

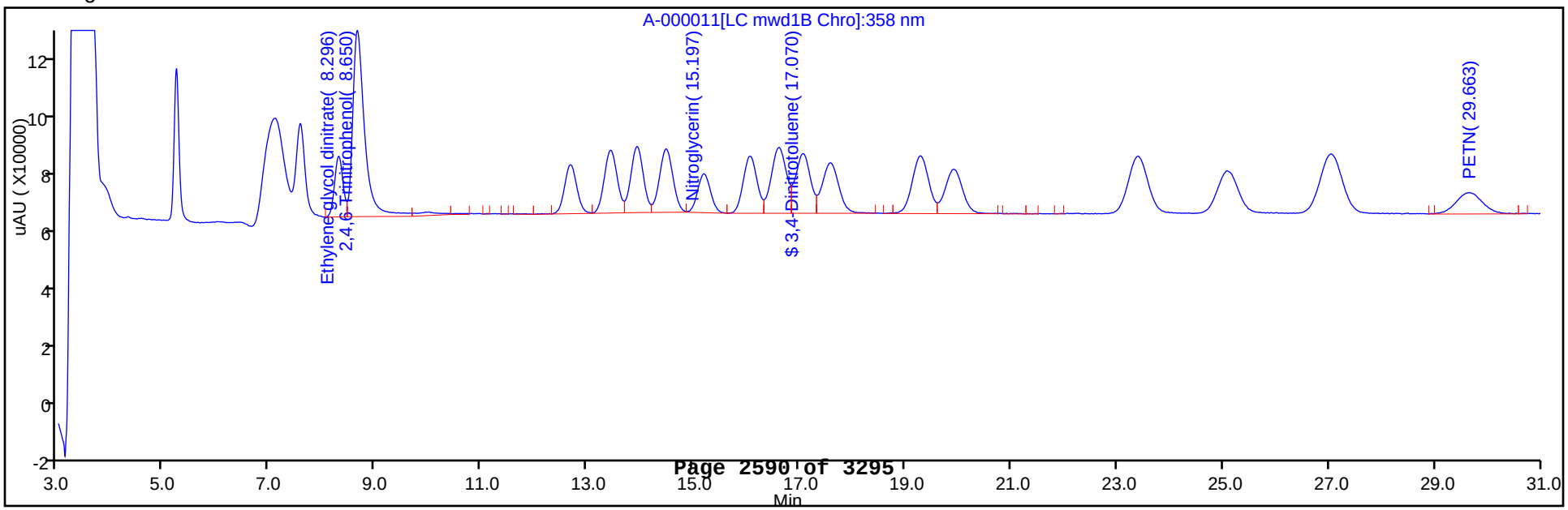
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20120905-755.b\A-000011.D		
Injection Date:	01-Sep-2012 15:10:52	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	3377	Lims Sample ID:	7
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC10\20120905-755.b\A-000012.D		
Lims ID:	STD07	Client ID:	
Inject. Date:	01-Sep-2012 15:50:51	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	STD07 HP8330L7_00003 500ng/mL;1		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC10
Injection Vol:	500.0 ul	ALS Bottle#:	17
Lims Batch ID:	3377	Lims Sample ID:	8
Sublist:	chrom-8330_LC10*sub1		
Method:	\\SACChrom\ChromData\LC10\20120905-755.b\8330_LC10.m		
Last Update:	13-Sep-2012 10:19:57	Calib Date:	01-Sep-2012 16:31:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm
Process Host:	XAWRK003		

First Level Reviewer: noonanr Date: 12-Sep-2012 13:26:45

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.219	5.235	-0.016	60012	477.0	
19 RDX						
1	7.552	7.579	-0.027	38684	434.7	
3 Ethylene glycol dinitrate						
2	8.275	8.305	-0.030	46640	481.5	
10 2,4,6-Trinitrophenol						
2	8.589	8.685	-0.096	113505	921.6	
1	8.589	8.685	-0.096	76565	926.2	
27 1,3,5-Trinitrobenzene						
1	9.965	9.992	-0.027	75872	466.4	
24 1,3-Dinitrobenzene						
1	12.652	12.682	-0.030	75133	464.7	
9 3,5-Dinitroaniline						
1	13.406	13.449	-0.043	48539	467.1	
20 Tetryl						
1	13.912	13.939	-0.027	41709	481.9	
5 Nitrobenzene						
1	14.459	14.495	-0.036	33500	454.3	
7 Nitroglycerin						
2	15.172	15.202	-0.030	31323	482.7	
25 2,4,6-Trinitrotoluene						
1	16.046	16.069	-0.023	44540	480.0	
26 4-Amino-2,6-dinitrotoluene						
1	16.579	16.619	-0.040	36822	486.2	
$ 30 3,4-Dinitrotoluene						
1	17.032	17.072	-0.040	16552	293.9	
2	17.046	17.082	-0.036	30648	296.6	

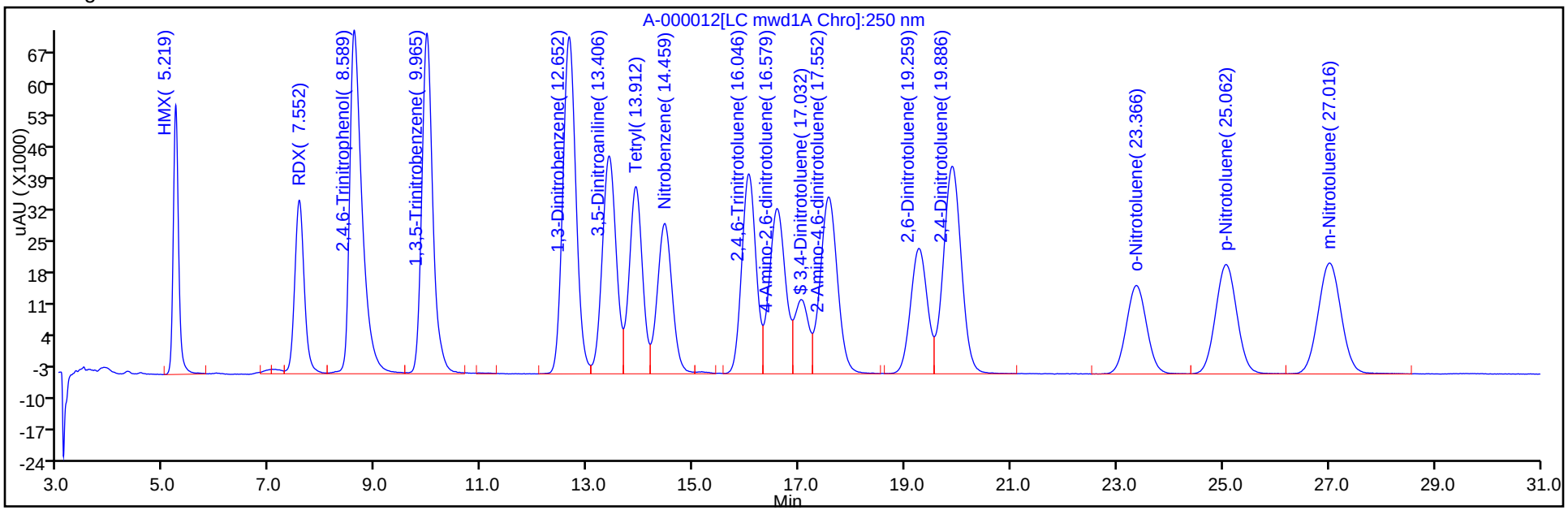
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.552	17.595	-0.043	39404	471.4	
12 2,6-Dinitrotoluene						
1	19.259	19.285	-0.026	27941	469.0	
23 2,4-Dinitrotoluene						
1	19.886	19.925	-0.039	46229	481.7	
16 o-Nitrotoluene						
1	23.366	23.415	-0.049	19740	443.0	
15 p-Nitrotoluene						
1	25.062	25.102	-0.040	24382	456.3	
8 m-Nitrotoluene						
1	27.016	27.052	-0.036	24716	458.3	
21 PETN						
2	29.619	29.649	-0.030	17810	485.0	

Report Date: 13-Sep-2012 10:19:57 Chrom Revision: 2.1 12-Sep-2012 21:43:20

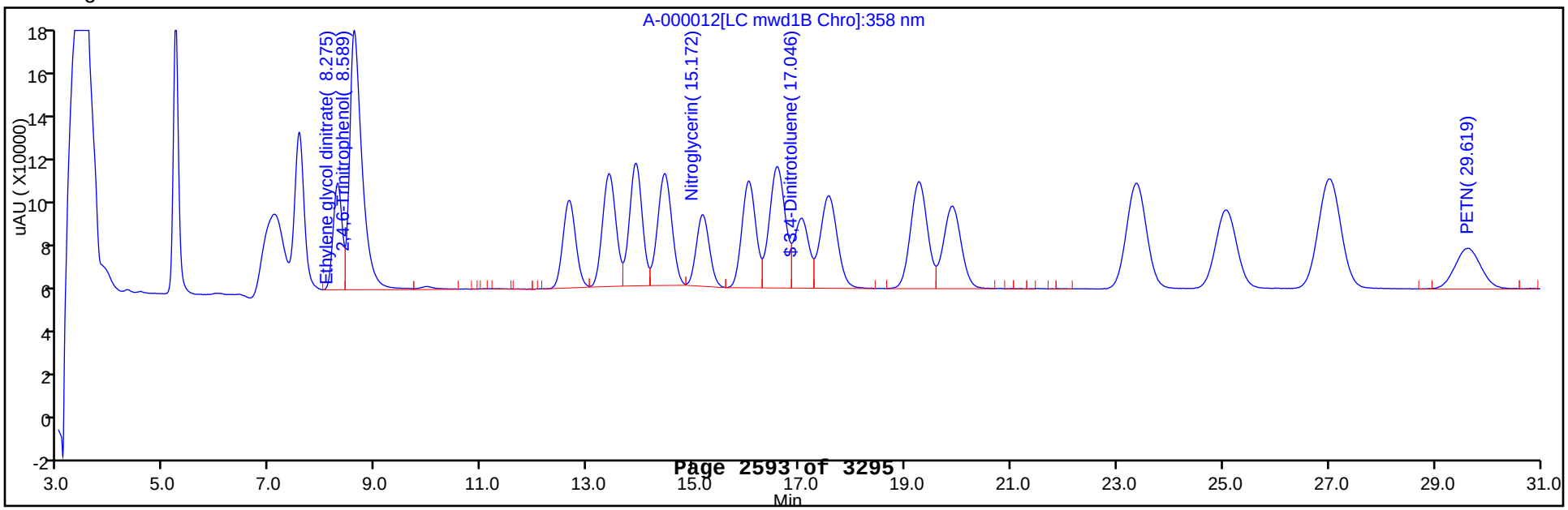
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20120905-755.b\A-000012.D		
Injection Date:	01-Sep-2012 15:50:51	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	3377	Lims Sample ID:	8
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
Lims ID: STD08 Client ID:
Inject. Date: 01-Sep-2012 16:31:00 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 8
Sample ID: STD08 HP8330L1_00003 1000ng/mL;1
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 18
Lims Batch ID: 3377 Lims Sample ID: 9
Sublist: chrom-8330_LC10*sub1

Method: \\SACChrom\ChromData\LC10\20120905-755.b\8330_LC10.m
Last Update: 13-Sep-2012 10:19:58 Calib Date: 01-Sep-2012 16:31:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK003

First Level Reviewer: noonanr Date: 12-Sep-2012 13:31:32

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.195	5.235	-0.040	103824	825.3	
19 RDX						
1	7.512	7.579	-0.067	62894	706.8	
3 Ethylene glycol dinitrate						
2	8.245	8.305	-0.060	78274	808.1	
10 2,4,6-Trinitrophenol						
2	8.499	8.685	-0.186	192528	1563.2	
1	8.495	8.685	-0.190	130237	1575.4	
27 1,3,5-Trinitrobenzene						
1	9.925	9.992	-0.067	131741	809.9	
24 1,3-Dinitrobenzene						
1	12.602	12.682	-0.080	129194	799.1	
9 3,5-Dinitroaniline						
1	13.349	13.449	-0.100	83656	805.1	
20 Tetryl						
1	13.866	13.939	-0.073	78184	903.3	
5 Nitrobenzene						
1	14.399	14.495	-0.096	58527	793.7	
7 Nitroglycerin						
2	15.126	15.202	-0.076	56481	870.5	
25 2,4,6-Trinitrotoluene						
1	16.002	16.069	-0.067	82556	889.7	
26 4-Amino-2,6-dinitrotoluene						
1	16.519	16.619	-0.100	66457	877.5	
$ 30 3,4-Dinitrotoluene						
1	16.972	17.072	-0.100	26867	477.1	
2	16.982	17.082	-0.100	48479	469.2	

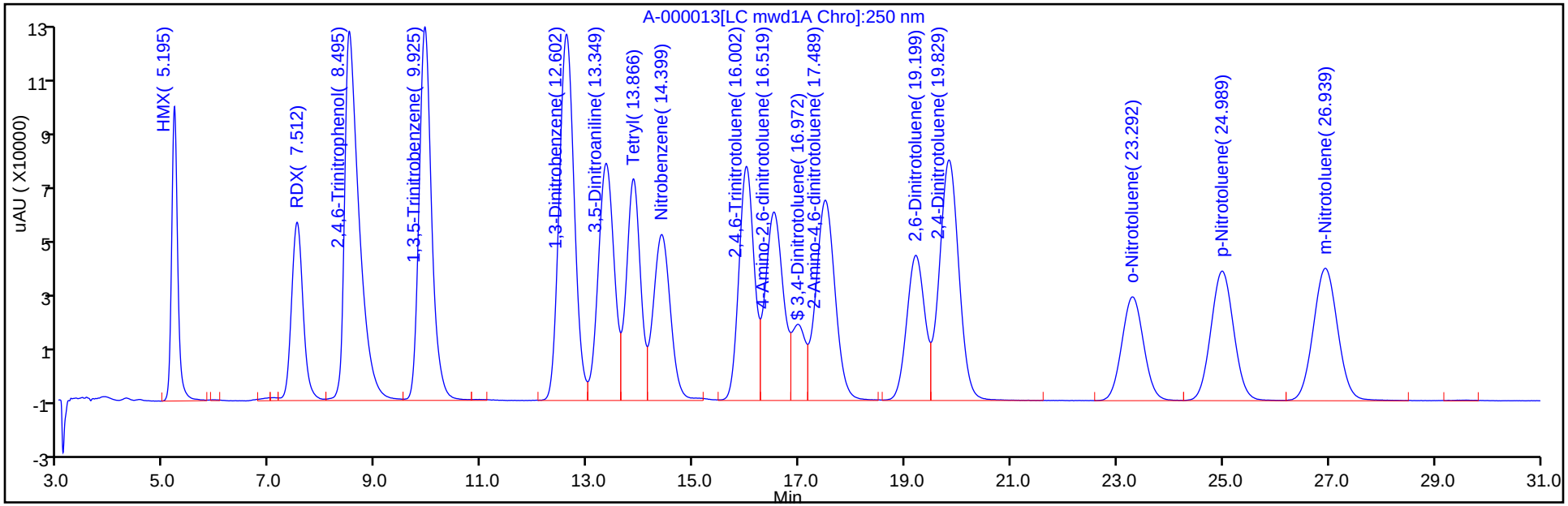
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.489	17.595	-0.106	70652	845.2	
12 2,6-Dinitrotoluene						
1	19.199	19.285	-0.086	51202	859.4	
23 2,4-Dinitrotoluene						
1	19.829	19.925	-0.096	84833	884.0	
16 o-Nitrotoluene						
1	23.292	23.415	-0.123	36585	821.1	
15 p-Nitrotoluene						
1	24.989	25.102	-0.113	45695	855.2	
8 m-Nitrotoluene						
1	26.939	27.052	-0.113	46712	866.1	
21 PETN						
2	29.569	29.649	-0.080	34728	945.6	

Report Date: 13-Sep-2012 10:19:58 Chrom Revision: 2.1 12-Sep-2012 21:43:20

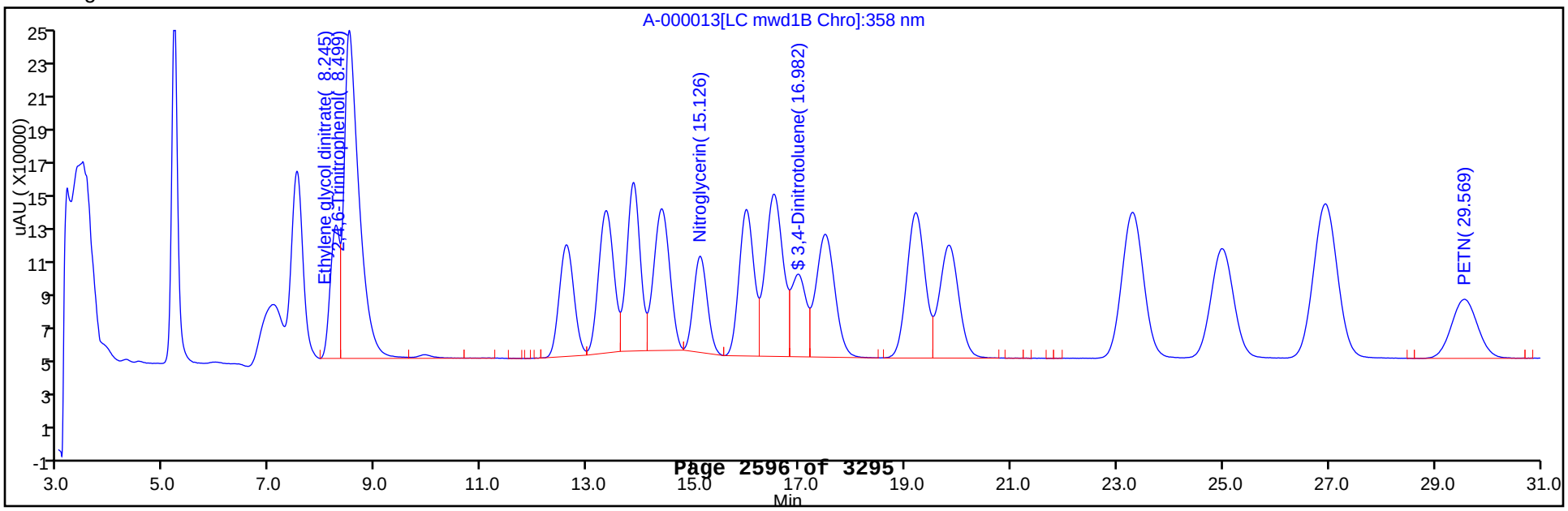
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D		
Injection Date:	01-Sep-2012 16:31:00	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	3377	Lims Sample ID:	9
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 320-3377/11 Calibration Date: 09/01/2012 17:51

Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50

GC Column: Synergi C18 ID: 4.60(mm) Calib End Date: 09/01/2012 16:31

Lab File ID: A-000015.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.8	129.4		514	500	2.8	20.0
RDX	Ave	88.99	86.72		487	500	-2.5	20.0
Ethylene glycol dinitrate	Ave	96.86	112.1		579	500	15.7	20.0
1,3,5-Trinitrobenzene	Ave	162.7	158.6		488	500	-2.5	20.0
1,3-Dinitrobenzene	Ave	161.7	155.7		481	500	-3.7	20.0
3,5-Dinitroaniline	Ave	103.9	108.4		522	500	4.3	20.0
Tetryl	Ave	86.55	92.08		532	500	6.4	20.0
Nitrobenzene	Ave	73.74	71.77		487	500	-2.7	20.0
Nitroglycerin	Ave	64.89	64.13		494	500	-1.2	20.0
2,4,6-Trinitrotoluene	Ave	92.79	94.76		511	500	2.1	20.0
4-Amino-2,6-dinitrotoluene	Ave	75.73	72.57		479	500	-4.2	20.0
2-Amino-4,6-dinitrotoluene	Ave	83.59	81.12		485	500	-3.0	20.0
2,6-Dinitrotoluene	Ave	59.58	57.45		482	500	-3.6	20.0
2,4-Dinitrotoluene	Ave	95.97	94.66		493	500	-1.4	20.0
2-Nitrotoluene	Ave	44.56	40.14		450	500	-9.9	20.0
4-Nitrotoluene	Ave	53.43	49.54		464	500	-7.3	20.0
3-Nitrotoluene	Ave	53.94	48.54		450	500	-10.0	20.0
PETN	Ave	36.72	35.94		489	500	-2.1	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICV 320-3377/11 Calibration Date: 09/01/2012 17:51

Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50

GC Column: Synergi C18 ID: 4.60(mm) Calib End Date: 09/01/2012 16:31

Lab File ID: A-000015.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.24	4.99	5.49
RDX	7.58	7.33	7.83
Ethylene glycol dinitrate	8.30	8.06	8.56
1,3,5-Trinitrobenzene	9.99	9.74	10.24
1,3-Dinitrobenzene	12.68	12.43	12.93
3,5-Dinitroaniline	13.44	13.20	13.70
Tetryl	13.94	13.69	14.19
Nitrobenzene	14.49	14.25	14.75
Nitroglycerin	15.19	14.95	15.45
2,4,6-Trinitrotoluene	16.07	15.82	16.32
4-Amino-2,6-dinitrotoluene	16.61	16.37	16.87
2-Amino-4,6-dinitrotoluene	17.59	17.35	17.85
2,6-Dinitrotoluene	19.29	19.04	19.54
2,4-Dinitrotoluene	19.92	19.68	20.18
2-Nitrotoluene	23.39	23.17	23.67
4-Nitrotoluene	25.08	24.85	25.35
3-Nitrotoluene	27.04	26.80	27.30
PETN	29.65	29.40	29.90

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000015.D
Lims ID: ICV Client ID:
Inject. Date: 01-Sep-2012 17:51:02 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV HP8330IC_00005 500ng/mL;2
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 19
Lims Batch ID: 3377 Lims Sample ID: 11
Sublist:

Method: \\SACChrom\ChromData\LC10\20120905-755.b\8330_LC10.m
Last Update: 13-Sep-2012 10:19:58 Calib Date: 01-Sep-2012 16:31:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK003

First Level Reviewer: noonanr Date: 12-Sep-2012 13:53:23

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.238	5.235	0.003	64694	514.2	
19 RDX						
1	7.584	7.579	0.005	43361	487.3	
3 Ethylene glycol dinitrate						
2	8.304	8.305	-0.001	56056	578.7	
10 2,4,6-Trinitrophenol						
2	8.611	8.685	-0.074	118451	961.8	
1	8.611	8.685	-0.074	78800	953.2	
27 1,3,5-Trinitrobenzene						
1	9.991	9.992	-0.001	79307	487.5	
24 1,3-Dinitrobenzene						
1	12.684	12.682	0.002	77842	481.5	
9 3,5-Dinitroaniline						
1	13.438	13.449	-0.011	54213	521.7	
20 Tetryl						
1	13.938	13.939	-0.001	46038	531.9	
5 Nitrobenzene						
1	14.488	14.495	-0.007	35885	486.6	
7 Nitroglycerin						
2	15.194	15.202	-0.008	32066	494.2	
25 2,4,6-Trinitrotoluene						
1	16.071	16.069	0.002	47381	510.6	
26 4-Amino-2,6-dinitrotoluene						
1	16.611	16.619	-0.008	36286	479.1	
6 2-Amino-4,6-dinitrotoluene						
1	17.591	17.595	-0.004	40559	485.2	

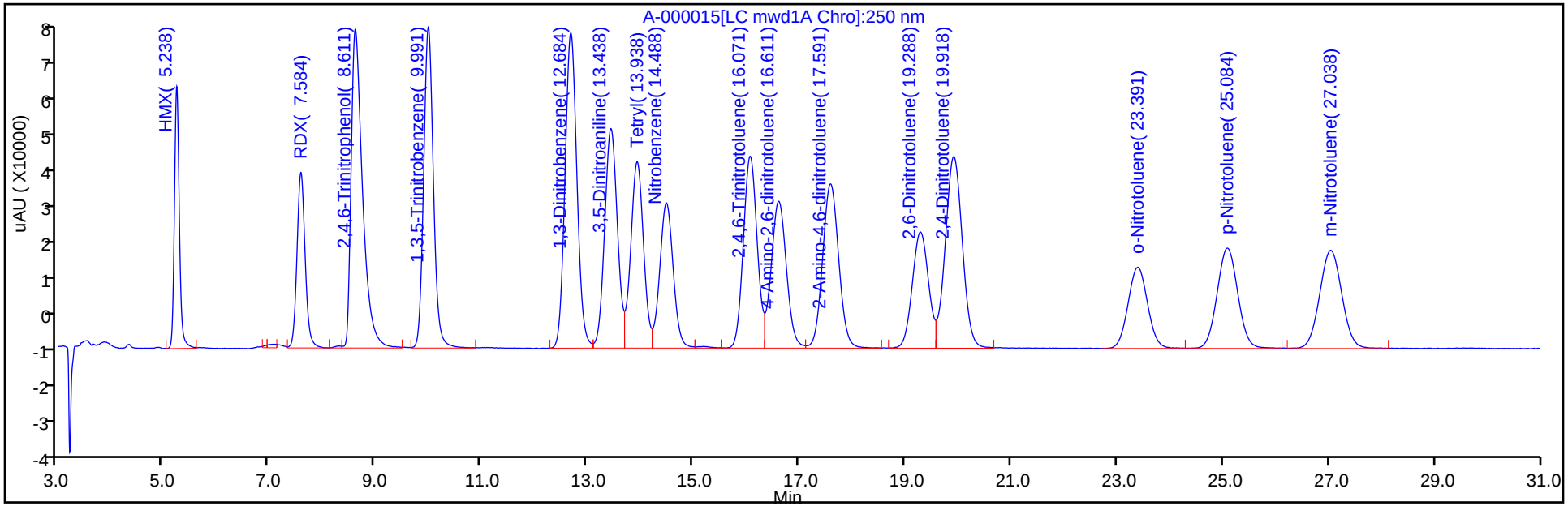
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
12 2,6-Dinitrotoluene						
1	19.288	19.285	0.003	28726	482.1	
23 2,4-Dinitrotoluene						
1	19.918	19.925	-0.007	47332	493.2	
16 o-Nitrotoluene						
1	23.391	23.415	-0.024	20070	450.5	
15 p-Nitrotoluene						
1	25.084	25.102	-0.018	24769	463.6	
8 m-Nitrotoluene						
1	27.038	27.052	-0.014	24271	450.0	
21 PETN						
2	29.648	29.649	-0.001	17969	489.3	

Report Date: 13-Sep-2012 10:20:00 Chrom Revision: 2.1 12-Sep-2012 21:43:20

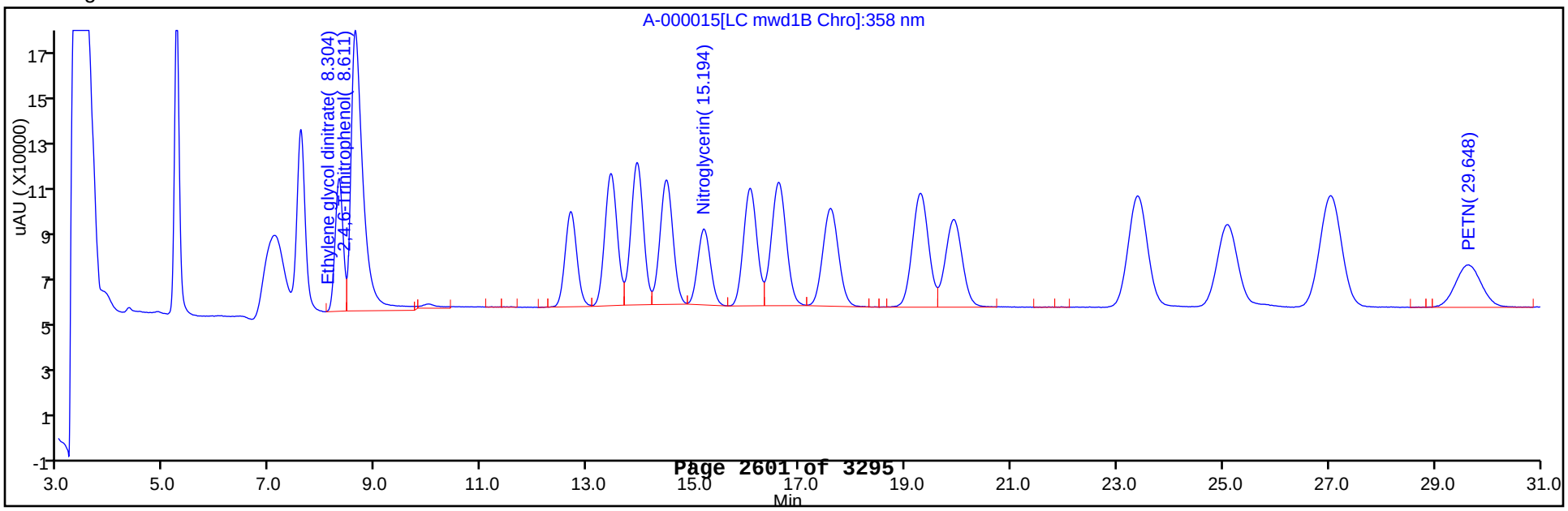
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20120905-755.b\A-000015.D		
Injection Date:	01-Sep-2012 17:51:02	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	3377	Lims Sample ID:	11
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Lab Sample ID: LODV 320-3377/13 Calibration Date: 09/01/2012 19:11

Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50

GC Column: Synergi C18 ID: 4.60(mm) Calib End Date: 09/01/2012 16:31

Lab File ID: A-000017.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.8	123.8		4.92	5.00	-1.6	
RDX	Ave	88.99	99.40		5.59	5.00	11.7	
1,3,5-Trinitrobenzene	Ave	162.7	165.0		5.07	5.00	1.4	
1,3-Dinitrobenzene	Ave	161.7	168.6		5.21	5.00	4.3	
3,5-Dinitroaniline	Ave	103.9	110.0		5.29	5.00	5.9	
Tetryl	Ave	86.55	76.60		4.43	5.00	-11.5	
Nitrobenzene	Ave	73.74	77.80		5.28	5.00	5.5	
Nitroglycerin	Ave	64.89	84.10		25.9	20.0	29.6	
2,4,6-Trinitrotoluene	Ave	92.79	89.60		4.83	5.00	-3.4	
4-Amino-2,6-dinitrotoluene	Ave	75.73	92.20		6.09	5.00	21.7	
2-Amino-4,6-dinitrotoluene	Ave	83.59	91.20		5.46	5.00	9.1	
2,6-Dinitrotoluene	Ave	59.58	63.20		5.30	5.00	6.1	
2,4-Dinitrotoluene	Ave	95.97	108.0		5.63	5.00	12.5	
2-Nitrotoluene	Ave	44.56	55.20		6.19	5.00	23.9	
4-Nitrotoluene	Ave	53.43	69.20		6.48	5.00	29.5	
3-Nitrotoluene	Ave	53.94	62.60		5.80	5.00	16.1	
PETN	Ave	36.72	36.40		19.8	20.0	-0.9	
3,4-Dinitrotoluene	Ave	56.32	52.85		18.8	20.0	-6.2	

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Lab Sample ID: LODV 320-3377/13 Calibration Date: 09/01/2012 19:11

Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50

GC Column: Synergi C18 ID: 4.60(mm) Calib End Date: 09/01/2012 16:31

Lab File ID: A-000017.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.25	4.99	5.49
RDX	7.57	7.33	7.83
1,3,5-Trinitrobenzene	10.01	9.74	10.24
1,3-Dinitrobenzene	12.70	12.43	12.93
3,5-Dinitroaniline	13.46	13.20	13.70
Tetryl	13.90	13.69	14.19
Nitrobenzene	14.53	14.25	14.75
Nitroglycerin	15.19	14.95	15.45
2,4,6-Trinitrotoluene	16.09	15.82	16.32
4-Amino-2,6-dinitrotoluene	16.61	16.37	16.87
2-Amino-4,6-dinitrotoluene	17.57	17.35	17.85
2,6-Dinitrotoluene	19.30	19.04	19.54
2,4-Dinitrotoluene	19.97	19.68	20.18
2-Nitrotoluene	23.32	23.17	23.67
4-Nitrotoluene	25.07	24.85	25.35
3-Nitrotoluene	27.00	26.80	27.30
PETN	29.57	29.40	29.90
Ethylene glycol dinitrate			
3,4-Dinitrotoluene	17.07	16.82	17.32

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000017.D
Lims ID: LODV 5-20ng/mL Client ID:
Inject. Date: 01-Sep-2012 19:11:04 Dil. Factor: 1.0000
Sample Type: LODV
Sample ID: MRL HP8330ICL_00002 5-50ng/mL;2
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 21
Lims Batch ID: 3377 Lims Sample ID: 13

Method: \\SACChrom\ChromData\LC10\20120905-755.b\8330_LC10.m
Last Update: 13-Sep-2012 13:28:32 Calib Date: 01-Sep-2012 16:31:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK036

First Level Reviewer: noonanr Date: 12-Sep-2012 14:27:02

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.245	5.235	0.010	619	4.92	
19 RDX						
1	7.565	7.579	-0.014	497	5.59	
27 1,3,5-Trinitrobenzene						
1	10.005	9.992	0.013	825	5.07	
24 1,3-Dinitrobenzene						
1	12.702	12.682	0.020	843	5.21	
9 3,5-Dinitroaniline						
1	13.459	13.449	0.010	550	5.29	
20 Tetryl						
1	13.902	13.939	-0.037	383	4.43	
5 Nitrobenzene						
1	14.532	14.495	0.037	389	5.28	
7 Nitroglycerin						
2	15.186	15.202	-0.016	1682	25.9	
25 2,4,6-Trinitrotoluene						
1	16.092	16.069	0.023	448	4.83	
26 4-Amino-2,6-dinitrotoluene						
1	16.609	16.619	-0.010	461	6.09	
$ 30 3,4-Dinitrotoluene						
1	17.069	17.072	-0.003	1057	18.8	
2	17.109	17.082	0.027	2127	20.6	
6 2-Amino-4,6-dinitrotoluene						
1	17.569	17.595	-0.026	456	5.46	
12 2,6-Dinitrotoluene						
1	19.299	19.285	0.014	316	5.30	
23 2,4-Dinitrotoluene						
1	19.966	19.925	0.041	540	5.63	

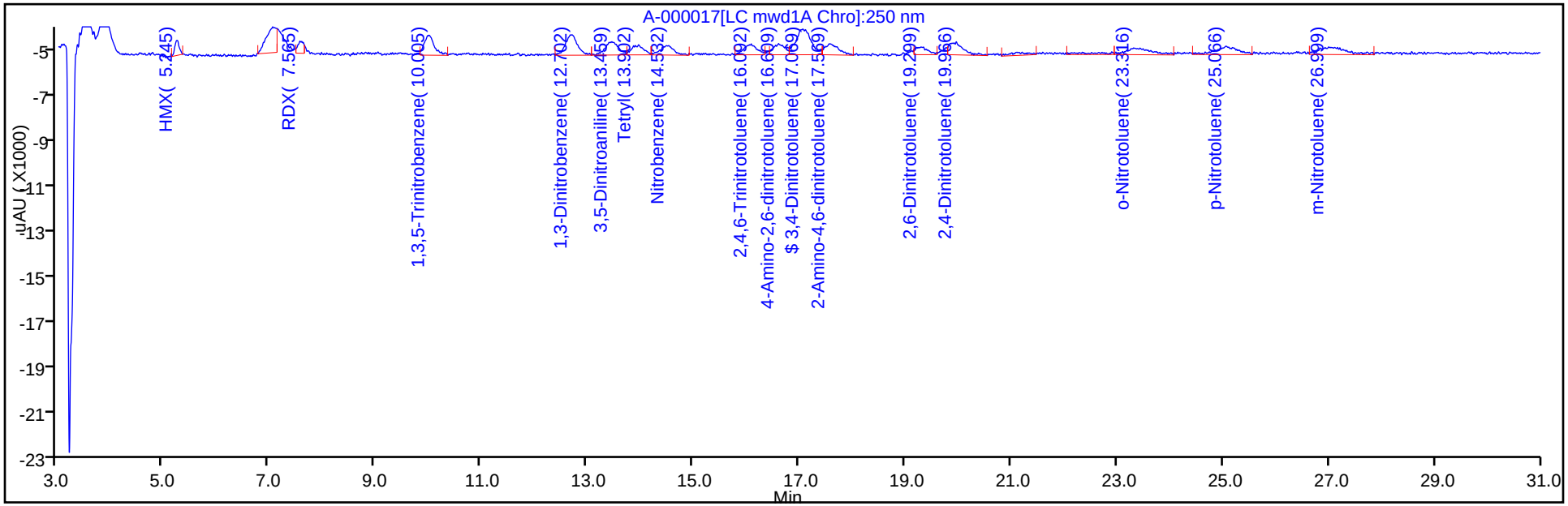
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
16 o-Nitrotoluene						
1	23.316	23.415	-0.099	276	6.19	
15 p-Nitrotoluene						
1	25.066	25.102	-0.036	346	6.48	
8 m-Nitrotoluene						
1	26.999	27.052	-0.053	313	5.80	
21 PETN						
2	29.572	29.649	-0.077	728	19.8	

Report Date: 18-Sep-2012 08:28:09 Chrom Revision: 2.1 16-Sep-2012 09:37:06

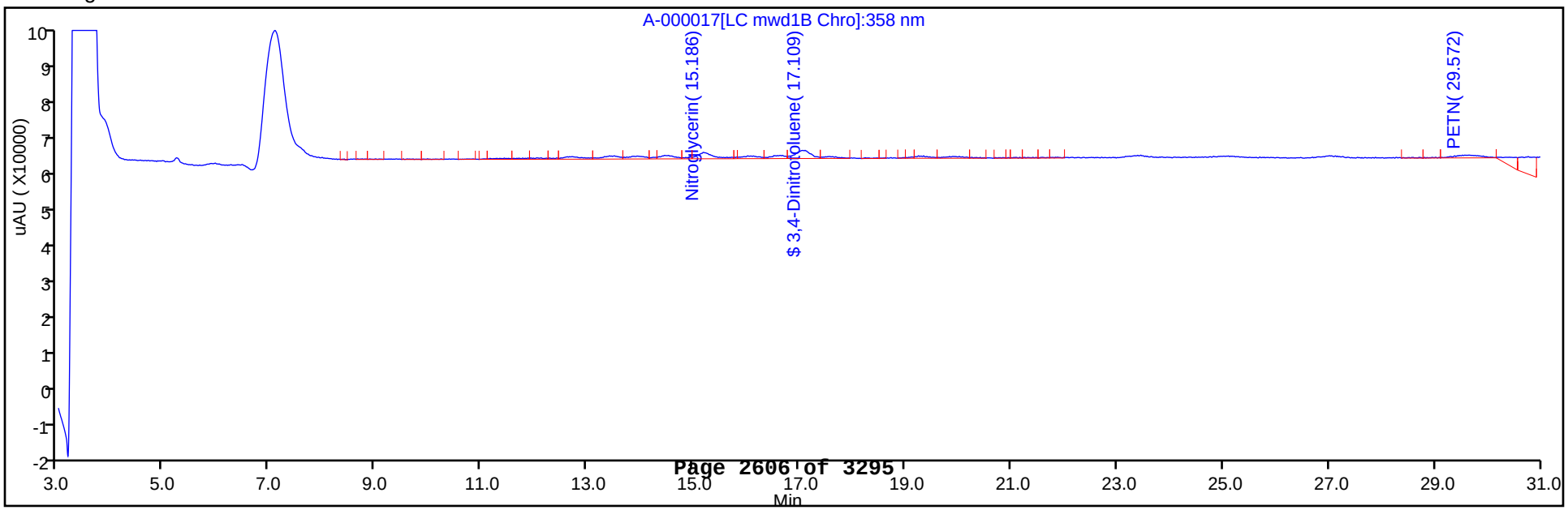
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20120905-755.b\A-000017.D		
Injection Date:	01-Sep-2012 19:11:04	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	3377	Lims Sample ID:	13
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCVL 320-7620/47 Calibration Date: 12/20/2012 23:55

Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50

GC Column: Synergi C18 ID: 4.60(mm) Calib End Date: 09/01/2012 16:31

Lab File ID: S000048.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.8	166.0		6.60	5.00	31.9*	30.0
RDX	Ave	88.99	147.8		8.30	5.00	66.1*	30.0
1,3,5-Trinitrobenzene	Ave	162.7	198.6		6.10	5.00	22.1	30.0
1,3-Dinitrobenzene	Ave	161.7	194.8		6.02	5.00	20.5	30.0
3,5-Dinitroaniline	Ave	103.9	137.8		6.63	5.00	32.6*	30.0
Tetryl	Ave	86.55	119.4		6.90	5.00	38.0*	30.0
Nitrobenzene	Ave	73.74	103.2		7.00	5.00	40.0*	30.0
Nitroglycerin	Ave	64.89	77.75		24.0	20.0	19.8	30.0
2,4,6-Trinitrotoluene	Ave	92.79	128.6		6.93	5.00	38.6*	30.0
4-Amino-2,6-dinitrotoluene	Ave	75.73	110.4		7.29	5.00	45.8*	30.0
2-Amino-4,6-dinitrotoluene	Ave	83.59	104.0		6.22	5.00	24.4	30.0
2,6-Dinitrotoluene	Ave	59.58	92.00		7.72	5.00	54.4*	30.0
2,4-Dinitrotoluene	Ave	95.97	124.8		6.50	5.00	30.0	30.0
2-Nitrotoluene	Ave	44.56	71.60		8.04	5.00	60.7*	30.0
4-Nitrotoluene	Ave	53.43	75.20		7.04	5.00	40.7*	30.0
3-Nitrotoluene	Ave	53.94	69.00		6.40	5.00	27.9	30.0
PETN	Ave	36.72	61.30		33.4	20.0	66.9*	30.0
3,4-Dinitrotoluene	Ave	56.32	59.95		21.3	20.0	6.5	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCVL 320-7620/47 Calibration Date: 12/20/2012 23:55

Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50

GC Column: Synergi C18 ID: 4.60(mm) Calib End Date: 09/01/2012 16:31

Lab File ID: S000048.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.22	4.97	5.47
RDX	7.49	7.24	7.74
1,3,5-Trinitrobenzene	9.84	9.59	10.09
1,3-Dinitrobenzene	12.46	12.21	12.71
3,5-Dinitroaniline	13.21	12.96	13.46
Tetryl	13.64	13.39	13.89
Nitrobenzene	14.20	13.95	14.45
Nitroglycerin	14.88	14.63	15.13
2,4,6-Trinitrotoluene	15.75	15.50	16.00
4-Amino-2,6-dinitrotoluene	16.27	16.02	16.52
2-Amino-4,6-dinitrotoluene	17.28	17.03	17.53
2,6-Dinitrotoluene	18.89	18.64	19.14
2,4-Dinitrotoluene	19.46	19.21	19.71
2-Nitrotoluene	22.83	22.58	23.08
4-Nitrotoluene	24.48	24.23	24.73
3-Nitrotoluene	26.26	26.01	26.51
PETN	28.73	28.48	28.98
3,4-Dinitrotoluene	16.75	16.50	17.00

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC10\20121219-1888.b\S000048.D		
Lims ID:	CCVL	Client ID:	
Inject. Date:	20-Dec-2012 23:55:13	Dil. Factor:	1.0000
Sample Type:	CCVL		
Sample ID:	320-0001888-047		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC10
Injection Vol:	500.0 ul	ALS Bottle#:	10
Lims Batch ID:	7620	Lims Sample ID:	47
Sublist:	chrom-8330_LC10*sub2		
Method:	\\SACChrom\ChromData\LC10\20121219-1888.b\8330_LC10.m		
Last Update:	21-Dec-2012 14:23:44	Calib Date:	01-Sep-2012 16:31:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm
Process Host:	XAWRK023		

First Level Reviewer: noonanr Date: 21-Dec-2012 14:23:44

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.218	5.218	0.0	830	6.60	
19 RDX						
1	7.491	7.491	0.0	739	8.30	
27 1,3,5-Trinitrobenzene						
1	9.838	9.838	0.0	993	6.10	
24 1,3-Dinitrobenzene						
1	12.461	12.461	0.0	974	6.02	
9 3,5-Dinitroaniline						
1	13.208	13.208	0.0	689	6.63	
20 Tetryl						
1	13.641	13.641	0.0	597	6.90	
5 Nitrobenzene						
1	14.198	14.198	0.0	516	7.00	
7 Nitroglycerin						
2	14.878	14.878	0.0	1555	24.0	
25 2,4,6-Trinitrotoluene						
1	15.748	15.748	0.0	643	6.93	
26 4-Amino-2,6-dinitrotoluene						M
1	16.271	16.271	0.0	552	7.29	M
$ 30 3,4-Dinitrotoluene						
1	16.751	16.751	0.0	1199	21.3	
2	16.738	16.738	0.0	2295	22.2	
6 2-Amino-4,6-dinitrotoluene						
1	17.278	17.278	0.0	520	6.22	
12 2,6-Dinitrotoluene						
1	18.894	18.894	0.0	460	7.72	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
23 2,4-Dinitrotoluene						
1	19.458	19.458	0.0	624	6.50	
16 o-Nitrotoluene						
1	22.828	22.828	0.0	358	8.04	
15 p-Nitrotoluene						
1	24.484	24.484	0.0	376	7.04	
8 m-Nitrotoluene						
1	26.261	26.261	0.0	345	6.40	
21 PETN						
2	28.731	28.731	0.0	1226	33.4	

QC Flag Legend

Review Flags
M - Manually Integrated

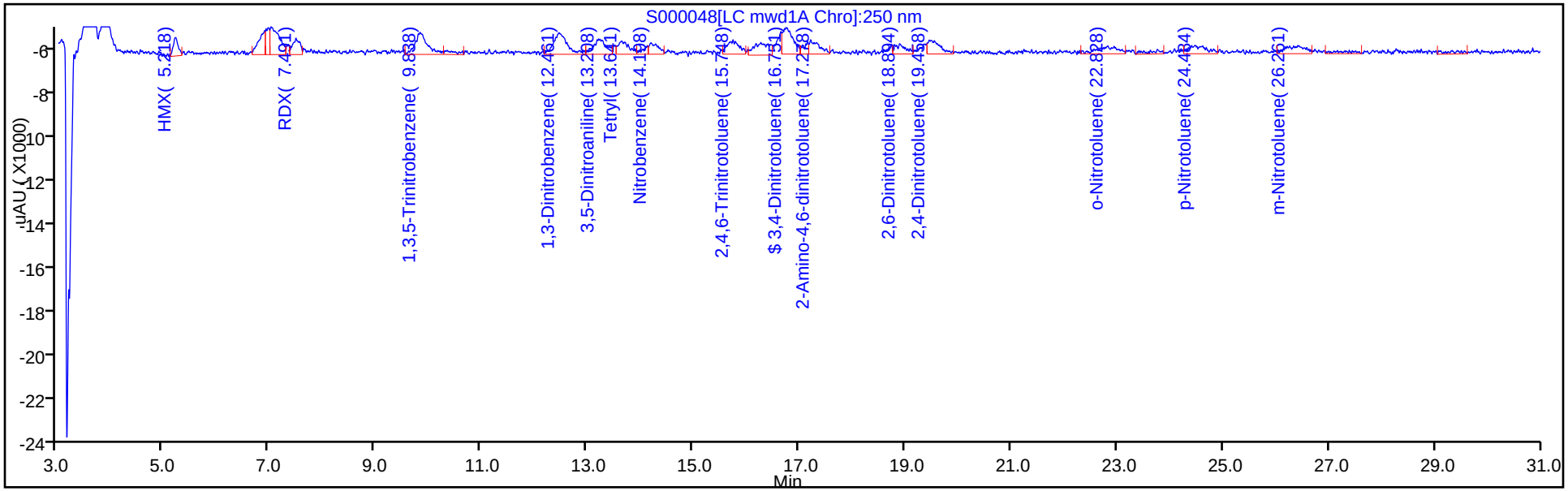
Report Date: 21-Dec-2012 14:23:45 Chrom Revision: 2.1 20-Dec-2012 15:49:16

TestAmerica West Sacramento

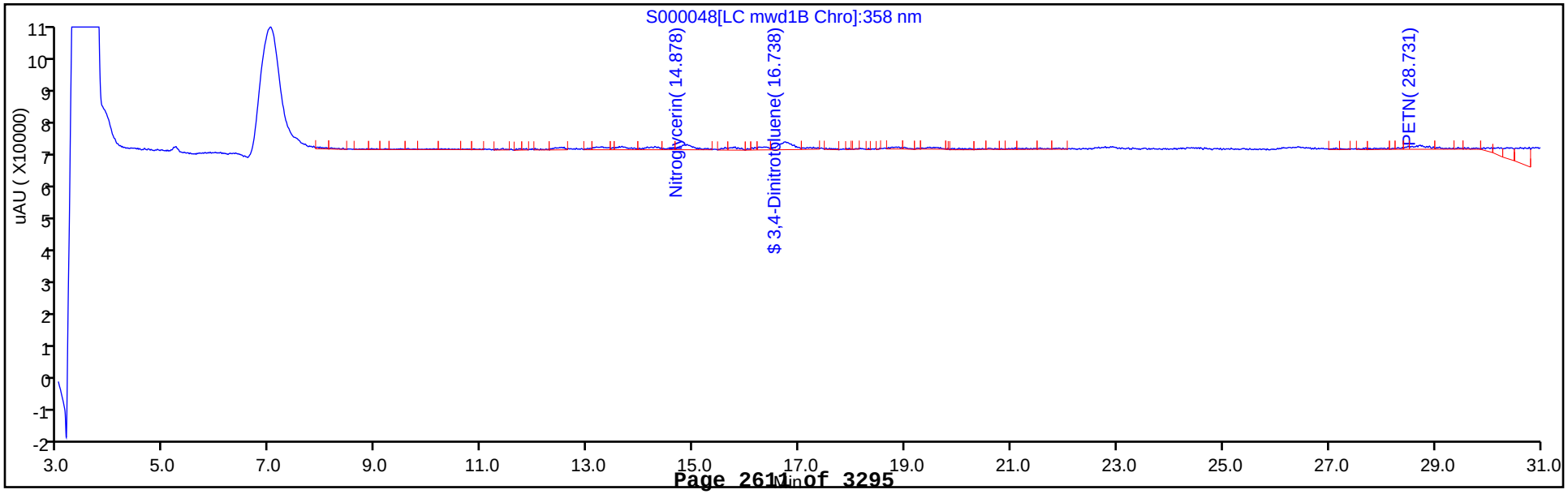
Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000048.D

Injection Date:	20-Dec-2012 23:55:13	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	7620	Lims Sample ID:	47
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



Manual Integration/User Assign Peak Report

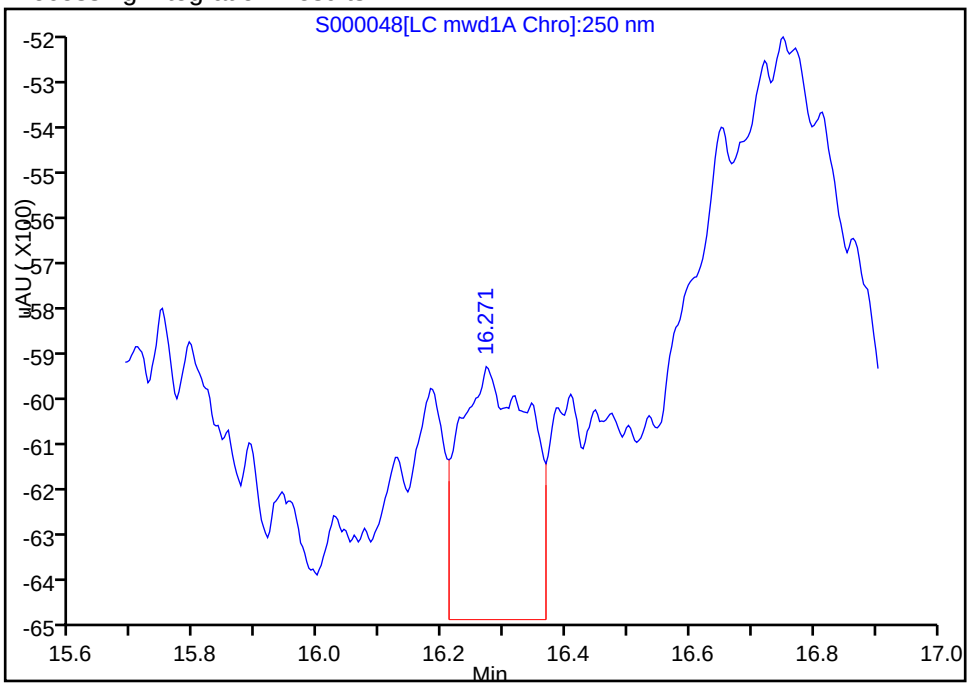
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121219-1888.b\S000048.D		
Injection Date:	20-Dec-2012 23:55:13	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	7620	Lims Sample ID:	47
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

26 4-Amino-2,6-dinitrotoluene, Signal: 1, Type: quant, RT: 16.27, Det: LC mwd1A

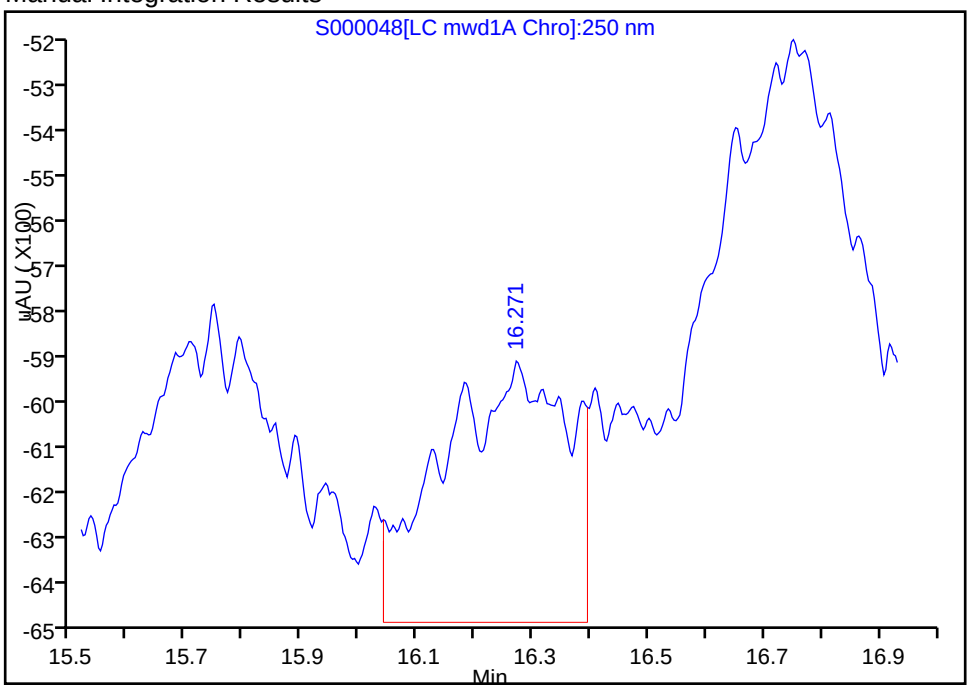
Processing Integration Results

RT: 16.27
Response: 521
Amount: 6.879636



Manual Integration Results

RT: 16.27
Response: 552
Amount: 7.288981



Reviewer: noonanr, 21-Dec-2012 14:23:44
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 320-7620/67 Calibration Date: 12/21/2012 12:41

Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50

GC Column: Synergi C18 ID: 4.60(mm) Calib End Date: 09/01/2012 16:31

Lab File ID: S000067.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.8	129.1		103	100	2.7	20.0
RDX	Ave	88.99	88.16		99.1	100	-0.9	20.0
Ethylene glycol dinitrate	Ave	96.86	103.1		106	100	6.5	20.0
1,3,5-Trinitrobenzene	Ave	162.7	163.8		101	100	0.7	20.0
1,3-Dinitrobenzene	Ave	161.7	164.7		102	100	1.9	20.0
3,5-Dinitroaniline	Ave	103.9	104.8		101	100	0.9	20.0
Tetryl	Ave	86.55	92.91		107	100	7.3	20.0
Nitrobenzene	Ave	73.74	72.18		97.9	100	-2.1	20.0
Nitroglycerin	Ave	64.89	66.61		103	100	2.7	20.0
2,4,6-Trinitrotoluene	Ave	92.79	98.95		107	100	6.6	20.0
4-Amino-2,6-dinitrotoluene	Ave	75.73	75.59		99.8	100	-0.2	20.0
2-Amino-4,6-dinitrotoluene	Ave	83.59	82.95		99.2	100	-0.8	20.0
2,6-Dinitrotoluene	Ave	59.58	58.73		98.6	100	-1.4	20.0
2,4-Dinitrotoluene	Ave	95.97	96.38		100	100	0.4	20.0
2-Nitrotoluene	Ave	44.56	42.34		95.0	100	-5.0	20.0
4-Nitrotoluene	Ave	53.43	50.98		95.4	100	-4.6	20.0
3-Nitrotoluene	Ave	53.94	50.97		94.5	100	-5.5	20.0
PETN	Ave	36.72	38.94		106	100	6.0	20.0
3,4-Dinitrotoluene	Ave	56.32	53.23		94.5	100	-5.5	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 320-7620/67 Calibration Date: 12/21/2012 12:41

Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50

GC Column: Synergi C18 ID: 4.60(mm) Calib End Date: 09/01/2012 16:31

Lab File ID: S000067.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.22	4.97	5.47
RDX	7.51	7.26	7.76
Ethylene glycol dinitrate	8.21	7.96	8.46
1,3,5-Trinitrobenzene	9.86	9.61	10.11
1,3-Dinitrobenzene	12.48	12.23	12.73
3,5-Dinitroaniline	13.22	12.97	13.47
Tetryl	13.65	13.40	13.90
Nitrobenzene	14.22	13.97	14.47
Nitroglycerin	14.89	14.64	15.14
2,4,6-Trinitrotoluene	15.76	15.51	16.01
4-Amino-2,6-dinitrotoluene	16.30	16.05	16.55
2-Amino-4,6-dinitrotoluene	17.27	17.02	17.52
2,6-Dinitrotoluene	18.88	18.63	19.13
2,4-Dinitrotoluene	19.52	19.27	19.77
2-Nitrotoluene	22.89	22.64	23.14
4-Nitrotoluene	24.56	24.31	24.81
3-Nitrotoluene	26.43	26.18	26.68
PETN	28.81	28.56	29.06
3,4-Dinitrotoluene	16.75	16.50	17.00

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000067.D
Lims ID: CCV 05 Client ID:
Inject. Date: 21-Dec-2012 12:41:57 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 320-0001888-067
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 5
Lims Batch ID: 7620 Lims Sample ID: 67
Sublist: chrom-8330_LC10*sub1

Method: \\SACChrom\ChromData\LC10\20121219-1888.b\8330_LC10.m
Last Update: 26-Dec-2012 08:27:30 Calib Date: 01-Sep-2012 16:31:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK028

First Level Reviewer: noonanr Date: 26-Dec-2012 08:27:30

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.220	5.220	0.0	12914	102.7	
19 RDX						
1	7.507	7.507	0.0	8816	99.1	
3 Ethylene glycol dinitrate						
2	8.207	8.207	0.0	10314	106.5	
10 2,4,6-Trinitrophenol						
2	8.620	8.620	0.0	24659	200.2	
1	8.623	8.623	0.0	17166	207.6	
27 1,3,5-Trinitrobenzene						
1	9.857	9.857	0.0	16383	100.7	
24 1,3-Dinitrobenzene						
1	12.483	12.483	0.0	16466	101.9	
9 3,5-Dinitroaniline						
1	13.223	13.223	0.0	10481	100.9	
20 Tetryl						
1	13.650	13.650	0.0	9291	107.3	
5 Nitrobenzene						
1	14.223	14.223	0.0	7218	97.9	
7 Nitroglycerin						
2	14.887	14.887	0.0	6661	102.7	
25 2,4,6-Trinitrotoluene						
1	15.757	15.757	0.0	9895	106.6	
26 4-Amino-2,6-dinitrotoluene						
1	16.297	16.297	0.0	7559	99.8	
$ 30 3,4-Dinitrotoluene						
1	16.747	16.747	0.0	5323	94.5	
2	16.780	16.780	0.0	10174	98.5	

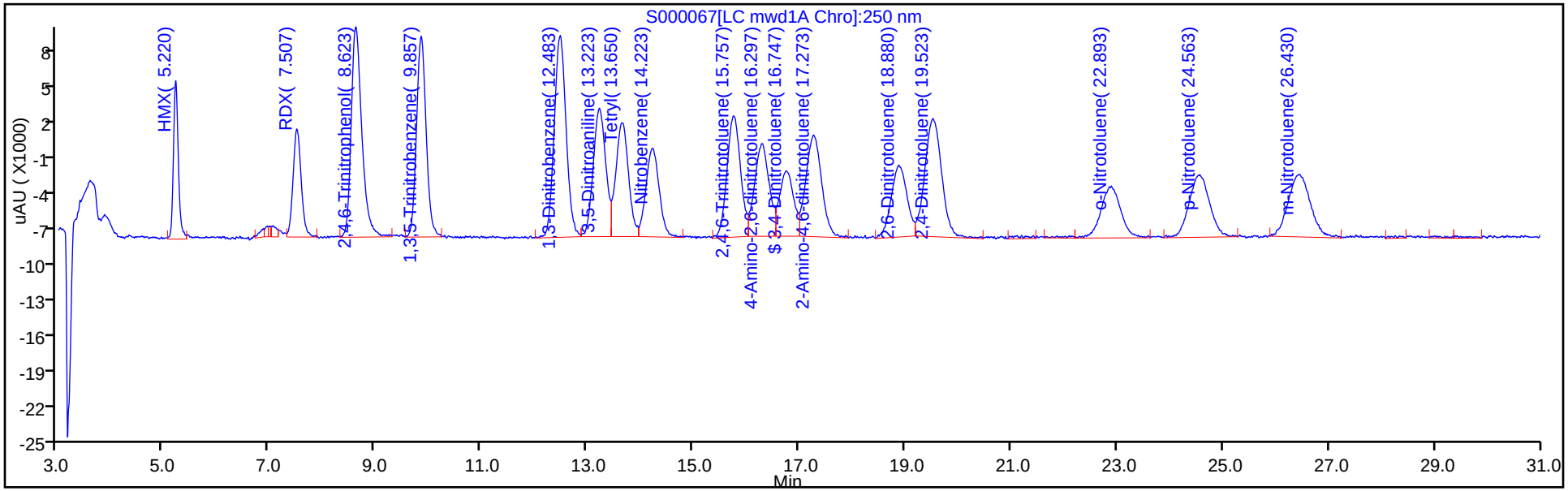
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.273	17.273	0.0	8295	99.2	
12 2,6-Dinitrotoluene						
1	18.880	18.880	0.0	5873	98.6	
23 2,4-Dinitrotoluene						
1	19.523	19.523	0.0	9638	100.4	
16 o-Nitrotoluene						
1	22.893	22.893	0.0	4234	95.0	
15 p-Nitrotoluene						
1	24.563	24.563	0.0	5098	95.4	
8 m-Nitrotoluene						
1	26.430	26.430	0.0	5097	94.5	
21 PETN						
2	28.807	28.807	0.0	3894	106.0	

Report Date: 26-Dec-2012 08:27:31 Chrom Revision: 2.1 24-Dec-2012 15:14:58

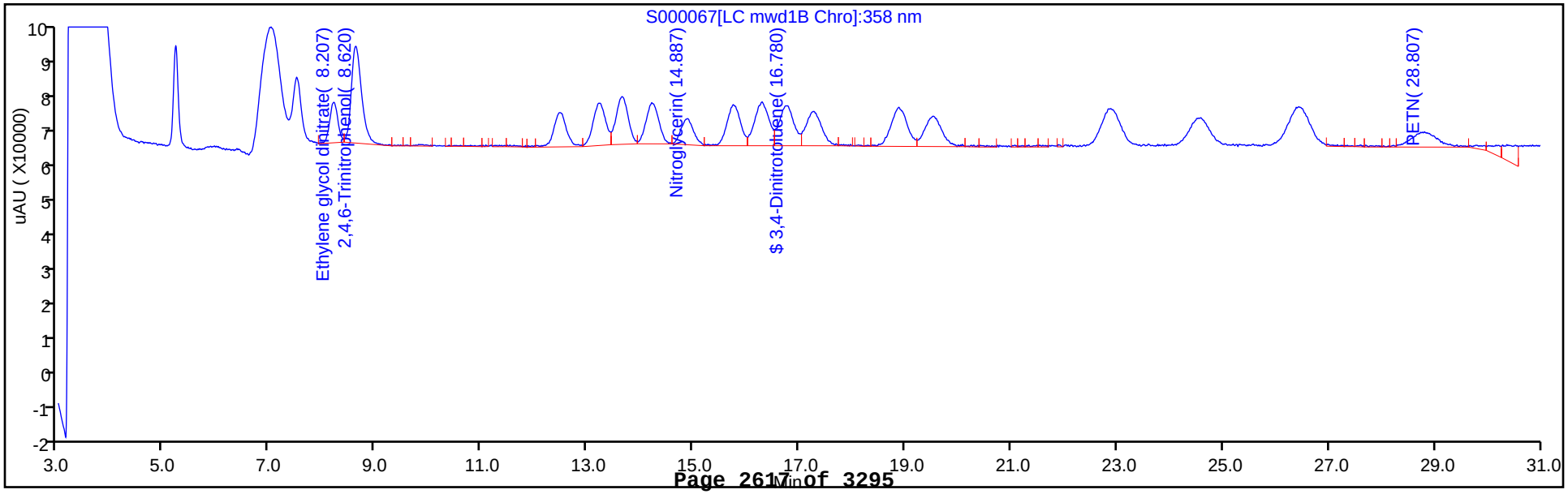
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121219-1888.b\S000067.D		
Injection Date:	21-Dec-2012 12:41:57	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	7620	Lims Sample ID:	67
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 320-7620/73 Calibration Date: 12/21/2012 16:42

Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50

GC Column: Synergi C18 ID: 4.60(mm) Calib End Date: 09/01/2012 16:31

Lab File ID: S000073.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.8	127.2		101	100	1.1	20.0
RDX	Ave	88.99	87.69		98.5	100	-1.5	20.0
Ethylene glycol dinitrate	Ave	96.86	103.7		107	100	7.0	20.0
1,3,5-Trinitrobenzene	Ave	162.7	162.5		99.9	100	-0.1	20.0
1,3-Dinitrobenzene	Ave	161.7	162.9		101	100	0.8	20.0
3,5-Dinitroaniline	Ave	103.9	104.1		100	100	0.2	20.0
Tetryl	Ave	86.55	92.94		107	100	7.4	20.0
Nitrobenzene	Ave	73.74	74.35		101	100	0.8	20.0
Nitroglycerin	Ave	64.89	66.92		103	100	3.1	20.0
2,4,6-Trinitrotoluene	Ave	92.79	96.91		104	100	4.4	20.0
4-Amino-2,6-dinitrotoluene	Ave	75.73	73.77		97.4	100	-2.6	20.0
2-Amino-4,6-dinitrotoluene	Ave	83.59	82.31		98.5	100	-1.5	20.0
2,6-Dinitrotoluene	Ave	59.58	57.91		97.2	100	-2.8	20.0
2,4-Dinitrotoluene	Ave	95.97	95.64		99.7	100	-0.3	20.0
2-Nitrotoluene	Ave	44.56	42.48		95.3	100	-4.7	20.0
4-Nitrotoluene	Ave	53.43	51.48		96.4	100	-3.6	20.0
3-Nitrotoluene	Ave	53.94	52.05		96.5	100	-3.5	20.0
PETN	Ave	36.72	39.50		108	100	7.6	20.0
3,4-Dinitrotoluene	Ave	56.32	54.04		96.0	100	-4.0	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCV 320-7620/73 Calibration Date: 12/21/2012 16:42

Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50

GC Column: Synergi C18 ID: 4.60(mm) Calib End Date: 09/01/2012 16:31

Lab File ID: S000073.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.23	4.98	5.48
RDX	7.52	7.27	7.77
Ethylene glycol dinitrate	8.21	7.96	8.46
1,3,5-Trinitrobenzene	9.87	9.62	10.12
1,3-Dinitrobenzene	12.51	12.26	12.76
3,5-Dinitroaniline	13.27	13.02	13.52
Tetryl	13.69	13.44	13.94
Nitrobenzene	14.26	14.01	14.51
Nitroglycerin	14.91	14.66	15.16
2,4,6-Trinitrotoluene	15.79	15.54	16.04
4-Amino-2,6-dinitrotoluene	16.34	16.09	16.59
2-Amino-4,6-dinitrotoluene	17.31	17.06	17.56
2,6-Dinitrotoluene	18.93	18.68	19.18
2,4-Dinitrotoluene	19.57	19.32	19.82
2-Nitrotoluene	22.90	22.65	23.15
4-Nitrotoluene	24.58	24.33	24.83
3-Nitrotoluene	26.46	26.21	26.71
PETN	28.84	28.59	29.09
3,4-Dinitrotoluene	16.80	16.55	17.05

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000073.D
Lims ID: CCV 05 Client ID:
Inject. Date: 21-Dec-2012 16:42:51 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 320-0001888-073
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 6
Lims Batch ID: 7620 Lims Sample ID: 73
Sublist: chrom-8330_LC10*sub1

Method: \\SACChrom\ChromData\LC10\20121219-1888.b\8330_LC10.m
Last Update: 26-Dec-2012 08:30:06 Calib Date: 01-Sep-2012 16:31:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK028

First Level Reviewer: noonanr Date: 26-Dec-2012 08:30:06

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.226	5.226	0.0	12724	101.1	
19 RDX						
1	7.523	7.523	0.0	8769	98.5	
3 Ethylene glycol dinitrate						
2	8.213	8.213	0.0	10366	107.0	
10 2,4,6-Trinitrophenol						
2	8.643	8.643	0.0	24577	199.6	
1	8.639	8.639	0.0	17036	206.1	
27 1,3,5-Trinitrobenzene						
1	9.869	9.869	0.0	16251	99.9	
24 1,3-Dinitrobenzene						
1	12.506	12.506	0.0	16290	100.8	
9 3,5-Dinitroaniline						
1	13.270	13.270	0.0	10410	100.2	
20 Tetryl						
1	13.690	13.690	0.0	9294	107.4	
5 Nitrobenzene						
1	14.256	14.256	0.0	7435	100.8	
7 Nitroglycerin						
2	14.913	14.913	0.0	6692	103.1	
25 2,4,6-Trinitrotoluene						
1	15.790	15.790	0.0	9691	104.4	
26 4-Amino-2,6-dinitrotoluene						
1	16.343	16.343	0.0	7377	97.4	
$ 30 3,4-Dinitrotoluene						
1	16.796	16.796	0.0	5404	96.0	
2	16.806	16.806	0.0	10108	97.8	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.306	17.306	0.0	8231	98.5	
12 2,6-Dinitrotoluene						
1	18.930	18.930	0.0	5791	97.2	
23 2,4-Dinitrotoluene						
1	19.570	19.570	0.0	9564	99.7	
16 o-Nitrotoluene						
1	22.900	22.900	0.0	4248	95.3	
15 p-Nitrotoluene						
1	24.576	24.576	0.0	5148	96.4	
8 m-Nitrotoluene						M
1	26.463	26.463	0.0	5205	96.5	M
21 PETN						
2	28.843	28.843	0.0	3950	107.6	

QC Flag Legend

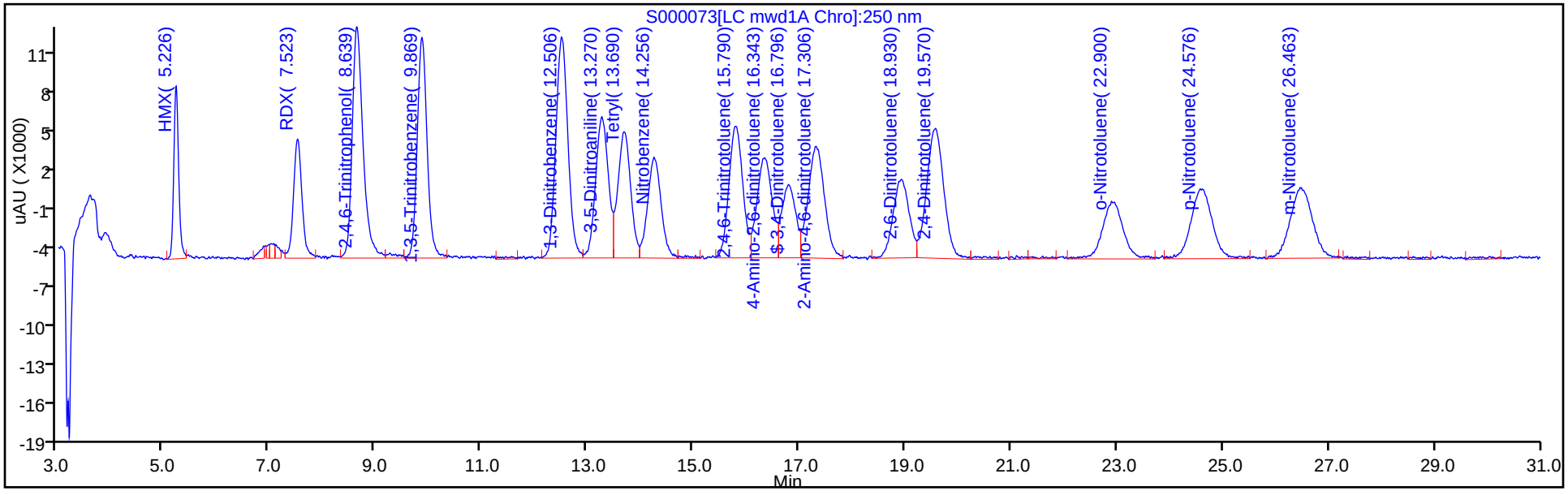
Review Flags
M - Manually Integrated

Report Date: 26-Dec-2012 08:30:07 Chrom Revision: 2.1 24-Dec-2012 15:14:58

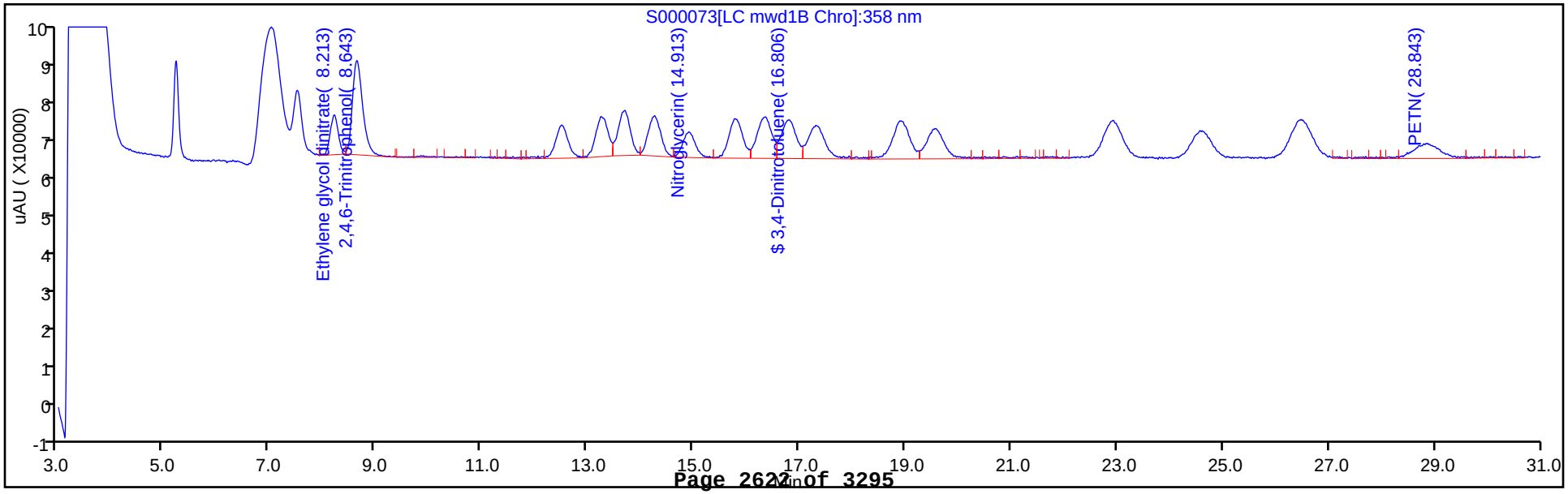
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121219-1888.b\S000073.D		
Injection Date:	21-Dec-2012 16:42:51	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	7620	Lims Sample ID:	73
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



Manual Integration/User Assign Peak Report

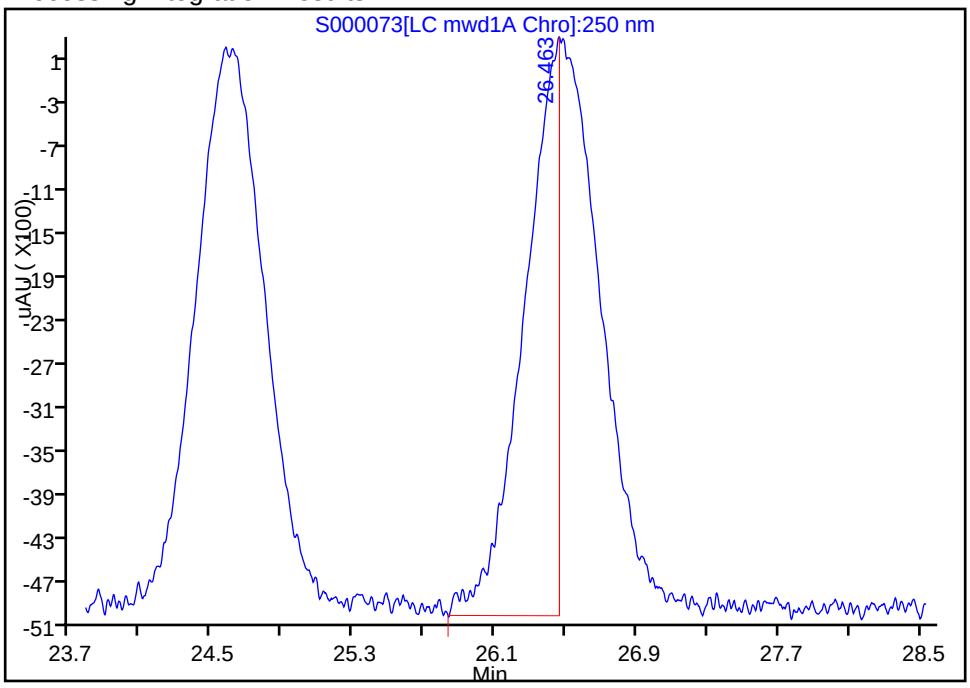
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121219-1888.b\S000073.D		
Injection Date:	21-Dec-2012 16:42:51	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	7620	Lims Sample ID:	73
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

8 m-Nitrotoluene, Signal: 1, Type: quant, RT: 26.46, Det: LC mwd1A

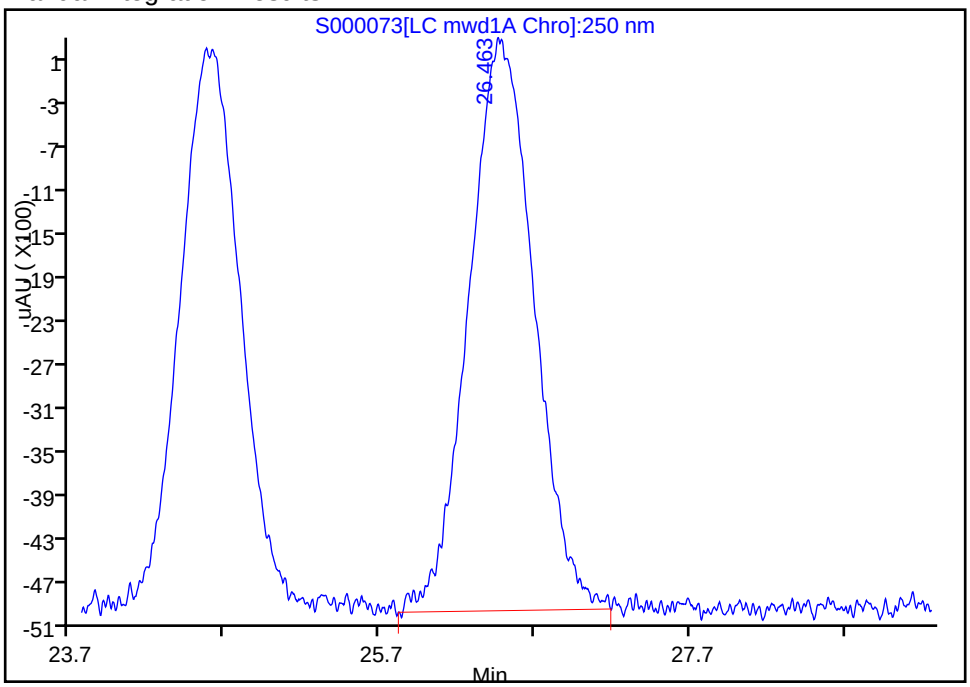
Processing Integration Results

RT: 26.46
Response: 5258
Amount: 97.486813



Manual Integration Results

RT: 26.46
Response: 5205
Amount: 96.504158



Reviewer: noonanr, 26-Dec-2012 08:30:06
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCVL 320-7620/74 Calibration Date: 12/21/2012 17:23

Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50

GC Column: Synergi C18 ID: 4.60(mm) Calib End Date: 09/01/2012 16:31

Lab File ID: S000074.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.8	151.0		6.00	5.00	20.0	30.0
RDX	Ave	88.99	118.8		6.68	5.00	33.5*	30.0
1,3,5-Trinitrobenzene	Ave	162.7	190.8		5.86	5.00	17.3	30.0
1,3-Dinitrobenzene	Ave	161.7	203.2		6.28	5.00	25.7	30.0
3,5-Dinitroaniline	Ave	103.9	130.6		6.28	5.00	25.7	30.0
Tetryl	Ave	86.55	117.8		6.81	5.00	36.1*	30.0
Nitrobenzene	Ave	73.74	88.80		6.02	5.00	20.4	30.0
Nitroglycerin	Ave	64.89	83.00		25.6	20.0	27.9	30.0
2,4,6-Trinitrotoluene	Ave	92.79	118.0		6.36	5.00	27.2	30.0
4-Amino-2,6-dinitrotoluene	Ave	75.73	100.6		6.64	5.00	32.8*	30.0
2-Amino-4,6-dinitrotoluene	Ave	83.59	110.6		6.62	5.00	32.3*	30.0
2,6-Dinitrotoluene	Ave	59.58	85.20		7.15	5.00	43.0*	30.0
2,4-Dinitrotoluene	Ave	95.97	131.2		6.84	5.00	36.7*	30.0
2-Nitrotoluene	Ave	44.56	70.80		7.95	5.00	58.9*	30.0
4-Nitrotoluene	Ave	53.43	76.40		7.15	5.00	43.0*	30.0
3-Nitrotoluene	Ave	53.94	72.00		6.67	5.00	33.5*	30.0
PETN	Ave	36.72	51.45		28.0	20.0	40.1*	30.0
3,4-Dinitrotoluene	Ave	56.32	57.95		20.6	20.0	2.9	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Lab Sample ID: CCVL 320-7620/74 Calibration Date: 12/21/2012 17:23

Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50

GC Column: Synergi C18 ID: 4.60(mm) Calib End Date: 09/01/2012 16:31

Lab File ID: S000074.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.22	4.97	5.47
RDX	7.49	7.24	7.74
1,3,5-Trinitrobenzene	9.84	9.59	10.09
1,3-Dinitrobenzene	12.51	12.26	12.76
3,5-Dinitroaniline	13.25	13.00	13.50
Tetryl	13.67	13.42	13.92
Nitrobenzene	14.23	13.98	14.48
Nitroglycerin	14.88	14.63	15.13
2,4,6-Trinitrotoluene	15.76	15.51	16.01
4-Amino-2,6-dinitrotoluene	16.22	15.97	16.47
2-Amino-4,6-dinitrotoluene	17.28	17.03	17.53
2,6-Dinitrotoluene	18.93	18.68	19.18
2,4-Dinitrotoluene	19.54	19.29	19.79
2-Nitrotoluene	22.89	22.64	23.14
4-Nitrotoluene	24.63	24.38	24.88
3-Nitrotoluene	26.34	26.09	26.59
PETN	28.86	28.61	29.11
3,4-Dinitrotoluene	16.75	16.50	17.00

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D
Lims ID: CCVL Client ID:
Inject. Date: 21-Dec-2012 17:23:00 Dil. Factor: 1.0000
Sample Type: CCVL
Sample ID: 320-0001888-074
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 10
Lims Batch ID: 7620 Lims Sample ID: 74
Sublist: chrom-8330_LC10*sub2

Method: \\SACChrom\ChromData\LC10\20121219-1888.b\8330_LC10.m
Last Update: 26-Dec-2012 08:51:03 Calib Date: 01-Sep-2012 16:31:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK028

First Level Reviewer: noonanr Date: 26-Dec-2012 08:51:03

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.218	5.218	0.0	755	6.00	
19 RDX						M
1	7.491	7.491	0.0	594	6.68	M
27 1,3,5-Trinitrobenzene						M
1	9.838	9.838	0.0	954	5.86	M
24 1,3-Dinitrobenzene						M
1	12.508	12.508	0.0	1016	6.28	M
9 3,5-Dinitroaniline						M
1	13.254	13.254	0.0	653	6.28	M
20 Tetryl						M
1	13.671	13.671	0.0	589	6.81	M
5 Nitrobenzene						M
1	14.234	14.234	0.0	444	6.02	M
7 Nitroglycerin						
2	14.884	14.884	0.0	1660	25.6	
25 2,4,6-Trinitrotoluene						M
1	15.761	15.761	0.0	590	6.36	M
26 4-Amino-2,6-dinitrotoluene						M
1	16.221	16.221	0.0	503	6.64	M
$ 30 3,4-Dinitrotoluene						M
1	16.754	16.754	0.0	1159	20.6	M
2	16.754	16.754	0.0	2211	21.4	
6 2-Amino-4,6-dinitrotoluene						M
1	17.284	17.284	0.0	553	6.62	M
12 2,6-Dinitrotoluene						M
1	18.934	18.934	0.0	426	7.15	M

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
23 2,4-Dinitrotoluene						M
1	19.544	19.544	0.0	656	6.84	M
16 o-Nitrotoluene						M
1	22.891	22.891	0.0	354	7.95	M
15 p-Nitrotoluene						M
1	24.631	24.631	0.0	382	7.15	M
8 m-Nitrotoluene						M
1	26.344	26.344	0.0	360	6.67	M
21 PETN						M
2	28.861	28.861	0.0	1029	28.0	M

QC Flag Legend

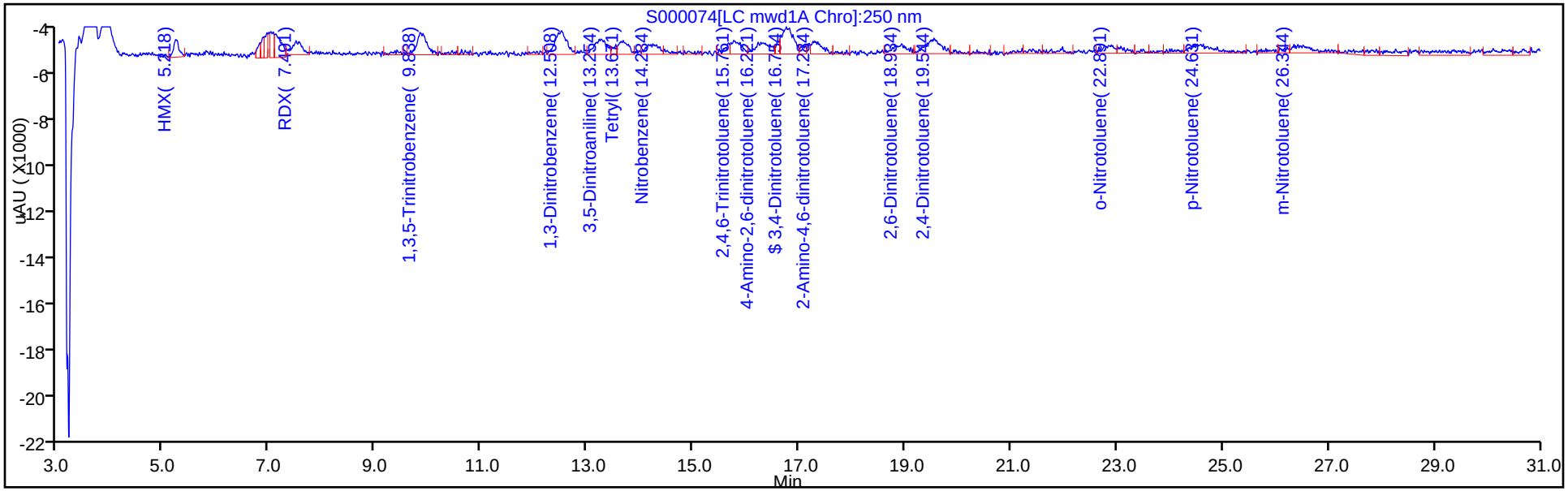
Review Flags
M - Manually Integrated

Report Date: 26-Dec-2012 08:51:04 Chrom Revision: 2.1 24-Dec-2012 15:14:58

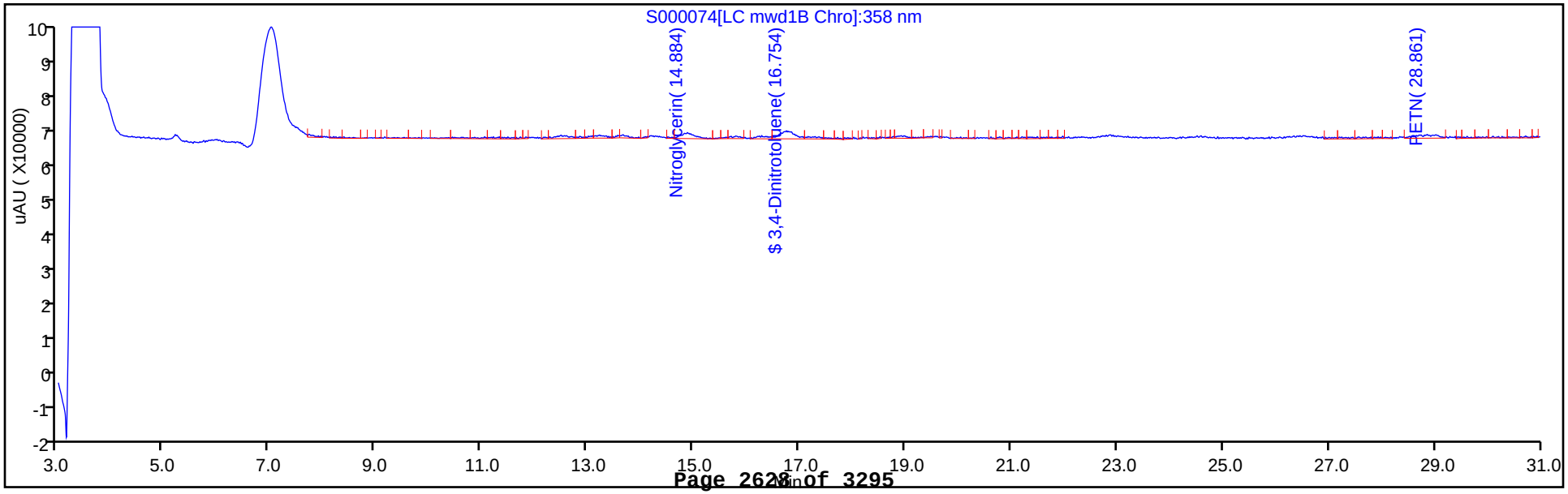
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D		
Injection Date:	21-Dec-2012 17:23:00	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	7620	Lims Sample ID:	74
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



Manual Integration/User Assign Peak Report

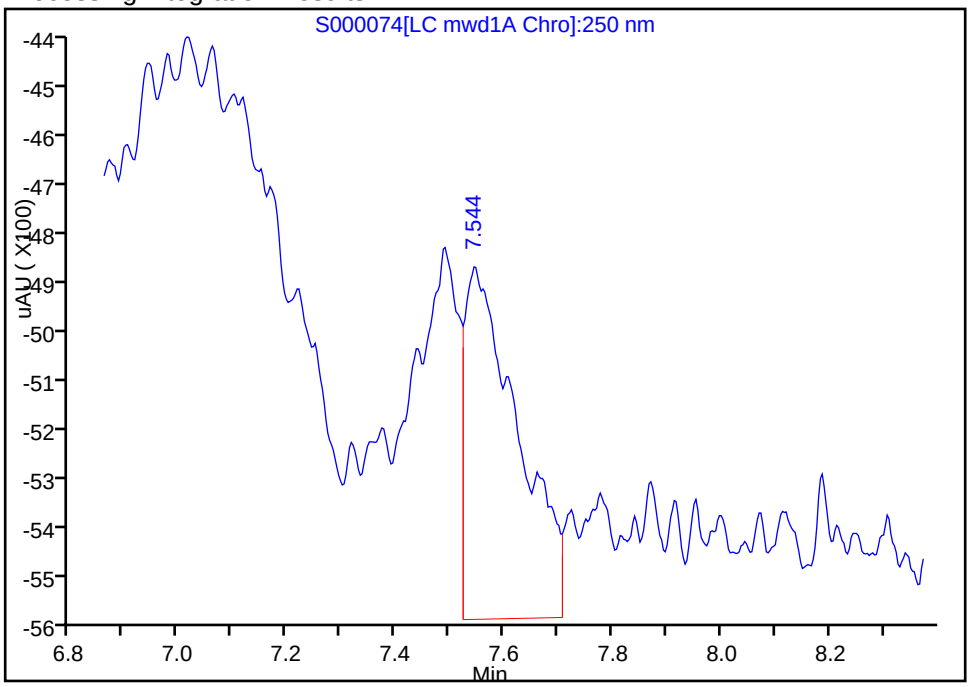
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D		
Injection Date:	21-Dec-2012 17:23:00	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	7620	Lims Sample ID:	74
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

19 RDX, Signal: 1, Type: quant, RT: 7.49, Det: LC mwd1A

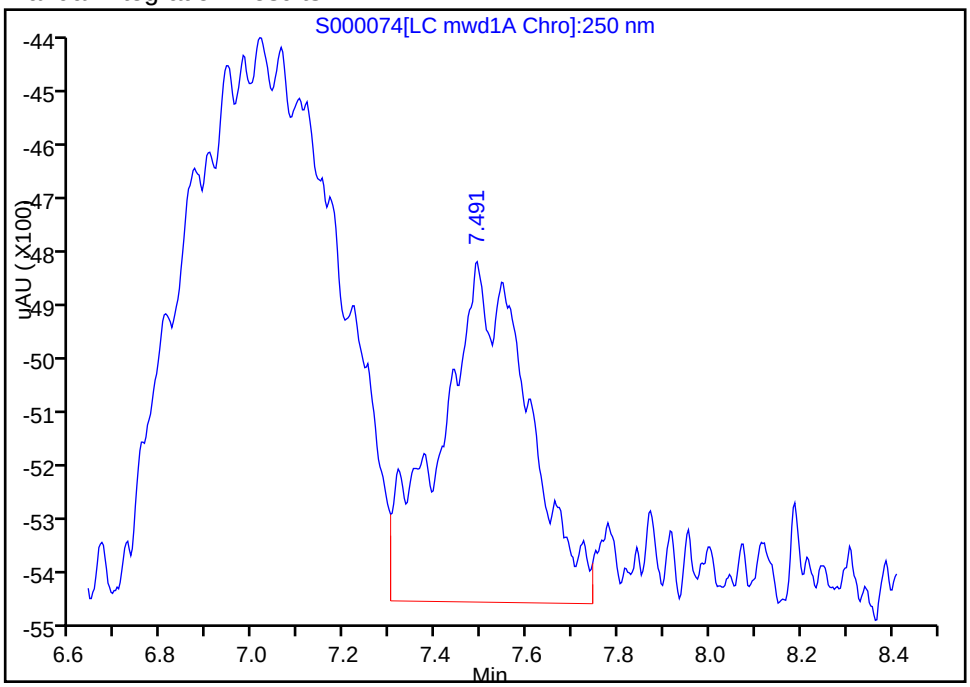
Processing Integration Results

RT: 7.54
Response: 654
Amount: 7.349429



Manual Integration Results

RT: 7.49
Response: 594
Amount: 6.675170



Reviewer: noonanr, 26-Dec-2012 08:51:03
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

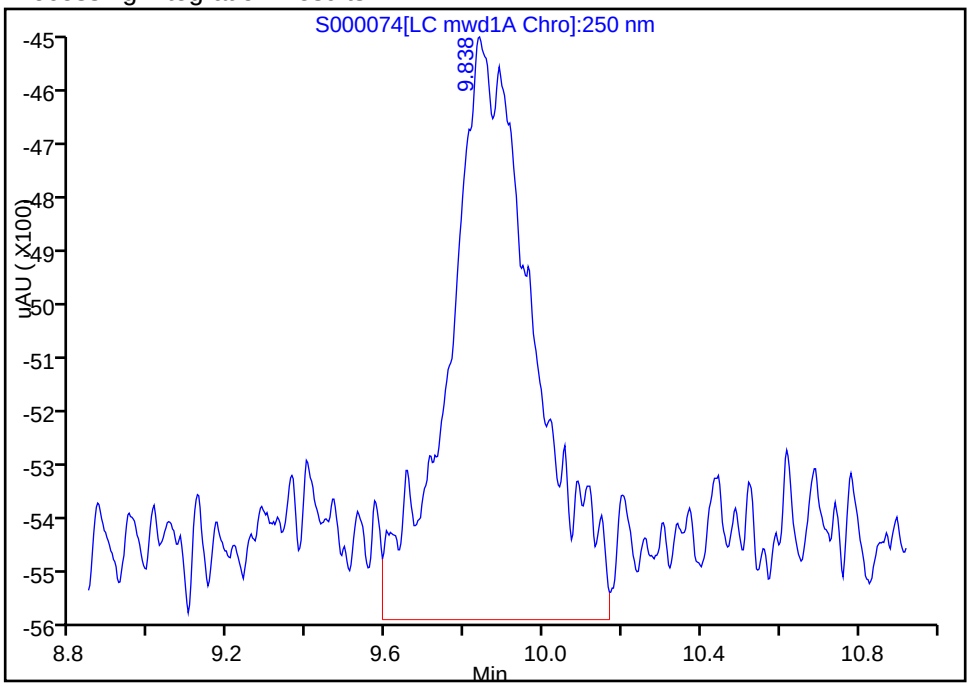
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D		
Injection Date:	21-Dec-2012 17:23:00	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	7620	Lims Sample ID:	74
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

27 1,3,5-Trinitrobenzene, Signal: 1, Type: quant, RT: 9.84, Det: LC mwd1A

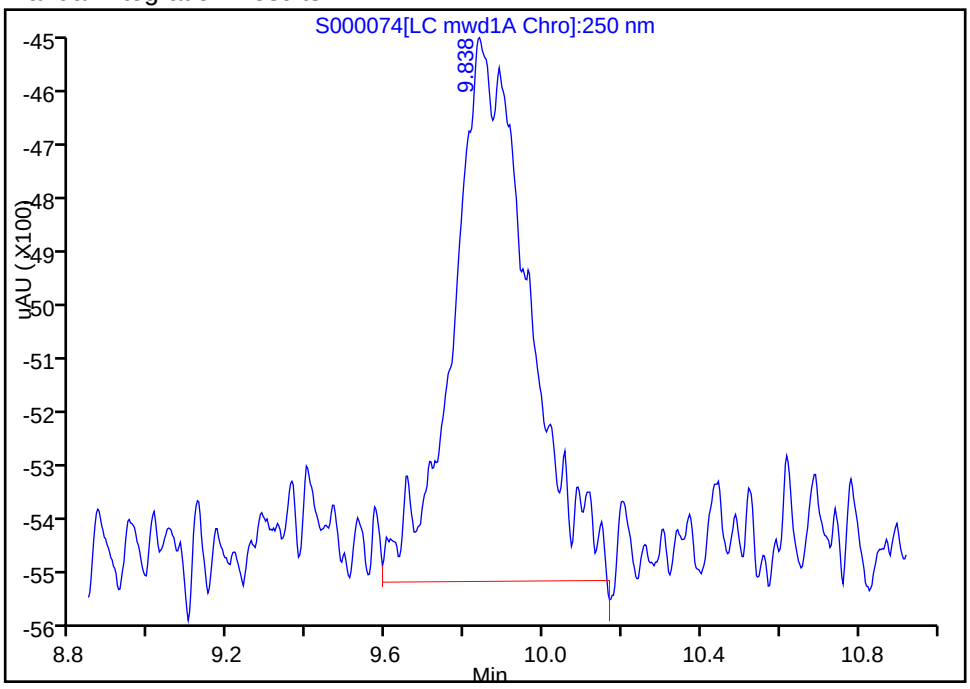
Processing Integration Results

RT: 9.84
Response: 1035
Amount: 6.362477



Manual Integration Results

RT: 9.84
Response: 954
Amount: 5.864544



Reviewer: noonanr, 26-Dec-2012 08:51:03
Audit Action: Assigned New Baseline
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

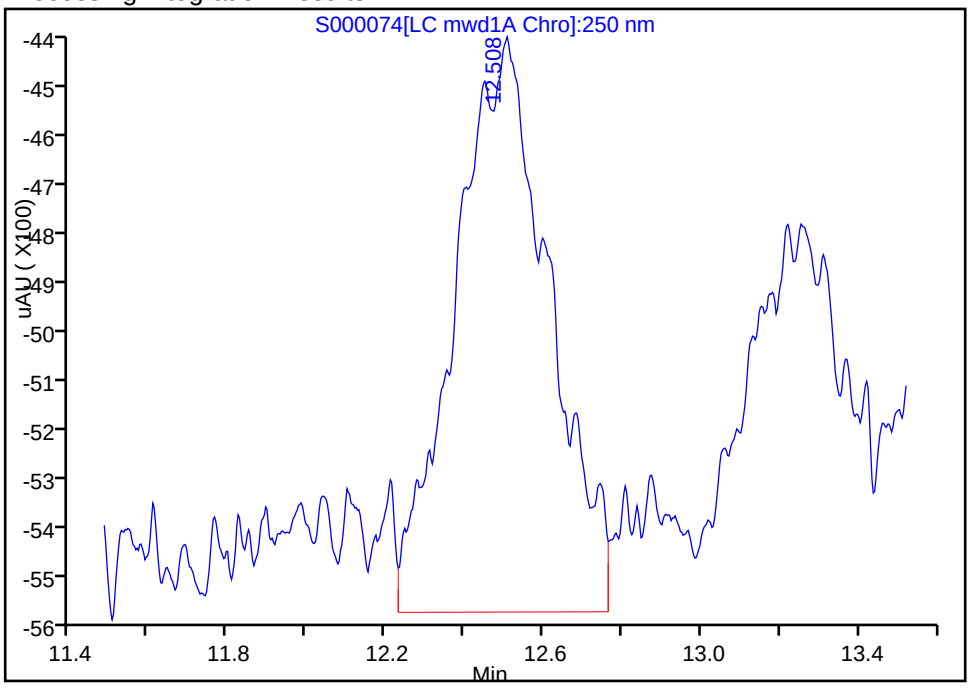
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D		
Injection Date:	21-Dec-2012 17:23:00	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	7620	Lims Sample ID:	74
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

24 1,3-Dinitrobenzene, Signal: 1, Type: quant, RT: 12.51, Det: LC mwd1A

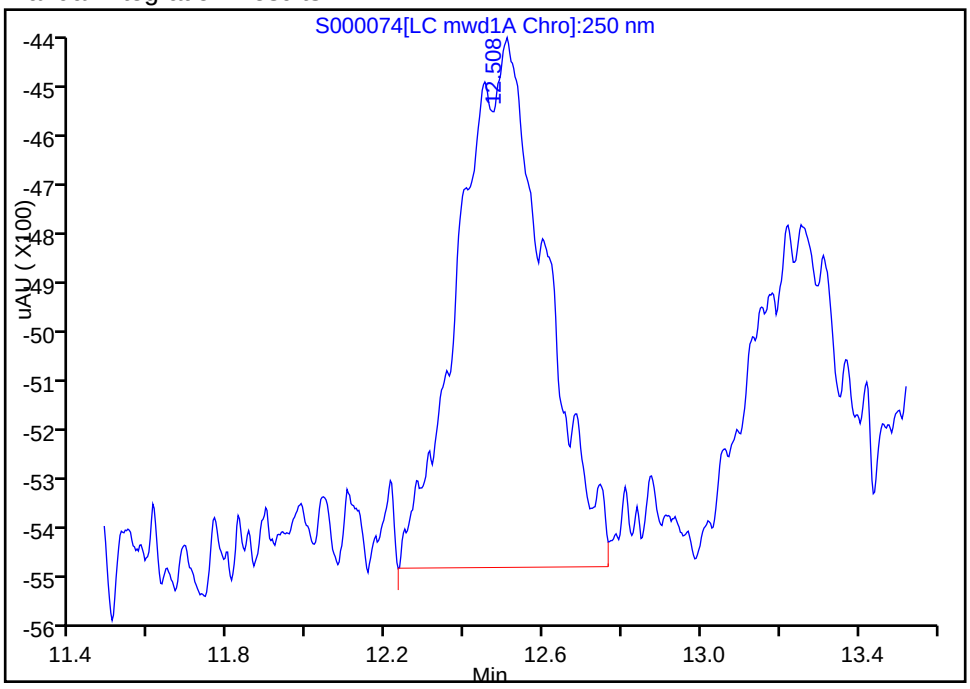
Processing Integration Results

RT: 12.51
Response: 1103
Amount: 6.822592



Manual Integration Results

RT: 12.51
Response: 1016
Amount: 6.284455



Reviewer: noonanr, 26-Dec-2012 08:51:03
Audit Action: Assigned New Baseline
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

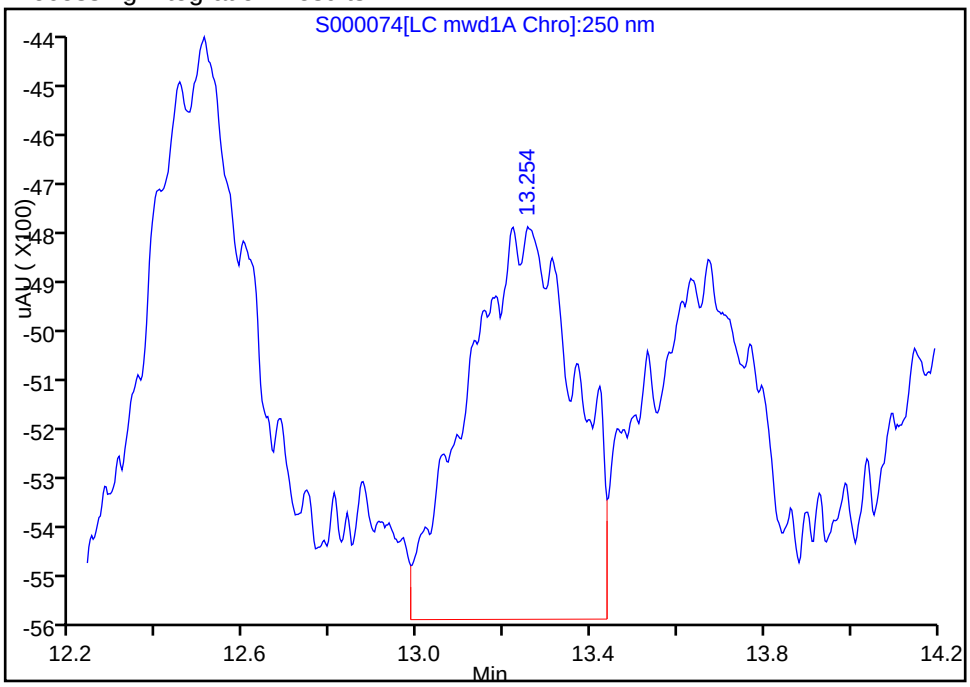
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D		
Injection Date:	21-Dec-2012 17:23:00	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	7620	Lims Sample ID:	74
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

9 3,5-Dinitroaniline, Signal: 1, Type: quant, RT: 13.25, Det: LC mwd1A

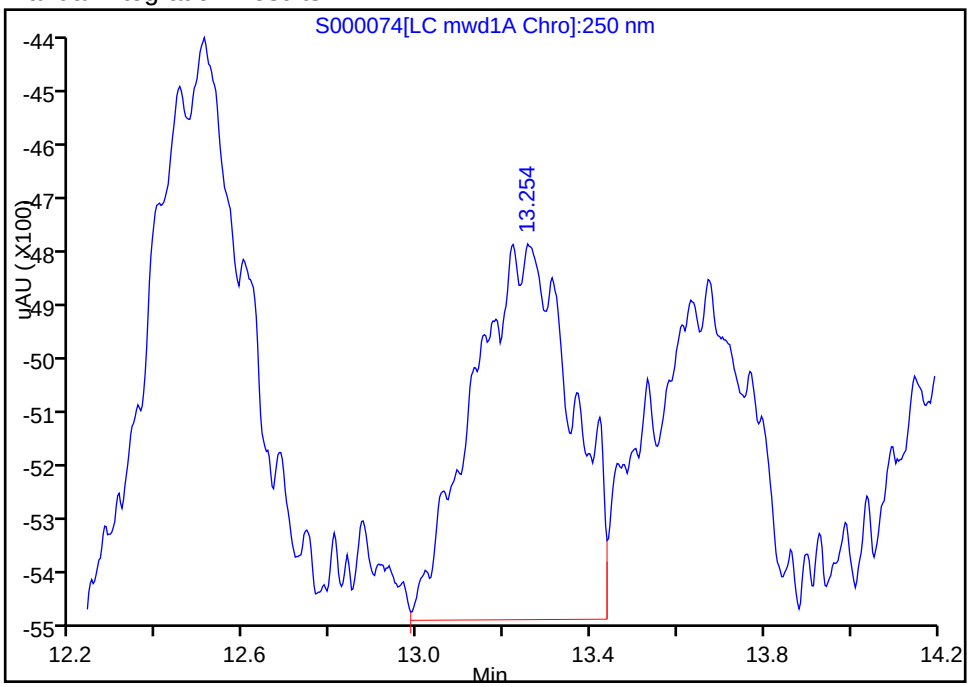
Processing Integration Results

RT: 13.25
Response: 742
Amount: 7.140718



Manual Integration Results

RT: 13.25
Response: 653
Amount: 6.284216



Reviewer: noonanr, 26-Dec-2012 08:51:03
Audit Action: Assigned New Baseline
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

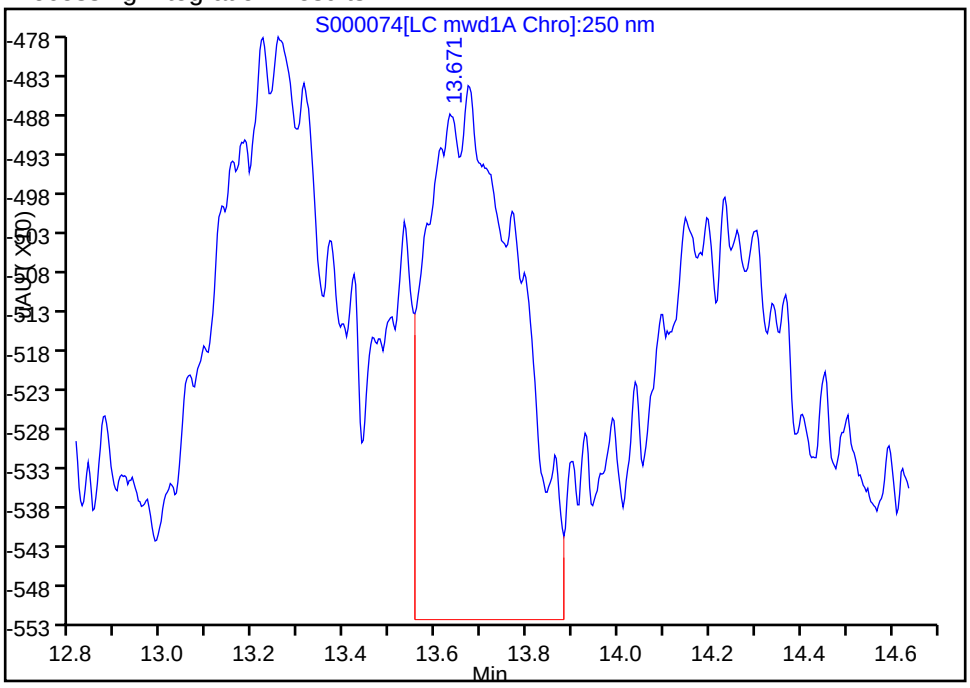
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D		
Injection Date:	21-Dec-2012 17:23:00	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	7620	Lims Sample ID:	74
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

20 Tetryl, Signal: 1, Type: quant, RT: 13.67, Det: LC mwd1A

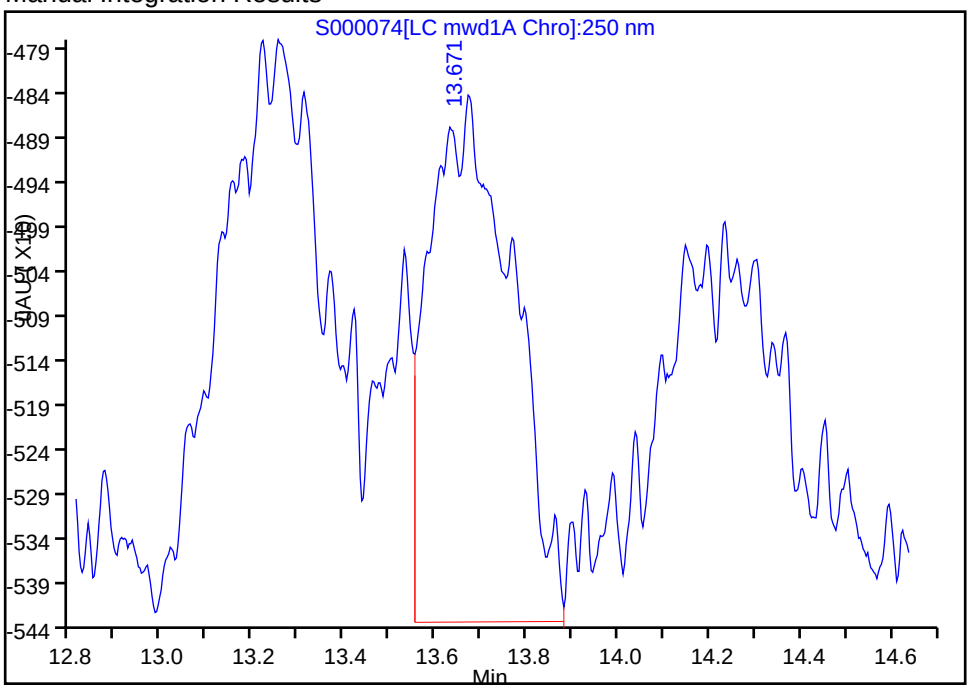
Processing Integration Results

RT: 13.67
Response: 679
Amount: 7.845097



Manual Integration Results

RT: 13.67
Response: 589
Amount: 6.805246



Reviewer: noonanr, 26-Dec-2012 08:51:03
Audit Action: Assigned New Baseline
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

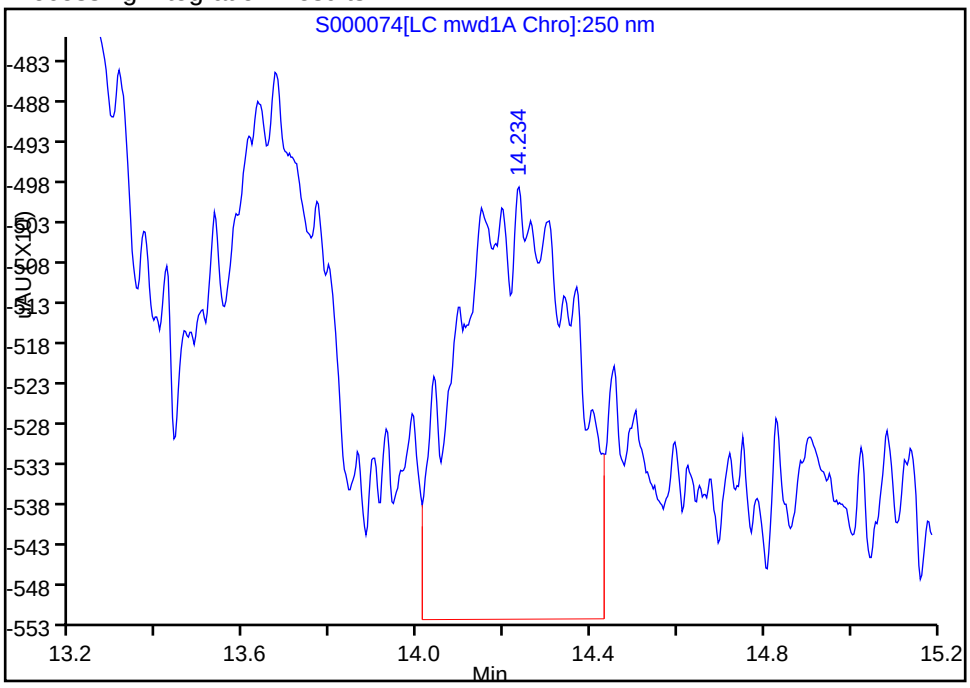
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D		
Injection Date:	21-Dec-2012 17:23:00	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	7620	Lims Sample ID:	74
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

5 Nitrobenzene, Signal: 1, Type: quant, RT: 14.23, Det: LC mwd1A

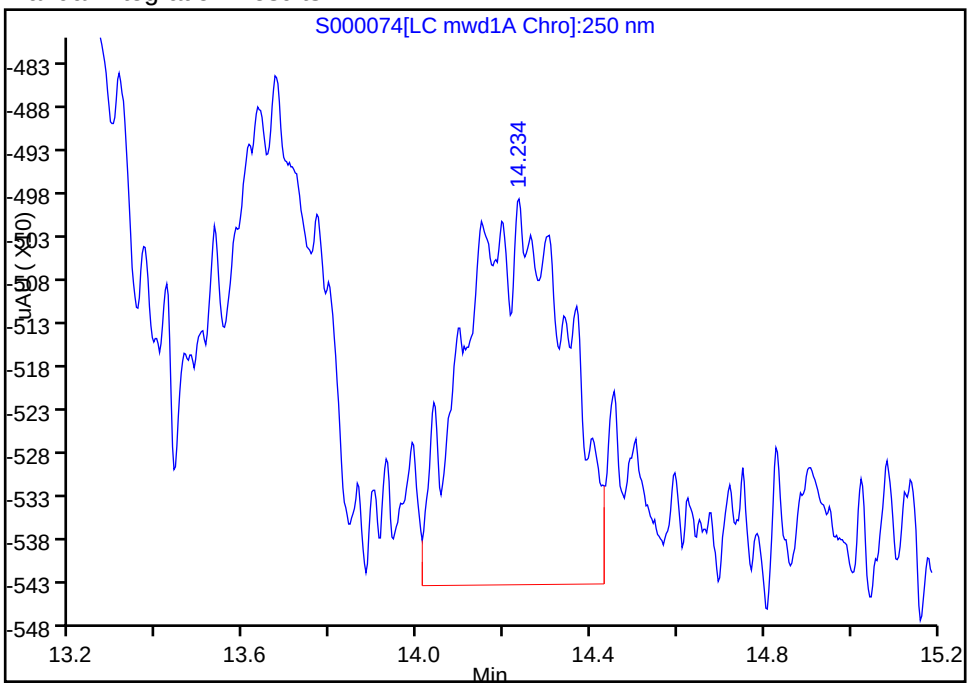
Processing Integration Results

RT: 14.23
Response: 535
Amount: 7.255258



Manual Integration Results

RT: 14.23
Response: 444
Amount: 6.021186



Reviewer: noonanr, 26-Dec-2012 08:51:03
Audit Action: Assigned New Baseline
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

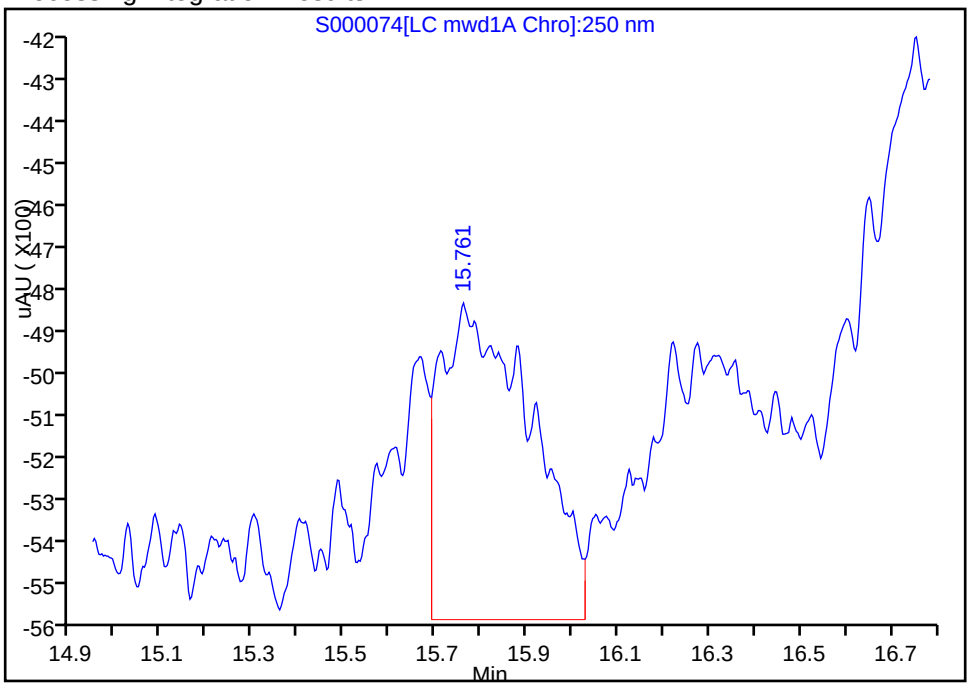
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D		
Injection Date:	21-Dec-2012 17:23:00	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	7620	Lims Sample ID:	74
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

25 2,4,6-Trinitrotoluene, Signal: 1, Type: quant, RT: 15.76, Det: LC mwd1A

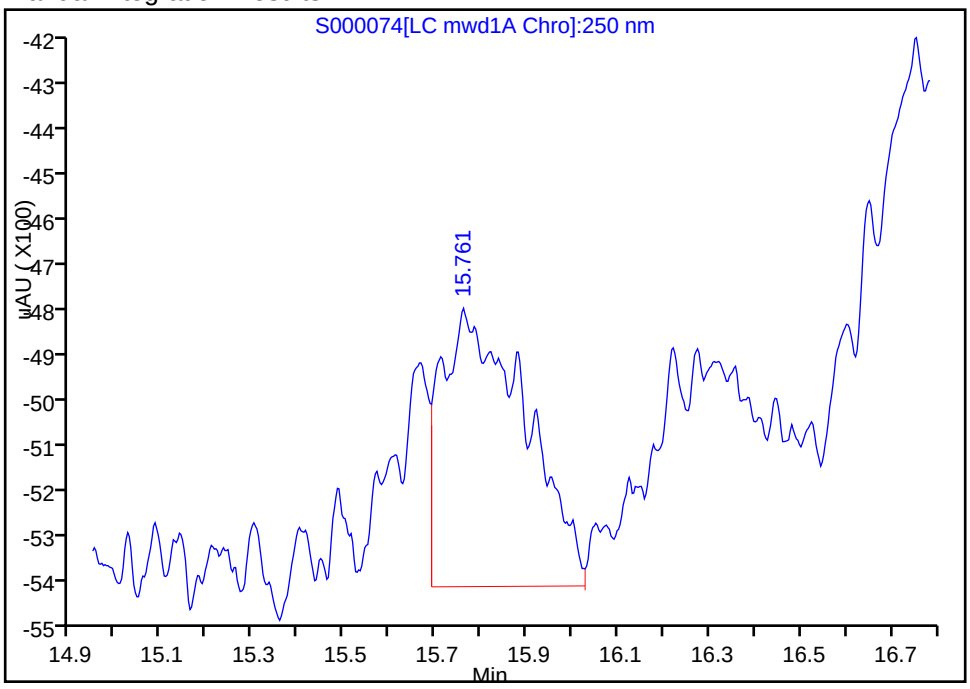
Processing Integration Results

RT: 15.76
Response: 683
Amount: 7.360796



Manual Integration Results

RT: 15.76
Response: 590
Amount: 6.358521



Reviewer: noonanr, 26-Dec-2012 08:51:03
Audit Action: Assigned New Baseline
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

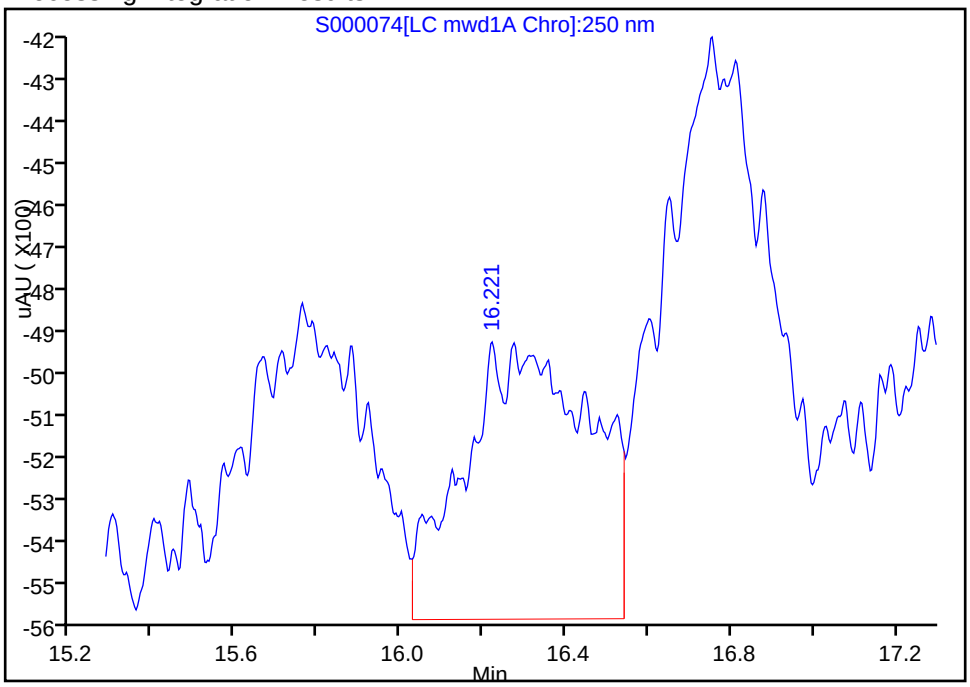
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D		
Injection Date:	21-Dec-2012 17:23:00	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	7620	Lims Sample ID:	74
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

26 4-Amino-2,6-dinitrotoluene, Signal: 1, Type: quant, RT: 16.22, Det: LC mwd1A

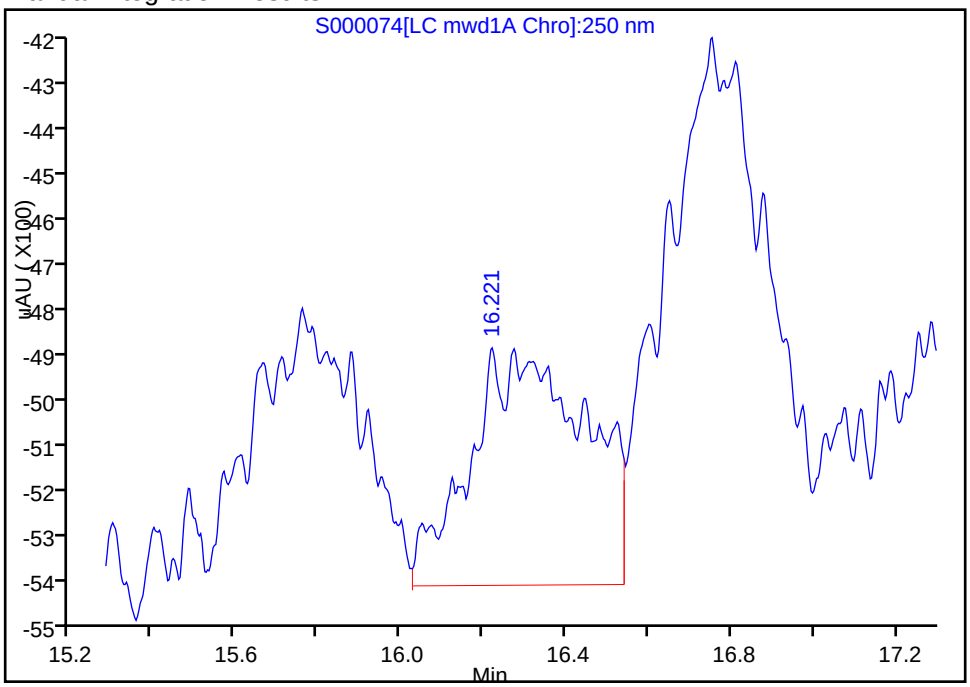
Processing Integration Results

RT: 16.22
Response: 598
Amount: 7.896396



Manual Integration Results

RT: 16.22
Response: 503
Amount: 6.641952



Reviewer: noonanr, 26-Dec-2012 08:51:03
Audit Action: Assigned New Baseline
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

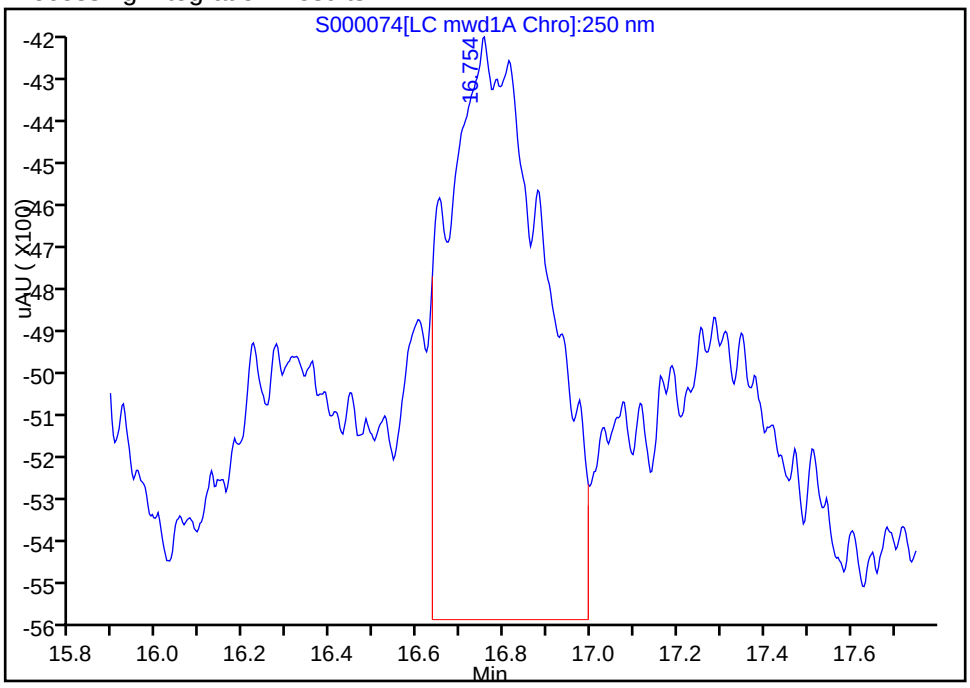
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D		
Injection Date:	21-Dec-2012 17:23:00	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	7620	Lims Sample ID:	74
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

$ 30 3,4-Dinitrotoluene, Signal: 1, Type: quant, RT: 16.75, Det: LC mwd1A

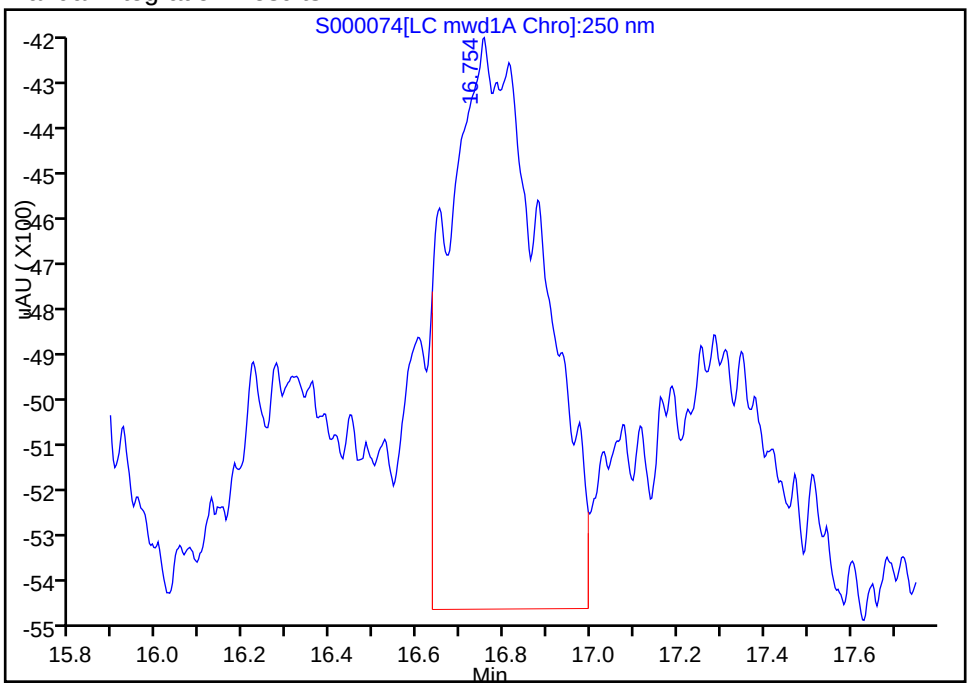
Processing Integration Results

RT: 16.75
Response: 1253
Amount: 22.248989



Manual Integration Results

RT: 16.75
Response: 1159
Amount: 20.579871



Reviewer: noonanr, 26-Dec-2012 08:51:03
Audit Action: Assigned New Baseline
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

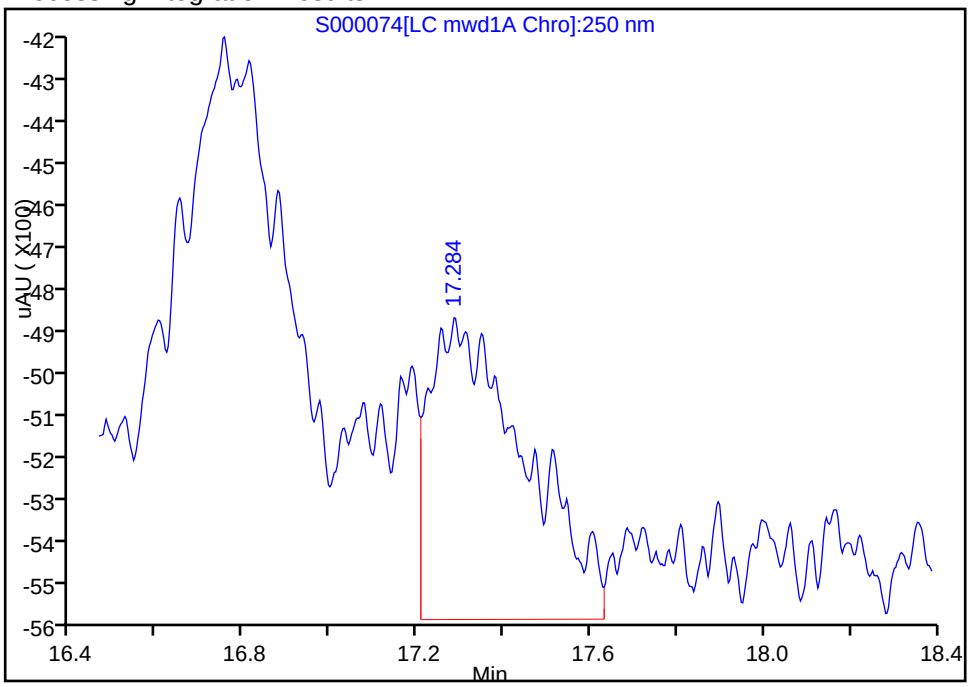
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D		
Injection Date:	21-Dec-2012 17:23:00	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	7620	Lims Sample ID:	74
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

6 2-Amino-4,6-dinitrotoluene, Signal: 1, Type: quant, RT: 17.28, Det: LC mwd1A

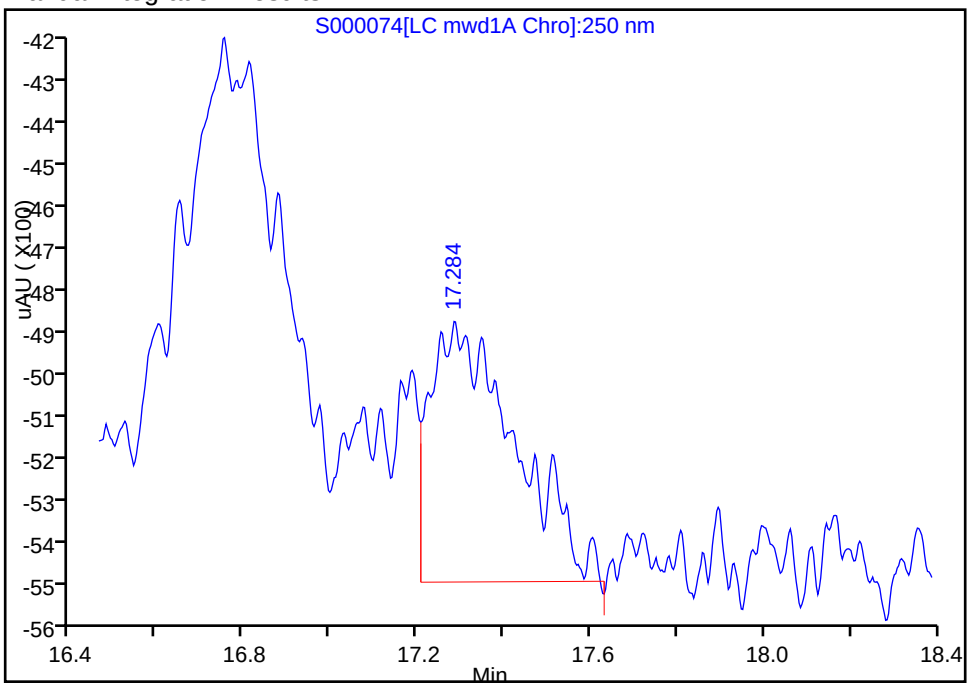
Processing Integration Results

RT: 17.28
Response: 647
Amount: 7.740045



Manual Integration Results

RT: 17.28
Response: 553
Amount: 6.615525



Reviewer: noonanr, 26-Dec-2012 08:51:03
Audit Action: Assigned New Baseline
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

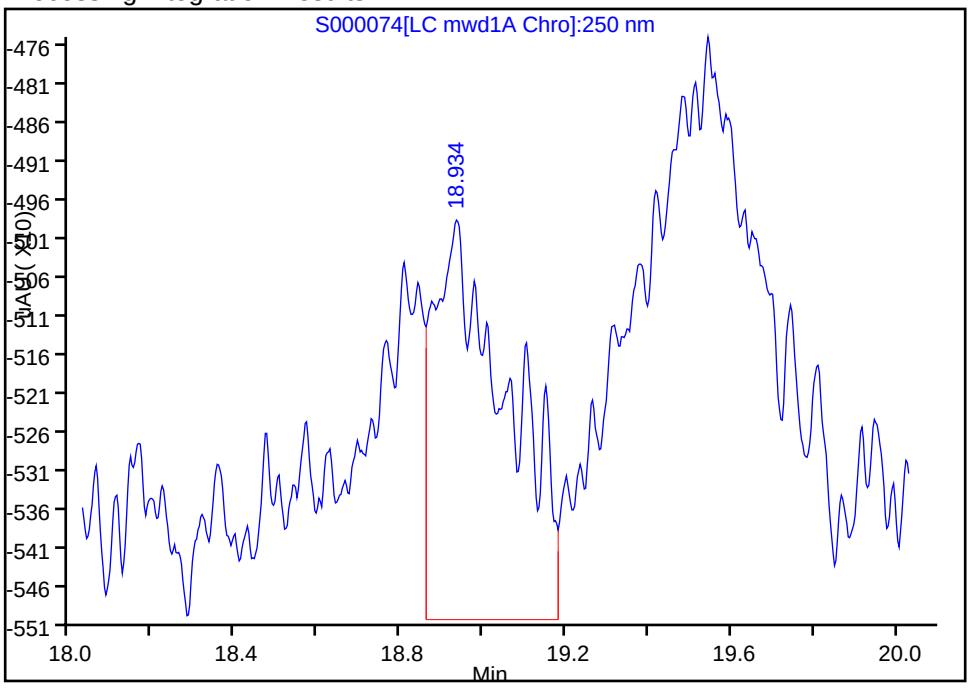
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D		
Injection Date:	21-Dec-2012 17:23:00	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	7620	Lims Sample ID:	74
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

12 2,6-Dinitrotoluene, Signal: 1, Type: quant, RT: 18.93, Det: LC mwd1A

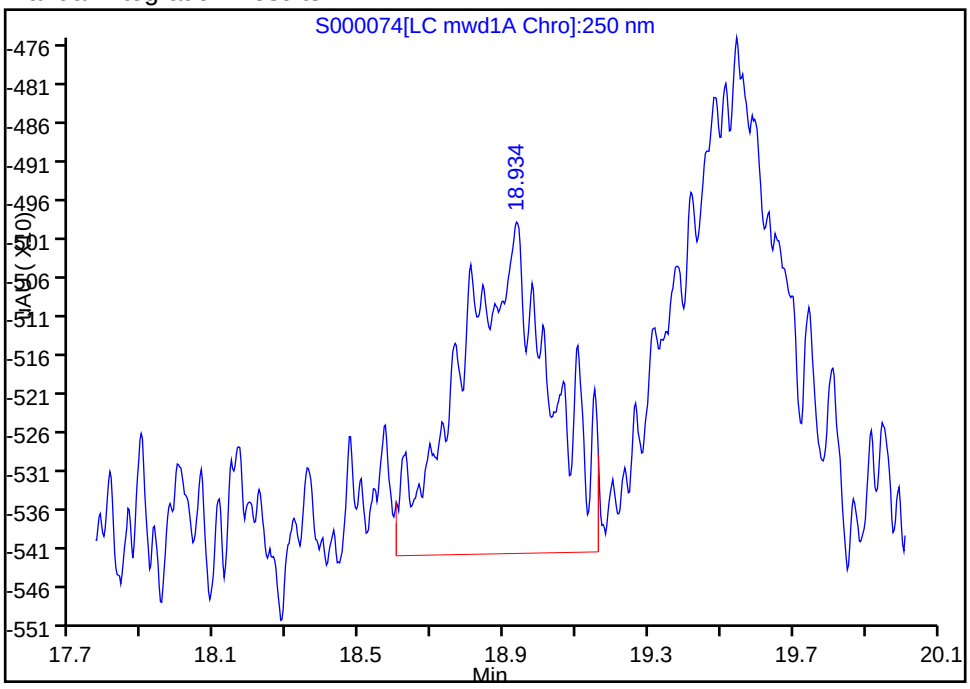
Processing Integration Results

RT: 18.93
Response: 517
Amount: 8.677154



Manual Integration Results

RT: 18.93
Response: 426
Amount: 7.149840



Reviewer: noonanr, 26-Dec-2012 08:51:03
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

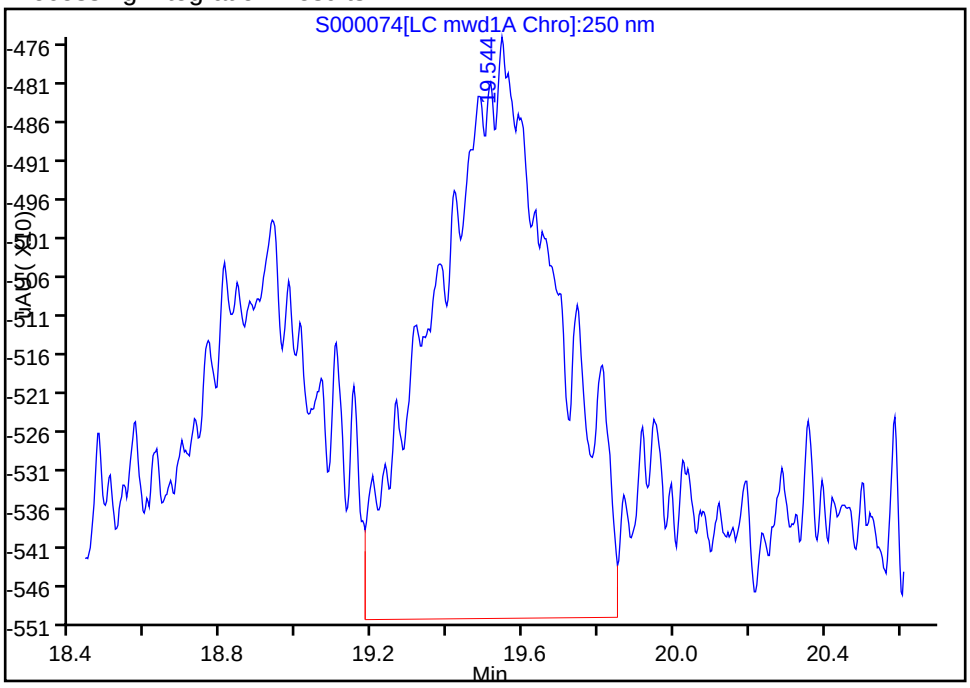
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D		
Injection Date:	21-Dec-2012 17:23:00	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	7620	Lims Sample ID:	74
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

23 2,4-Dinitrotoluene, Signal: 1, Type: quant, RT: 19.54, Det: LC mwd1A

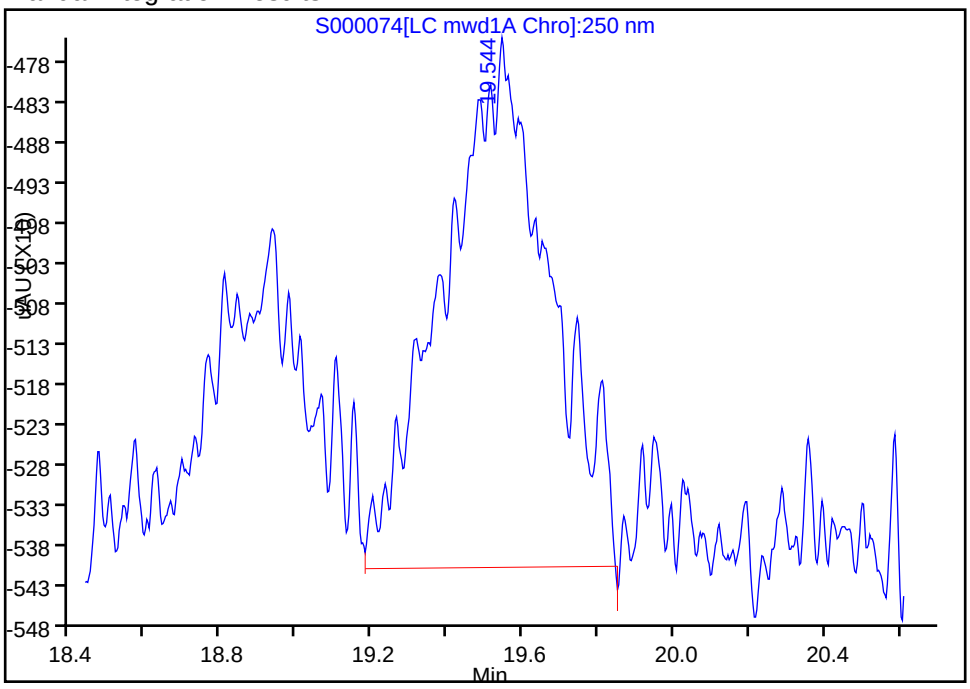
Processing Integration Results

RT: 19.54
Response: 752
Amount: 7.835925



Manual Integration Results

RT: 19.54
Response: 656
Amount: 6.835594



Reviewer: noonanr, 26-Dec-2012 08:51:03
Audit Action: Assigned New Baseline
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

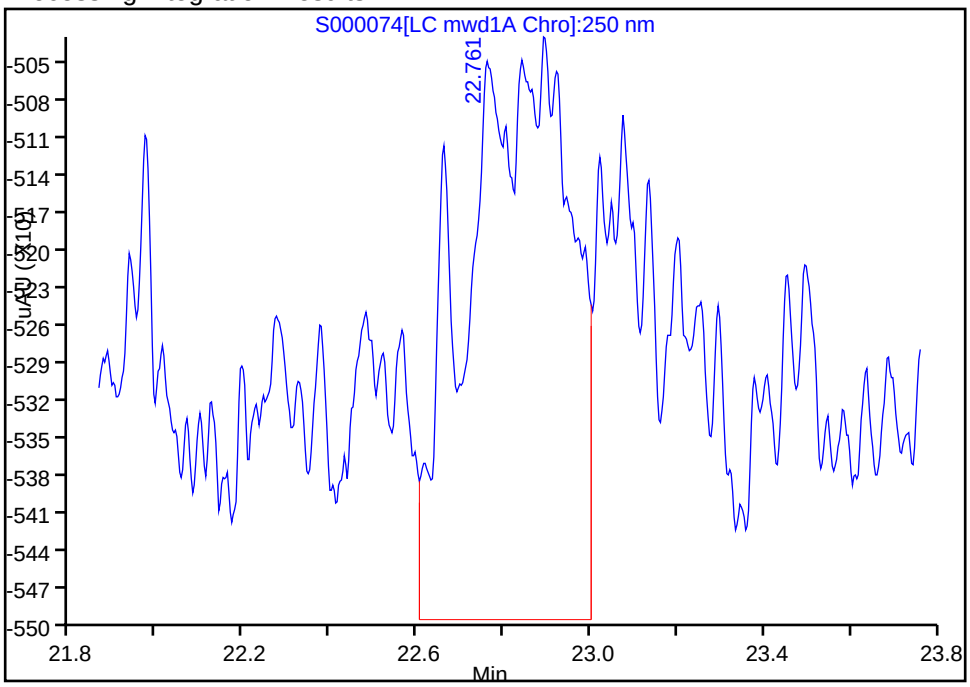
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D		
Injection Date:	21-Dec-2012 17:23:00	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	7620	Lims Sample ID:	74
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

16 o-Nitrotoluene, Signal: 1, Type: quant, RT: 22.89, Det: LC mwd1A

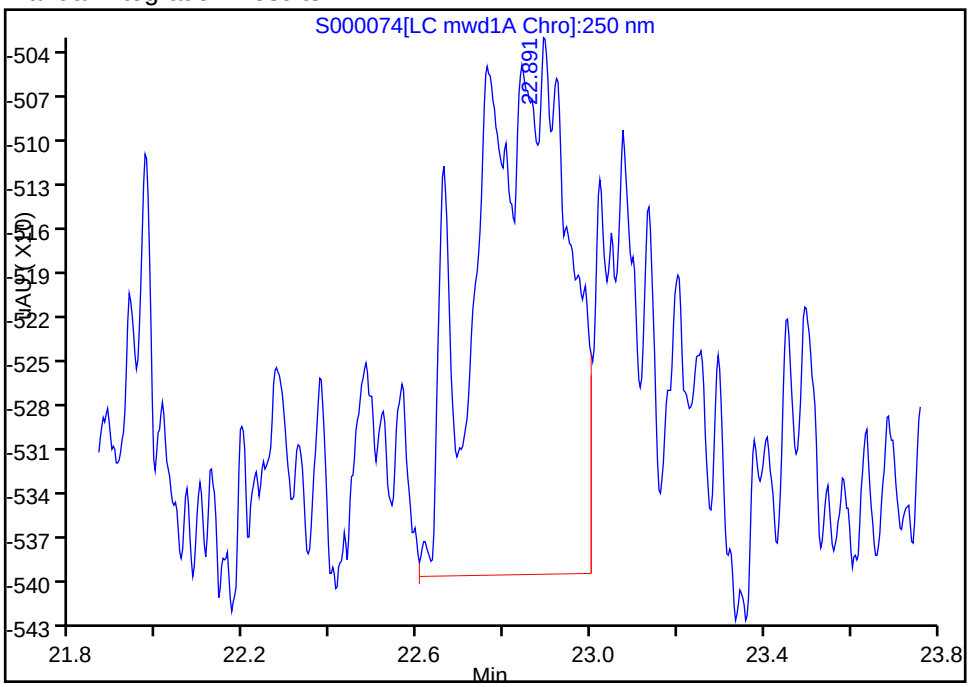
Processing Integration Results

RT: 22.76
Response: 436
Amount: 9.785658



Manual Integration Results

RT: 22.89
Response: 354
Amount: 7.945236



Reviewer: noonanr, 26-Dec-2012 08:51:03
Audit Action: Assigned New Baseline
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

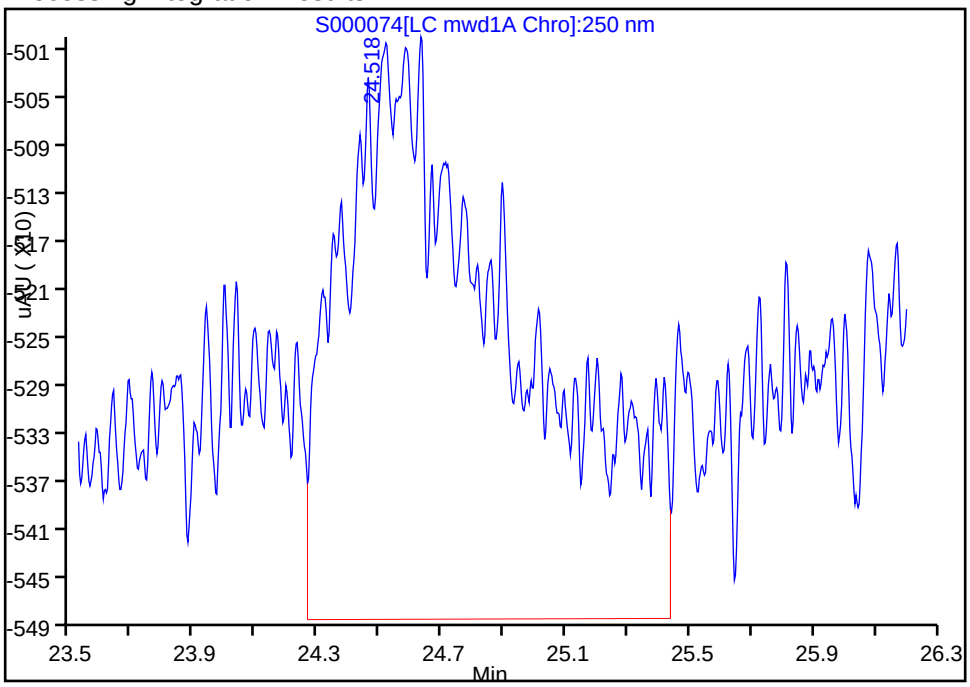
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D		
Injection Date:	21-Dec-2012 17:23:00	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	7620	Lims Sample ID:	74
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

15 p-Nitrotoluene, Signal: 1, Type: quant, RT: 24.63, Det: LC mwd1A

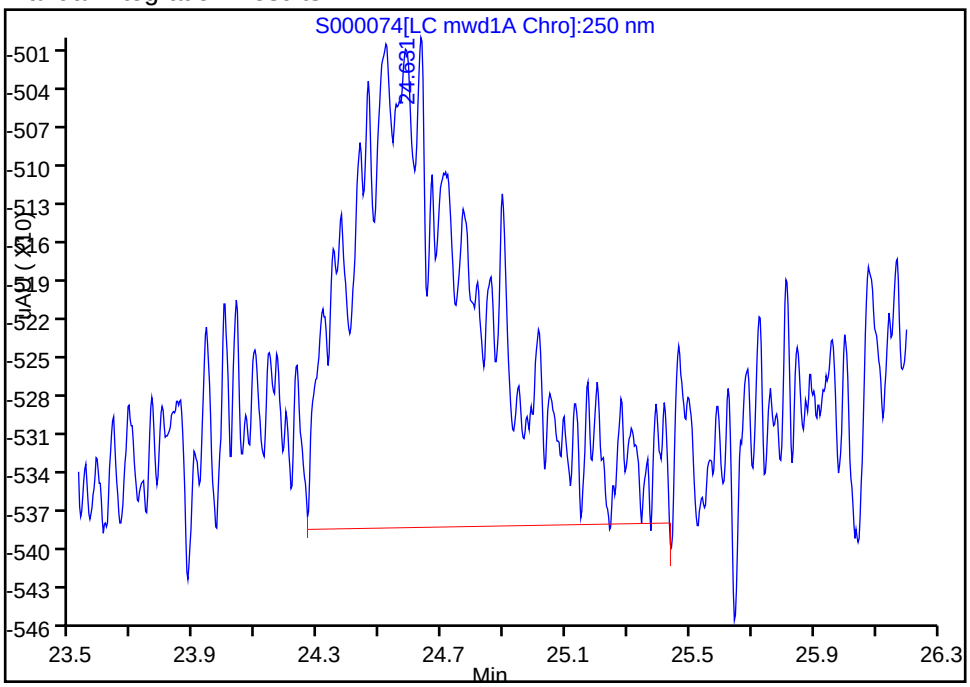
Processing Integration Results

RT: 24.52
Response: 482
Amount: 9.021276



Manual Integration Results

RT: 24.63
Response: 382
Amount: 7.149642



Reviewer: noonanr, 26-Dec-2012 08:51:03
Audit Action: Assigned New Baseline
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

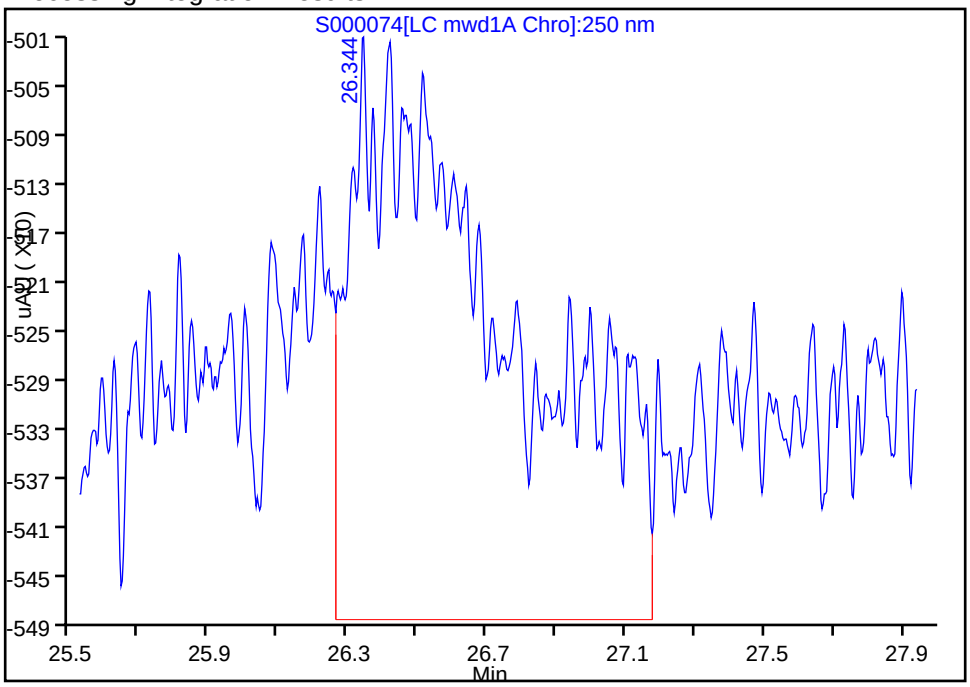
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D		
Injection Date:	21-Dec-2012 17:23:00	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	7620	Lims Sample ID:	74
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

8 m-Nitrotoluene, Signal: 1, Type: quant, RT: 26.34, Det: LC mwd1A

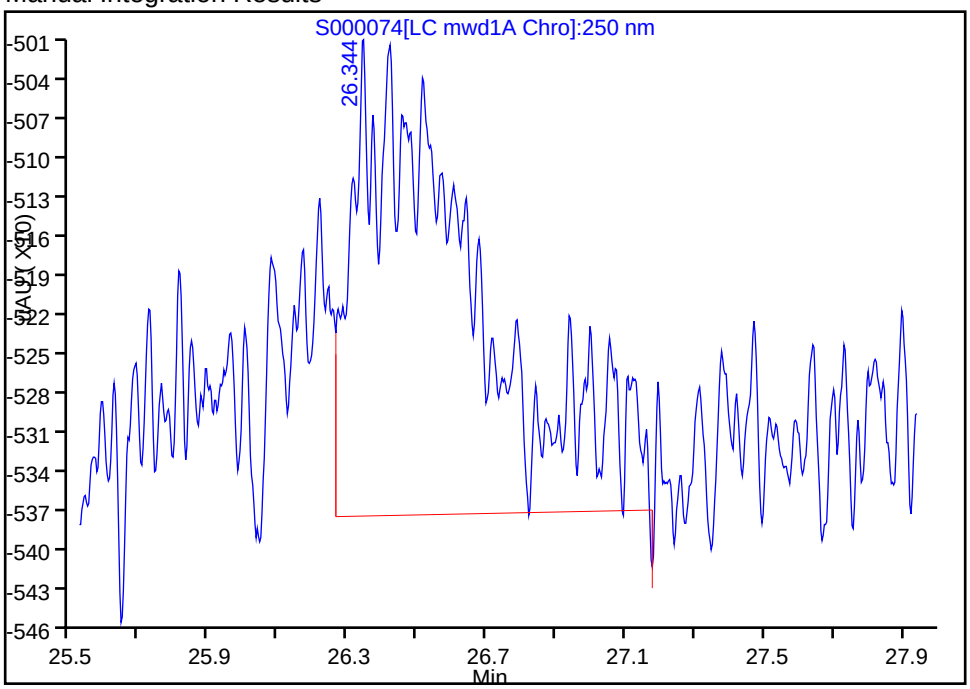
Processing Integration Results

RT: 26.34
Response: 468
Amount: 8.677031



Manual Integration Results

RT: 26.34
Response: 360
Amount: 6.674639



Reviewer: noonanr, 26-Dec-2012 08:51:03
Audit Action: Assigned New Baseline
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

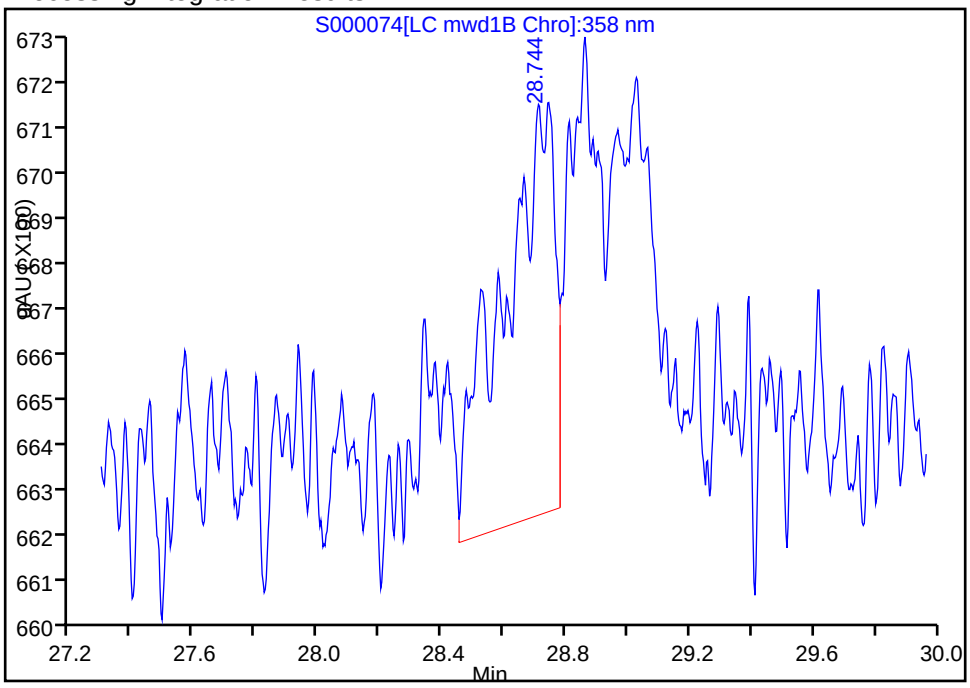
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121219-1888.b\S000074.D		
Injection Date:	21-Dec-2012 17:23:00	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	7620	Lims Sample ID:	74
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

21 PETN, Signal: 1, Type: quant, RT: 28.86, Det: LC mwd1B

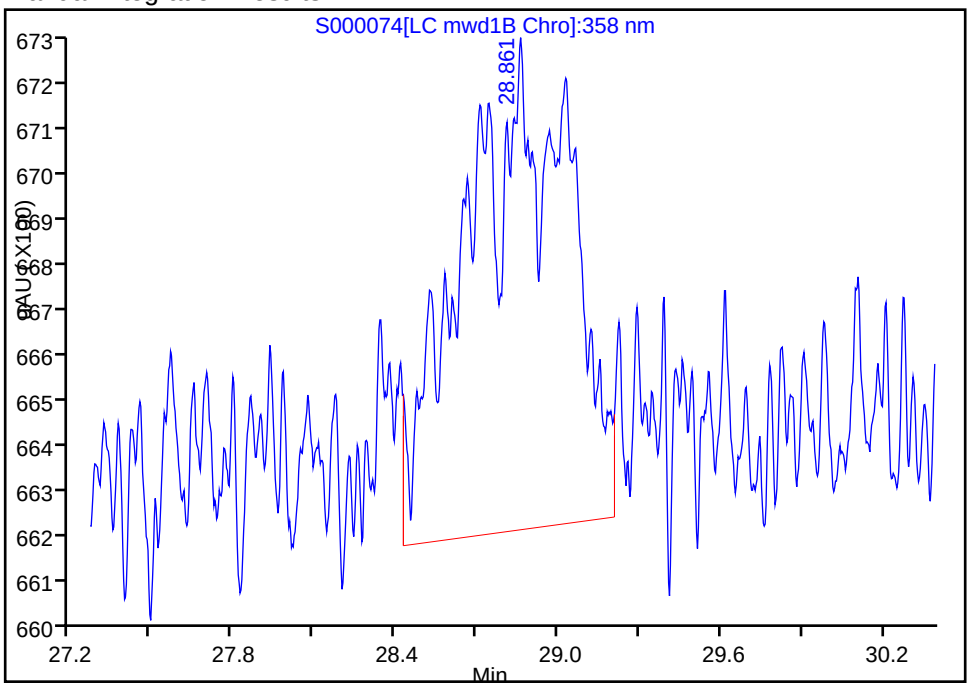
Processing Integration Results

RT: 28.74
Response: 856
Amount: 23.308585



Manual Integration Results

RT: 28.86
Response: 1029
Amount: 28.019315



Reviewer: noonanr, 26-Dec-2012 08:51:03
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Client Sample ID: Lab Sample ID: MB 320-7404/1-A

Matrix: Water Lab File ID: S000068.D

Analysis Method: 8330B Date Collected:

Extraction Method: 8330-Prep Date Extracted: 12/14/2012 11:07

Sample wt/vol: 1000(mL) Date Analyzed: 12/21/2012 13:22

Con. Extract Vol.: 20(mL) Dilution Factor: 1

Injection Volume: 500(uL) GC Column: Synergi C18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 7620 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
99-35-4	1,3,5-Trinitrobenzene	0.050	U	0.10	0.050	0.031
99-65-0	1,3-Dinitrobenzene	0.10	U	0.10	0.10	0.050
118-96-7	2,4,6-Trinitrotoluene	0.10	U	0.10	0.10	0.050
121-14-2	2,4-Dinitrotoluene	0.10	U	0.10	0.10	0.050
606-20-2	2,6-Dinitrotoluene	0.10	U	0.10	0.10	0.050
35572-78-2	2-Amino-4,6-dinitrotoluene	0.10	U	0.20	0.10	0.015
88-72-2	2-Nitrotoluene	0.10	U	0.50	0.10	0.088
99-08-1	3-Nitrotoluene	0.10	U	0.50	0.10	0.057
99-99-0	4-Nitrotoluene	0.10	U	0.50	0.10	0.088
19406-51-0	4-Amino-2,6-dinitrotoluene	0.10	U	0.10	0.10	0.050
2691-41-0	HMX	0.050	U	0.10	0.050	0.036
121-82-4	RDX	0.050	U	0.10	0.050	0.036
98-95-3	Nitrobenzene	0.10	U	0.10	0.10	0.050
479-45-8	Tetryl	0.10	U	0.10	0.10	0.050
55-63-0	Nitroglycerin	0.50	U	0.65	0.50	0.33
78-11-5	PETN	0.50	U	0.65	0.50	0.30

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	97		79-111

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC10\20121219-1888.b\S000068.D		
Lims ID:	MB 320-7404/1-A	Client ID:	
Inject. Date:	21-Dec-2012 13:22:10	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	320-0001888-068		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC10
Injection Vol:	500.0 ul	ALS Bottle#:	69
Lims Batch ID:	7620	Lims Sample ID:	68
Method:	\\SACChrom\ChromData\LC10\20121219-1888.b\8330_LC10.m		
Last Update:	26-Dec-2012 08:43:19	Calib Date:	01-Sep-2012 16:31:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm
Process Host:	XAWRK028		

First Level Reviewer: noonanr Date: 26-Dec-2012 08:43:19

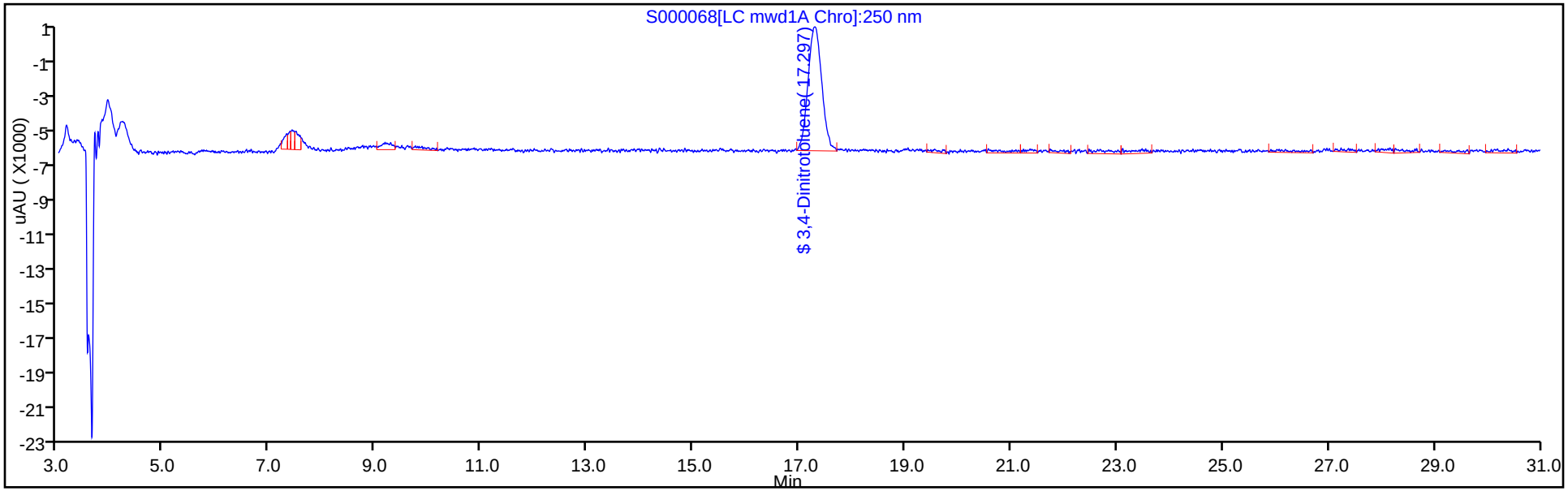
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
$ 30 3,4-Dinitrotoluene						
1	17.297	16.796	0.501	6802	120.8	
2	17.304	16.806	0.498	13020	126.0	a

Report Date: 26-Dec-2012 08:43:19 Chrom Revision: 2.1 24-Dec-2012 15:14:58

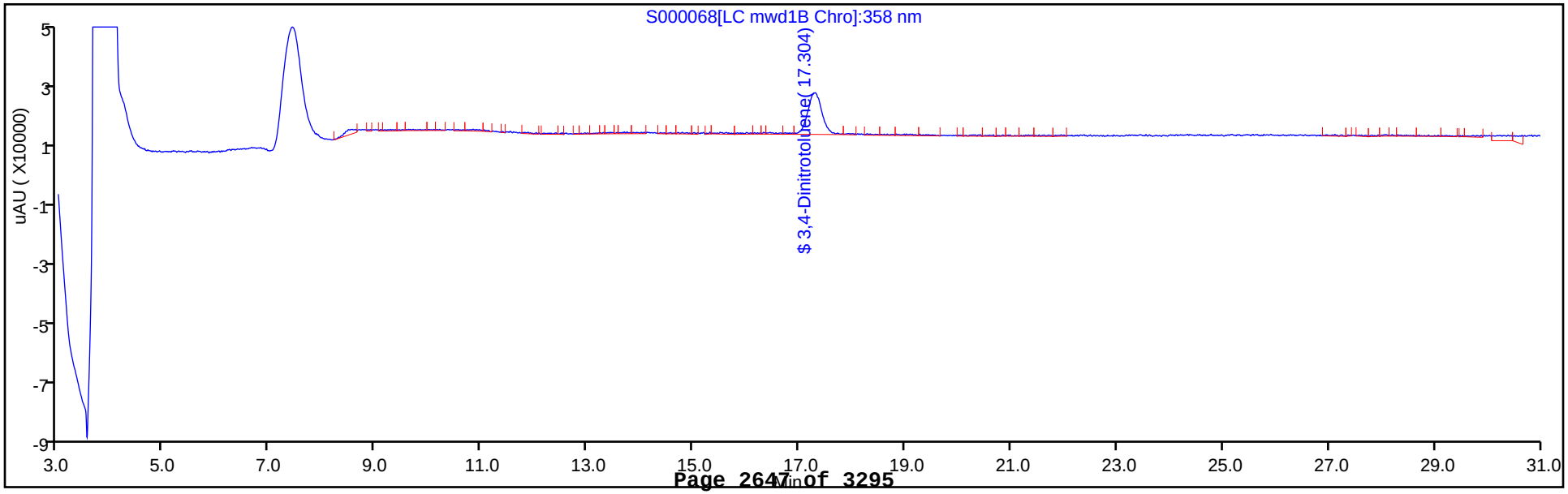
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121219-1888.b\S000068.D		
Injection Date:	21-Dec-2012 13:22:10	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	7620	Lims Sample ID:	68
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Client Sample ID: Lab Sample ID: LCS 320-7404/2-A

Matrix: Water Lab File ID: S000069.D

Analysis Method: 8330B Date Collected:

Extraction Method: 8330-Prep Date Extracted: 12/14/2012 11:07

Sample wt/vol: 1000(mL) Date Analyzed: 12/21/2012 14:02

Con. Extract Vol.: 20(mL) Dilution Factor: 1

Injection Volume: 500(uL) GC Column: Synergi C18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 7620 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
99-35-4	1,3,5-Trinitrobenzene	1.05		0.10	0.050	0.031
99-65-0	1,3-Dinitrobenzene	1.08		0.10	0.10	0.050
118-96-7	2,4,6-Trinitrotoluene	0.993		0.10	0.10	0.050
121-14-2	2,4-Dinitrotoluene	1.02		0.10	0.10	0.050
606-20-2	2,6-Dinitrotoluene	1.01		0.10	0.10	0.050
35572-78-2	2-Amino-4,6-dinitrotoluene	1.04		0.20	0.10	0.015
88-72-2	2-Nitrotoluene	0.936		0.50	0.10	0.088
99-08-1	3-Nitrotoluene	0.981		0.50	0.10	0.057
99-99-0	4-Nitrotoluene	0.982		0.50	0.10	0.088
19406-51-0	4-Amino-2,6-dinitrotoluene	1.05		0.10	0.10	0.050
2691-41-0	HMX	1.04		0.10	0.050	0.036
121-82-4	RDX	1.10		0.10	0.050	0.036
98-95-3	Nitrobenzene	1.06		0.10	0.10	0.050
479-45-8	Tetryl	0.969		0.10	0.10	0.050
55-63-0	Nitroglycerin	4.97		0.65	0.50	0.33
78-11-5	PETN	4.53		0.65	0.50	0.30

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	97		79-111

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121219-1888.b\S000069.D
Lims ID: LCS 320-7404/2-A Client ID:
Inject. Date: 21-Dec-2012 14:02:21 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 320-0001888-069
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 70
Lims Batch ID: 7620 Lims Sample ID: 69

Method: \\SACChrom\ChromData\LC10\20121219-1888.b\8330_LC10.m
Last Update: 26-Dec-2012 08:43:55 Calib Date: 01-Sep-2012 16:31:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK028

First Level Reviewer: noonanr Date: 26-Dec-2012 08:43:55

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.229	5.226	0.003	6539	52.0	
19 RDX						
1	7.536	7.523	0.013	4916	55.2	
27 1,3,5-Trinitrobenzene						
1	9.872	9.869	0.003	8555	52.6	
24 1,3-Dinitrobenzene						
1	12.502	12.506	-0.004	8724	54.0	
9 3,5-Dinitroaniline						
1	13.252	13.270	-0.018	5513	53.1	
20 Tetryl						
1	13.649	13.690	-0.041	4193	48.4	
5 Nitrobenzene						
1	14.252	14.256	-0.004	3920	53.2	
7 Nitroglycerin						
2	14.879	14.913	-0.034	16128	248.6	
25 2,4,6-Trinitrotoluene						
1	15.756	15.790	-0.034	4607	49.7	
26 4-Amino-2,6-dinitrotoluene						
1	16.279	16.343	-0.064	3979	52.5	
$ 30 3,4-Dinitrotoluene						
1	16.739	16.796	-0.057	6801	120.8	
2	16.752	16.806	-0.054	12440	120.4	
6 2-Amino-4,6-dinitrotoluene						
1	17.269	17.306	-0.037	4337	51.9	
12 2,6-Dinitrotoluene						
1	18.866	18.930	-0.064	3016	50.6	
23 2,4-Dinitrotoluene						
1	19.516	19.570	-0.054	4893	51.0	

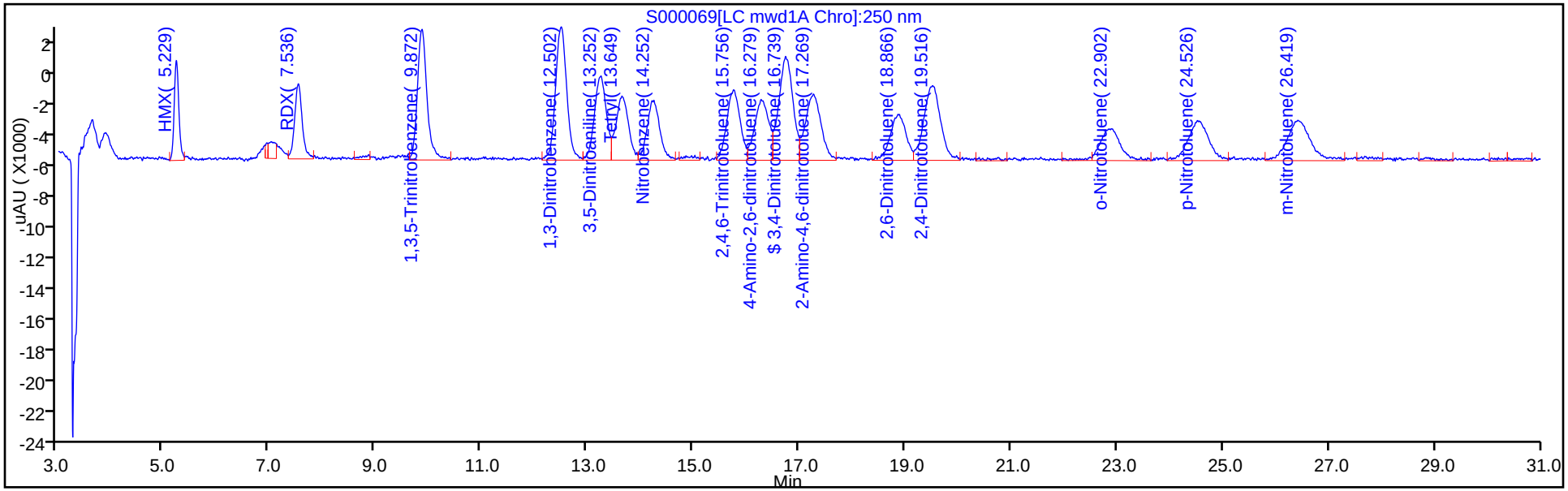
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
16 o-Nitrotoluene						
1	22.902	22.900	0.002	2085	46.8	
15 p-Nitrotoluene						
1	24.526	24.576	-0.050	2623	49.1	
8 m-Nitrotoluene						
1	26.419	26.463	-0.044	2645	49.0	
21 PETN						
2	28.809	28.843	-0.034	8319	226.5	

Report Date: 26-Dec-2012 08:43:55 Chrom Revision: 2.1 24-Dec-2012 15:14:58

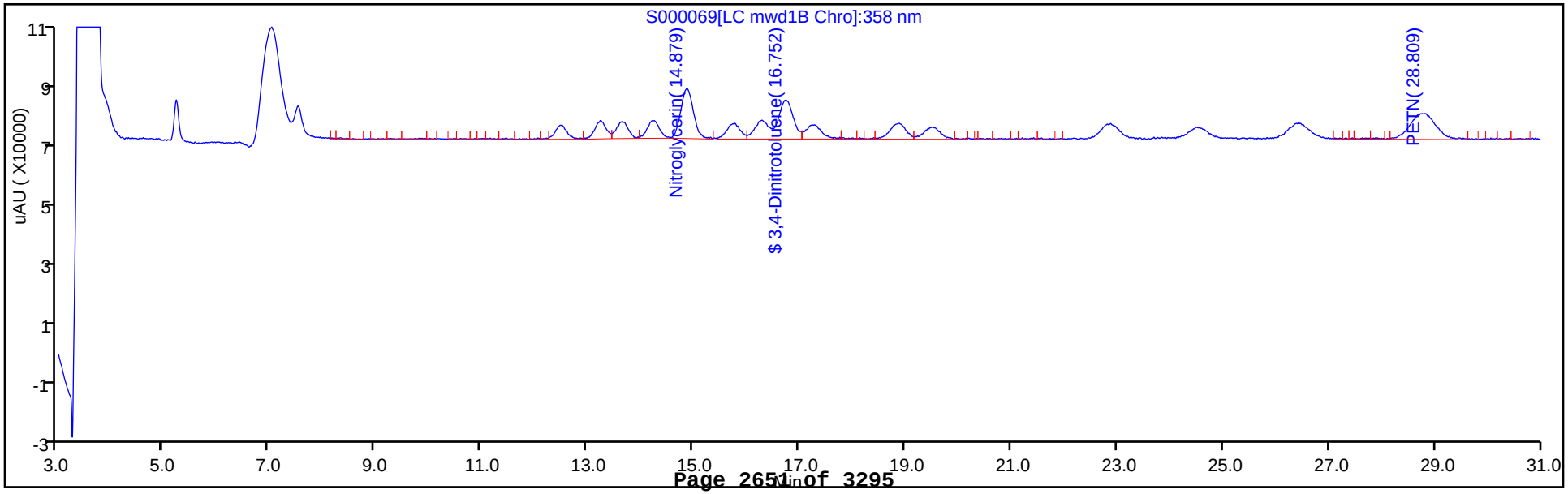
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121219-1888.b\S000069.D		
Injection Date:	21-Dec-2012 14:02:21	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	7620	Lims Sample ID:	69
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Instrument ID: LC10 Start Date: 09/01/2012 11:10

Analysis Batch Number: 3377 End Date: 09/01/2012 19:11

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		09/01/2012 11:10	1		Synergi C18 4.6(mm)
STD01 320-3377/2 IC		09/01/2012 11:50	1	A-000006.D	Synergi C18 4.6(mm)
STD02 320-3377/3 IC		09/01/2012 12:30	1	A-000007.D	Synergi C18 4.6(mm)
STD03 320-3377/4 IC		09/01/2012 13:10	1	A-000008.D	Synergi C18 4.6(mm)
STD04 320-3377/5 IC		09/01/2012 13:50	1	A-000009.D	Synergi C18 4.6(mm)
STD05 320-3377/6 IC		09/01/2012 14:30	1	A-000010.D	Synergi C18 4.6(mm)
STD06 320-3377/7 IC		09/01/2012 15:10	1	A-000011.D	Synergi C18 4.6(mm)
STD07 320-3377/8 IC		09/01/2012 15:50	1	A-000012.D	Synergi C18 4.6(mm)
STD08 320-3377/9 IC		09/01/2012 16:31	1	A-000013.D	Synergi C18 4.6(mm)
ZZZZZ		09/01/2012 17:10	1		Synergi C18 4.6(mm)
ICV 320-3377/11		09/01/2012 17:51	1	A-000015.D	Synergi C18 4.6(mm)
ICV 320-3377/12		09/01/2012 18:31	1		
LODV 320-3377/13		09/01/2012 19:11	1	A-000017.D	Synergi C18 4.6(mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Instrument ID: LC10 Start Date: 12/19/2012 17:43

Analysis Batch Number: 7620 End Date: 12/22/2012 00:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 320-7620/3 CCVRT		12/19/2012 17:43	1		Synergi C18 4.6(mm)
CCV 320-7620/14 CCVRT		12/20/2012 01:05	1		Synergi C18 4.6(mm)
CCVL 320-7620/15		12/20/2012 01:45	1		Synergi C18 4.6(mm)
ZZZZZ		12/20/2012 07:07	1		Synergi C18 4.6(mm)
ZZZZZ		12/20/2012 07:47	1		Synergi C18 4.6(mm)
ZZZZZ		12/20/2012 08:27	1		Synergi C18 4.6(mm)
CCV 320-7620/26 CCVRT		12/20/2012 09:07	1		Synergi C18 4.6(mm)
ZZZZZ		12/20/2012 09:48	1		Synergi C18 4.6(mm)
ZZZZZ		12/20/2012 10:28	1		Synergi C18 4.6(mm)
ZZZZZ		12/20/2012 11:48	1		Synergi C18 4.6(mm)
ZZZZZ		12/20/2012 12:29	1		Synergi C18 4.6(mm)
ZZZZZ		12/20/2012 13:09	1		Synergi C18 4.6(mm)
ZZZZZ		12/20/2012 13:49	1		Synergi C18 4.6(mm)
ZZZZZ		12/20/2012 14:29	1		Synergi C18 4.6(mm)
ZZZZZ		12/20/2012 15:09	1		Synergi C18 4.6(mm)
ZZZZZ		12/20/2012 15:50	1		Synergi C18 4.6(mm)
CCV 320-7620/37 CCVRT		12/20/2012 16:30	1		Synergi C18 4.6(mm)
ZZZZZ		12/20/2012 17:10	1		Synergi C18 4.6(mm)
ZZZZZ		12/20/2012 17:51	1		Synergi C18 4.6(mm)
ZZZZZ		12/20/2012 18:31	1		Synergi C18 4.6(mm)
ZZZZZ		12/20/2012 19:12	1		Synergi C18 4.6(mm)
ZZZZZ		12/20/2012 19:52	1		Synergi C18 4.6(mm)
ZZZZZ		12/20/2012 20:32	1		Synergi C18 4.6(mm)
ZZZZZ		12/20/2012 21:13	1		Synergi C18 4.6(mm)
ZZZZZ		12/20/2012 21:54	1		Synergi C18 4.6(mm)
ZZZZZ		12/20/2012 22:34	1		Synergi C18 4.6(mm)
CCV 320-7620/46 CCVRT		12/20/2012 23:14	1		Synergi C18 4.6(mm)
CCVL 320-7620/47		12/20/2012 23:55	1	S000048.D	Synergi C18 4.6(mm)
ZZZZZ		12/21/2012 00:35	1		Synergi C18 4.6(mm)
ZZZZZ		12/21/2012 01:16	1		Synergi C18 4.6(mm)
ZZZZZ		12/21/2012 01:56	1		Synergi C18 4.6(mm)
ZZZZZ		12/21/2012 02:37	1		Synergi C18 4.6(mm)
ZZZZZ		12/21/2012 03:17	1		Synergi C18 4.6(mm)
ZZZZZ		12/21/2012 03:58	1		Synergi C18 4.6(mm)
ZZZZZ		12/21/2012 04:38	1		Synergi C18 4.6(mm)
ZZZZZ		12/21/2012 05:19	1		Synergi C18 4.6(mm)
ZZZZZ		12/21/2012 05:59	1		Synergi C18 4.6(mm)
ZZZZZ		12/21/2012 06:39	1		Synergi C18 4.6(mm)
CCV 320-7620/66 CCVRT		12/21/2012 07:19	1		Synergi C18 4.6(mm)
ZZZZZ		12/21/2012 08:00	1		Synergi C18 4.6(mm)
ZZZZZ		12/21/2012 08:40	1		Synergi C18 4.6(mm)
ZZZZZ		12/21/2012 09:20	1		Synergi C18 4.6(mm)
ZZZZZ		12/21/2012 10:00	1		Synergi C18 4.6(mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Instrument ID: LC10 Start Date: 12/19/2012 17:43

Analysis Batch Number: 7620 End Date: 12/22/2012 00:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		12/21/2012 10:41	1		Synergi C18 4.6(mm)
ZZZZZ		12/21/2012 11:21	1		Synergi C18 4.6(mm)
ZZZZZ		12/21/2012 12:01	1		Synergi C18 4.6(mm)
CCV 320-7620/67 CCVRT		12/21/2012 12:41	1	S000067.D	Synergi C18 4.6(mm)
MB 320-7404/1-A		12/21/2012 13:22	1	S000068.D	Synergi C18 4.6(mm)
LCS 320-7404/2-A		12/21/2012 14:02	1	S000069.D	Synergi C18 4.6(mm)
ZZZZZ		12/21/2012 14:42	1		Synergi C18 4.6(mm)
240-18735-3	070-0056-0001-SOURCE WATER	12/21/2012 15:22	1	S000071.D	Synergi C18 4.6(mm)
240-18735-4	070-0057-0001-SOURCE WATER	12/21/2012 16:02	1	S000072.D	Synergi C18 4.6(mm)
CCV 320-7620/73 CCVRT		12/21/2012 16:42	1	S000073.D	Synergi C18 4.6(mm)
CCVL 320-7620/74		12/21/2012 17:23	1	S000074.D	Synergi C18 4.6(mm)
CCV 320-7620/85 CCVRT		12/22/2012 00:44	1		Synergi C18 4.6(mm)

HPLC/IC BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Batch Number: 7404 Batch Start Date: 12/14/12 11:07 Batch Analyst: Arauz, Horacio

Batch Method: 8330-Prep Batch End Date: 12/17/12 15:55

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	HP34DNTSU 00008	HP8330SP 00011
MB 320-7404/1		8330-Prep, 8330B				1000 mL	20 mL	50 uL	
LCS 320-7404/2		8330-Prep, 8330B				1000 mL	20 mL	50 uL	20 uL
240-18735-R-3	070-0056-0001-SOURCE WATER	8330-Prep, 8330B	T	1504.4 g	499.96 g	1004.4 mL	20 mL	50 uL	
240-18735-R-4	070-0057-0001-SOURCE WATER	8330-Prep, 8330B	T	1509.8 g	498.79 g	1011 mL	20 mL	50 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	HPNGPETNSP 00001					
MB 320-7404/1		8330-Prep, 8330B							
LCS 320-7404/2		8330-Prep, 8330B		100 uL					
240-18735-R-3	070-0056-0001-SOURCE WATER	8330-Prep, 8330B	T						
240-18735-R-4	070-0057-0001-SOURCE WATER	8330-Prep, 8330B	T						

Batch Notes	
0.1% HOAc/CAN Lot 3	HPHOAC/ACN_0001
Balance ID	QA-070
Person's name who did the concentration	HA
Date of Clean up	12-17-12
Date Dilution Performed	12-17-12
Analytst performing Dilution	HA
Filter Lot #	R2DA02309
Date of Final Volume	12-17-12
Millipore Water Dispense Date	12-12-12
Prep Solvent Volume Used	5 mL
Person's name who witnessed reagent drop	TP
Solvent	0.1% HOAC/ACN
SPE Cartridge Lot #	WATER 003732270A

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

HPLC/IC BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Batch Number: 7404 Batch Start Date: 12/14/12 11:07 Batch Analyst: Arauz, Horacio

Batch Method: 8330-Prep Batch End Date: 12/17/12 15:55

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Canton Job Number: 240-18735-2

SDG No.:

Project: RVAAP - ECC

Client Sample ID	Lab Sample ID
070-0056-0001-SOURCE WATER	240-18735-3
070-0057-0001-SOURCE WATER	240-18735-4
070-0058-0001-IDW	240-18735-5
070-0059-0001-IDW	240-18735-6

Comments:

COVER PAGE
METALS

Lab Name: TestAmerica Pittsburgh Job Number: 240-18735-2

SDG No.:

Project: RVAAP - ECC

Client Sample ID	Lab Sample ID
070-0056-0001-SOURCE WATER	240-18735-3
070-0057-0001-SOURCE WATER	240-18735-4

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 070-0056-0001-SOURCE WATER
Lab Sample ID: 240-18735-3
Lab Name: TestAmerica Canton
Job No.: 240-18735-2
SDG ID.:
Matrix: Water
Date Sampled: 12/12/2012 13:00
Reporting Basis: WET
Date Received: 12/12/2012 17:07

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.20	0.20	0.20	0.12	ug/L	U		1	7470A/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 070-0057-0001-SOURCE WATER
Lab Sample ID: 240-18735-4
Lab Name: TestAmerica Canton
Job No.: 240-18735-2
SDG ID.:
Matrix: Water
Date Sampled: 12/12/2012 13:15
Reporting Basis: WET
Date Received: 12/12/2012 17:07

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.20	0.20	0.20	0.12	ug/L	U		1	7470A/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: 070-0058-0001-IDW
Lab Sample ID: 240-18735-5
Lab Name: TestAmerica Canton
Job No.: 240-18735-2
SDG ID.:
Matrix: Solid
Date Sampled: 12/12/2012 13:30
Reporting Basis: WET
Date Received: 12/12/2012 17:07

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.0050	0.50	0.0050	0.0017	mg/L	U		1	6010B/DOD
Arsenic	0.0044	0.50	0.010	0.0033	mg/L	J		1	6010B/DOD
Barium	0.29	10	0.0050	0.0028	mg/L	J		1	6010B/DOD
Cadmium	0.0016	0.10	0.0010	0.00039	mg/L	J		1	6010B/DOD
Chromium	0.0024	0.50	0.0040	0.0014	mg/L	J		1	6010B/DOD
Lead	0.0090	0.50	0.0050	0.0017	mg/L	J		1	6010B/DOD
Selenium	0.0066	0.25	0.010	0.0040	mg/L	J		1	6010B/DOD
Hg	0.00020	0.0020	0.00020	0.00012	mg/L	U		1	7470A/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: 070-0059-0001-IDW
Lab Sample ID: 240-18735-6
Lab Name: TestAmerica Canton
Job No.: 240-18735-2
SDG ID.:
Matrix: Water
Date Sampled: 12/12/2012 13:30
Reporting Basis: WET
Date Received: 12/12/2012 17:07

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.020	2.0	0.020	0.0070	mg/L	U		1	6010B/DOD
Arsenic	0.040	2.0	0.040	0.013	mg/L	U		1	6010B/DOD
Barium	0.24	40	0.020	0.011	mg/L	J		1	6010B/DOD
Cadmium	0.0040	0.40	0.0040	0.0016	mg/L	U		1	6010B/DOD
Chromium	0.012	2.0	0.016	0.0056	mg/L	J		1	6010B/DOD
Lead	0.015	2.0	0.020	0.0069	mg/L	J		1	6010B/DOD
Selenium	0.040	1.0	0.040	0.016	mg/L	U		1	6010B/DOD
Hg	0.00020	0.0020	0.00020	0.00012	mg/L	U		1	7470A/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: 070-0056-0001-SOURCE WATER
Lab Sample ID: 240-18735-3
Lab Name: TestAmerica Pittsburgh
Job No.: 240-18735-2
SDG ID.:
Matrix: Water
Date Sampled: 12/12/2012 13:00
Reporting Basis: WET
Date Received: 12/12/2012 17:07

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.20	1.0	0.20	0.11	ug/L	U		1	6020/DOD
Aluminum	13	30	5.0	2.6	ug/L	J		1	6020/DOD
Arsenic	0.49	1.0	0.50	0.29	ug/L	J		1	6020/DOD
Barium	39	10	0.15	0.098	ug/L		Q	1	6020/DOD
Beryllium	0.090	1.0	0.090	0.045	ug/L	U		1	6020/DOD
Calcium	66000	100	20	9.4	ug/L			1	6020/DOD
Cadmium	0.30	1.0	0.30	0.13	ug/L	U		1	6020/DOD
Chromium	1.0	2.0	1.0	0.54	ug/L	U		1	6020/DOD
Cobalt	0.11	0.50	0.050	0.026	ug/L	J	Q	1	6020/DOD
Copper	0.83	2.0	0.50	0.24	ug/L	J	Q	1	6020/DOD
Iron	440	50	20	11	ug/L			1	6020/DOD
Magnesium	27000	100	22	11	ug/L			1	6020/DOD
Manganese	77	5.0	0.30	0.16	ug/L			1	6020/DOD
Sodium	35000	100	55	27	ug/L			1	6020/DOD
Nickel	0.35	1.0	0.35	0.17	ug/L	U		1	6020/DOD
Lead	0.30	1.0	0.30	0.15	ug/L	U		1	6020/DOD
Antimony	0.90	2.0	0.90	0.46	ug/L	U		1	6020/DOD
Thallium	0.20	1.0	0.20	0.10	ug/L	U		1	6020/DOD
Vanadium	0.60	1.0	0.60	0.30	ug/L	U		1	6020/DOD
Zinc	18	5.0	2.0	0.96	ug/L		Q	1	6020/DOD
Potassium	2500	100	60	32	ug/L			1	6020/DOD
Selenium	1.0	5.0	1.0	0.51	ug/L	U	Q	1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: 070-0057-0001-SOURCE WATER
Lab Sample ID: 240-18735-4
Lab Name: TestAmerica Pittsburgh
Job No.: 240-18735-2
SDG ID.:
Matrix: Water
Date Sampled: 12/12/2012 13:15
Reporting Basis: WET
Date Received: 12/12/2012 17:07

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.20	1.0	0.20	0.11	ug/L	U		1	6020/DOD
Aluminum	5.0	30	5.0	2.6	ug/L	U		1	6020/DOD
Arsenic	0.50	1.0	0.50	0.29	ug/L	U		1	6020/DOD
Barium	0.13	10	0.15	0.098	ug/L	J	Q	1	6020/DOD
Beryllium	0.090	1.0	0.090	0.045	ug/L	U		1	6020/DOD
Calcium	59	100	20	9.4	ug/L	J		1	6020/DOD
Cadmium	0.30	1.0	0.30	0.13	ug/L	U		1	6020/DOD
Chromium	1.0	2.0	1.0	0.54	ug/L	U		1	6020/DOD
Cobalt	0.050	0.50	0.050	0.026	ug/L	U	Q	1	6020/DOD
Copper	0.60	2.0	0.50	0.24	ug/L	J	Q	1	6020/DOD
Iron	20	50	20	11	ug/L	U		1	6020/DOD
Magnesium	29	100	22	11	ug/L	J		1	6020/DOD
Manganese	0.30	5.0	0.30	0.16	ug/L	U		1	6020/DOD
Sodium	1600	100	55	27	ug/L			1	6020/DOD
Nickel	0.35	1.0	0.35	0.17	ug/L	U		1	6020/DOD
Lead	0.30	1.0	0.30	0.15	ug/L	U		1	6020/DOD
Antimony	0.90	2.0	0.90	0.46	ug/L	U		1	6020/DOD
Thallium	0.20	1.0	0.20	0.10	ug/L	U		1	6020/DOD
Vanadium	0.60	1.0	0.60	0.30	ug/L	U		1	6020/DOD
Zinc	2.0	5.0	2.0	0.96	ug/L	U	Q	1	6020/DOD
Potassium	60	100	60	32	ug/L	U		1	6020/DOD
Selenium	1.0	5.0	1.0	0.51	ug/L	U	Q	1	6020/DOD

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

ICV Source: MT6500ICV_00007 Concentration Units: ug/L

CCV Source: MT6500CCV_00021

Analyte	ICV 240-71033/4 01/03/2013 11:37				CCV 240-71033/18 01/03/2013 12:33				CCV 240-71033/30 01/03/2013 13:37			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	379		375	101	516		500	103	520		500	104
Barium	1540	J	1500	103	2010	J	2000	100	2020	J	2000	101
Cadmium	380		375	101	508		500	102	513		500	103
Chromium	1510		1500	101	1990		2000	100	2020		2000	101
Lead	374		375	100	502		500	100	503		500	101
Selenium	380		375	101	505		500	101	510		500	102
Silver	777		750	104	1010		1000	101	1020		1000	102

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

ICV Source: MT6500ICV_00007 Concentration Units: ug/L

CCV Source: MT6500CCV_00021

Analyte	CCV 240-71033/37 01/03/2013 14:09											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	521		500	104								
Barium	2000	J	2000	100								
Cadmium	512		500	102								
Chromium	2010		2000	100								
Lead	504		500	101								
Selenium	508		500	102								
Silver	1010		1000	101								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

ICV Source: MTHGICVW_00457 Concentration Units: ug/L

CCV Source: MTHGCALW_00295

Analyte	ICV 240-70435/7-A 12/29/2012 10:52				CCVL 240-70435/10-A 12/29/2012 11:56				CCV 240-70435/11-A 12/29/2012 12:14			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	2.33		2.50	93	4.96		5.00	99	4.94		5.00	99

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

ICV Source: MTHGICVW_00452 Concentration Units: ug/L

CCV Source: MTHGCALW_00293

Analyte	ICV 240-69493/7-A 12/20/2012 09:20				CCVL 240-69493/10-A 12/20/2012 11:26				CCV 240-69493/11-A 12/20/2012 14:22			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Hg	2.38		2.50	95	4.89		5.00	98	5.00		5.00	100

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

ICV Source: MTHGICVW_00452 Concentration Units: ug/L

CCV Source: MTHGCALW_00293

Analyte	CCV 240-69493/11-A 12/20/2012 14:48				CCV 240-69493/11-A 12/20/2012 15:04							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Hg	5.02		5.00	100	5.03		5.00	101				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18735-2

SDG No.:

ICV Source: MICPMSICV_00012 Concentration Units: ug/L

CCV Source: MCCV1X_00031

Analyte	ICV 180-59694/5 12/28/2012 22:54				CCV 180-59694/10 12/28/2012 23:21				CCV 180-59694/58 12/29/2012 03:18			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	391		400	98	495		500	99	483		500	97
Antimony	77.8		80.0	97	93.2		100	93	95.7		100	96
Arsenic	79.7		80.0	100	95.9		100	96	96.2		100	96
Barium	78.0		80.0	97	92.5		100	93	97.0		100	97
Beryllium	77.9		80.0	97	98.3		100	98	99.5		100	99
Cadmium	80.3		80.0	100	98.4		100	98	98.7		100	99
Calcium	38300		40000	96	47100		50000	94	49100		50000	98
Chromium	79.8		80.0	100	96.1		100	96	95.0		100	95
Cobalt	77.8		80.0	97	94.8		100	95	93.8		100	94
Copper	79.1		80.0	99	95.6		100	96	95.8		100	96
Iron	19600		20000	98	24200		25000	97	24800		25000	99
Lead	77.8		80.0	97	93.5		100	94	92.4		100	92
Magnesium	38200		40000	95	48600		50000	97	48200		50000	96
Manganese	394		400	99	484		500	97	453		500	91
Nickel	78.3		80.0	98	95.3		100	95	94.8		100	95
Potassium	39100		40000	98	46900		50000	94	49000		50000	98
Selenium	81.1		80.0	101	99.4		100	99	99.5		100	99
Silver	78.4		80.0	98	96.3		100	96	96.9		100	97
Sodium	38600		40000	96	47900		50000	96	48300		50000	97
Thallium	80.2		80.0	100	93.7		100	94	92.6		100	93
Vanadium	77.1		80.0	96	95.3		100	95	94.4		100	94
Zinc	84.9		80.0	106	101		100	101	97.8		100	98

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

Lab Name: TestAmerica Pittsburgh Job No.: 240-18735-2

SDG No.:

ICV Source: MICPMSICV_00012 Concentration Units: ug/L

CCV Source: MCCV1X_00031

Analyte	CCV 180-59694/70 12/29/2012 04:35											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	501		500	100								
Antimony	96.5		100	97								
Arsenic	98.5		100	98								
Barium	97.6		100	98								
Beryllium	101		100	101								
Cadmium	99.9		100	100								
Calcium	51400		50000	103								
Chromium	97.4		100	97								
Cobalt	96.3		100	96								
Copper	98.1		100	98								
Iron	25800		25000	103								
Lead	93.2		100	93								
Magnesium	50700		50000	101								
Manganese	456		500	91								
Nickel	96.9		100	97								
Potassium	51200		50000	102								
Selenium	104		100	104								
Silver	97.4		100	97								
Sodium	50000		50000	100								
Thallium	93.5		100	93								
Vanadium	97.0		100	97								
Zinc	101		100	101								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Method: 6010B/DOD Instrument ID: I9

Lab Sample ID: CRI 240-71033/6 Concentration Units: ug/L

CRQL Check Standard Source: MT6500CRIW_00006

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Silver	5.00	4.88	J	98	80-120
Arsenic	15.0	14.7		98	80-120
Barium	10.0	10.1	J	101	80-120
Cadmium	5.00	5.15		103	80-120
Chromium	5.00	5.11		102	80-120
Lead	10.0	10.2		102	80-120
Selenium	20.0	19.5		97	80-120

Lab Sample ID: CRI 240-71033/39 Concentration Units: ug/L

CRQL Check Standard Source: MT6500CRIW_00006

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Silver	5.00	4.81	J	96	80-120
Arsenic	15.0	15.3		102	80-120
Barium	10.0	9.76	J	98	80-120
Cadmium	5.00	5.03		101	80-120
Chromium	5.00	5.05		101	80-120
Lead	10.0	10.1		101	80-120
Selenium	20.0	19.3		96	80-120

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

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Method: 7470A/DOD Instrument ID: H1

Lab Sample ID: CRA 240-70435/9-A Concentration Units: ug/L

CRQL Check Standard Source: MTHGCALW_00295

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.183	J	92	

Lab Sample ID: CRA 240-70435/9-A Concentration Units: ug/L

CRQL Check Standard Source: MTHGCALW_00295

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.217		108	

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

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Method: 7470A/DOD Instrument ID: H4

Lab Sample ID: CRA 240-69493/9-A Concentration Units: ug/L

CRQL Check Standard Source: MTHGCALW_00293

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Hg	0.200	0.200		100	

Lab Sample ID: CRA 240-69493/9-A Concentration Units: ug/L

CRQL Check Standard Source: MTHGCALW_00293

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Hg	0.200	0.209		105	

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

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18735-2

SDG No.:

Method: 6020/DOD Instrument ID: M

Lab Sample ID: CRI 180-59694/7 Concentration Units: ug/L

CRQL Check Standard Source: MCRIX_00024

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Silver	1.00	0.986	J	99	80-120
Aluminum	30.0	31.4		105	80-120
Arsenic	1.00	1.06		106	80-120
Barium	10.0	9.24	J	92	80-120
Beryllium	1.00	0.955	J	95	80-120
Calcium	100	102		102	80-120
Cadmium	1.00	1.05		105	80-120
Chromium	2.00	1.91	J	96	80-120
Cobalt	0.500	0.486	J	97	80-120
Copper	2.00	2.10		105	80-120
Iron	50.0	59.0		118	80-120
Magnesium	100	96.8	J	97	80-120
Manganese	5.00	5.12		102	80-120
Sodium	100	97.1	J	97	80-120
Nickel	1.00	0.968	J	97	80-120
Lead	1.00	0.923	J	92	80-120
Antimony	2.00	1.87	J	94	80-120
Thallium	1.00	0.865	J	87	80-120
Vanadium	1.00	0.898	J	90	80-120
Zinc	5.00	5.83		117	80-120
Potassium	100	92.3	J	92	80-120
Selenium	5.00	5.05		101	80-120

Lab Sample ID: CRI 180-59694/69 Concentration Units: ug/L

CRQL Check Standard Source: MCRIX_00024

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Silver	1.00	0.937	J	94	80-120
Aluminum	30.0	32.3		108	80-120
Arsenic	1.00	0.883	J	88	80-120
Barium	10.0	9.28	J	93	80-120
Beryllium	1.00	0.909	J	91	80-120
Calcium	100	108		108	80-120
Cadmium	1.00	1.01		101	80-120
Chromium	2.00	1.97	J	99	80-120

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

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18735-2

SDG No.:

Method: 6020/DOD Instrument ID: M

Lab Sample ID: CRI 180-59694/69 Concentration Units: ug/L

CRQL Check Standard Source: MCRIX_00024

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Cobalt	0.500	0.495	J	99	80-120
Copper	2.00	2.12		106	80-120
Iron	50.0	57.7		115	80-120
Magnesium	100	98.6	J	99	80-120
Manganese	5.00	5.42		108	80-120
Sodium	100	94.5	J	95	80-120
Nickel	1.00	0.970	J	97	80-120
Lead	1.00	0.873	J	87	80-120
Antimony	2.00	1.90	J	95	80-120
Thallium	1.00	0.825	J	82	80-120
Vanadium	1.00	0.942	J	94	80-120
Zinc	5.00	5.72		114	80-120
Potassium	100	99.2	J	99	80-120
Selenium	5.00	4.99	J	100	80-120

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

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 240-71033/5 01/03/2013 11:41		CCB 240-71033/19 01/03/2013 12:36		CCB 240-71033/31 01/03/2013 13:40		CCB 240-71033/38 01/03/2013 14:13	
		Found	C	Found	C	Found	C	Found	C
Arsenic	10	10	U	10	U	10	U	10	U
Barium	10000	5.0	U	5.0	U	5.0	U	5.0	U
Cadmium	2.0	0.50	U	0.50	U	0.50	U	0.50	U
Chromium	5.0	4.0	U	4.0	U	4.0	U	4.0	U
Lead	5.0	5.0	U	5.0	U	5.0	U	5.0	U
Selenium	10	10	U	10	U	10	U	10	U
Silver	5.0	4.0	U	4.0	U	4.0	U	4.0	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 240-70435/8-A 12/29/2012 10:53		CCB 240-70435/12-A 12/29/2012 11:57		CCB 240-70435/12-A 12/29/2012 12:16			
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U	0.20	U	0.20	U		

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 240-69493/8-A 12/20/2012 09:22		CCB 240-69493/12-A 12/20/2012 14:24		CCB 240-69493/12-A 12/20/2012 14:50		CCB 240-69493/12-A 12/20/2012 15:06	
		Found	C	Found	C	Found	C	Found	C
Hg	0.20	0.20	U	0.20	U	0.20	U	0.20	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18735-2

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 180-59694/6 12/28/2012 23:01		CCB1 180-59694/11 12/28/2012 23:29		CCB5 180-59694/59 12/29/2012 03:26		CCB6 180-59694/71 12/29/2012 04:43	
		Found	C	Found	C	Found	C	Found	C
Aluminum	30	5.0	U	5.0	U	5.0	U	5.0	U
Antimony	2.0	0.90	U	0.90	U	0.90	U	0.90	U
Arsenic	1.0	0.50	U	0.50	U	0.50	U	0.50	U
Barium	10	0.15	U	0.15	U	0.15	U	0.15	U
Beryllium	1.0	0.090	U	0.090	U	0.090	U	0.090	U
Cadmium	1.0	0.30	U	0.30	U	0.30	U	0.30	U
Calcium	100	20	U	20	U	20	U	20	U
Chromium	2.0	1.0	U	1.0	U	1.0	U	1.0	U
Cobalt	0.50	0.050	U	0.050	U	0.050	U	0.050	U
Copper	2.0	0.50	U	0.50	U	0.50	U	0.50	U
Iron	50	20	U	11.5	J	11.0	J	20	U
Lead	1.0	0.30	U	0.30	U	0.30	U	0.30	U
Magnesium	100	22	U	22	U	22	U	22	U
Manganese	5.0	0.30	U	0.30	U	0.30	U	0.251	J
Nickel	1.0	0.35	U	0.35	U	0.35	U	0.35	U
Potassium	100	60	U	60	U	60	U	60	U
Selenium	5.0	1.0	U	1.0	U	1.0	U	1.0	U
Silver	1.0	0.20	U	0.20	U	0.20	U	0.20	U
Sodium	100	55	U	55	U	55	U	55	U
Thallium	1.0	0.20	U	0.20	U	0.20	U	0.20	U
Vanadium	1.0	0.60	U	0.60	U	0.60	U	0.60	U
Zinc	5.0	2.0	U	2.0	U	2.0	U	2.0	U

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Concentration Units: mg/L Lab Sample ID: MB 240-69405/2-A

Instrument Code: I9 Batch No.: 71033

CAS No.	Analyte	Concentration	C	Q	Method
7440-22-4	Silver	0.0050	U		6010_DOD
7440-38-2	Arsenic	0.010	U		6010_DOD
7440-39-3	Barium	0.0050	U		6010_DOD
7440-43-9	Cadmium	0.0010	U		6010_DOD
7440-47-3	Chromium	0.0040	U		6010_DOD
7439-92-1	Lead	0.0050	U		6010_DOD
7782-49-2	Selenium	0.010	U		6010_DOD

3-IN
METHOD BLANK
METALS - TCLP

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Concentration Units: mg/L Lab Sample ID: LB 240-69294/1-D

Instrument Code: I9 Batch No.: 71033

CAS No.	Analyte	Concentration	C	Q	Method
7440-22-4	Silver	0.0050	U		6010_DOD
7440-38-2	Arsenic	0.010	U		6010_DOD
7440-39-3	Barium	0.0050	U		6010_DOD
7440-43-9	Cadmium	0.0010	U		6010_DOD
7440-47-3	Chromium	0.0040	U		6010_DOD
7439-92-1	Lead	0.0050	U		6010_DOD
7782-49-2	Selenium	0.00689	J		6010_DOD

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Concentration Units: mg/L Lab Sample ID: MB 240-69409/2-A

Instrument Code: H4 Batch No.: 69665

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Hg	0.00020	U		7470_DOD

3-IN
METHOD BLANK
METALS - TCLP

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Concentration Units: mg/L Lab Sample ID: LB 240-69294/1-E

Instrument Code: H4 Batch No.: 69665

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Hg	0.00020	U		7470_DOD

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 240-70255/1-A

Instrument Code: H1 Batch No.: 70694

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.20	U		7470_DOD

3-IN
METHOD BLANK
METALS - TOTAL RECOVERABLE

Lab Name: TestAmerica Pittsburgh Job No.: 240-18735-2

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 180-59308/1-A

Instrument Code: M Batch No.: 59694

CAS No.	Analyte	Concentration	C	Q	Method
7440-22-4	Silver	0.20	U		6020_DoD
7429-90-5	Aluminum	6.47	J		6020_DoD
7440-38-2	Arsenic	0.50	U		6020_DoD
7440-39-3	Barium	0.15	U	Q	6020_DoD
7440-41-7	Beryllium	0.090	U		6020_DoD
7440-70-2	Calcium	20	U		6020_DoD
7440-43-9	Cadmium	0.30	U		6020_DoD
7440-47-3	Chromium	1.0	U		6020_DoD
7440-48-4	Cobalt	0.050	U	Q	6020_DoD
7440-50-8	Copper	0.50	U	Q	6020_DoD
7439-89-6	Iron	19.2	J		6020_DoD
7439-95-4	Magnesium	22	U		6020_DoD
7439-96-5	Manganese	0.30	U		6020_DoD
7440-23-5	Sodium	55	U		6020_DoD
7440-02-0	Nickel	0.35	U		6020_DoD
7439-92-1	Lead	0.30	U		6020_DoD
7440-36-0	Antimony	0.90	U		6020_DoD
7440-28-0	Thallium	0.20	U		6020_DoD
7440-62-2	Vanadium	0.60	U		6020_DoD
7440-66-6	Zinc	2.0	U	Q	6020_DoD
7440-09-7	Potassium	60	U		6020_DoD
7782-49-2	Selenium	1.0	U	Q	6020_DoD

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICSA 240-71033/8 Instrument ID: I9

Lab File ID: I9010312A.asc ICS Source: MTTRICSAW_00014

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		**-1.89**	
Barium		**0.395**	
Cadmium		**0.975**	
Chromium		**3.14**	
Lead		**-1.11**	
Selenium		**-2.33**	
Silver		**-0.274**	
Aluminum	*500000*	*518430*	*104*
Antimony		*0.895*	
Beryllium		*-0.862*	
Calcium	*500000*	*494310*	*99*
Cobalt		*-1.50*	
Copper		*-1.76*	
Iron	*200000*	*196170*	*98*
Magnesium	*500000*	*523430*	*105*
Manganese		*1.17*	
Molybdenum		*-1.74*	
Nickel		*2.30*	
Potassium		*-61.8*	
Sodium		*108*	
Thallium		*4.35*	
Vanadium		*-1.29*	
Zinc		*6.29*	

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICSAB 240-71033/9 Instrument ID: I9

Lab File ID: I9010312A.asc ICS Source: MT6500ICSAB2W_00005

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Found Percent Recovery
Arsenic	**1000**	**1022**	**102**
Barium	**500**	**498**	**100**
Cadmium	**1000**	**1031**	**103**
Chromium	**500**	**482**	**96**
Lead	**1000**	**924**	**92**
Selenium	**1000**	**993**	**99**
Silver	**1000**	**1094**	**109**
Aluminum	*500000*	*515020*	*103*
Antimony	*1000*	*1026*	*103*
Beryllium	*500*	*499*	*100*
Calcium	*500000*	*483930*	*97*
Cobalt	*500*	*494*	*99*
Copper	*500*	*537*	*107*
Iron	*200000*	*195870*	*98*
Magnesium	*500000*	*515320*	*103*
Manganese	*500*	*497*	*99*
Molybdenum	*1000*	*991*	*99*
Nickel	*1000*	*988*	*99*
Potassium	*10000*	*10321*	*103*
Sodium	*10000*	*10686*	*107*
Thallium	*1000*	*982*	*98*
Vanadium	*500*	*491*	*98*
Zinc	*1000*	*993*	*99*

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICSA 180-59694/8 Instrument ID: M

Lab File ID: M21228A.xml ICS Source: MICSAX_00023

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	**100000**	**97270**	**97**
Antimony		**0.277**	
Arsenic		**0.322**	
Barium		**0.210**	
Beryllium		**-0.0040**	
Cadmium		**0.218**	
Calcium	**100000**	**98790**	**99**
Chromium		**0.0190**	
Cobalt		**0.135**	
Copper		**1.53**	
Iron	**100000**	**102800**	**103**
Lead		**0.160**	
Magnesium	**100000**	**99060**	**99**
Manganese		**0.282**	
Nickel		**0.215**	
Potassium	**100000**	**98440**	**98**
Selenium		**1.15**	
Silver		**0.0930**	
Sodium	**100000**	**98080**	**98**
Thallium		**-0.0030**	
Vanadium		**-0.358**	
Zinc		**3.61**	
Boron		*0.416*	
Molybdenum	*2000*	*2138*	*107*
Silicon		*29.6*	
Strontium		*4.65*	
Tin		*0.287*	
Titanium	*2000*	*2124*	*106*

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18735-2

SDG No.:

Lab Sample ID: ICSAB 180-59694/9 Instrument ID: M

Lab File ID: M21228A.xml ICS Source: MICSABX_00026

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Found Percent Recovery
Aluminum	**100000**	**94617**	**95**
Antimony	**20.0**	**18.8**	**94**
Arsenic	**20.0**	**20.3**	**101**
Barium	**20.0**	**19.5**	**98**
Beryllium	**20.0**	**18.8**	**94**
Cadmium	**20.0**	**19.4**	**97**
Calcium	**100000**	**96587**	**97**
Chromium	**20.0**	**19.7**	**98**
Cobalt	**20.0**	**19.1**	**95**
Copper	**20.0**	**20.2**	**101**
Iron	**100000**	**98603**	**99**
Lead	**20.0**	**19.9**	**100**
Magnesium	**100000**	**96100**	**96**
Manganese	**22.5**	**20.3**	**90**
Nickel	**20.0**	**18.7**	**93**
Potassium	**100000**	**95383**	**95**
Selenium	**50.0**	**51.5**	**103**
Silver	**20.0**	**18.8**	**94**
Sodium	**100000**	**96977**	**97**
Thallium	**20.0**	**19.7**	**99**
Vanadium	**20.0**	**19.5**	**98**
Zinc	**25.0**	**23.3**	**93**
Boron	*50.0*	*44.9*	*90*
Molybdenum	*2000*	*2062*	*103*
Silicon	*500*	*532*	*106*
Strontium	*20.0*	*23.6*	*118*
Tin	*100*	*94.8*	*95*
Titanium	*2000*	*2071*	*104*

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

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - TCLP

Client ID: 070-0058-0001-IDW MS
Lab ID: 240-18735-5 MS
Lab Name: TestAmerica Canton
Job No.: 240-18735-2
SDG No.:
Matrix: Solid
Concentration Units: mg/L
% Solids:

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Silver	1.02	J	0.0050	U	1.00	102	80-120	D	6010B/DOD
Arsenic	5.19		0.0044	J	5.00	104	80-120	D	6010B/DOD
Barium	49.9	J	0.29	J	50.0	99	80-120	D	6010B/DOD
Cadmium	1.03		0.0016	J	1.00	103	80-120	D	6010B/DOD
Chromium	5.04		0.0024	J	5.00	101	80-120	D	6010B/DOD
Lead	5.05		0.0090	J	5.00	101	80-120	D	6010B/DOD
Selenium	1.03	J	0.0066	J	1.00	103	80-120	D	6010B/DOD
Hg	0.00526		0.00020	U	0.00500	105	50-150		7470A/DOD

SSR = Spiked Sample Result

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

FORM VA - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS - TCLP

Client ID: 070-0058-0001-IDW MSD
Lab ID: 240-18735-5 MSD
Lab Name: TestAmerica Canton
Job No.: 240-18735-2
SDG No.:
Matrix: Solid
Concentration Units: mg/L
% Solids:

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Silver	1.02	J	1.00	102	80-120	1	20	D	6010B/DOD
Arsenic	5.18		5.00	103	80-120	0	20	D	6010B/DOD
Barium	49.6	J	50.0	99	80-120	0	20	D	6010B/DOD
Cadmium	1.03		1.00	102	80-120	0	20	D	6010B/DOD
Chromium	5.06		5.00	101	80-120	1	20	D	6010B/DOD
Lead	5.04		5.00	101	80-120	0	20	D	6010B/DOD
Selenium	1.03	J	1.00	103	80-120	0	20	D	6010B/DOD
Hg	0.00544		0.00500	109	50-150	3	20		7470A/DOD

SDR = Sample Duplicate Result

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

FORM VD - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS - TCLP

Client ID: 070-0058-0001-IDW PDS Lab ID: 240-18735-5 PDS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Solid Concentration Units: mg/L

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Silver	0.111	J	0.0050	U	0.100	111	75-125		6010B/DOD
Arsenic	0.329	J	0.0044	J	0.300	108	75-125		6010B/DOD
Barium	0.340	J	0.29	J	0.0500	102	75-125		6010B/DOD
Cadmium	0.370		0.0016	J	0.350	105	75-125		6010B/DOD
Chromium	0.209	J	0.0024	J	0.200	103	75-125		6010B/DOD
Lead	0.151	J	0.0090	J	0.150	95	75-125		6010B/DOD
Selenium	0.438		0.0066	J	0.400	108	75-125		6010B/DOD

SSR = Spiked Sample Result

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

FORM VB - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 240-69405/3-A

Lab Name: TestAmerica Canton Job No.: 240-18735-2

Sample Matrix: Water LCS Source: MTAGSPIKEW_00024

Analyte	Water(mg/L)							
	True	Found	C	%R	Limits		Q	Method
Silver	0.0500	0.0505	J	101	80	120		6010B/DOD
Arsenic	2.00	2.10		105	80	120		6010B/DOD
Barium	2.00	1.95	J	98	80	120		6010B/DOD
Cadmium	0.0500	0.0499	J	100	80	120		6010B/DOD
Chromium	0.200	0.199	J	100	80	120		6010B/DOD
Lead	0.500	0.469	J	94	80	120		6010B/DOD
Selenium	2.00	2.07		104	80	120		6010B/DOD

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 240-69409/3-A

Lab Name: TestAmerica Canton Job No.: 240-18735-2

Sample Matrix: Water LCS Source: MTHGICVW_00453

Analyte	Water(mg/L)							
	True	Found	C	%R	Limits		Q	Method
Hg	0.00500	0.00579		116	50	150		7470A/DOD

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 240-70255/2-A

Lab Name: TestAmerica Canton Job No.: 240-18735-2

Sample Matrix: Water LCS Source: MTHGICVW_00456

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	5.00	4.89		98	80	120		7470A/DOD

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS - TOTAL RECOVERABLE

Lab ID: LCS 180-59308/2-A

Lab Name: TestAmerica Pittsburgh Job No.: 240-18735-2

Sample Matrix: Water LCS Source: MTAPITTICPMS_00010

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Silver	50.0	45.9		92	80	120		6020/DOD
Aluminum	2000	1830		92	80	120		6020/DOD
Arsenic	40.0	37.4		93	80	120		6020/DOD
Barium	2000	1760		88	80	120	Q	6020/DOD
Beryllium	50.0	44.7		89	80	120		6020/DOD
Calcium	50000	47000		94	80	120		6020/DOD
Cadmium	50.0	46.3		93	80	120		6020/DOD
Chromium	200	182		91	80	120		6020/DOD
Cobalt	500	445		89	80	120	Q	6020/DOD
Copper	250	230		92	80	120	Q	6020/DOD
Iron	1000	989		99	80	120		6020/DOD
Magnesium	50000	44900		90	80	120		6020/DOD
Manganese	500	460		92	80	120		6020/DOD
Sodium	50000	41900		84	80	120		6020/DOD
Nickel	500	448		90	80	120		6020/DOD
Lead	20.0	17.6		88	80	120		6020/DOD
Antimony	500	442		88	80	120		6020/DOD
Thallium	50.0	43.0		86	80	120		6020/DOD
Vanadium	500	460		92	80	120		6020/DOD
Zinc	500	464		93	80	120	Q	6020/DOD
Potassium	50000	45700		91	80	120		6020/DOD
Selenium	10.0	10.2		102	80	120	Q	6020/DOD

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

FORM VIIA - IN

7D-IN
LAB CONTROL SAMPLE DUPLICATE
METALS - TOTAL RECOVERABLE

Lab ID: LCSD 180-59308/3-A

Lab Name: TestAmerica Pittsburgh Job No.: 240-18735-2

Sample Matrix: Water LCS Source: MTAPITTICPMS_00010

Analyte	(SDR)	C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Silver	46.3		50.0	93	80-120	1	20		6020/DOD
Aluminum	1820		2000	91	80-120	1	20		6020/DOD
Arsenic	36.9		40.0	92	80-120	1	20		6020/DOD
Barium	1770		2000	88	80-120	0	20	Q	6020/DOD
Beryllium	44.5		50.0	89	80-120	0	20		6020/DOD
Calcium	47300		50000	95	80-120	1	20		6020/DOD
Cadmium	46.2		50.0	92	80-120	0	20		6020/DOD
Chromium	184		200	92	80-120	1	20		6020/DOD
Cobalt	452		500	90	80-120	2	20	Q	6020/DOD
Copper	233		250	93	80-120	1	20	Q	6020/DOD
Iron	997		1000	100	80-120	1	20		6020/DOD
Magnesium	45500		50000	91	80-120	1	20		6020/DOD
Manganese	463		500	93	80-120	1	20		6020/DOD
Sodium	43200		50000	86	80-120	3	20		6020/DOD
Nickel	456		500	91	80-120	2	20		6020/DOD
Lead	17.9		20.0	89	80-120	2	20		6020/DOD
Antimony	438		500	88	80-120	1	20		6020/DOD
Thallium	43.7		50.0	87	80-120	2	20		6020/DOD
Vanadium	464		500	93	80-120	1	20		6020/DOD
Zinc	463		500	93	80-120	0	20	Q	6020/DOD
Potassium	46300		50000	93	80-120	1	20		6020/DOD
Selenium	10.1		10.0	101	80-120	1	20	Q	6020/DOD

SDR = Spike Duplicate Results
Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS - TCLP

Lab ID: 240-18735-5

SDG No:

Lab Name: TestAmerica Canton Job No: 240-18735-2

Matrix: Solid Concentration Units: mg/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Silver	0.0050	U	0.025	U	NC		6010B/DOD
Arsenic	0.0044	J	0.050	U	NC		6010B/DOD
Barium	0.29	J	0.289	J	NC	D	6010B/DOD
Cadmium	0.0016	J	0.0050	U	NC		6010B/DOD
Chromium	0.0024	J	0.020	U	NC		6010B/DOD
Lead	0.0090	J	0.025	U	NC		6010B/DOD
Selenium	0.0066	J	0.050	U	NC		6010B/DOD

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

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Canton Job Number: 240-18735-2

SDG Number:

Matrix: Solid Instrument ID: I9

Method: 6010B/DOD DL Date: 02/22/2010 10:09

Prep Method: 3010A

Leach Method: 1311

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (ug/L)
Arsenic	189.042	0.5	3.28
Barium	493.409	10	2.75
Cadmium	226.502	0.1	0.39
Chromium	267.716	0.5	1.39
Lead	220.353	0.5	1.72
Selenium	196.026	0.25	3.97
Silver	328.068	0.5	1.74

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Canton Job Number: 240-18735-2

SDG Number:

Matrix: Solid Instrument ID: I9

Method: 6010B/DOD XMDL Date: 02/22/2010 10:10

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Arsenic	189.042	10	3.28
Barium	493.409	10000	2.75
Cadmium	226.502	2	0.29
Chromium	267.716	5	1.39
Lead	220.353	5	1.72
Selenium	196.026	10	3.97
Silver	328.068	5	1.5

9-IN
DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Canton Job Number: 240-18735-2

SDG Number:

Matrix: Water Instrument ID: I9

Method: 6010B/DOD DL Date: 02/22/2010 10:09

Prep Method: 3010A

Leach Method: 1311

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (ug/L)
Arsenic	189.042	0.5	3.28
Barium	493.409	10	2.75
Cadmium	226.502	0.1	0.39
Chromium	267.716	0.5	1.39
Lead	220.353	0.5	1.72
Selenium	196.026	0.25	3.97
Silver	328.068	0.5	1.74

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Canton Job Number: 240-18735-2

SDG Number:

Matrix: Water Instrument ID: I9

Method: 6010B/DOD XMDL Date: 02/22/2010 10:10

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Arsenic	189.042	10	3.28
Barium	493.409	10000	2.75
Cadmium	226.502	2	0.29
Chromium	267.716	5	1.39
Lead	220.353	5	1.72
Selenium	196.026	10	3.97
Silver	328.068	5	1.5

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Canton Job Number: 240-18735-2

SDG Number:

Matrix: Water Instrument ID: H1

Method: 7470A/DOD DL Date: 02/16/2010 09:31

Prep Method: 7470A

Analyte	Wavelength/ Mass	LOQ (ug/L)	DL (ug/L)
Mercury	253.7	0.2	0.12

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Canton Job Number: 240-18735-2

SDG Number:

Matrix: Water Instrument ID: H1

Method: 7470A/DOD XMDL Date: 02/16/2010 09:31

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury	253.7	0.2	0.12

9-IN
DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Canton Job Number: 240-18735-2

SDG Number:

Matrix: Solid Instrument ID: H4

Method: 7470A/DOD DL Date: 02/16/2010 09:13

Prep Method: 7470A

Leach Method: 1311

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Hg	253.7	0.002	0.00012

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Canton Job Number: 240-18735-2

SDG Number:

Matrix: Solid Instrument ID: H4

Method: 7470A/DOD XMDL Date: 02/16/2010 09:13

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Hg	253.7	0.2	0.12

9-IN
DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Canton Job Number: 240-18735-2

SDG Number:

Matrix: Water Instrument ID: H4

Method: 7470A/DOD DL Date: 02/16/2010 09:13

Prep Method: 7470A

Leach Method: 1311

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Hg	253.7	0.002	0.00012

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Canton Job Number: 240-18735-2

SDG Number:

Matrix: Water Instrument ID: H4

Method: 7470A/DOD XMDL Date: 02/16/2010 09:13

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Hg	253.7	0.2	0.12

9-IN
DETECTION LIMITS
METALS - TOTAL RECOVERABLE

Lab Name: TestAmerica Pittsburgh Job Number: 240-18735-2

SDG Number:

Matrix: Water Instrument ID: M

Method: 6020/DOD DL Date: 01/26/2010 16:35

Prep Method: 3005A

Analyte	Wavelength/ Mass	LOQ (ug/L)	DL (ug/L)
Aluminum	27	30	2.5662
Antimony	121	2	0.459
Arsenic	75	1	0.2908
Barium	137	10	0.098
Beryllium	9	1	0.0451
Cadmium	111	1	0.132
Calcium	44	100	9.357
Chromium	52	2	0.5433
Cobalt	59	0.5	0.0263
Copper	65	2	0.2443
Iron	56	50	10.77
Lead	208	1	0.154
Magnesium	26	100	10.8
Manganese	55	5	0.159
Nickel	60	1	0.1749
Potassium	39	100	31.6
Selenium	82	5	0.509
Silver	107	1	0.114
Sodium	23	100	26.8
Thallium	205	1	0.102
Vanadium	51	1	0.299
Zinc	66	5	0.9609

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TOTAL RECOVERABLE

Lab Name: TestAmerica Pittsburgh Job Number: 240-18735-2

SDG Number:

Matrix: Water Instrument ID: M

Method: 6020/DOD XMDL Date: 01/26/2010 16:35

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Aluminum	27	30	2.5662
Antimony	121	2	0.459
Arsenic	75	1	0.2908
Barium	137	10	0.098
Beryllium	9	1	0.0451
Cadmium	111	1	0.132
Calcium	44	100	9.357
Chromium	52	2	0.5433
Cobalt	59	0.5	0.0263
Copper	65	2	0.2443
Iron	56	50	10.77
Lead	208	1	0.154
Magnesium	26	100	10.8
Manganese	55	5	0.159
Nickel	60	1	0.1749
Potassium	39	100	31.6
Selenium	82	5	0.509
Silver	107	1	0.114
Sodium	23	100	26.8
Thallium	205	1	0.102
Vanadium	51	1	0.299
Zinc	66	5	0.9609

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Canton Job No: 240-18735-2

SDG No.:

Instrument ID: I9 Date: 10/16/2012 17:26

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Silver		2000	6010B/DOD
Arsenic		5000	6010B/DOD
Barium		25000	6010B/DOD
Cadmium		2000	6010B/DOD
Chromium		20000	6010B/DOD
Lead		15000	6010B/DOD
Selenium		10000	6010B/DOD

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Canton Job No: 240-18735-2

SDG No.:

Instrument ID: H1 Date: 04/01/2011 10:45

Analyte	Integ. Time (Sec.)	Concentration (ppb)	Method
Mercury		10	7470A/DOD

FORM XI - IN

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Canton Job No: 240-18735-2

SDG No.:

Instrument ID: H4 Date: 04/01/2011 10:50

Analyte	Integ. Time (Sec.)	Concentration (ppb)	Method
Hg		10	7470A/DOD

FORM XI - IN

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Pittsburgh Job No: 240-18735-2

SDG No.:

Instrument ID: M Date: 03/14/2011 22:35

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Silver		2500	6020/DOD
Aluminum		450000	6020/DOD
Arsenic		4500	6020/DOD
Barium		13500	6020/DOD
Beryllium		9000	6020/DOD
Calcium		1500000	6020/DOD
Cadmium		13500	6020/DOD
Chromium		13500	6020/DOD
Cobalt		13500	6020/DOD
Copper		20000	6020/DOD
Iron		450000	6020/DOD
Magnesium		1500000	6020/DOD
Manganese		25000	6020/DOD
Sodium		450000	6020/DOD
Nickel		13500	6020/DOD
Lead		20000	6020/DOD
Antimony		13500	6020/DOD
Thallium		13500	6020/DOD
Vanadium		13500	6020/DOD
Zinc		25000	6020/DOD
Potassium		450000	6020/DOD
Selenium		4500	6020/DOD

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
LB 240-69294/1-D	12/19/2012 12:05	69405		50	50
MB 240-69405/2-A	12/19/2012 12:05	69405		50	50
LCS 240-69405/3-A	12/19/2012 12:05	69405		50	50
240-18735-5	12/19/2012 12:05	69405		50	50
240-18735-5 MS	12/19/2012 12:05	69405		50	50
240-18735-5 MSD	12/19/2012 12:05	69405		50	50
240-18735-6	12/19/2012 12:05	69405		12.5	50

FORM XII-IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
LB 240-69294/1-E	12/20/2012 11:20	69409		100	100
MB 240-69409/2-A	12/20/2012 11:20	69409		100	100
LCS 240-69409/3-A	12/20/2012 11:20	69409		100	100
240-18735-5	12/20/2012 11:20	69409		100	100
240-18735-5 MS	12/20/2012 11:20	69409		100	100
240-18735-5 MSD	12/20/2012 11:20	69409		100	100
240-18735-6	12/20/2012 11:20	69409		100	100

FORM XII-IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 240-70255/1-A	12/27/2012 16:00	70255		100	100
LCS 240-70255/2-A	12/27/2012 16:00	70255		100	100
240-18735-3	12/27/2012 16:00	70255		100	100
240-18735-4	12/27/2012 16:00	70255		100	100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18735-2

SDG No.:

Prep Method: 3005A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 180-59308/1-A	12/24/2012 10:24	59308		50	50
LCS 180-59308/2-A	12/24/2012 10:24	59308		50	50
LCSD 180-59308/3-A	12/24/2012 10:24	59308		50	50
240-18735-3	12/24/2012 10:24	59308		50	50
240-18735-4	12/24/2012 10:24	59308		50	50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: I9 Method: 6010B/DOD

Start Date: 01/03/2013 11:25 End Date: 01/03/2013 22:19

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ICIS 240-71033/1	1		11:25	X	X	X	X	X	X	X													
CALSTD 240-71033/2 IC			11:29	X	X	X	X	X	X	X													
CALSTD 240-71033/3 IC			11:33	X	X	X	X	X	X	X													
ICV 240-71033/4	1		11:37	X	X	X	X	X	X	X													
ICB 240-71033/5	1		11:41	X	X	X	X	X	X	X													
CRI 240-71033/6	1		11:45	X	X	X	X	X	X	X													
ZZZZZZ			11:49																				
ICSA 240-71033/8	1		11:53	X	X	X	X	X	X	X													
ICSAB 240-71033/9	1		11:57	X	X	X	X	X	X	X													
CCV 240-71033/10			12:01																				
CCB 240-71033/11			12:05																				
ZZZZZZ			12:09																				
ZZZZZZ			12:13																				
ZZZZZZ			12:17																				
ZZZZZZ			12:21																				
ZZZZZZ			12:25																				
ZZZZZZ			12:29																				
CCV 240-71033/18	1		12:33	X	X	X	X	X	X	X													
CCB 240-71033/19	1		12:36	X	X	X	X	X	X	X													
LB 240-69294/1-D	1	P	12:40	X	X	X	X	X	X	X													
MB 240-69405/2-A	1	T	12:45	X	X	X	X	X	X	X													
LCS 240-69405/3-A	1	T	12:49	X	X	X	X	X	X	X													
240-18735-5	1	P	12:52	X	X	X	X	X	X	X													
240-18735-5 SD	5	P	12:57	X	X	X	X	X	X	X													
ZZZZZZ			13:01																				
ZZZZZZ			13:05																				
240-18735-5 MS	5	P	13:11	X	X	X	X	X	X	X													
240-18735-5 MSD	5	P	13:15	X	X	X	X	X	X	X													
240-18735-5 PDS	1	P	13:32	X	X	X	X	X	X	X													
CCV 240-71033/30	1		13:37	X	X	X	X	X	X	X													
CCB 240-71033/31	1		13:40	X	X	X	X	X	X	X													
240-18735-6	1	P	13:44	X	X	X	X	X	X	X													
ZZZZZZ			13:48																				
ZZZZZZ			13:52																				
ZZZZZZ			13:56																				
ZZZZZZ			14:05																				
CCV 240-71033/37	1		14:09	X	X	X	X	X	X	X													
CCB 240-71033/38	1		14:13	X	X	X	X	X	X	X													
CRI 240-71033/39	1		14:17	X	X	X	X	X	X	X													
ZZZZZZ			14:21																				
ZZZZZZ			14:25																				
CCV 240-71033/42			14:29																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: I9 Method: 6010B/DOD

Start Date: 01/03/2013 11:25 End Date: 01/03/2013 22:19

Lab Sample ID	D / F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
CCB 240-71033/43			14:49																				
ZZZZZZ			14:53																				
ZZZZZZ			15:58																				
ZZZZZZ			16:02																				
ZZZZZZ			16:06																				
ZZZZZZ			16:10																				
ZZZZZZ			16:14																				
ZZZZZZ			16:18																				
ZZZZZZ			16:22																				
ZZZZZZ			16:26																				
ZZZZZZ			16:30																				
CCV 240-71033/54			16:33																				
CCB 240-71033/55			16:37																				
ZZZZZZ			16:41																				
ZZZZZZ			16:45																				
ZZZZZZ			16:49																				
ZZZZZZ			16:53																				
ZZZZZZ			16:56																				
ZZZZZZ			17:00																				
ZZZZZZ			17:04																				
ZZZZZZ			17:08																				
ZZZZZZ			17:12																				
ZZZZZZ			17:16																				
CCV 240-71033/66			17:20																				
CCB 240-71033/67			17:23																				
ZZZZZZ			17:27																				
ZZZZZZ			17:31																				
ZZZZZZ			17:35																				
ZZZZZZ			17:39																				
ZZZZZZ			17:43																				
ZZZZZZ			17:48																				
ZZZZZZ			17:52																				
ZZZZZZ			17:56																				
ZZZZZZ			17:59																				
ZZZZZZ			18:03																				
CCV 240-71033/78			18:07																				
CCB 240-71033/79			18:11																				
ZZZZZZ			18:15																				
ZZZZZZ			18:19																				
ZZZZZZ			18:23																				
ZZZZZZ			18:27																				
ZZZZZZ			18:31																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: I9 Method: 6010B/DOD

Start Date: 01/03/2013 11:25 End Date: 01/03/2013 22:19

Lab Sample ID	D / F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ZZZZZZ			18:35																				
ZZZZZZ			18:38																				
ZZZZZZ			18:42																				
ZZZZZZ			18:46																				
ZZZZZZ			18:50																				
CCV 240-71033/90			18:54																				
CCB 240-71033/91			18:58																				
ZZZZZZ			19:02																				
ZZZZZZ			19:06																				
ZZZZZZ			19:10																				
ZZZZZZ			19:14																				
ZZZZZZ			19:18																				
ZZZZZZ			19:21																				
ZZZZZZ			19:25																				
ZZZZZZ			19:29																				
ZZZZZZ			19:33																				
ZZZZZZ			19:37																				
CCV 240-71033/102			19:41																				
CCB 240-71033/103			19:45																				
ZZZZZZ			19:49																				
ZZZZZZ			19:53																				
ZZZZZZ			19:57																				
ZZZZZZ			20:01																				
ZZZZZZ			20:05																				
ZZZZZZ			20:09																				
ZZZZZZ			20:13																				
ZZZZZZ			20:17																				
ZZZZZZ			20:21																				
ZZZZZZ			20:25																				
CCV 240-71033/114			20:29																				
CCB 240-71033/115			20:33																				
ZZZZZZ			20:36																				
ZZZZZZ			20:40																				
ZZZZZZ			20:44																				
ZZZZZZ			20:48																				
ZZZZZZ			20:52																				
ZZZZZZ			20:56																				
ZZZZZZ			21:00																				
ZZZZZZ			21:04																				
ZZZZZZ			21:08																				
ZZZZZZ			21:12																				
CCV 240-71033/126			21:16																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: I9 Method: 6010B/DOD

Start Date: 01/03/2013 11:25 End Date: 01/03/2013 22:19

Lab Sample ID	D / F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
CCB 240-71033/127			21:20																				
ZZZZZZ			21:24																				
ZZZZZZ			21:28																				
ZZZZZZ			21:32																				
ZZZZZZ			21:36																				
ZZZZZZ			21:40																				
ZZZZZZ			21:44																				
ZZZZZZ			21:48																				
ZZZZZZ			21:52																				
ZZZZZZ			21:56																				
ZZZZZZ			22:00																				
CCV 240-71033/138			22:04																				
CCB 240-71033/139			22:08																				
ZZZZZZ			22:12																				
CCV 240-71033/141			22:16																				
CCB 240-71033/142			22:19																				

Prep Types

P = TCLP

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: H1 Method: 7470A/DOD

Start Date: 12/29/2012 10:42 End Date: 12/29/2012 15:44

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
IC 240-70435/1-A			10:42	X																			
IC 240-70435/2-A			10:44	X																			
IC 240-70435/3-A			10:45	X																			
IC 240-70435/4-A			10:47	X																			
IC 240-70435/5-A			10:49	X																			
IC 240-70435/6-A			10:50	X																			
ICV 240-70435/7-A	1		10:52	X																			
ICB 240-70435/8-A	1		10:53	X																			
CRA 240-70435/9-A	1		10:55	X																			
CCVL 240-70435/10-A	1		11:56	X																			
CCB 240-70435/12-A	1		11:57	X																			
MB 240-70255/1-A	1	T	11:59	X																			
LCS 240-70255/2-A	1	T	12:00	X																			
ZZZZZZ			12:02																				
ZZZZZZ			12:03																				
ZZZZZZ			12:05																				
ZZZZZZ			12:06																				
240-18735-4	1	T	12:08	X																			
240-18735-3	1	T	12:10	X																			
CRA 240-70435/9-A	1		12:12	X																			
ZZZZZZ			12:13																				
CCV 240-70435/11-A	1		12:14	X																			
CCB 240-70435/12-A	1		12:16	X																			
ZZZZZZ			12:17																				
ZZZZZZ			12:19																				
ZZZZZZ			12:20																				
ZZZZZZ			12:21																				
ZZZZZZ			12:23																				
ZZZZZZ			12:24																				
ZZZZZZ			12:26																				
ZZZZZZ			12:28																				
ZZZZZZ			12:30																				
ZZZZZZ			12:31																				
CCV 240-70435/11-A			12:33																				
CCB 240-70435/12-A			12:34																				
ZZZZZZ			12:36																				
ZZZZZZ			12:37																				
ZZZZZZ			12:39																				
ZZZZZZ			12:41																				
ZZZZZZ			12:42																				
ZZZZZZ			12:44																				
ZZZZZZ			12:45																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: H1 Method: 7470A/DOD

Start Date: 12/29/2012 10:42 End Date: 12/29/2012 15:44

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			12:47																				
ZZZZZZ			12:49																				
ZZZZZZ			12:51																				
CCV 240-70435/11-A			12:52																				
CCB 240-70435/12-A			12:54																				
ZZZZZZ			12:55																				
ZZZZZZ			12:57																				
ZZZZZZ			12:59																				
ZZZZZZ			13:00																				
ZZZZZZ			13:01																				
ZZZZZZ			13:03																				
ZZZZZZ			13:04																				
ZZZZZZ			13:06																				
ZZZZZZ			13:07																				
ZZZZZZ			13:09																				
CCV 240-70435/11-A			13:10																				
CCB 240-70435/12-A			13:12																				
CCV 240-70435/11-A			13:14																				
CCB 240-70435/12-A			13:16																				
ZZZZZZ			13:17																				
ZZZZZZ			13:18																				
ZZZZZZ			13:20																				
ZZZZZZ			13:21																				
ZZZZZZ			13:23																				
ZZZZZZ			13:24																				
ZZZZZZ			13:26																				
ZZZZZZ			13:28																				
ZZZZZZ			13:29																				
ZZZZZZ			13:31																				
CCV 240-70435/11-A			13:32																				
CCB 240-70435/12-A			13:33																				
ZZZZZZ			13:36																				
ZZZZZZ			13:37																				
ZZZZZZ			13:39																				
ZZZZZZ			13:40																				
ZZZZZZ			13:42																				
ZZZZZZ			13:44																				
ZZZZZZ			13:45																				
ZZZZZZ			13:47																				
ZZZZZZ			13:48																				
ZZZZZZ			13:50																				
CCV 240-70435/11-A			13:51																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: H1 Method: 7470A/DOD

Start Date: 12/29/2012 10:42 End Date: 12/29/2012 15:44

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
CCB 240-70435/12-A			13:53																				
ZZZZZZ			13:54																				
ZZZZZZ			13:56																				
ZZZZZZ			13:58																				
ZZZZZZ			13:59																				
ZZZZZZ			14:01																				
ZZZZZZ			14:03																				
ZZZZZZ			14:04																				
CRA 240-70435/9-A			14:06																				
CCV 240-70435/11-A			14:07																				
CCB 240-70435/12-A			14:08																				
CCV 240-70435/11-A			14:10																				
CCB 240-70435/12-A			14:11																				
ZZZZZZ			14:13																				
ZZZZZZ			14:14																				
ZZZZZZ			14:16																				
ZZZZZZ			14:17																				
ZZZZZZ			14:19																				
ZZZZZZ			14:20																				
ZZZZZZ			14:21																				
ZZZZZZ			14:23																				
ZZZZZZ			14:24																				
ZZZZZZ			14:25																				
CCV 240-70435/11-A			14:27																				
CCB 240-70435/12-A			14:29																				
ZZZZZZ			14:30																				
ZZZZZZ			14:32																				
ZZZZZZ			14:33																				
ZZZZZZ			14:35																				
ZZZZZZ			14:37																				
ZZZZZZ			14:38																				
ZZZZZZ			14:40																				
ZZZZZZ			14:41																				
ZZZZZZ			14:42																				
ZZZZZZ			14:44																				
CCV 240-70435/11-A			14:45																				
CCB 240-70435/12-A			14:47																				
ZZZZZZ			14:48																				
ZZZZZZ			14:49																				
ZZZZZZ			14:51																				
ZZZZZZ			14:53																				
ZZZZZZ			14:54																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: H1 Method: 7470A/DOD

Start Date: 12/29/2012 10:42 End Date: 12/29/2012 15:44

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			14:56																				
ZZZZZZ			14:57																				
ZZZZZZ			14:58																				
ZZZZZZ			15:00																				
ZZZZZZ			15:02																				
CCV 240-70435/11-A			15:03																				
CCB 240-70435/12-A			15:04																				
ZZZZZZ			15:06																				
ZZZZZZ			15:07																				
ZZZZZZ			15:09																				
ZZZZZZ			15:11																				
ZZZZZZ			15:12																				
ZZZZZZ			15:13																				
ZZZZZZ			15:14																				
ZZZZZZ			15:16																				
ZZZZZZ			15:17																				
ZZZZZZ			15:19																				
CCV 240-70435/11-A			15:21																				
CCB 240-70435/12-A			15:22																				
ZZZZZZ			15:24																				
ZZZZZZ			15:25																				
ZZZZZZ			15:26																				
ZZZZZZ			15:28																				
ZZZZZZ			15:30																				
ZZZZZZ			15:31																				
ZZZZZZ			15:32																				
ZZZZZZ			15:34																				
ZZZZZZ			15:35																				
ZZZZZZ			15:37																				
CCV 240-70435/11-A			15:38																				
CCB 240-70435/12-A			15:39																				
ZZZZZZ			15:41																				
CCV 240-70435/11-A			15:43																				
CCB 240-70435/12-A			15:44																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: H4 Method: 7470A/DOD

Start Date: 12/20/2012 09:06 End Date: 12/20/2012 19:45

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
IC 240-69493/1-A			09:06	X																			
IC 240-69493/2-A			09:09	X																			
IC 240-69493/3-A			09:11	X																			
IC 240-69493/4-A			09:12	X																			
IC 240-69493/5-A			09:15	X																			
IC 240-69493/6-A			09:18	X																			
ICV 240-69493/7-A	1		09:20	X																			
ICB 240-69493/8-A	1		09:22	X																			
CRA 240-69493/9-A	1		09:24	X																			
CCVL 240-69493/10-A	1		11:26	X																			
CCB 240-69493/12-A			11:29																				
ZZZZZZ			11:31																				
ZZZZZZ			11:33																				
ZZZZZZ			11:35																				
ZZZZZZ			11:38																				
ZZZZZZ			11:41																				
ZZZZZZ			11:43																				
ZZZZZZ			11:45																				
ZZZZZZ			11:47																				
ZZZZZZ			11:49																				
ZZZZZZ			11:51																				
CCV 240-69493/11-A			11:54																				
CCB 240-69493/12-A			11:56																				
ZZZZZZ			11:58																				
ZZZZZZ			12:00																				
ZZZZZZ			12:02																				
ZZZZZZ			12:03																				
ZZZZZZ			12:05																				
ZZZZZZ			12:07																				
ZZZZZZ			12:09																				
ZZZZZZ			12:11																				
ZZZZZZ			12:13																				
ZZZZZZ			12:15																				
CCV 240-69493/11-A			12:17																				
CCB 240-69493/12-A			12:19																				
ZZZZZZ			12:21																				
ZZZZZZ			12:23																				
ZZZZZZ			12:25																				
ZZZZZZ			12:27																				
ZZZZZZ			12:29																				
ZZZZZZ			12:32																				
ZZZZZZ			12:34																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: H4 Method: 7470A/DOD

Start Date: 12/20/2012 09:06 End Date: 12/20/2012 19:45

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			12:36																				
ZZZZZZ			12:38																				
ZZZZZZ			12:40																				
CCV 240-69493/11-A			12:41																				
CCB 240-69493/12-A			12:44																				
ZZZZZZ			12:46																				
ZZZZZZ			12:47																				
ZZZZZZ			12:50																				
ZZZZZZ			12:52																				
ZZZZZZ			12:54																				
ZZZZZZ			12:56																				
ZZZZZZ			12:58																				
ZZZZZZ			13:00																				
ZZZZZZ			13:01																				
ZZZZZZ			13:04																				
CCV 240-69493/11-A			13:06																				
CCB 240-69493/12-A			13:08																				
ZZZZZZ			13:10																				
ZZZZZZ			13:12																				
ZZZZZZ			13:14																				
ZZZZZZ			13:16																				
ZZZZZZ			13:18																				
ZZZZZZ			13:21																				
ZZZZZZ			13:23																				
ZZZZZZ			13:25																				
ZZZZZZ			13:26																				
ZZZZZZ			13:28																				
CCV 240-69493/11-A			13:31																				
CCB 240-69493/12-A			13:33																				
ZZZZZZ			13:34																				
ZZZZZZ			13:36																				
ZZZZZZ			13:38																				
ZZZZZZ			13:40																				
ZZZZZZ			13:42																				
ZZZZZZ			13:44																				
ZZZZZZ			13:46																				
ZZZZZZ			13:48																				
ZZZZZZ			13:50																				
ZZZZZZ			13:52																				
CCV 240-69493/11-A			13:54																				
CCB 240-69493/12-A			13:56																				
ZZZZZZ			13:58																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: H4 Method: 7470A/DOD

Start Date: 12/20/2012 09:06 End Date: 12/20/2012 19:45

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			14:00																				
ZZZZZZ			14:02																				
ZZZZZZ			14:04																				
ZZZZZZ			14:06																				
ZZZZZZ			14:08																				
ZZZZZZ			14:10																				
ZZZZZZ			14:12																				
ZZZZZZ			14:14																				
ZZZZZZ			14:17																				
CCV 240-69493/11-A	1		14:22	X																			
CCB 240-69493/12-A	1		14:24	X																			
ZZZZZZ			14:27																				
ZZZZZZ			14:29																				
ZZZZZZ			14:31																				
ZZZZZZ			14:33																				
ZZZZZZ			14:35																				
ZZZZZZ			14:37																				
ZZZZZZ			14:39																				
ZZZZZZ			14:41																				
LB 240-69294/1-E	1	P	14:43	X																			
MB 240-69409/2-A	1	T	14:45	X																			
CCV 240-69493/11-A	1		14:48	X																			
CCB 240-69493/12-A	1		14:50	X																			
LCS 240-69409/3-A	1	T	14:52	X																			
240-18735-5	1	P	14:54	X																			
240-18735-5 MS	1	P	14:56	X																			
240-18735-5 MSD	1	P	14:57	X																			
240-18735-6	1	P	15:00	X																			
CRA 240-69493/9-A	1		15:01	X																			
CCV 240-69493/11-A	1		15:04	X																			
CCB 240-69493/12-A	1		15:06	X																			
CCV 240-69493/11-A			15:34																				
CCB 240-69493/12-A			15:36																				
ZZZZZZ			15:39																				
ZZZZZZ			15:40																				
ZZZZZZ			15:43																				
ZZZZZZ			15:45																				
ZZZZZZ			15:46																				
ZZZZZZ			15:49																				
ZZZZZZ			15:51																				
ZZZZZZ			15:52																				
CCV 240-69493/11-A			15:59																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: H4 Method: 7470A/DOD

Start Date: 12/20/2012 09:06 End Date: 12/20/2012 19:45

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
CCB 240-69493/12-A			16:01																				
ZZZZZZ			16:03																				
ZZZZZZ			16:04																				
ZZZZZZ			16:06																				
ZZZZZZ			16:09																				
ZZZZZZ			16:11																				
ZZZZZZ			16:13																				
ZZZZZZ			16:15																				
ZZZZZZ			16:17																				
ZZZZZZ			16:19																				
ZZZZZZ			16:21																				
CCV 240-69493/11-A			16:24																				
CCB 240-69493/12-A			16:26																				
ZZZZZZ			16:28																				
ZZZZZZ			16:30																				
ZZZZZZ			16:32																				
ZZZZZZ			16:34																				
ZZZZZZ			16:36																				
ZZZZZZ			16:38																				
ZZZZZZ			16:40																				
ZZZZZZ			16:42																				
ZZZZZZ			16:44																				
ZZZZZZ			16:46																				
CCV 240-69493/11-A			16:48																				
CCB 240-69493/12-A			16:50																				
ZZZZZZ			16:51																				
ZZZZZZ			16:54																				
ZZZZZZ			16:55																				
ZZZZZZ			16:57																				
ZZZZZZ			16:59																				
ZZZZZZ			17:01																				
ZZZZZZ			17:04																				
ZZZZZZ			17:06																				
ZZZZZZ			17:08																				
ZZZZZZ			17:10																				
CCV 240-69493/11-A			17:12																				
CCB 240-69493/12-A			17:15																				
ZZZZZZ			17:17																				
ZZZZZZ			17:19																				
ZZZZZZ			17:21																				
ZZZZZZ			17:24																				
ZZZZZZ			17:26																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: H4 Method: 7470A/DOD

Start Date: 12/20/2012 09:06 End Date: 12/20/2012 19:45

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			17:28																				
ZZZZZZ			17:30																				
ZZZZZZ			17:32																				
ZZZZZZ			17:35																				
ZZZZZZ			17:37																				
CCV 240-69493/11-A			17:39																				
CCB 240-69493/12-A			17:41																				
ZZZZZZ			17:43																				
ZZZZZZ			17:46																				
ZZZZZZ			17:48																				
ZZZZZZ			17:50																				
ZZZZZZ			17:52																				
ZZZZZZ			17:54																				
ZZZZZZ			17:56																				
ZZZZZZ			17:57																				
ZZZZZZ			18:00																				
ZZZZZZ			18:02																				
CCV 240-69493/11-A			18:04																				
CCB 240-69493/12-A			18:06																				
ZZZZZZ			18:08																				
ZZZZZZ			18:10																				
ZZZZZZ			18:12																				
ZZZZZZ			18:14																				
ZZZZZZ			18:16																				
ZZZZZZ			18:18																				
ZZZZZZ			18:20																				
ZZZZZZ			18:22																				
ZZZZZZ			18:25																				
ZZZZZZ			18:27																				
CCV 240-69493/11-A			18:29																				
CCB 240-69493/12-A			18:31																				
ZZZZZZ			18:33																				
ZZZZZZ			18:35																				
ZZZZZZ			18:38																				
ZZZZZZ			18:39																				
ZZZZZZ			18:41																				
ZZZZZZ			18:45																				
ZZZZZZ			18:47																				
ZZZZZZ			18:49																				
ZZZZZZ			18:51																				
ZZZZZZ			18:53																				
CCV 240-69493/11-A			18:55																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: H4 Method: 7470A/DOD

Start Date: 12/20/2012 09:06 End Date: 12/20/2012 19:45

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
CCB 240-69493/12-A			18:57																				
ZZZZZZ			18:59																				
ZZZZZZ			19:01																				
ZZZZZZ			19:03																				
ZZZZZZ			19:05																				
ZZZZZZ			19:07																				
ZZZZZZ			19:09																				
ZZZZZZ			19:11																				
ZZZZZZ			19:13																				
ZZZZZZ			19:15																				
ZZZZZZ			19:17																				
CCV 240-69493/11-A			19:19																				
CCB 240-69493/12-A			19:21																				
ZZZZZZ			19:24																				
ZZZZZZ			19:26																				
ZZZZZZ			19:28																				
ZZZZZZ			19:31																				
ZZZZZZ			19:33																				
ZZZZZZ			19:36																				
ZZZZZZ			19:38																				
ZZZZZZ			19:41																				
CCV 240-69493/11-A			19:43																				
CCB 240-69493/12-A			19:45																				

Prep Types

P = TCLP

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18735-2

SDG No.:

Instrument ID: M Method: 6020/DOD

Start Date: 12/28/2012 15:41 End Date: 12/29/2012 10:42

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
ITUNE 180-59694/1			15:41																				
STD1 180-59694/2 IC	1		22:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
STD2 180-59694/3 IC	1		22:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
STD3 180-59694/4 IC	1		22:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICV 180-59694/5	1		22:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 180-59694/6	1		23:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 180-59694/7	1		23:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 180-59694/8	1		23:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 180-59694/9	1		23:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 180-59694/10	1		23:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB1 180-59694/11	1		23:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			23:33																				
ZZZZZZ			23:37																				
ZZZZZZ			23:42																				
ZZZZZZ			23:46																				
ZZZZZZ			23:50																				
ZZZZZZ			23:55																				
ZZZZZZ			23:59																				
ZZZZZZ			00:03																				
ZZZZZZ			00:08																				
ZZZZZZ			00:12																				
CCV 180-59694/22			00:19																				
CCB2 180-59694/23			00:27																				
ZZZZZZ			00:31																				
ZZZZZZ			00:36																				
ZZZZZZ			00:40																				
ZZZZZZ			00:44																				
ZZZZZZ			00:49																				
ZZZZZZ			00:53																				
ZZZZZZ			00:57																				
ZZZZZZ			01:01																				
ZZZZZZ			01:06																				
ZZZZZZ			01:10																				
CCV 180-59694/34			01:17																				
CCB3 180-59694/35			01:25																				
ZZZZZZ			01:30																				
ZZZZZZ			01:34																				
ZZZZZZ			01:38																				
ZZZZZZ			01:43																				
ZZZZZZ			01:47																				
ZZZZZZ			01:51																				
ZZZZZZ			01:59																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18735-2

SDG No.:

Instrument ID: M Method: 6020/DOD

Start Date: 12/28/2012 15:41 End Date: 12/29/2012 10:42

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
ZZZZZZ			02:03																				
ZZZZZZ			02:08																				
ZZZZZZ			02:12																				
CCV 180-59694/46			02:19																				
CCB4 180-59694/47			02:27																				
ZZZZZZ			02:32																				
ZZZZZZ			02:36																				
ZZZZZZ			02:40																				
ZZZZZZ			02:45																				
ZZZZZZ			02:49																				
ZZZZZZ			02:53																				
ZZZZZZ			02:58																				
ZZZZZZ			03:02																				
ZZZZZZ			03:06																				
ZZZZZZ			03:11																				
CCV 180-59694/58	1		03:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB5 180-59694/59	1		03:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			03:33																				
ZZZZZZ			03:37																				
MB 180-59308/1-A	1	R	03:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCS 180-59308/2-A	1	R	03:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCSD 180-59308/3-A	1	R	03:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			03:58																				
ZZZZZZ			04:03																				
240-18735-3	1	R	04:07	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-18735-4	1	R	04:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 180-59694/69	1		04:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 180-59694/70	1		04:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB6 180-59694/71	1		04:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			04:47																				
ZZZZZZ			04:51																				
ZZZZZZ			04:55																				
ZZZZZZ			05:00																				
ZZZZZZ			05:04																				
ZZZZZZ			05:08																				
ZZZZZZ			05:13																				
ZZZZZZ			05:17																				
ZZZZZZ			05:21																				
ZZZZZZ			05:26																				
CCV 180-59694/82			05:33																				
CCB7 180-59694/83			05:40																				
ZZZZZZ			05:45																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18735-2

SDG No.:

Instrument ID: M Method: 6020/DOD

Start Date: 12/28/2012 15:41 End Date: 12/29/2012 10:42

Lab Sample ID	D / F	Type	Time	Analytes																				
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
ZZZZZZ			05:49																				
ZZZZZZ			05:53																				
ZZZZZZ			05:58																				
ZZZZZZ			06:02																				
ZZZZZZ			06:06																				
ZZZZZZ			06:11																				
ZZZZZZ			06:15																				
ZZZZZZ			06:19																				
ZZZZZZ			06:24																				
CCV 180-59694/94			06:31																				
CCB8 180-59694/95			06:38																				
ZZZZZZ			06:43																				
ZZZZZZ			06:47																				
ZZZZZZ			06:51																				
ZZZZZZ			06:56																				
ZZZZZZ			07:00																				
ZZZZZZ			07:08																				
ZZZZZZ			07:12																				
ZZZZZZ			07:17																				
ZZZZZZ			07:21																				
ZZZZZZ			07:25																				
ZZZZZZ			07:30																				
CCV 180-59694/107			07:37																				
CCB9 180-59694/108			07:44																				
ZZZZZZ			07:49																				
ZZZZZZ			07:53																				
ZZZZZZ			07:57																				
ZZZZZZ			08:02																				
ZZZZZZ			08:06																				
ZZZZZZ			08:10																				
ZZZZZZ			08:15																				
ZZZZZZ			08:19																				
ZZZZZZ			08:23																				
ZZZZZZ			08:28																				
CCV 180-59694/119			08:35																				
CCB10 180-59694/120			08:42																				
ZZZZZZ			08:47																				
ZZZZZZ			08:51																				
ZZZZZZ			08:59																				
ZZZZZZ			09:03																				
ZZZZZZ			09:08																				
ZZZZZZ			09:12																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18735-2

SDG No.:

Instrument ID: M Method: 6020/DOD

Start Date: 12/28/2012 15:41 End Date: 12/29/2012 10:42

Lab Sample ID	D / F	Type	Time	Analytes																				
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
ZZZZZZ			09:16																					
ZZZZZZ			09:21																					
ZZZZZZ			09:25																					
ZZZZZZ			09:29																					
CCV 180-59694/131			09:37																					
CCB11 180-59694/132			09:44																					
ZZZZZZ			09:48																					
ZZZZZZ			09:53																					
ZZZZZZ			09:57																					
ZZZZZZ			10:01																					
ZZZZZZ			10:06																					
ZZZZZZ			10:10																					
ZZZZZZ			10:14																					
ZZZZZZ			10:19																					
ZZZZZZ			10:23																					
ZZZZZZ			10:27																					
CCV 180-59694/143			10:35																					
CCB12 180-59694/144			10:42																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18735-2

SDG No.:

Instrument ID: M Method: 6020/DOD

Start Date: 12/28/2012 15:41 End Date: 12/29/2012 10:42

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
ITUNE 180-59694/1			15:41																				
STD1 180-59694/2 IC	1		22:40	X	X																		
STD2 180-59694/3 IC	1		22:45	X	X																		
STD3 180-59694/4 IC	1		22:50	X	X																		
ICV 180-59694/5	1		22:54	X	X																		
ICB 180-59694/6	1		23:01	X	X																		
CRI 180-59694/7	1		23:06	X	X																		
ICSA 180-59694/8	1		23:10	X	X																		
ICSAB 180-59694/9	1		23:14	X	X																		
CCV 180-59694/10	1		23:21	X	X																		
CCB1 180-59694/11	1		23:29	X	X																		
ZZZZZZ			23:33																				
ZZZZZZ			23:37																				
ZZZZZZ			23:42																				
ZZZZZZ			23:46																				
ZZZZZZ			23:50																				
ZZZZZZ			23:55																				
ZZZZZZ			23:59																				
ZZZZZZ			00:03																				
ZZZZZZ			00:08																				
ZZZZZZ			00:12																				
CCV 180-59694/22			00:19																				
CCB2 180-59694/23			00:27																				
ZZZZZZ			00:31																				
ZZZZZZ			00:36																				
ZZZZZZ			00:40																				
ZZZZZZ			00:44																				
ZZZZZZ			00:49																				
ZZZZZZ			00:53																				
ZZZZZZ			00:57																				
ZZZZZZ			01:01																				
ZZZZZZ			01:06																				
ZZZZZZ			01:10																				
CCV 180-59694/34			01:17																				
CCB3 180-59694/35			01:25																				
ZZZZZZ			01:30																				
ZZZZZZ			01:34																				
ZZZZZZ			01:38																				
ZZZZZZ			01:43																				
ZZZZZZ			01:47																				
ZZZZZZ			01:51																				
ZZZZZZ			01:59																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18735-2

SDG No.:

Instrument ID: M Method: 6020/DOD

Start Date: 12/28/2012 15:41 End Date: 12/29/2012 10:42

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
ZZZZZZ			02:03																				
ZZZZZZ			02:08																				
ZZZZZZ			02:12																				
CCV 180-59694/46			02:19																				
CCB4 180-59694/47			02:27																				
ZZZZZZ			02:32																				
ZZZZZZ			02:36																				
ZZZZZZ			02:40																				
ZZZZZZ			02:45																				
ZZZZZZ			02:49																				
ZZZZZZ			02:53																				
ZZZZZZ			02:58																				
ZZZZZZ			03:02																				
ZZZZZZ			03:06																				
ZZZZZZ			03:11																				
CCV 180-59694/58	1		03:18	X	X																		
CCB5 180-59694/59	1		03:26	X	X																		
ZZZZZZ			03:33																				
ZZZZZZ			03:37																				
MB 180-59308/1-A	1	R	03:45	X	X																		
LCS 180-59308/2-A	1	R	03:50	X	X																		
LCSD 180-59308/3-A	1	R	03:54	X	X																		
ZZZZZZ			03:58																				
ZZZZZZ			04:03																				
240-18735-3	1	R	04:07	X	X																		
240-18735-4	1	R	04:11	X	X																		
CRI 180-59694/69	1		04:27	X	X																		
CCV 180-59694/70	1		04:35	X	X																		
CCB6 180-59694/71	1		04:43	X	X																		
ZZZZZZ			04:47																				
ZZZZZZ			04:51																				
ZZZZZZ			04:55																				
ZZZZZZ			05:00																				
ZZZZZZ			05:04																				
ZZZZZZ			05:08																				
ZZZZZZ			05:13																				
ZZZZZZ			05:17																				
ZZZZZZ			05:21																				
ZZZZZZ			05:26																				
CCV 180-59694/82			05:33																				
CCB7 180-59694/83			05:40																				
ZZZZZZ			05:45																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18735-2

SDG No.:

Instrument ID: M Method: 6020/DOD

Start Date: 12/28/2012 15:41 End Date: 12/29/2012 10:42

Lab Sample ID	D / F	Type	Time	Analytes																				
				V	Zn																			
ZZZZZZ			05:49																					
ZZZZZZ			05:53																					
ZZZZZZ			05:58																					
ZZZZZZ			06:02																					
ZZZZZZ			06:06																					
ZZZZZZ			06:11																					
ZZZZZZ			06:15																					
ZZZZZZ			06:19																					
ZZZZZZ			06:24																					
CCV 180-59694/94			06:31																					
CCB8 180-59694/95			06:38																					
ZZZZZZ			06:43																					
ZZZZZZ			06:47																					
ZZZZZZ			06:51																					
ZZZZZZ			06:56																					
ZZZZZZ			07:00																					
ZZZZZZ			07:08																					
ZZZZZZ			07:12																					
ZZZZZZ			07:17																					
ZZZZZZ			07:21																					
ZZZZZZ			07:25																					
ZZZZZZ			07:30																					
CCV 180-59694/107			07:37																					
CCB9 180-59694/108			07:44																					
ZZZZZZ			07:49																					
ZZZZZZ			07:53																					
ZZZZZZ			07:57																					
ZZZZZZ			08:02																					
ZZZZZZ			08:06																					
ZZZZZZ			08:10																					
ZZZZZZ			08:15																					
ZZZZZZ			08:19																					
ZZZZZZ			08:23																					
ZZZZZZ			08:28																					
CCV 180-59694/119			08:35																					
CCB10 180-59694/120			08:42																					
ZZZZZZ			08:47																					
ZZZZZZ			08:51																					
ZZZZZZ			08:59																					
ZZZZZZ			09:03																					
ZZZZZZ			09:08																					
ZZZZZZ			09:12																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18735-2

SDG No.:

Instrument ID: M Method: 6020/DOD

Start Date: 12/28/2012 15:41 End Date: 12/29/2012 10:42

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
ZZZZZZ			09:16																				
ZZZZZZ			09:21																				
ZZZZZZ			09:25																				
ZZZZZZ			09:29																				
CCV 180-59694/131			09:37																				
CCB11 180-59694/132			09:44																				
ZZZZZZ			09:48																				
ZZZZZZ			09:53																				
ZZZZZZ			09:57																				
ZZZZZZ			10:01																				
ZZZZZZ			10:06																				
ZZZZZZ			10:10																				
ZZZZZZ			10:14																				
ZZZZZZ			10:19																				
ZZZZZZ			10:23																				
ZZZZZZ			10:27																				
CCV 180-59694/143			10:35																				
CCB12 180-59694/144			10:42																				

Prep Types

R = Total Recoverable

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18735-2

SDG No.:

ICP-MS Instrument ID: M Start Date: 12/28/2012 End Date: 12/29/2012

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc	Q	Element Y-89	Q	Element Rh-103	Q	Element In	Q
STD1 180-59694/2 IC	22:40	100		100		100		100		100	
STD2 180-59694/3 IC	22:45	106		114		109		97		106	
STD3 180-59694/4 IC	22:50	110		115		114		111		114	
ICV 180-59694/5	22:54	107		111		116		102		106	
ICB 180-59694/6	23:01	100		114		104		103		104	
CRI 180-59694/7	23:06	100		106		99		98		100	
ICSA 180-59694/8	23:10	81		85		86		81		93	
ICSAB 180-59694/9	23:14	81		86		91		82		95	
CCV 180-59694/10	23:21	81		91		95		85		94	
CCB1 180-59694/11	23:29	86		93		96		95		98	
CCV 180-59694/58	03:18	92		96		92		82		83	
CCB5 180-59694/59	03:26	104		101		91		92		86	
MB 180-59308/1-A	03:45	107		108		95		96		89	
LCS 180-59308/2-A	03:50	94		85		80		76		77	
LCSD 180-59308/3-A	03:54	98		87		81		77		78	
240-18735-3	04:07	95		83		79		77		76	
240-18735-4	04:11	98		83		78		81		76	
CRI 180-59694/69	04:27	106		96		86		89		82	
CCV 180-59694/70	04:35	96		95		87		80		78	
CCB6 180-59694/71	04:43	112		107		91		91		83	

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18735-2

SDG No.:

ICP-MS Instrument ID: M Start Date: 12/28/2012 End Date: 12/29/2012

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Tb	Q	Element Ho	Q	Element Bi	Q	Element	Q	Element	Q
STD1 180-59694/2 IC	22:40	100		100		100					
STD2 180-59694/3 IC	22:45	106		106		89					
STD3 180-59694/4 IC	22:50	112		111		107					
ICV 180-59694/5	22:54	107		107		92					
ICB 180-59694/6	23:01	104		103		103					
CRI 180-59694/7	23:06	99		99		99					
ICSA 180-59694/8	23:10	93		93		84					
ICSAB 180-59694/9	23:14	95		94		83					
CCV 180-59694/10	23:21	96		96		86					
CCB1 180-59694/11	23:29	99		100		101					
CCV 180-59694/58	03:18	82		82		76					
CCB5 180-59694/59	03:26	85		85		92					
MB 180-59308/1-A	03:45	87		87		93					
LCS 180-59308/2-A	03:50	81		81		74					
LCSD 180-59308/3-A	03:54	82		82		73					
240-18735-3	04:07	79		79		76					
240-18735-4	04:11	79		79		82					
CRI 180-59694/69	04:27	81		81		85					
CCV 180-59694/70	04:35	79		78		71					
CCB6 180-59694/71	04:43	81		81		88					

Sample Name: Blank Acquired: 1/3/2013 11:25:43 Type: Cal
Method: Standard Method + IEC Checks(v73) Mode: IR Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00104**	**.00233**	**.00039**	**.00095**	**.01997**	**-.00196**	**.00758**
Stddev	.00008	.00025	.00034	.00007	.00067	.00028	.00064
%RSD	7.9109	10.703	86.926	7.4212	3.3379	14.318	8.4578

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0008**	**.00085**	**.00014**	**-.00061**	**.00078**	**.00127**	**.00545**
Stddev	.0002	.00026	.00005	.00007	.00010	.00126	.00140
%RSD	27.29	30.855	37.076	12.135	12.878	99.614	25.766

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00005**	**.00017**	**-.00028**	**-.00073**	**.00274**	**-.00042**	**.0007**
Stddev	.00011	.00004	.00019	.00192	.00031	.00039	.0001
%RSD	205.76	24.180	67.664	261.47	11.382	92.422	11.25

Elem	Se1960	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00004**	**.00011**	**.00024**	**-.00075**	**.00001**	**.00077**	**.00123**
Stddev	.00005	.00009	.00011	.00016	.00047	.00003	.00030
%RSD	111.78	81.099	45.795	20.731	4823.6	3.7980	24.527

Elem	Sr3464
IS Ref	(Y_3710)
Units	Cts/S
Avg	**-.00033**
Stddev	.00059
%RSD	182.01

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6609.8**	**4703.0**	**58060.**	**9880.3**
Stddev	8.8	9.0	168.	24.9
%RSD	.13305	.19094	.28932	.25165

Sample Name: SCAL1 Acquired: 1/3/2013 11:29:42 Type: Cal
Method: Standard Method + IEC Checks(v73) Mode: IR Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	As1890	B_1826	Ba4554	Be3130	Cd2288	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.85794**	**.15384**	**7.4184**	**24.817**	**30.532**	**3.455**	**4.9909**	**1.6008**
Stddev	.00206	.00023	.0178	.325	.376	.018	.0314	.0004
%RSD	.24015	.14739	.23954	1.3083	1.2326	.5242	.63023	.02358

Elem	Cu3273	Li6707	Mn2576	Mo2020	Ni2316	Pb2203	Sb2175	Se1960
IS Ref	(Y_3600)	(Y_3710)	(Y_3600)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.0653**	**12.499**	**8.5091**	**5.8043**	**2.9961**	**.48816**	**.2322**	**.14737**
Stddev	.0022	.025	.0504	.0417	.0184	.00177	.0010	.00035
%RSD	.20324	.20095	.59190	.71829	.61500	.36174	.4156	.23738

Elem	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Sr3464
IS Ref	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.3492**	**9.0413**	**.37909**	**.84408**	**6.0744**	**1.6992**
Stddev	.0271	.0901	.00264	.00183	.0355	.0025
%RSD	.80849	.99682	.69652	.21693	.58513	.14584

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6322.9**	**4617.3**	**57545.**	**9934.5**
Stddev	7.2	4.5	27.	38.0
%RSD	.11327	.09692	.04713	.38234

Sample Name: SCAL2 Acquired: 1/3/2013 11:33:58 Type: Cal
Method: Standard Method + IEC Checks(v73) Mode: IR Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Al3082	Ca3179	Fe2599	K_7664	Mg2790	Na5895	Si2516
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.4142**	**24.283**	**10.741**	**5.1731**	**2.1366**	**19.100**	**.72381**
Stddev	.0013	.189	.022	.0140	.0051	.022	.00099
%RSD	.09275	.77678	.20052	.27046	.24022	.11743	.13636

Int. Std.	Y_3710
Units	Cts/S
Avg	9698.4
Stddev	31.1
%RSD	.32091

Sample Name: ICV Acquired: 1/3/2013 11:37:54 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**776.60**	**12289.**	**378.89**	**1523.6**	**1544.9**	**1558.2**	**25845.**	**379.9**
Stddev	2.28	31.	.93	4.3	2.3	.6	58.	.3
%RSD	.29324	.25263	.24531	.28044	.14870	.03685	.22390	.0770
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1503.4**	**1512.0**	**1523.1**	**12556.**	**24352.**	**1013.0**	**25115.**	**1554.4**
Stddev	1.5	1.1	2.0	2.	97.	1.0	47.	4.5
%RSD	.10095	.06976	.12842	.01798	.39750	.10347	.18883	.28719
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1507.8**	**25038.**	**1506.7**	**373.61**	**378.5**	**379.52**	**1514.7**	**1564.9**
Stddev	2.1	13.	1.3	1.64	1.3	1.71	2.6	3.3
%RSD	.13633	.04999	.08723	.43846	.3336	.44993	.17101	.21073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Sample Name: ICV Acquired: 1/3/2013 11:37:54 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**761.87**	**1530.8**	**1522.2**	**3161.8**	**4471.0**
Stddev	1.90	1.2	1.7	21.6	11.3
%RSD	.24903	.08005	.10990	.68367	.25342
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6234.0**	**4585.2**	**56531.**	**9846.0**
Stddev	3.1	4.1	98.	32.6
%RSD	.04947	.08912	.17411	.33071

Sample Name: ICB Acquired: 1/3/2013 11:41:34 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.27525**	**-3.2530**	**.11622**	**8.3372**	**.06227**	.12233	**2.2268**	**-.0132**
Stddev	.10944	13.681	1.2758	.6705	.10521	.04634	.7085	.0406
%RSD	39.759	420.58	1097.8	8.0429	168.97	37.881	31.816	307.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.10788**	**.06635**	**-.51846**	**1.1838**	**-23.208**	**1.3072**	**-1.1403**	**.06698**
Stddev	.07191	.16737	.30333	.7580	13.528	.4884	14.168	.01126
%RSD	66.656	252.27	58.505	64.030	58.288	37.360	1242.4	16.804
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.56978**	**-1.1352**	**-.36485**	**-.70620**	**.1927**	**.97239**	**.75046**	**.49965**
Stddev	.09692	12.889	.51391	.92465	.4711	.37333	.22486	.09137
%RSD	17.010	1135.4	140.86	130.93	244.5	38.393	29.963	18.286
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: ICB Acquired: 1/3/2013 11:41:34 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**.45998**	**-.04123**	**-.02643**	**-1.9221**	**.31556**
Stddev	1.0088	1.6529	.04276	1.4381	1.6812
%RSD	219.31	4008.7	161.77	74.817	532.77
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6564.6**	**4636.6**	**57716.**	**9816.4**
Stddev	10.9	3.1	141.	40.4
%RSD	.16531	.06775	.24425	.41193

Sample Name: CRI Acquired: 1/3/2013 11:45:35 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.8820**	**210.68**	**14.656**	**206.42**	**10.055**	**5.1106**	**5136.0**	**5.149**
Stddev	.1414	18.21	1.046	.21	.242	.0633	9.8	.158
%RSD	2.8959	8.6423	7.1373	.09977	2.4036	1.2380	.19080	3.072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.0465**	**5.1058**	**15.085**	**321.57**	**4802.4**	**51.901**	**5170.4**	**15.856**
Stddev	.1591	.1202	.092	1.92	16.6	.245	26.8	.077
%RSD	3.1525	2.3549	.61183	.59861	.34508	.47146	.51924	.48387
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10.298**	**4954.0**	**25.097**	**10.249**	**10.65**	**19.480**	**99.084**	**51.398**
Stddev	.124	17.8	.278	.451	.91	2.071	.357	.229
%RSD	1.1997	.35831	1.1059	4.4036	8.522	10.632	.36059	.44486
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Sample Name: CRI Acquired: 1/3/2013 11:45:35 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**16.173**	**5.7612**	**39.871**	**530.44**	**55.826**
Stddev	.470	1.0164	.073	4.10	3.929
%RSD	2.9035	17.642	.18309	.77249	7.0383
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6486.1**	**4637.1**	**57532.**	**9899.5**
Stddev	5.7	1.2	121.	13.8
%RSD	.08755	.02608	.21076	.13916

Sample Name: CRILL Acquired: 1/3/2013 11:49:26 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.9705**	**206.45**	**10.706**	**210.03**	**205.10**	**5.1618**	**5279.7**
Stddev	.5094	9.28	.375	.75	.16	.0350	3.6
%RSD	10.248	4.4951	3.5051	.35916	.07836	.67803	.06799
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.121**	**7.1367**	**5.2907**	**26.055**	**107.67**	**4869.6**	**49.945**
Stddev	.175	.0331	.2835	.427	1.64	19.4	.728
%RSD	8.248	.46446	5.3591	1.6385	1.5196	.39935	1.4571
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5261.3**	**16.078**	**10.568**	**5026.5**	**41.420**	**2.9577**	**11.43**
Stddev	43.6	.069	.219	10.6	.271	.3789	2.11
%RSD	.82866	.43172	2.0706	.21155	.65365	12.810	18.50
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Sample Name: CRILL Acquired: 1/3/2013 11:49:26 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F **6.6631**	**101.47**	**52.520**	**10.495**	**8.2275**	**20.214**	**519.88**
Stddev	.5697	.57	.116	.777	1.0878	.109	4.89
%RSD	8.5501	.56179	.22140	7.3997	13.222	.54130	.94117
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	5.0000						
Range	30.500%						

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	**51.720**
Stddev	3.084
%RSD	5.9636
Check ?	Chk Pass
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6448.2**	**4595.2**	**57146.**	**9809.1**
Stddev	4.6	5.2	70.	20.8
%RSD	.07198	.11248	.12256	.21255

Sample Name: ICSA Acquired: 1/3/2013 11:53:19 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.27359**	**518430.**	**-1.8859**	**1.7761**	**.39495**	**-.86167**	**494310.**
Stddev	.00738	523.	1.7604	.1777	.16335	.04269	2251.
%RSD	2.6987	.10085	93.344	10.005	41.361	4.9539	.45531
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Water mblk = 1.0 OK

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.9750**	**-1.4971**	**3.1372**	**-1.7643**	**196170.**	**-61.767**	**-30.760**
Stddev	.0791	.2864	.2857	.5689	1758.	45.949	.626
%RSD	8.114	19.130	9.1081	32.246	.89636	74.391	2.0356
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**523430.**	**1.1679**	**-1.7437**	**107.72**	**2.2993**	**-1.1081**	**.8947**
Stddev	624.	.0342	.1420	4.56	.1373	2.2747	2.467
%RSD	.11922	2.9294	8.1444	4.2355	5.9693	205.28	275.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: ICSA Acquired: 1/3/2013 11:53:19 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.3334**	**2.7169**	**-.62834**	4.3497	**-1.2893**	**6.2860**	**-6.2079**
Stddev	2.0130	.6267	.09954	.8190	2.5437	.1211	3.5307
%RSD	86.270	23.065	15.843	18.829	197.29	1.9273	56.874
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	**12.240**
Stddev	5.938
%RSD	48.515
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5386.8**	**4167.9**	**50779.**	**9507.3**
Stddev	4.7	2.6	93.	11.7
%RSD	.08706	.06318	.18386	.12297

Sample Name: ICSAB Acquired: 1/3/2013 11:57:23 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1094.3**	**515020.**	**1022.0**	**514.86**	**498.38**	**499.05**	**483930.**
Stddev	2.2	903.	2.9	1.77	.29	.21	1049.
%RSD	.20322	.17534	.28793	.34338	.05902	.04116	.21676
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1031.**	**494.20**	**482.11**	**537.37**	**195870.**	**10321.**	**521.25**
Stddev	2.	.41	.98	1.01	1036.	26.	.63
%RSD	.2121	.08365	.20317	.18833	.52875	.25079	.12073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**515320.**	**497.24**	**990.57**	**10686.**	**987.90**	**923.64**	**1026.**
Stddev	887.	.45	1.62	22.	.41	1.43	6.
%RSD	.17219	.09141	.16392	.20161	.04153	.15494	.5543
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Sample Name: ICSAB Acquired: 1/3/2013 11:57:23 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**992.60**	**509.73**	**522.29**	**982.14**	**491.22**	**992.87**	**10084.**
Stddev	4.79	.78	.37	2.86	1.48	.89	38.
%RSD	.48221	.15397	.07126	.29080	.30229	.08980	.38096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	**1475.5**
Stddev	3.8
%RSD	.25779
Check ?	Chk Pass
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5335.5**	**4141.9**	**50640.**	**9445.6**
Stddev	3.3	3.0	102.	46.8
%RSD	.06209	.07351	.20108	.49529

Sample Name: CCV Acquired: 1/3/2013 12:01:19 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1007.8**	**25085.**	**520.90**	**5120.1**	**2019.0**	**2045.5**	**50969.**	**513.3**
Stddev	2.9	28.	1.71	.8	4.0	4.8	37.	1.2
%RSD	.29087	.11220	.32756	.01550	.19577	.23439	.07288	.2263
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2012.5**	**1994.0**	**2003.4**	**25502.**	**49469.**	**5125.2**	**50363.**	**2020.1**
Stddev	.7	4.4	6.7	34.	82.	8.6	61.	8.3
%RSD	.03233	.22259	.33317	.13269	.16561	.16851	.12096	.40900
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2050.2**	**50186.**	**2010.9**	**503.18**	**509.7**	**507.69**	**5033.2**	**5126.3**
Stddev	4.2	72.	1.8	1.73	2.2	1.48	14.4	36.8
%RSD	.20705	.14333	.08976	.34315	.4274	.29166	.28522	.71847
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Sample Name: CCV Acquired: 1/3/2013 12:01:19 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**1029.4**	**2020.9**	**2032.4**	**5372.9**	**4992.2**
Stddev	3.6	5.6	.2	58.3	4.2
%RSD	.34582	.27666	.01003	1.0847	.08405
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6012.6**	**4465.2**	**55047.**	**9671.4**
Stddev	4.9	3.1	148.	34.8
%RSD	.08109	.07028	.26950	.35937

Sample Name: CCB Acquired: 1/3/2013 12:05:06 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.08308	2.6085	.68629	8.0207	.26958	.10140	15.144	-.0513
Stddev	.07940	15.306	.73484	.6731	.06678	.06544	1.579	.1149
%RSD	95.572	586.76	107.07	8.3914	24.774	64.536	10.425	223.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.07844	.11511	-.09348	6.0333	5.9785	3.5463	11.921	.04547
Stddev	.15189	.35535	.59827	.7948	3.0685	1.3258	11.563	.00366
%RSD	193.63	308.69	639.98	13.173	51.325	37.386	96.996	8.0476
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.67909	20.773	.34280	.24739	1.310	1.7369	.65560	1.2064
Stddev	.07867	9.352	.33279	.17847	.663	.7478	.41935	.2258
%RSD	11.585	45.020	97.079	72.142	50.65	43.057	63.964	18.718
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 1/3/2013 12:05:06 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**-.00839**	**.99817**	**-.00309**	**.73869**	**1.5334**
Stddev	.85513	1.0936	.10100	**3.**8189	5.0831
%RSD	10188.	109.56	3269.6	516.99	331.49
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6570.1**	**4624.6**	**57375.**	**9799.7**
Stddev	18.0	12.1	105.	24.2
%RSD	.27391	.26094	.18279	.24708

Sample Name: IEC Check As Acquired: 1/3/2013 12:09:08 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.18947**	**9.8695**	**5095.4**	**4.3767**	**-.01590**	**-.00172**	**10.217**	**.7365**
Stddev	.34149	7.5751	10.4	.1706	.16628	.02220	1.538	.2005
%RSD	180.23	76.753	.20400	3.8976	1046.1	1291.2	15.051	27.23
Check ?	None	None	None	None	None	None	None	Chk Pass
Value								
Range								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.03690**	**-.05565**	**.06867**	**11.243**	**-2.4429**	**.36696**	**4.2479**	**.11503**
Stddev	.09695	.10879	.56154	1.004	38.900	1.4703	14.842	.01675
%RSD	262.75	195.49	817.72	8.9282	1592.4	400.68	349.39	14.564
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.03664**	**2.7161**	**-.37495**	**-.84204**	**1.820**	**-.34580**	**.48385**	**.12110**
Stddev	.14452	8.6929	.16571	1.1271	1.889	.41085	.24525	.06404
%RSD	394.43	320.05	44.194	133.85	103.8	118.81	50.687	52.885
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: IEC Check As Acquired: 1/3/2013 12:09:08 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**.52978**	**-.36028**	**.34890**	**-2.8637**	**.10928**
Stddev	.86813	.80667	.01615	2.5402	4.6672
%RSD	163.87	223.90	4.6281	88.706	4270.8
Check ?	None	None	None	None	None
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6811.0**	**4757.6**	**59159.**	**10191.**
Stddev	9.0	10.2	191.	14.
%RSD	.13244	.21490	.32201	.13451

Sample Name: IEC Check Ti Acquired: 1/3/2013 12:13:10 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.38609**	**19.987**	**-2.1031**	**3.8402**	**-.09319**	**-.00032**	**3.3555**	**.4265**
Stddev	.14647	5.295	1.3874	.0989	.07310	.05632	1.5056	.1188
%RSD	37.935	26.493	65.971	2.5761	78.437	17667.	44.869	27.85
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.12194**	**1.1339**	**-12.710**	**7.6455**	**-6.4883**	**-1.1580**	**-70.568**	**.19469**
Stddev	.52985	.1234	.703	.2352	15.253	1.3319	11.833	.03391
%RSD	434.50	10.882	5.5294	3.0763	235.09	115.02	16.769	17.418
Check ?	Chk Pass	None	None	None	None	None	None	None
Value								
Range								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.05834**	**-2.8385**	**-1.9062**	**-.24753**	**.4278**	**1.2243**	**2.7433**	**29662.**
Stddev	.06440	3.0166	.1062	.62728	.6867	1.4228	.2328	222.
%RSD	110.40	106.27	5.5697	253.42	160.5	116.22	8.4868	.74883
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: IEC Check Ti Acquired: 1/3/2013 12:13:10 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**2.3956**	**-4.6979**	**.34999**	**6595.7**	**1.3164**
Stddev	.4724	2.1555	.03294	1411.2	2.9619
%RSD	19.718	45.881	9.4105	21.395	225.01
Check ?	Chk Pass	None	None	None	None
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6826.8**	**4804.9**	**59230.**	**10160.**
Stddev	4.9	9.5	106.	22.
%RSD	.07183	.19670	.17955	.21527

Sample Name: IEC Check Co Acquired: 1/3/2013 12:17:16 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.04147**	**8.8603**	**.54609**	**2.4744**	**-.00885**	**.03920**	**10.957**	**.0887**
Stddev	.19277	9.4519	.91815	.0597	.02826	.02259	.557	.0569
%RSD	464.87	106.68	168.13	2.4118	319.47	57.615	5.0866	64.23
Check ?	None	None	Chk Pass	None	None	None	None	None
Value								
Range								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10143.**	**-.08507**	**-2.4273**	**6.0279**	**11.137**	**-.90235**	**-1.4319**	**.06540**
Stddev	**9.**	.22630	.1285	1.2438	8.879	.46969	12.690	.02234
%RSD	.08999	266.02	5.2941	20.634	79.732	52.052	886.25	34.153
Check ?	None	None	Chk Pass	None	None	None	None	None
Value								
Range								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.05484**	**-14.200**	**-.15593**	**.22431**	**4.266**	**-.16084**	**-.07394**	**2.9677**
Stddev	.12153	10.965	.33037	1.2748	1.126	2.0034	.42384	.1276
%RSD	221.60	77.216	211.87	568.30	26.38	1245.6	573.23	4.2983
Check ?	None	None	Chk Pass	None	Chk Pass	None	None	None
Value								
Range								

Sample Name: IEC Check Co Acquired: 1/3/2013 12:17:16 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-1.7897	-.57789	.94427	39.401	-1.7707
Stddev	.4932	2.1982	.10574	1.873	4.2645
%RSD	27.557	380.38	11.199	4.7534	240.84
Check ?	Chk Pass	None	None	None	None
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6787.0	4748.8	58957.	10191.
Stddev	5.3	8.4	99.	39.
%RSD	.07769	.17690	.16797	.38436

Sample Name: IEC Check Al Acquired: 1/3/2013 12:21:13 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.21611**	**508610.**	**-1.6583**	**.62766**	**.04888**	**.01317**	**2.8144**
Stddev	.26934	1051.	.9813	.33338	.15688	.02160	1.5130
%RSD	124.63	.20660	59.176	53.115	320.98	164.04	53.762
Check ?	None	None	Chk Pass	None	None	None	None
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0518**	**-.15301**	**-.12274**	**-.02077**	**6.9122**	**12.162**	**-.56910**
Stddev	.1685	.10096	.13802	.41511	.6834	12.109	.85685
%RSD	325.4	65.979	112.45	1998.9	9.8870	99.565	150.56
Check ?	None	None	None	None	None	None	None
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.10604**	**-.13296**	**-.82417**	**26.886**	**.25962**	**-.65870**	**3.588**
Stddev	3.0841	.02944	.06415	10.014	.17050	.99024	1.103
%RSD	2908.5	22.145	7.7837	37.247	65.674	150.33	30.76
Check ?	None	None	None	None	None	Chk Pass	Chk Pass
Value							
Range							

Sample Name: IEC Check Al Acquired: 1/3/2013 12:21:13 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.9586**	**1.0907**	**1.1219**	**2.3784**	**.05686**	**2.8555**	**12.290**
Stddev	2.6922	.3467	.1177	1.7834	.90563	.2055	.362
%RSD	137.46	31.788	10.487	74.984	1592.8	7.1974	2.9426
Check ?	None	None	None	None	None	None	None
Value							
Range							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	**.52170**
Stddev	2.1125
%RSD	404.93
Check ?	None
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6335.6	4741.3	55945.	10210.
Stddev	4.2	10.0	85.	25.
%RSD	.06663	.21171	.15245	.24303

Sample Name: IEC Check Fe Acquired: 1/3/2013 12:25:06 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.38632**	**20.198**	**-3.4933**	**.47041**	**.00282**	**.02646**	**-14.875**
Stddev	.43685	12.538	.8992	.26402	.10947	.06874	.622
%RSD	113.08	62.078	25.741	56.126	3878.6	259.85	4.1834
Check ?	None	None	None	None	None	None	None
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3338**	**2.7979**	**3.1977**	**-1.8199**	**500260.**	**-171.47**	**-.94221**
Stddev	.1537	.3261	.2288	.2168	4810.	17.06	1.6736
%RSD	46.03	11.654	7.1534	11.911	.96152	9.9482	177.62
Check ?	Chk Pass	None	None	Chk Pass	None	None	None
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-60.072**	**6.8014**	**-1.9458**	**-12.107**	**.29619**	**-2.8203**	**1.870**
Stddev	15.990	.0340	.1591	8.016	.82357	.6484	2.075
%RSD	26.619	.49998	8.1782	66.205	278.06	22.990	110.9
Check ?	None	None	None	None	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Sample Name: IEC Check Fe Acquired: 1/3/2013 12:25:06 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.22464**	**3.5391**	**2.1564**	**6.2507**	**-.33807**	**8.1487**	**-19.411**
Stddev	1.1076	.1934	.0789	1.1047	1.2178	.1101	2.455
%RSD	493.06	5.4658	3.6579	17.672	360.21	1.3509	12.646
Check ?	None	None	None	None	Chk Pass	None	None
Value							
Range							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	**13.902**
Stddev	2.183
%RSD	15.705
Check ?	None
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6506.2**	**4585.5**	**56943.**	**10014.**
Stddev	6.8	4.6	87.	31.
%RSD	.10523	.09933	.15229	.31060

Sample Name: IEC Check V Acquired: 1/3/2013 12:29:09 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.25252**	**-41.259**	**1.3903**	**.55344**	**.21390**	**-.38835**	**11.074**	**.1820**
Stddev	.37808	10.750	.6266	.19127	.06122	.01851	.936	.0780
%RSD	149.72	26.056	45.072	34.560	28.620	4.7668	8.4550	42.85
Check ?	None	Chk Pass	None	None	None	Chk Pass	None	None
Value								
Range								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.02538**	**-.38943**	**-.54176**	**42.272**	**-29.737**	**-.73889**	**-4.4224**	**.14782**
Stddev	.07591	.23239	.31938	8.579	25.560	.64454	5.5563	.02618
%RSD	299.13	59.675	58.952	20.296	85.951	87.231	125.64	17.712
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.64620**	**-38.046**	**-.31875**	**-.57296**	**-1.972**	**-.80577**	**.17555**	**.76579**
Stddev	.20199	11.692	.36671	1.2208	.712	.66034	.25155	.06538
%RSD	31.259	30.730	115.05	213.06	36.12	81.951	143.29	8.5378
Check ?	None	None	None	None	Chk Pass	None	None	None
Value								
Range								

Sample Name: IEC Check V Acquired: 1/3/2013 12:29:09 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**4.7799**	**5184.9**	**.39119**	**7.2203**	**-.24002**
Stddev	.9358	18.5	.03981	1.6944	2.5665
%RSD	19.578	.35690	10.177	23.466	1069.3
Check ?	Chk Pass	None	None	None	None
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6781.0**	**4757.4**	**58853.**	**10156.**
Stddev	7.7	3.6	76.	30.
%RSD	.11419	.07627	.12850	.29664

Sample Name: CCV Acquired: 1/3/2013 12:33:08 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1006.4**	**24835.**	**516.31**	**5088.9**	**2005.8**	**2050.8**	**50700.**	**508.2**
Stddev	2.7	43.	3.28	6.5	6.4	3.7	123.	1.1
%RSD	.26811	.17258	.63543	.12762	.31946	.18121	.24320	.2230
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2000.2**	**1991.4**	**2009.9**	**25471.**	**48888.**	**5125.5**	**50281.**	**2030.7**
Stddev	1.8	7.6	7.3	50.	235.	7.3	128.	10.1
%RSD	.09157	.38120	.36326	.19483	.48040	.14218	.25422	.49840
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2051.1**	**50147.**	**1999.0**	**501.51**	**504.0**	**504.69**	**4955.5**	**5162.5**
Stddev	1.7	80.	1.4	.51	1.8	1.70	9.6	45.1
%RSD	.08068	.16025	.06940	.10074	.3606	.33751	.19335	.87420
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Sample Name: CCV Acquired: 1/3/2013 12:33:08 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ti1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**1029.6**	**2014.4**	**2025.5**	**5363.9**	**5016.4**
Stddev	1.3	8.3	.9	89.6	17.2
%RSD	.12854	.41215	.04400	1.6709	.34286
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6034.4**	**4465.7**	**54899.**	**9772.2**
Stddev	8.0	5.3	99.	47.6
%RSD	.13249	.11791	.18011	.48745

Sample Name: CCB Acquired: 1/3/2013 12:36:55 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.12629**	14.993	.09784	6.7923	.20753	.10360	3.8619	-.0242
Stddev	.10674	6.534	.86123	.3952	.03191	.04170	1.4534	.0538
%RSD	84.521	43.581	880.22	5.8175	15.377	40.247	37.634	222.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.20332	-.00597	-.18743	2.1525	-22.767	3.3002	-.18644	.04543
Stddev	.12393	.18863	.76887	.5549	11.433	1.0262	12.175	.01517
%RSD	60.954	3160.9	410.21	25.778	50.217	31.096	6530.4	33.393
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.65263	-20.044	.15393	.03656	.9711	.29248	.72953	1.5178
Stddev	.18949	2.165	.28840	.10892	.5447	1.3597	.21186	.2397
%RSD	29.035	10.799	187.36	297.89	56.09	464.87	29.040	15.794
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 1/3/2013 12:36:55 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**.36482**	**-.07784**	**.00184**	**11.708**	**4.6189**
Stddev	.29096	.69104	.03721	4.537	.3977
%RSD	79.755	887.76	2019.9	38.751	8.6096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6614.9**	**4638.6**	**57454.**	**9848.1**
Stddev	8.0	9.3	153.	26.5
%RSD	.12083	.20081	.26656	.26916

Sample Name: lb 240-69294/1-d Acquired: 1/3/2013 12:40:57 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.59252**	**-9.8791**	**2.4488**	**7.5420**	**1.7480**	**.04627**
Stddev	.05406	9.3742	1.3339	.5606	.0353	.03604
%RSD	9.1242	94.890	54.472	7.4334	2.0205	77.888
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**83.393**	**.0274**	**.00670**	**.94742**	**.70021**	**7.5602**
Stddev	1.135	.0545	.35723	.13955	.39483	1.2755
%RSD	1.3614	199.2	5331.2	14.730	56.388	16.871
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**528.76**	**18.281**	**4.2289**	**.50696**	**.24674**	F **1242800.**
Stddev	85.20	3.698	3.0857	.02228	.06872	23779.
%RSD	16.114	20.230	72.966	4.3948	27.851	1.9134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						1000.0
Low Limit						-1000.0

Sample Name: lb 240-69294/1-d Acquired: 1/3/2013 12:40:57 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6.3682**	**-.67514**	**.7564**	F **6.8911**	**1.7329**	**.66034**
Stddev	.0369	.95684	1.334	1.5779	.5349	.07765
%RSD	.57884	141.72	176.4	22.898	30.865	11.759
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5.0000		
Low Limit				-1000.0		

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**-1.5347**	**1.4910**	**4.6172**	**148.59**	**.83332**
Stddev	.8672	1.7431	.0904	4.28	.40081
%RSD	56.504	116.91	1.9587	2.8834	48.098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5511.6**	**4202.5**	**49957.**	**9758.0**
Stddev	11.1	3.6	52.	5.4
%RSD	.20202	.08492	.10492	.05570

Sample Name: mb 240-69405/2-a Acquired: 1/3/2013 12:45:05 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.29169**	**2.9564**	**.29806**	**2.8502**	**.80964**	**-.02562**	**266.54**	**.0385**
Stddev	.47503	10.269	1.3881	.0111	.15138	.03361	.79	.0877
%RSD	162.85	347.35	465.72	.39012	18.697	131.20	.29582	228.1
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.02700**	**-.08454**	**.97125**	**11.004**	**65.035**	**6.4073**	**53.146**	**1.1230**
Stddev	.20381	.18153	.28103	1.202	23.795	1.6418	8.773	.0452
%RSD	754.95	214.72	28.935	10.919	36.589	25.624	16.507	4.0288
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.17139**	**314.57**	**1.4802**	**-.69329**	**1.107**	**.97395**	**.07894**	**.44488**
Stddev	.11996	27.39	.0879	.82677	1.493	.92166	.14698	.10627
%RSD	69.993	8.7078	5.9359	119.25	134.8	94.632	186.18	23.887
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
High Limit								
Low Limit								

Sample Name: mb 240-69405/2-a Acquired: 1/3/2013 12:45:05 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**-.69049**	**.98287**	**11.776**	**23.062**	**2.5939**
Stddev	1.1852	.80577	.048	3.643	1.1233
%RSD	171.65	81.982	.40768	15.795	43.304
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6652.5**	**4696.1**	**58397.**	**10085.**
Stddev	4.2	4.2	142.	18.
%RSD	.06349	.08882	.24270	.17539

Sample Name: lcs 240-69405/3-a Acquired: 1/3/2013 12:49:06 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**50.461**	**1931.9**	**2095.7**	**996.20**	**1951.9**	**48.052**
Stddev	.338	15.0	7.8	.97	2.8	.172
%RSD	.66970	.77483	.37151	.09731	.14570	.35830
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F **355.89**	**49.87**	**502.15**	**199.49**	**255.11**	**1006.7**
Stddev	3.58	.12	.49	.22	.78	3.2
%RSD	1.0068	.2387	.09762	.11235	.30568	.32208
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	50000.					
Range	-20.500%					

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F **630.05**	**1057.3**	F **48.432**	**507.01**	**990.14**	F **1143700.**
Stddev	59.18	3.8	8.349	1.36	1.94	13381.
%RSD	9.3933	.35567	17.240	.26851	.19617	1.1699
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
Value	50000.		50000.			50000.
Range	-20.500%		-20.500%			20.500%

Sample Name: lcs 240-69405/3-a Acquired: 1/3/2013 12:49:06 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**510.17**	**469.36**	**494.8**	**2072.3**	**1954.1**	**1019.3**
Stddev	.22	1.10	1.1	1.6	2.4	2.6
%RSD	.04407	.23362	.2168	.07921	.12360	.25529
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**1916.2**	**493.91**	**546.34**	F **1250.5**	**978.13**
Stddev	2.3	4.08	1.21	9.4	6.63
%RSD	.12114	.82599	.22176	.74958	.67798
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value				1000.0	
Range				20.500%	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5530.1**	**4235.8**	**50481.**	**9821.0**
Stddev	3.8	5.9	64.	25.1
%RSD	.06785	.13921	.12749	.25604

Sample Name: 240-18735-c-5-d Acquired: 1/3/2013 12:52:54 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.51503**	**116.74**	**4.4159**	**69.107**	**289.01**	**.10668**
Stddev	.24386	9.27	.5482	.524	.18	.03272
%RSD	47.349	7.9366	12.414	.75760	.06396	30.675
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**153870.**	**1.578**	**41.836**	**2.4208**	**2.2254**	**27.315**
Stddev	1331.	.125	.426	.1862	.4251	1.284
%RSD	.86474	7.925	1.0180	7.6933	19.105	4.7009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2770.9**	**14.211**	**20541.**	**6837.9**	**.00895**	F **1115300.**
Stddev	29.5	.941	46.	44.1	.11527	5423.
%RSD	1.0652	6.6210	.22464	.64427	1287.8	.48624
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500000.
Low Limit						-500000.

Sample Name: 240-18735-c-5-d Acquired: 1/3/2013 12:52:54 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**48.042**	**8.9738**	**1.649**	**6.6364**	**3.4421**	**.91336**
Stddev	.409	.6837	1.156	1.5021	.6225	.11037
%RSD	.85071	7.6194	70.10	22.634	18.084	12.084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**.47926**	**-1.2017**	**48.284**	**3778.3**	**319.19**
Stddev	1.1800	1.3143	.274	8.0	4.41
%RSD	246.22	109.37	.56849	.21269	1.3815
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5341.6**	**4128.9**	**49523.**	**9717.5**
Stddev	3.1	2.1	101.	29.2
%RSD	.05781	.05031	.20449	.30042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	80.814%	87.793%	85.297%	98.352%
Range				

Sample Name: SD 240-18735-c-5-d@5 Acquired: 1/3/2013 12:57:12 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.52386**	**24.324**	**.75776**	**15.140**	**57.852**	**.01175**	**31774.**
Stddev	.21471	4.812	.44402	.240	.110	.02451	41.
%RSD	40.986	19.784	58.596	1.5849	.19031	208.62	.12789
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3096**	**8.3386**	**.61154**	**.58994**	**6.4586**	**545.13**	**11.716**
Stddev	.0371	.4203	.10304	.85970	.7032	16.07	.655
%RSD	11.99	5.0409	16.849	145.73	10.887	2.9489	5.5920
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4221.6**	**1403.2**	**.09147**	**263850.**	**9.9947**	**.94269**	**2.511**
Stddev	26.9	3.1	.08253	1893.	.0084	.23183	.957
%RSD	.63640	.22024	90.223	.71744	.08447	24.592	38.11
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: SD 240-18735-c-5-d@5 Acquired: 1/3/2013 12:57:12 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.82511**	**.44686**	**.25575**	**.57459**	**1.8753**	**9.4065**	**763.82**
Stddev	1.1350	.62325	.04095	1.2183	.9286	.0987	7.03
%RSD	137.56	139.47	16.012	212.03	49.520	1.0493	.92072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	**65.757**
Stddev	1.792
%RSD	2.7256
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5980.3**	**4411.8**	**53810.**	**9755.0**
Stddev	11.1	7.7	38.	40.8
%RSD	.18525	.17432	.07126	.41876
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.476%	93.809%	92.681%	98.732%
Range				

Dilute

Sample Name: 240-18735-c-5-e ms Acquired: 1/3/2013 13:01:17 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1091.6**	**2134.8**	F **5441.8**	**1112.5**	F **48452.**	**50.406**
Stddev	9.3	3.7	95.5	18.7	264.	.180
%RSD	.85321	.17527	1.7548	1.6805	.54587	.35785
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit			5000.0		25000.	
Low Limit			-500000.		-500000.	

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**151310.**	**1060.**	**559.47**	**5076.5**	**270.29**	**1050.0**
Stddev	1495.	20.	10.44	38.4	.78	6.4
%RSD	.98767	1.850	1.8662	.75557	.28977	.60742
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2683.7**	**17.733**	**19988.**	**7144.6**	**1055.3**	F **1085300.**
Stddev	67.8	1.077	86.	44.3	19.2	8098.
%RSD	2.5248	6.0754	.42811	.62001	1.8172	.74616
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500000.
Low Limit						-500000.

Sample Name: 240-18735-c-5-e ms Acquired: 1/3/2013 13:01:17 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**571.58**	**4949.6**	**522.2**	**1105.2**	**2074.1**	**.68300**
Stddev	10.02	79.1	9.2	17.0	42.8	.19593
%RSD	1.7536	1.5980	1.763	1.5340	2.0624	28.687
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**2012.3**	**513.64**	**582.97**	**3820.7**	**306.97**
Stddev	35.9	4.53	10.79	18.0	3.13
%RSD	1.7827	.88110	1.8512	.47043	1.0196
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5305.4**	**4098.0**	**49772.**	**9801.9**
Stddev	68.6	50.0	252.	54.4
%RSD	1.2924	1.2190	.50682	.55462
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	80.265%	87.135%	85.725%	99.206%
Range				

pikle

Sample Name: 240-18735-c-5-f msd Acquired: 1/3/2013 13:05:29 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1082.0**	**2116.5**	F **5431.9**	**1109.8**	F **47812.**	**49.927**
Stddev	6.6	25.6	70.3	14.0	474.	.157
%RSD	.60765	1.2099	1.2950	1.2658	.99090	.31455
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit			5000.0		25000.	
Low Limit			-500000.		-500000.	

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**150570.**	**1059.**	**558.24**	**5032.9**	**267.74**	**1039.3**
Stddev	1038.	15.	7.96	26.8	1.96	5.8
%RSD	.68907	1.446	1.4262	.53298	.73096	.55838
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2807.2**	**19.630**	**19920.**	**7147.6**	**1051.5**	F **1050100.**
Stddev	28.8	1.822	60.	25.9	15.5	12594.
%RSD	1.0277	9.2828	.30277	.36219	1.4715	1.1993
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500000.
Low Limit						-500000.

Sample Name: 240-18735-c-5-f msd Acquired: 1/3/2013 13:05:29 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**570.58**	**4945.2**	**522.0**	**1099.9**	**2076.3**	**.51966**
Stddev	8.72	54.4	8.8	13.8	35.6	.14944
%RSD	1.5281	1.0996	1.688	1.2568	1.7147	28.757
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**2008.6**	**504.63**	**582.34**	**3785.7**	**306.75**
Stddev	23.0	2.04	7.95	28.6	3.62
%RSD	1.1454	.40433	1.3650	.75552	1.1799
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5278.7**	**4081.5**	**49966.**	**9819.4**
Stddev	46.2	35.0	141.	27.0
%RSD	.87512	.85748	.28131	.27446
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	79.862%	86.786%	86.059%	99.383%
Range				

Sample Name: 240-18735-C-5-E MS@5 Acquired: 1/3/2013 13:11:07 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**203.27**	**433.00**	**1038.5**	**221.40**	**9974.1**	**10.296**	**31344.**
Stddev	.35	11.38	4.7	.97	138.9	.040	296.
%RSD	.17376	2.6281	.45243	.43907	1.3928	.38664	.94558
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**205.6**	**109.35**	**1007.6**	**52.823**	**216.63**	**537.37**	**7.6853**
Stddev	.7	.39	3.0	.239	1.78	25.65	1.3548
%RSD	.3352	.36076	.29974	.45178	.82271	4.7731	17.628
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4168.8**	**1461.2**	**211.45**	**263410.**	**112.88**	**1010.0**	**102.0**
Stddev	55.4	4.5	.63	3353.	.58	6.2	1.8
%RSD	1.3301	.31041	.29912	1.2730	.51208	.61823	1.765
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-18735-C-5-E MS@5 Acquired: 1/3/2013 13:11:07 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**206.42**	**406.51**	**.42235**	**410.09**	**104.42**	**114.61**	**772.27**
Stddev	1.48	1.69	.14361	1.64	1.03	.48	5.02
%RSD	.71645	.41500	34.002	.40102	.98795	.42119	.65055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	**64.471**
Stddev	1.912
%RSD	2.9650
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5991.7**	**4421.7**	**54265.**	**9680.4**
Stddev	22.7	14.1	165.	88.9
%RSD	.37946	.31798	.30409	.91791
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.648%	94.018%	93.464%	97.976%
Range				

Sample Name: 240-18735-C-5-FMSD@5 Acquired: 1/3/2013 13:15:06 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**204.35**	**438.10**	**1035.7**	**219.97**	**9926.4**	**10.173**	**31120.**
Stddev	1.18	19.41	2.3	.43	76.8	.078	36.
%RSD	.57583	4.4305	.22688	.19568	.77347	.76367	.11518
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**205.0**	**109.29**	**1012.8**	**52.476**	**214.91**	**508.40**	**4.4602**
Stddev	.1	.24	1.5	.557	.16	18.25	.4073
%RSD	.0371	.21736	.14778	1.0610	.07471	3.5889	9.1330
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4160.6**	**1478.0**	**211.63**	**261560.**	**112.51**	**1007.8**	**102.3**
Stddev	11.1	1.8	.40	1720.	.23	1.8	2.4
%RSD	.26782	.12235	.18744	.65745	.20546	.17615	2.311
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-18735-C-5-FMSD@5 Acquired: 1/3/2013 13:15:06 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**206.42**	**405.29**	**.31089**	408.21	**102.00**	**114.38**	**762.26**
Stddev	1.05	1.36	.14547	1.74	2.66	.03	6.86
%RSD	.51087	.33664	46.790	.42653	2.6108	.02892	.90022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	**65.163**
Stddev	1.147
%RSD	1.7594
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5994.0**	**4424.2**	**53961.**	**9732.4**
Stddev	2.4	4.6	41.	23.7
%RSD	.03986	.10371	.07641	.24399
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.683%	94.071%	92.941%	98.503%
Range				

Sample Name: PDS 240-18735-c-5-d Acquired: 1/3/2013 13:32:56 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**111.20**	**5181.4**	**329.16**	**3131.0**	**340.02**	**25.800**
Stddev	.77	4.3	1.15	6.6	.65	.076
%RSD	.69475	.08351	.34876	.21121	.19077	.29585
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**164200.**	**369.9**	**198.76**	**209.24**	**493.83**	**4622.3**
Stddev	1632.	.4	.18	.51	1.33	5.6
%RSD	.99403	.1202	.09080	.24457	.26835	.12074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**7992.5**	**.76942**	**23341.**	**6831.3**	**104.99**	F **1175000.**
Stddev	79.2	.88222	71.	9.0	.29	15605.
%RSD	.99069	114.66	.30377	.13190	.27242	1.3281
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500000.
Low Limit						-500000.

Sample Name: PDS 240-18735-c-5-d Acquired: 1/3/2013 13:32:56 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**310.25**	**150.99**	**155.1**	**437.85**	**311.51**	**542.74**
Stddev	.83	.63	1.2	2.57	.28	.62
%RSD	.26652	.41877	.7788	.58731	.09068	.11481
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**453.89**	**51.468**	**584.57**	**3826.5**	**314.21**
Stddev	1.47	1.492	.78	31.8	.47
%RSD	.32328	2.8985	.13407	.83008	.14997
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5288.6**	**4121.6**	**48949.**	**9682.4**
Stddev	5.2	2.0	155.	31.2
%RSD	.09764	.04811	.31765	.32207
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	80.011%	87.637%	84.309%	97.997%
Range				

Sample Name: CCV Acquired: 1/3/2013 13:37:05 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1020.9**	**25045.**	**520.07**	**5144.2**	**2016.1**	**2081.4**	**51108.**	**512.9**
Stddev	.8	71.	1.52	12.7	4.7	6.2	108.	.8
%RSD	.08147	.28301	.29311	.24595	.23342	.29621	.21202	.1547
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2011.7**	**2016.1**	**2038.5**	**25764.**	**48920.**	**5178.4**	**51068.**	**2063.6**
Stddev	2.5	.4	2.2	81.	151.	10.4	156.	1.9
%RSD	.12588	.01815	.10999	.31286	.30814	.20142	.30543	.09002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2065.8**	**49247.**	**2009.7**	**502.96**	**509.9**	**510.33**	**5005.4**	**5258.7**
Stddev	2.1	217.	3.0	.48	1.3	1.53	13.3	11.1
%RSD	.10078	.44026	.14706	.09533	.2529	.29928	.26656	.21176
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Sample Name: CCV Acquired: 1/3/2013 13:37:05 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**1033.1**	**2021.6**	**2035.9**	**5417.9**	**5076.0**
Stddev	1.9	7.6	1.7	98.5	17.1
%RSD	.18387	.37492	.08508	1.8178	.33635
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6049.2**	**4478.2**	**54762.**	**9742.4**
Stddev	9.0	1.4	85.	25.3
%RSD	.14864	.03042	.15448	.25973

Sample Name: CCB Acquired: 1/3/2013 13:40:51 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.45404**	**9.0675**	**-.07030**	**8.4775**	**.22975**	**.07869**	**5.2425**	**-.0422**
Stddev	.15794	3.1719	.91414	.8987	.11586	.03975	.9050	.0850
%RSD	34.785	34.982	1300.4	10.601	50.427	50.512	17.263	201.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.06123**	**.09374**	**-.20272**	**1.7363**	**54.161**	**3.0494**	**-5.1237**	**.14155**
Stddev	.27039	.16087	.45805	1.0386	1.021	.4893	2.0714	.04474
%RSD	441.60	171.61	225.95	59.814	1.8850	16.045	40.428	31.609
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.78128**	**185.92**	**-.24147**	**.11420**	**1.676**	**-.28103**	**.11856**	**1.4014**
Stddev	.18441	5.92	.14686	.89037	1.632	1.8926	.17442	.0173
%RSD	23.603	3.1865	60.820	779.67	97.41	673.44	147.12	1.2335
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 1/3/2013 13:40:51 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**.33213**	**.13505**	**.03314**	**3.0468**	**1.9585**
Stddev	.22195	.63442	.09245	4.2325	3.9990
%RSD	66.826	469.76	278.96	138.91	204.19
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6600.6**	**4622.2**	**57209.**	**9810.1**
Stddev	12.7	12.6	172.	3.7
%RSD	.19260	.27158	.30019	.03761

Sample Name: 240-18735-f-6-d Acquired: 1/3/2013 13:44:52 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.88763**	**455.50**	**2.2076**	**172.46**	**58.788**	**.06997**
Stddev	.12943	8.84	2.0413	.57	.092	.04412
%RSD	14.581	1.9408	92.468	.33213	.15670	63.055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**14119.**	**.1475**	**1.7117**	**3.0506**	**3.9486**	**1215.2**
Stddev	16.	.0633	.2874	.2158	.5238	2.6
%RSD	.11649	42.90	16.792	7.0747	13.266	.21799
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1581.0**	**12.000**	**5724.3**	**159.39**	**6.1367**	**F 986840.**
Stddev	41.9	1.212	15.3	.83	.2564	3749.
%RSD	2.6478	10.104	.26805	.52351	4.1787	.37989
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500000.
Low Limit						-500000.

Sample Name: 240-18735-f-6-d Acquired: 1/3/2013 13:44:52 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**23.311**	**3.6820**	**103.4**	**-.09329**	**1.1889**	**8.7344**
Stddev	.398	.9434	.7	1.3794	.4720	.2425
%RSD	1.7076	25.622	.6766	1478.6	39.704	2.7764
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**.40244**	**.86934**	**469.69**	**5105.7**	**64.836**
Stddev	.97463	.43034	.98	18.8	2.962
%RSD	242.18	49.501	.20931	.36796	4.5681
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5535.2**	**4218.7**	**50334.**	**9843.9**
Stddev	10.4	6.1	16.	120.6
%RSD	.18832	.14445	.03164	1.2256
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	83.742%	89.702%	86.693%	99.632%
Range				

Sample Name: Pb 10 ppm Acquired: 1/3/2013 13:48:52 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.70270**	**-5.8183**	**-.30149**	**3.5064**	**-.00154**	**.00505**	**120.43**	**.0946**
Stddev	.16967	6.1708	.08933	.3662	.10795	.02304	2.08	.0271
%RSD	24.145	106.06	29.628	10.443	7027.7	456.03	1.7268	28.67
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.03669**	**-.00634**	**.06156**	**.26457**	**72.893**	**3.1064**	**1.6499**	**.12738**
Stddev	.20604	.23118	.06282	1.6119	15.469	.9839	5.3207	.03427
%RSD	561.49	3648.7	102.05	609.26	21.221	31.675	322.48	26.907
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.27651**	**497.43**	**.63730**	**10841.**	**-3.209**	**.41363**	**.09528**	**.19695**
Stddev	.21445	48.24	.14841	19.	.871	2.3937	.32585	.09842
%RSD	77.553	9.6983	23.287	.17621	27.14	578.72	341.98	49.972
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: Pb 10 ppm Acquired: 1/3/2013 13:48:52 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**-.61237**	**.52429**	**2.3083**	**7.0612**	**-3.5222**
Stddev	.71163	1.0461	.0381	3.6076	4.0919
%RSD	116.21	199.54	1.6485	51.091	116.17
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6566.7**	**4631.3**	**57299.**	**9748.3**
Stddev	6.1	4.5	240.	24.9
%RSD	.09341	.09695	.41905	.25558
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.348%	98.474%	98.690%	98.664%
Range				

Sample Name: Se 4 ppm Acquired: 1/3/2013 13:52:52 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.25971**	**11.046**	**4234.6**	**2.4686**	**8.0060**	**.24256**	**5.9129**	**F 4285.**
Stddev	.15094	13.537	4.9	.2214	.1677	.07362	1.2543	4.
%RSD	58.116	122.56	.11457	8.9704	2.0947	30.351	21.213	.1045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit								2000.
Low Limit								-500000.

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.5012**	**.53180**	**1.1754**	**1.6603**	**6.4936**	**-.62784**	**-7.7016**	**2.3401**
Stddev	.1859	.02032	.1798	1.5658	14.337	.27134	5.7346	.0256
%RSD	12.385	3.8211	15.299	94.305	220.79	43.218	74.459	1.0936
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.8746**	**391.37**	**3.5776**	**4458.6**	**.7116**	**4439.8**	**.33246**	**1.1749**
Stddev	.0971	10.54	.3243	6.5	.6287	8.9	.47811	.0825
%RSD	5.1799	2.6940	9.0656	.14663	88.35	.19942	143.81	7.0202
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: Se 4 ppm Acquired: 1/3/2013 13:52:52 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**8385.3**	**3.5012**	**3.1744**	**-2.8834**	**-1.3930**
Stddev	6.6	2.4727	.0667	3.4114	4.9835
%RSD	.07858	70.624	2.1001	118.31	357.76
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6815.4**	**4752.5**	**58999.**	**10201.**
Stddev	4.2	5.9	46.	24.
%RSD	.06125	.12473	.07871	.23816
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	103.11%	101.05%	101.62%	103.24%
Range				

Sample Name: Ba 25 ppm Acquired: 1/3/2013 13:56:43 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.16221**	**15.664**	**1.0760**	**3.5541**	**24925.**	**-.01293**	**17.183**	**-.4667**
Stddev	.34119	8.539	.4259	.1344	293.	.00892	.910	.0763
%RSD	210.34	**54.515**	39.578	3.7823	1.1739	68.980	5.2975	16.35
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.0739**	**-.01021**	**1.0678**	**3.4342**	**27.479**	**1.7564**	**1.3786**	**.18239**
Stddev	.0418	.01835	.2276	1.0393	17.517	1.2738	9.3458	.04634
%RSD	2.0163	179.80	21.310	**30.264**	63.747	**72.527**	677.90	25.405
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.01473**	**174.49**	**-.14474**	**.31601**	**-.7532**	**1.8233**	**.19127**	**-.04008**
Stddev	.08345	9.44	.11870	1.1176	1.231	1.6448	.23947	.10751
%RSD	566.48	5.4115	82.009	**353.66**	163.5	90.211	125.20	268.23
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: Ba 25 ppm Acquired: 1/3/2013 13:56:43 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**-.16616**	**-.21554**	**3.3637**	**15.014**	**4.4440**
Stddev	.76113	1.9516	.0420	1.533	2.9686
%RSD	458.08	905.44	1.2475	10.213	66.799
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6545.0**	**4593.4**	**57441.**	**9849.0**
Stddev	4.7	1.6	182.	68.2
%RSD	.07140	.03487	.31674	.69290
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.019%	97.669%	98.934%	99.683%
Range				

Sample Name: Se 4 ppm Acquired: 1/3/2013 14:05:41 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.36234**	**3.9546**	**-.85020**	**1.0213**	**.47996**	**.06576**	**55.232**	**.0489**
Stddev	.27248	16.186	.81302	.1565	.15721	.03646	.480	.0825
%RSD	75.200	409.30	95.627	15.323	32.754	55.445	.86857	168.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.06516**	**.18250**	**.12406**	**1.5642**	**.09299**	**1.5861**	**-8.8297**	**.13380**
Stddev	.12844	.04091	.34915	1.5018	8.7854	.8921	20.942	.00388
%RSD	197.10	22.415	281.43	96.010	9448.0	56.245	237.17	2.8971
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.05387**	**118.83**	**.70188**	**.07186**	**.3580**	**4018.6**	**.52595**	**.48834**
Stddev	.13104	6.84	.11366	.75842	1.191	3.8	.41855	.12945
%RSD	243.27	5.7588	16.194	1055.4	332.7	.09401	79.580	26.508
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: Se 4 ppm Acquired: 1/3/2013 14:05:41 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**-.17052**	**.43417**	**1.1408**	**6.0027**	**-.75060**
Stddev	.38144	1.3512	.0915	4.3610	3.5584
%RSD	223.70	311.21	8.0208	72.652	474.07
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6480.9**	**4566.5**	**56574.**	**9702.1**
Stddev	19.9	11.6	188.	38.4
%RSD	.30654	.25316	.33282	.39576
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.049%	97.097%	97.441%	98.196%
Range				

Sample Name: CCV Acquired: 1/3/2013 14:09:38 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1010.6**	**24939.**	**521.30**	**5117.8**	**2001.0**	**2067.9**	**50947.**	**511.9**
Stddev	2.1	46.	1.21	10.6	1.7	2.7	62.	.3
%RSD	.20437	.18455	.23222	.20619	.08428	.13199	.12186	.0499
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2007.9**	**2006.1**	**2025.8**	**25654.**	**48895.**	**5151.5**	**50903.**	**2046.2**
Stddev	2.9	3.1	2.0	53.	45.	9.9	48.	3.0
%RSD	.14300	.15241	.09835	.20492	.09144	.19238	.09435	.14649
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2070.3**	**50016.**	**2006.0**	**504.02**	**507.7**	**508.08**	**4960.7**	**5212.2**
Stddev	3.4	108.	3.2	1.67	1.8	.27	6.9	20.1
%RSD	.16305	.21616	.16019	.33207	.3513	.05361	.13946	.38475
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Sample Name: CCV Acquired: 1/3/2013 14:09:38 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**1033.1**	**2016.2**	**2033.2**	**5366.9**	**5057.6**
Stddev	3.0	.9	4.1	77.7	22.9
%RSD	.29096	.04431	.20179	1.4480	.45192
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6017.6**	**4440.6**	**54568.**	**9687.0**
Stddev	7.8	5.1	151.	15.1
%RSD	.12966	.11488	.27648	.15585

Sample Name: CCB Acquired: 1/3/2013 14:13:25 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.29090**	**1.4486**	-1.3714	**6.5488**	**.07294**	**.09129**	**28.827**	**.0995**
Stddev	.60342	7.5895	1.1411	.3921	.13333	.01996	2.284	.1041
%RSD	207.43	523.93	83.209	5.9868	182.80	21.861	7.9231	104.6
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.02882**	**-.05499**	**.03693**	**3.5065**	**-4.5612**	**2.6936**	**-4.9295**	**.05364**
Stddev	.07319	.23574	.63457	.5310	13.687	.1598	6.7982	.02538
%RSD	253.94	428.72	1718.1	15.142	300.08	5.9309	137.91	47.323
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.68259**	**74.258**	**-.10712**	**-.18129**	**1.063**	**.02630**	**.42008**	**1.4205**
Stddev	.21092	12.926	.19160	.34687	2.725	1.6743	.50717	.0340
%RSD	30.900	17.406	178.87	191.33	256.5	6366.0	120.73	2.3929
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
High Limit								
Low Limit								

Sample Name: CCB Acquired: 1/3/2013 14:13:25 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**-.31187**	**2.1781**	**1.0013**	**1.1120**	**.99545**
Stddev	.50461	1.3589	.0701	2.7703	2.4546
%RSD	161.80	62.390	6.9955	249.13	246.58
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6543.4	4584.5	56401.	9683.4
Stddev	1.4	3.5	144.	42.9
%RSD	.02078	.07649	.25491	.44318

Sample Name: CRI Acquired: 1/3/2013 14:17:25 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.8113**	**193.68**	**15.254**	**201.67**	**9.7616**	**4.9834**	**5029.9**	**5.025**
Stddev	.1912	7.61	1.272	.21	.2949	.0152	4.8	.048
%RSD	3.9734	3.9283	8.3403	.10351	3.0215	.30433	.09631	.9483
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.8392**	**5.0512**	**14.411**	**316.97**	**4671.4**	**51.687**	**5099.1**	**15.703**
Stddev	.0576	.2813	.687	1.82	9.7	1.511	20.6	.005
%RSD	1.1909	5.5687	4.7667	.57371	.20710	2.9230	.40369	.03403
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10.366**	**4896.1**	**24.469**	**10.061**	**11.08**	**19.277**	**95.641**	**51.235**
Stddev	.067	13.1	.208	1.238	.43	.223	.246	.117
%RSD	.64655	.26705	.85022	12.302	3.847	1.1576	.25707	.22847
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Sample Name: CRI Acquired: 1/3/2013 14:17:25 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**14.562**	**8.8551**	**39.014**	**515.63**	**52.265**
Stddev	.973	.7823	.213	8.14	2.855
%RSD	6.6835	8.8350	.54646	1.5791	5.4617
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6511.0**	**4607.8**	**57136.**	**9860.4**
Stddev	8.5	8.6	165.	15.9
%RSD	.13030	.18617	.28889	.16158

Sample Name: MDLV Acquired: 1/3/2013 14:21:18 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.6656**	**200.63**	**9.5870**	**54.637**	**5.1312**	**1.5754**	**1061.7**	**1.008**
Stddev	.3143	3.66	.2182	.308	.0548	.0321	1.7	.027
%RSD	6.7367	1.8232	2.2761	.56372	1.0680	2.0349	.16017	2.653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.1143**	**4.0618**	**12.945**	**106.23**	**857.43**	**1.1896**	**314.07**	**5.4419**
Stddev	.2238	.0109	.822	1.28	10.03	.6667	4.70	.0211
%RSD	5.4407	.26831	6.3520	1.2066	1.1703	56.048	1.4958	.38769
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**21.289**	**1044.8**	**4.9940**	**5.2452**	**21.56**	**9.5051**	**47.164**	**4.4349**
Stddev	.065	12.5	.2140	.9933	.42	2.6007	.792	.2280
%RSD	.30550	1.2008	4.2840	18.937	1.937	27.361	1.6795	5.1401
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: MDLV Acquired: 1/3/2013 14:21:18 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**20.672**	**5.2758**	**20.881**	**5.9649**	**1.2527**
Stddev	.644	2.7042	.049	2.4785	2.3892
%RSD	3.1167	51.257	.23611	41.551	190.73
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6589.7**	**4635.1**	**57199.**	**9844.5**
Stddev	6.9	13.9	122.	20.4
%RSD	.10526	.29965	.21312	.20749
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.696%	98.556%	98.517%	99.637%
Range				

Zzzzz pw 1-4-13

Sample Name: ccv Acquired: 1/3/2013 14:25:13 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1006.6**	**25005.**	**518.40**	**5112.1**	**1997.4**	**2064.6**	**50873.**	**510.8**
Stddev	4.5	49.	1.91	10.9	4.7	1.1	32.	1.2
%RSD	.44471	.19755	.36828	.21336	.23372	.05262	.06225	.2344
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2006.2**	**1999.2**	**2016.7**	**25610.**	**48931.**	**5146.4**	**50725.**	**2033.7**
Stddev	.6	8.1	9.8	18.	72.	6.9	98.	11.9
%RSD	.02761	.40690	.48564	.07050	.14680	.13313	.19265	.58638
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2074.5**	**50052.**	**2003.6**	**503.09**	**504.9**	**503.69**	**4930.4**	**5199.3**
Stddev	1.5	111.	1.2	2.20	.6	1.79	5.3	35.7
%RSD	.07027	.22173	.06045	.43779	.1105	.35464	.10701	.68671
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

ICCB 1-4-13

Sample Name: ~~CCV~~ Acquired: 1/3/2013 14:25:13 Type: QC

Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000

User: Roger Method: 6010B/6010C Method: 200.7 :

Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**1034.1**	**2018.0**	**2028.3**	**5312.2**	**5055.0**
Stddev	1.6	2.9	2.0	66.7	9.5
%RSD	.15435	.14546	.09924	1.2562	.18711
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6027.6**	**4441.0**	**54881.**	**9702.2**
Stddev	**3.**6	6.3	227.	49.7
%RSD	.06049	.14180	.41301	.51272

Sample Name: CCV Acquired: 1/3/2013 14:29:03 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1010.9**	**25048.**	**524.16**	**5135.2**	**2002.9**	**2072.0**	**51025.**	**512.9**
Stddev	1.2	10.	1.22	.6	2.6	6.3	95.	.1
%RSD	.11965	.04172	.23320	.01112	.13126	.30391	.18581	.0216
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2012.8**	**2011.4**	**2029.6**	**25699.**	**49129.**	**5171.4**	**50843.**	**2029.0**
Stddev	1.8	5.5	2.5	60.	54.	7.5	64.	17.6
%RSD	.08881	.27193	.12552	.23342	.10927	.14496	.12571	.86755
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2085.0**	**50134.**	**2014.2**	**507.23**	**507.0**	**505.35**	**4945.3**	**5245.9**
Stddev	4.2	65.	1.7	2.47	2.6	.76	11.6	14.2
%RSD	.20030	.12985	.08261	.48724	.5200	.15037	.23518	.27084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Sample Name: CCV Acquired: 1/3/2013 14:29:03 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**1038.4**	**2027.5**	**2038.0**	**5340.6**	**5066.8**
Stddev	1.4	2.5	1.9	64.1	1.1
%RSD	.13533	.12131	.09259	1.1997	.02097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5994.4**	**4411.8**	**54579.**	**9699.9**
Stddev	.9	7.4	73.	7.3
%RSD	.01488	.16681	.13420	.07574

Sample Name: CCB Acquired: 1/3/2013 14:49:40 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.20015	-2.4707	-.59464	2.6964	.03811	.05289	2.1159	.0257
Stddev	.25581	8.7330	.57125	.1762	.08017	.05637	.4985	.0982
%RSD	127.81	353.46	96.066	6.5331	210.35	106.59	23.562	382.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.07723	.04520	-.37258	.64027	-6.3158	1.2302	-14.315	.03812
Stddev	.12127	.18551	.39618	.79150	33.013	.6251	7.780	.02556
%RSD	157.02	410.43	106.34	123.62	522.71	50.817	54.348	67.051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.29593	28.870	-.04545	-.95095	.9981	1.4767	.37477	1.4788
Stddev	.08727	8.005	.07888	.88512	1.434	1.2237	.26905	.0387
%RSD	29.490	27.730	173.55	93.078	143.7	82.865	71.791	2.6179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 1/3/2013 14:49:40 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.21541	.66235	.19806	.85832	1.4890
Stddev	.47022	.21830	.00413	3.7104	3.1255
%RSD	218.29	32.958	2.0840	432.29	209.91
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6556.1	4604.8	56565.	9738.3
Stddev	2.0	5.3	225.	57.9
%RSD	.03127	.11568	.39754	.59505

Sample Name: ~~CCB~~ Acquired: 1/3/2013 14:53:41 Type: QC

Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000

User: Roger Method: 6010B/6010C Method: 200.7 :

Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.12887	-3.4983	-.13970	1.9166	-.00284	-.00937	18.855	.0325
Stddev	.12527	9.2307	1.1317	.1656	.17574	.05074	.469	.1266
%RSD	97.201	263.86	810.12	8.6423	6189.2	541.45	2.4878	389.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.09815	.13314	-.58411	.78492	-11.783	.64660	-3.0372	.04476
Stddev	.03311	.02585	.73529	1.3238	5.373	.12584	7.7153	.04152
%RSD	33.729	19.419	125.88	168.65	45.594	19.462	254.03	92.755
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.04686	25.432	.18162	.32728	1.845	.16302	-.00845	.33002
Stddev	.11710	9.123	.24181	.42121	.616	1.2410	.41066	.19220
%RSD	249.91	35.871	133.14	128.70	33.39	761.25	4860.3	58.237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

22222 1-4-13

Sample Name: ~~CCB~~ Acquired: 1/3/2013 14:53:41 Type: QC

Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000

User: Roger Method: 6010B/6010C Method: 200.7 :

Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.62793	.47640	.63950	2.0701	2.9757
Stddev	1.3299	1.8277	.04798	4.8150	3.9387
%RSD	211.79	383.64	7.5022	232.60	132.36
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6592.0	4614.5	57148.	9806.7
Stddev	10.4	9.6	88.	10.7
%RSD	.15717	.20855	.15443	.10904

Sample Name: 240-19180-A-8-B@2 Acquired: 1/3/2013 15:58:44 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.43662**	**1510.9**	**8.5078**	**127.28**	**21.456**	**-.03561**	**63188.**
Stddev	.33159	8.6	.7494	.11	.238	.02695	47.
%RSD	75.946	.57100	8.8090	.08661	1.1115	75.680	.07438
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1361**	**.54309**	**11321.**	**56.481**	**2412.8**	**4227.7**	**-.11397**
Stddev	.0242	.04896	34.	.971	5.6	17.7	.39030
%RSD	17.80	9.0148	.29801	1.7195	.23269	.41824	342.47
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9794.1**	**65.892**	**1.1097**	**106020.**	**5.9443**	**.67909**	**1.079**
Stddev	23.5	.323	.0839	77.	.2608	.99764	.700
%RSD	.24011	.48951	7.5644	.07237	4.3879	146.91	64.86
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-19180-A-8-B@2 Acquired: 1/3/2013 15:58:44 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.2705**	**2.6242**	**21.569**	**4.0142**	**2.2060**	**16.731**	**4971.0**
Stddev	1.2049	.2989	1.045	1.5092	1.5029	.040	180.9
%RSD	94.835	11.391	4.8436	37.597	68.129	.24194	3.6394
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	**123.16**
Stddev	4.30
%RSD	3.4913
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6138.7**	**4514.6**	**54907.**	**9784.6**
Stddev	6.4	4.7	178.	36.1
%RSD	.10371	.10448	.32452	.36936
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.872%	95.995%	94.569%	99.031%
Range				

Sample Name: 240-19180-A-3-E Acquired: 1/3/2013 16:02:33 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.54148**	**-5.4688**	**12.600**	**61.394**	**296.14**	**-.12984**	77940.	**.1324**
Stddev	.11677	14.216	.787	.184	.32	.03217	123.	.1406
%RSD	21.565	259.95	6.2476	.29926	.10676	24.774	.15730	106.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.01636**	**.53905**	**-.81069**	**2.3847**	**1086.7**	**7.7801**	**13515.**	**44.894**
Stddev	.13682	.34528	.26103	.9608	18.7	.4054	48.	.095
%RSD	836.50	64.053	32.198	40.292	1.7168	5.2113	.35197	.21258
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**17.260**	**24540.**	**.88799**	**-1.0769**	**1.319**	**-.97284**	**-.08912**	**.14112**
Stddev	.305	20.	.17656	.5153	.864	.79566	.11602	.08269
%RSD	1.7649	.08086	19.883	47.852	65.48	81.787	130.19	58.595
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-19180-A-3-E Acquired: 1/3/2013 16:02:33 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**.81562**	**.87495**	**1.6571**	**8527.1**	**547.45**
Stddev	.39262	.60706	.0486	11.6	3.62
%RSD	48.138	69.382	2.9327	.13623	.66121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6360.9**	**4577.2**	**56102.**	**9938.6**
Stddev	3.8	3.2	145.	6.7
%RSD	.05943	.06978	.25871	.06729
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.234%	97.326%	96.628%	100.59%
Range				

Sample Name: 240-19180-A-5-C Acquired: 1/3/2013 16:06:29 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.48547	-7.6787	3.3380	392.63	54.656	-.20934	137210.
Stddev	.18668	7.0960	1.7260	.07	.060	.04495	249.
%RSD	38.453	92.412	51.708	.01832	.10947	21.471	.18175
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2170	-.02243	2530.2	.09339	2.2884	11775.	-10.520
Stddev	.1096	.03604	4.1	.40288	1.0429	14.	1.155
%RSD	50.50	160.67	.16339	431.41	45.574	.11887	10.974
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19852.	2.6391	4.3019	116700.	1.5544	-.08933	1.975
Stddev	41.	.0268	.0641	1427.	.5322	.95623	.397
%RSD	.20651	1.0175	1.4905	1.2228	34.240	1070.4	20.10
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-19180-A-5-C Acquired: 1/3/2013 16:06:29 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6.2585**	**.03671**	**.02038**	**2.0932**	**-.79403**	**2.0890**	**7138.8**
Stddev	1.3987	.27866	.27297	.5063	1.0095	.0888	12.5
%RSD	22.348	759.13	1339.6	24.188	127.13	4.2497	.17463
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	**370.85**
Stddev	1.99
%RSD	.53621
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6120.8**	**4477.1**	**54664.**	**9870.0**
Stddev	11.3	3.8	170.	26.6
%RSD	.18448	.08415	.31026	.26931
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.602%	95.196%	94.151%	99.896%
Range				

Sample Name: MB 240-69368/1-A Acquired: 1/3/2013 16:10:40 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.16557**	**-5.0066**	**.33853**	**.64333**	**-.09775**	**-.00164**	**104.61**	**-.0573**
Stddev	.04827	20.785	.40329	.20850	.27773	.08020	4.06	.2019
%RSD	29.155	415.15	119.13	32.410	284.14	4886.9	**3.8773**	352.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.07438**	**-.04747**	**-.72577**	**3.5400**	**-19.148**	**.13366**	**-11.857**	**.36865**
Stddev	.12210	.09811	.49282	.4314	40.390	1.1019	9.328	.00830
%RSD	164.16	206.68	67.902	12.187	210.94	824.39	78.675	2.2516
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.01584**	**56.168**	**-.22364**	**-.34673**	**.9587**	**.17648**	**1.5021**	**-.03398**
Stddev	.11471	7.165	.02920	1.1195	1.868	.94144	.0912	.11389
%RSD	724.30	12.757	13.058	322.87	194.8	533.47	6.0730	335.20
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: MB 240-69368/1-A Acquired: 1/3/2013 16:10:40 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.72599	1.4376	1.7062	8.6906	1.0987
Stddev	.73301	1.2602	.0288	4.8661	2.1887
%RSD	100.97	87.658	1.6887	55.993	199.20
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6634.0	4692.0	57821.	10006.
Stddev	2.1	4.6	172.	27.
%RSD	.03151	.09901	.29714	.27060

Sample Name: LCS 240-69368/2-A Acquired: 1/3/2013 16:14:40 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	105.72	10292.	1045.3	103.66	1030.9	1063.2	10496.	1044.
Stddev	.67	21.	1.4	.25	2.0	1.1	13.	1.
%RSD	.63417	.20125	.13046	.24412	.19204	.10674	.12221	.1058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1023.2	1044.1	1049.1	10426.	9740.3	-2.3069	10502.	1083.9
Stddev	.6	2.0	1.8	17.	31.7	.7000	5.	2.2
%RSD	.05864	.19572	.16903	.16761	.32506	30.343	.04939	.20490
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	104.65	10148.	1030.8	1045.6	103.9	1062.0	100.07	105.03
Stddev	.02	6.	1.3	.4	2.1	2.1	.40	.27
%RSD	.02198	.05804	.12685	.03490	2.067	.19728	.39934	.25385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: LCS 240-69368/2-A Acquired: 1/3/2013 16:14:40 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	263.61	1038.2	1031.6	4.2644	1043.5
Stddev	.79	2.2	.3	.5407	5.0
%RSD	.30066	.21566	.03161	12.680	.48324
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6498.2	4666.0	57143.	9960.1
Stddev	2.1	1.9	188.	42.2
%RSD	.03224	.04008	.32909	.42350
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.312%	99.212%	98.420%	100.81%
Range				

Sample Name: 240-18893-A-1-A Acquired: 1/3/2013 16:18:19 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.13645**	**-1.5909**	**-.52486**	**92.955**	**10.331**	**-.00143**	**50927.**	**.0548**
Stddev	.49221	16.915	1.4120	.254	.099	.03912	65.	.0536
%RSD	360.72	1063.2	269.02	.27360	.95913	2733.7	.12834	97.86
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.23561**	**.60453**	**.34063**	**12.754**	**2587.1**	**1.0371**	**12667.**	**9.9682**
Stddev	.05984	.16890	.18721	1.324	30.2	1.0713	14.	.0691
%RSD	25.396	27.940	54.961	10.381	1.1666	103.30	.10902	.69343
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.6324**	**29730.**	**.31611**	**.30655**	**1.366**	**.10601**	**-.01413**	**.24171**
Stddev	.2258	42.	.10291	.48228	.646	.61406	.46710	.08050
%RSD	6.2159	.14077	32.555	157.32	47.30	579.25	3306.8	33.304
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-18893-A-1-A Acquired: 1/3/2013 16:18:19 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**1.6579**	**.43980**	**.75486**	**3103.6**	**275.38**
Stddev	.3831	2.1842	.05867	9.3	1.33
%RSD	23.104	496.64	7.7721	.29972	.48458
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6425.8**	**4592.9**	**56838.**	**9919.7**
Stddev	7.1	5.0	52.	42.3
%RSD	.11022	.10940	.09084	.42640
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.216%	97.658%	97.895%	100.40%
Range				

Sample Name: SD 240-18893-a-1-a@5 Acquired: 1/3/2013 16:22:13 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.37046**	**.27151**	**.10405**	**17.324**	**2.0626**	**-.00760**	**10134.**	**.0154**
Stddev	.23780	12.383	.65259	.141	.0261	.02623	12.	.1408
%RSD	64.191	4560.6	627.16	.81494	1.2640	345.00	.12103	915.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.01294**	**.23162**	**-.52421**	**2.6064**	**502.21**	**.07123**	**2570.7**	**2.0665**
Stddev	.19146	.24889	.55726	1.5827	7.45	.91866	32.9	.0296
%RSD	1479.5	107.46	106.31	60.725	1.4838	1289.7	1.2797	1.4302
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.86958**	**5847.7**	**.57214**	**-1.1297**	**2.158**	**1.3162**	**-.04538**	**.09744**
Stddev	.10464	9.5	.27174	.2506	1.048	1.7128	.05409	.02433
%RSD	12.034	.16298	47.494	22.185	48.56	130.13	119.18	24.964
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: SD 240-18893-a-1-a@5 Acquired: 1/3/2013 16:22:13 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**-.03050**	**.98216**	.77794	**622.04**	**52.651**
Stddev	.45629	1.6632	.07145	7.06	.880
%RSD	1495.9	169.34	9.1850	1.1344	1.6707
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6584.3**	**4651.0**	**57375.**	**9870.9**
Stddev	6.3	9.3	67.	54.2
%RSD	.09630	.20087	.11630	.54868
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.614%	98.894%	98.820%	99.904%
Range				

Sample Name: mb 240-70811/1-a Acquired: 1/3/2013 16:26:13 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.14557**	**16.558**	**-.10832**	**-.46343**	**-.04475**	**-.04961**	**17.999**	**.1166**
Stddev	.28603	9.554	.11701	.24162	.36972	.03142	1.333	.1581
%RSD	196.49	57.702	108.02	52.138	826.25	63.335	7.4082	135.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.19083**	**.18677**	**.11686**	**3.0585**	**-21.667**	**-.34962**	**-3.3638**	**.65334**
Stddev	.23672	.17385	.61823	.1554	36.839	.92527	10.273	.01253
%RSD	124.05	93.086	529.02	5.0824	170.03	264.65	305.39	1.9184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.16196**	**26.081**	**.56808**	**.47910**	**.5507**	**.99556**	**-.22747**	**.03657**
Stddev	.12737	1.919	.23434	.97760	.5730	1.2307	.29189	.16763
%RSD	78.646	7.3588	41.252	204.05	104.0	123.62	128.32	458.44
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: mb 240-70811/1-a Acquired: 1/3/2013 16:26:13 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**-.34136**	**-.09356**	**.41265**	**19.738**	**.22156**
Stddev	.53093	1.0248	.03807	1.026	6.5952
%RSD	155.53	1095.4	9.2266	5.1970	2976.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6667.5**	**4707.7**	**58727.**	**10048.**
Stddev	11.8	7.0	161.	21.
%RSD	.17707	.14936	.27358	.21180

Sample Name: lcs 240-70811/2-a Acquired: 1/3/2013 16:30:12 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**51.934**	**2044.7**	**2081.3**	**1033.5**	**2063.5**	**51.043**	**52030.**	**52.41**
Stddev	.248	9.9	6.7	.7	1.6	.069	14.	.03
%RSD	.47676	.48293	.32100	.06485	.07845	.13463	.02762	.0555
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**512.87**	**206.23**	**261.18**	**1047.8**	**49973.**	**1026.9**	**51547.**	**529.92**
Stddev	.25	.51	.57	.5	46.	2.5	118.	2.21
%RSD	.04931	.24694	.21780	.04967	.09204	.24090	.22883	.41769
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1061.8**	**51237.**	**516.66**	**509.65**	**516.3**	**2032.1**	**1995.1**	**1067.9**
Stddev	.9	77.	.88	.78	1.1	4.7	2.9	4.1
%RSD	.08700	.15064	.16979	.15383	.2076	.23066	.14414	.38686
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Sample Name: lcs 240-70811/2-a Acquired: 1/3/2013 16:30:12 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**2069.0**	**522.85**	**509.57**	**1098.1**	**1014.7**
Stddev	.5	1.04	.41	14.3	6.6
%RSD	.02370	.19903	.07965	1.2997	.64782
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6158.7**	**4491.4**	**55446.**	**9799.9**
Stddev	7.6	6.9	115.	35.9
%RSD	.12372	.15353	.20729	.36680

Sample Name: CCV Acquired: 1/3/2013 16:33:52 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1007.4**	**24996.**	**516.21**	**5084.8**	**2002.4**	**2059.9**	**51058.**	**509.9**
Stddev	.6	67.	1.03	5.6	1.2	2.8	27.	.3
%RSD	.05581	.26717	.19948	.10973	.05853	.13742	.05323	.0667
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2002.3**	**1999.1**	**2013.2**	**25589.**	**49088.**	**5129.5**	**50794.**	**2025.1**
Stddev	1.1	2.2	.2	5.	108.	4.6	94.	7.9
%RSD	.05590	.11022	.00919	.01792	.22057	.09028	.18437	.39046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2058.5**	**50151.**	**1998.8**	**500.41**	**503.9**	**502.24**	**4964.0**	**5174.3**
Stddev	3.3	84.	2.9	.61	2.8	2.81	11.0	30.0
%RSD	.16003	.16826	.14285	.12207	.5597	.56049	.22203	.58013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Sample Name: CCV Acquired: 1/3/2013 16:33:52 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**1030.2**	**2019.6**	**2026.1**	**5338.4**	**5044.0**
Stddev	3.2	.8	1.0	71.0	3.1
%RSD	.30990	.04177	.04998	1.3306	.06102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6084.2**	**4502.0**	**55184.**	**9663.7**
Stddev	7.0	4.8	78.	24.3
%RSD	.11570	.10594	.14159	.25183

Sample Name: CCB Acquired: 1/3/2013 16:37:42 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.22786	7.2658	.00248	5.5498	.11921	.09347	10.326	-.0087
Stddev	.16687	4.4140	.82851	.6749	.02543	.05170	3.572	.0503
%RSD	73.232	60.751	33387.	12.161	21.334	55.310	34.596	575.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.04396	.08059	-.28924	2.2992	-2.4381	2.7172	9.8346	.05973
Stddev	.17403	.25910	.59172	.9259	24.628	.6641	11.268	.02687
%RSD	395.88	321.51	204.57	40.270	1010.1	24.440	114.58	44.992
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.57375	14.609	.24524	-.25401	1.606	.91935	1.1977	1.3326
Stddev	.15846	6.639	.43455	1.4458	1.263	.19925	.1907	.0421
%RSD	27.618	45.446	177.19	569.19	78.63	21.673	15.924	3.1610
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 1/3/2013 16:37:42 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**-.45900**	**.30780**	**.17526**	**3.3299**	**-.99292**
Stddev	.83565	1.7545	.11567	2.9586	1.3999
%RSD	182.06	570.02	66.002	88.848	140.99
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6657.6**	**4673.1**	**57602.**	**9829.2**
Stddev	**7**.2	3.1	79.	35.9
%RSD	.10818	.06686	.13636	.36489

Sample Name: 240-19255-a-13-c Acquired: 1/3/2013 16:41:43 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.00550**	**4.1099**	**.22697**	**3.2489**	**.93720**	**.01370**	**160.66**	**.1619**
Stddev	.26253	9.1790	.65076	.1636	.05537	.03508	.34	.0199
%RSD	4773.8	223.34	286.71	5.0340	5.9081	255.98	.20899	12.31
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.00986**	**.38090**	**.92075**	**18.517**	**19.000**	**.76217**	**10.977**	**1.1086**
Stddev	.05899	.16065	.30101	.842	12.884	.74751	19.082	.0188
%RSD	598.24	42.177	32.692	4.5481	67.810	98.077	173.84	1.6961
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.18089**	**228.34**	**.83512**	**-.04090**	**.6971**	**.37677**	**.43936**	**.29585**
Stddev	.08639	2.69	.45971	.48449	.9584	1.2177	.25189	.04794
%RSD	47.760	1.1783	55.047	1184.5	137.5	323.18	57.331	16.204
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-19255-a-13-c Acquired: 1/3/2013 16:41:43 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**-.21133**	**.65537**	**.96104**	**41.726**	**-.07684**
Stddev	1.4704	2.0220	.05729	3.062	5.7478
%RSD	695.79	308.53	5.9607	7.3376	7480.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6679.8**	**4719.1**	**58594.**	**9977.3**
Stddev	1.9	4.3	69.	34.6
%RSD	.02901	.09074	.11821	.34697
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	101.06%	100.34%	100.92%	100.98%
Range				

Sample Name: SD 240-19255-a-13-c@ Acquired: 1/3/2013 16:45:43 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.13485**	**10.204**	**-.76368**	**1.8665**	**.10958**	**.02218**	**61.346**	**-.0169**
Stddev	.30765	12.460	.63890	.1193	.12184	.01356	1.017	.0623
%RSD	228.15	122.12	83.661	6.3934	111.19	61.125	1.6570	369.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.03207**	**.15306**	**.36111**	**3.5028**	**10.811**	**-.48340**	**-9.8967**	**.25568**
Stddev	.07856	.22241	.29812	1.2159	14.956	1.7182	5.6731	.03218
%RSD	244.95	145.31	82.555	34.713	138.34	355.44	57.323	12.586
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.28993**	**46.906**	**.64987**	**-1.2451**	**1.311**	**.54558**	**.10930**	**.03038**
Stddev	.09266	17.512	.28466	1.3299	.925	1.6362	.03466	.14093
%RSD	31.959	37.335	43.803	106.81	70.53	299.90	31.708	463.89
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: SD 240-19255-a-13-c@ Acquired: 1/3/2013 16:45:43 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**-.08668**	**1.0342**	**.72493**	**9.1018**	**.72354**
Stddev	.82976	2.6132	.05379	5.3029	1.5529
%RSD	957.29	252.68	7.4198	58.263	214.63
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6658.7**	**4705.6**	**58159.**	**9901.7**
Stddev	2.4	2.2	166.	46.5
%RSD	.03581	.04708	.28499	.46944
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.74%	100.05%	100.17%	100.22%
Range				

Sample Name: 240-19255-a-13-d ms Acquired: 1/3/2013 16:49:43 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**51.424**	**2022.9**	**2043.4**	**1016.8**	**2022.3**	**50.307**	**51287.**	**51.28**
Stddev	.437	16.7	3.7	1.3	.4	.098	27.	.15
%RSD	.85016	.82319	.17940	.12861	.01880	.19571	.05257	.2975
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**504.61**	**203.51**	**256.63**	**1052.7**	**49021.**	**1012.4**	**50974.**	**522.38**
Stddev	.89	.38	1.21	2.8	43.	.6	81.	1.89
%RSD	.17565	.18740	.47247	.26651	.08825	.06319	.15917	.36155
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1048.3**	**50627.**	**508.82**	**503.80**	**508.1**	**1988.7**	**1958.5**	**1053.6**
Stddev	2.0	41.	.43	.75	.5	4.7	1.3	2.5
%RSD	.19527	.08015	.08459	.14841	.1063	.23577	.06655	.23944
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-19255-a-13-d ms Acquired: 1/3/2013 16:49:43 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**2039.3**	**515.01**	**502.45**	**1094.2**	**1002.0**
Stddev	2.2	2.09	.75	10.1	1.3
%RSD	.10624	.40538	.14982	.92289	.13389
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6160.9**	**4491.4**	**55561.**	**9804.7**
Stddev	9.2	6.4	115.	11.4
%RSD	.14877	.14203	.20694	.11580
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.208%	95.500%	95.695%	99.234%
Range				

Sample Name: 240-19255-a-13-e msd Acquired: 1/3/2013 16:53:21 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**50.933**	**2010.6**	**2050.1**	**1021.1**	**2022.8**	**50.264**	**51267.**	**51.27**
Stddev	.088	25.6	4.7	1.1	2.3	.228	52.	.29
%RSD	.17229	1.2741	.22742	.11251	.11612	.45356	.10190	.5570
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**505.40**	**204.24**	**256.68**	**1053.2**	**49064.**	**1009.9**	**50949.**	**523.81**
Stddev	.31	.25	.63	3.6	90.	1.3	99.	.96
%RSD	.06145	.12120	.24735	.34400	.18295	.12709	.19459	.18302
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1047.2**	**50511.**	**509.85**	**504.47**	**508.2**	**1994.2**	**1962.7**	**1054.7**
Stddev	1.3	68.	.73	1.21	1.3	9.4	3.1	2.2
%RSD	.12284	.13398	.14318	.23904	.2640	.46921	.15567	.21189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-19255-a-13-e msd Acquired: 1/3/2013 16:53:21 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**2043.9**	**512.84**	**504.78**	**1091.6**	**1004.8**
Stddev	2.1	2.62	.34	12.2	4.7
%RSD	.10225	.51143	.06684	1.1207	.46855
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6173.2**	**4505.7**	**55380.**	**9770.7**
Stddev	9.8	4.0	129.	22.6
%RSD	.15884	.08829	.23382	.23160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.395%	95.804%	95.385%	98.890%
Range				

Not needed

Sample Name: PSD 240-19255-a-13-c Acquired: 1/3/2013 16:56:59 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**101.93**	**5061.8**	**304.33**	**3030.6**	**51.408**	**25.625**	**10532.**	**353.9**
Stddev	.13	19.9	1.39	5.7	.244	.071	2.	1.0
%RSD	.12718	.39406	.45660	.18948	.47515	.27583	.01540	.2926
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**152.04**	**207.25**	**471.63**	**4701.4**	**4777.5**	**-.72436**	**3111.8**	**27.641**
Stddev	.31	.62	1.23	10.6	16.1	.60149	20.9	.131
%RSD	.20415	.30088	.26142	.22528	.33709	83.038	.67265	.47213
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**105.87**	**50668.**	**256.54**	**152.39**	**151.6**	**398.14**	**296.28**	**533.37**
Stddev	.38	51.	.24	1.26	1.3	2.14	.51	1.96
%RSD	.35772	.09990	.09285	.82682	.8268	.53753	.17364	.36671
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: PSD 240-19255-a-13-c Acquired: 1/3/2013 16:56:59 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**464.01**	**52.734**	**510.85**	**53.375**	**1.7415**
Stddev	1.38	2.724	.83	5.758	3.4183
%RSD	.29743	5.1656	.16255	10.788	196.29
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6432.2**	**4635.5**	**56872.**	**9967.5**
Stddev	10.6	9.8	44.	12.9
%RSD	.16490	.21174	.07691	.12973
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.313%	98.564%	97.955%	100.88%
Range				

Sample Name: mb 240-70671/1-a Acquired: 1/3/2013 17:00:39 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.26826**	**8.9546**	**-.93039**	**4.6397**	**-.06710**	**-.02806**	**5.3045**	**-.0888**
Stddev	.24345	5.1580	.54245	.5167	.11247	.03158	1.5036	.0631
%RSD	90.753	57.602	58.303	11.137	167.63	112.54	28.346	71.14
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.10292**	**.23346**	**-.39407**	**.77176**	**-.72727**	**-.73375**	**-10.894**	**.37844**
Stddev	.18326	.04632	.60622	.19540	18.645	.75252	8.101	.01791
%RSD	178.06	19.841	153.83	25.318	2563.6	102.56	74.363	4.7332
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.01820**	**12.214**	**.31930**	**-.49805**	**.0832**	**.36292**	**.16176**	**.15353**
Stddev	.20395	10.979	.22686	.58880	.3632	3.1819	.20974	.04427
%RSD	1120.3	89.886	71.049	118.22	436.6	876.75	129.66	28.837
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: mb 240-70671/1-a Acquired: 1/3/2013 17:00:39 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.0178	1.3681	.25348	2.9677	-.53972
Stddev	.5793	.4803	.04944	3.9463	3.5208
%RSD	56.918	35.105	19.504	132.98	652.34
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6716.7	4742.0	58521.	10064.
Stddev	5.6	3.3	266.	14.
%RSD	.08384	.06895	.45432	.14166

Sample Name: lcs 240-70671/2-a Acquired: 1/3/2013 17:04:40 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**52.731**	**2052.1**	**2124.0**	**1074.8**	**2063.1**	**51.749**	**51340.**	**53.21**
Stddev	.567	29.7	2.4	.4	6.2	.035	70.	.24
%RSD	1.0750	1.4489	.11399	.03263	.29956	.06767	.13706	.4443
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**518.62**	**208.60**	**263.07**	**1060.7**	**49242.**	**1030.1**	**51405.**	**538.81**
Stddev	.17	.53	.42	.8	151.	2.8	87.	2.20
%RSD	.03208	.25482	.16008	.07293	.30575	.26848	.16885	.40845
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1060.5**	**50503.**	**523.16**	**517.28**	**522.6**	**2126.8**	**2023.6**	**1076.8**
Stddev	1.7	87.	.90	1.77	1.7	4.5	1.3	5.3
%RSD	.15802	.17273	.17112	.34189	.3318	.21145	.06666	.48823
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Sample Name: lcs 240-70671/2-a Acquired: 1/3/2013 17:04:40 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**2104.3**	**523.73**	**521.61**	**1074.3**	**1024.8**
Stddev	2.8	2.51	.81	4.4	7.6
%RSD	.13204	.47983	.15502	.41191	.74429
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6192.8**	**4536.5**	**55587.**	**9855.3**
Stddev	3.6	4.6	174.	3.9
%RSD	.05761	.10034	.31281	.03929

Sample Name: 240-19034-I-2-b Acquired: 1/3/2013 17:08:18 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.12111	12.897	1.2978	184.72	11.694	-.31405	177820.
Stddev	.08399	3.955	1.2431	.44	.075	.06969	2395.
%RSD	69.347	30.669	95.786	.23819	.64474	22.190	1.3469
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4132	.33323	.91382	-.91609	259.31	3541.1	26.401
Stddev	.0523	.11447	.25149	.30577	1.14	20.8	.559
%RSD	12.65	34.351	27.520	33.378	.43809	.58664	2.1179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	83234.	18.508	1.9397	42450.	1.3920	-1.4375	.4264
Stddev	197.	.100	.0917	52.	.1861	1.4464	1.217
%RSD	.23618	.53979	4.7292	.12329	13.372	100.62	285.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-19034-I-2-b Acquired: 1/3/2013 17:08:18 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.70714**	**.77841**	**-1.3516**	**1.6653**	**-1.2608**	**.83821**	**3936.9**
Stddev	.76344	.16074	.0452	.5200	.5302	.06200	16.2
%RSD	107.96	20.650	3.3442	31.222	42.049	7.3966	.41092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	**18553.**
Stddev	**34.**
%RSD	.18456
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6122.1**	**4446.4**	**54240.**	**9752.6**
Stddev	9.7	8.4	166.	57.7
%RSD	.15910	.18993	.30642	.59151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.621%	94.544%	93.421%	98.707%
Range				

Sample Name: SD 240-19034-I-2-b@5 Acquired: 1/3/2013 17:12:20 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.37242	-5.5411	.15370	36.084	2.3892	-.05642	35995.	.0682
Stddev	.24711	15.633	.91909	.132	.1665	.04518	24.	.0830
%RSD	66.352	282.13	597.97	.36492	6.9696	80.076	.06734	121.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.01588	.25611	-.78495	52.104	681.97	5.2668	16633.	3.7517
Stddev	.10116	.24735	.91528	.755	38.89	.8719	25.	.0372
%RSD	636.94	96.580	116.60	1.4485	5.7021	16.555	.14838	.99284
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.35166	8259.5	.98678	-.58717	2.944	.36828	.23680	-.16054
Stddev	.06716	7.0	.23818	.86409	1.324	1.4069	1.0964	.02207
%RSD	19.098	.08483	24.137	147.16	44.98	382.03	463.03	13.745
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: SD 240-19034-I-2-b@5 Acquired: 1/3/2013 17:12:20 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**.11334**	**-1.3878**	**.79123**	**768.65**	**3713.6**
Stddev	.34463	1.6854	.04760	1.96	5.3
%RSD	304.08	121.44	6.0163	.25470	.14211
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6496.7**	**4619.8**	**56920.**	**9832.9**
Stddev	3.7	3.2	98.	54.2
%RSD	.05728	.06860	.17290	.55121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.289%	98.230%	98.037%	99.520%
Range				

Sample Name: 240-19034-I-2-c ms Acquired: 1/3/2013 17:16:15 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**53.775**	**2044.0**	**2147.3**	**1264.2**	**2071.8**	**50.138**	**221470.**
Stddev	.163	13.3	4.4	2.6	5.7	.009	2504.
%RSD	.30266	.65254	.20434	.20498	.27504	.01698	1.1305
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**53.67**	**512.42**	**203.90**	**263.78**	**1288.7**	**53200.**	**1068.3**
Stddev	.07	.47	.73	.48	2.9	277.	1.4
%RSD	.1247	.09157	.35630	.18086	.22762	.52006	.13150
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**133010.**	**545.53**	**1046.4**	**91910.**	**514.56**	**498.41**	**530.6**
Stddev	295.	1.72	1.2	103.	.94	1.35	1.4
%RSD	.22207	.31557	.11917	.11212	.18261	.27037	.2652
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-19034-I-2-c ms Acquired: 1/3/2013 17:16:15 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2130.0**	**2015.1**	**1067.9**	**2058.4**	**515.18**	**510.71**	**4920.8**
Stddev	3.6	2.5	2.3	2.9	2.22	.81	13.9
%RSD	.16683	.12436	.21118	.14302	.43187	.15893	.28212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	**19132.**
Stddev	26.
%RSD	.13663
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5871.2	4367.5	53436.	9727.6
Stddev	5.3	3.0	64.	68.6
%RSD	.09014	.06896	.11905	.70492
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	88.826%	92.866%	92.037%	98.455%
Range				

Sample Name: CCV Acquired: 1/3/2013 17:20:04 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1012.1**	**24769.**	**514.86**	**5078.7**	**1992.9**	**2062.2**	**50659.**	**507.8**
Stddev	2.9	66.	3.24	2.8	.7	2.7	78.	1.0
%RSD	.28459	.26729	.62992	.05528	.03694	.13161	.15455	.1935
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1995.8**	**1999.4**	**2018.8**	**25523.**	**48358.**	**5101.8**	**50816.**	**2043.5**
Stddev	3.1	5.2	2.6	64.	105.	5.9	74.	10.5
%RSD	.15489	.26016	.12986	.25249	.21737	.11550	.14640	.51178
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2048.7**	**49964.**	**1994.5**	**499.69**	**502.3**	**502.00**	**4961.4**	**5168.0**
Stddev	5.1	22.	2.4	.81	.9	1.91	9.2	24.4
%RSD	.25033	.04405	.11939	.16306	.1807	.38057	.18518	.47226
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Sample Name: CCV Acquired: 1/3/2013 17:20:04 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**1027.9**	**2000.6**	**2023.6**	**5286.8**	**5044.8**
Stddev	4.0	6.4	4.2	76.9	11.0
%RSD	.38549	.32223	.20740	1.4552	.21860
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6111.5**	**4529.4**	**55225.**	**9790.7**
Stddev	10.9	8.2	212.	50.9
%RSD	.17858	.18013	.38351	.52034

Sample Name: CCB Acquired: 1/3/2013 17:23:50 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.11239	.76129	.50331	6.9631	.07330	.05840	11.250	.0609
Stddev	.23473	4.7284	1.0664	.4816	.06707	.06523	.868	.0338
%RSD	208.86	621.10	211.89	6.9161	91.499	111.69	7.7167	55.49
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.08816	.00595	-.14315	2.2412	-6.1588	1.1588	-.78986	.07802
Stddev	.17705	.37145	.33069	.1612	23.974	.4097	11.106	.01926
%RSD	200.82	6247.0	231.01	7.1924	389.27	35.357	1406.0	24.679
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.70052	13.960	.06913	-.45495	-.4660	.13340	.53535	1.2687
Stddev	.12610	6.490	.18252	1.1002	.9861	.96235	.37270	.1019
%RSD	18.001	46.491	264.03	241.84	211.6	721.41	69.619	8.0352
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 1/3/2013 17:23:50 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**.31466**	**-.54979**	**.27311**	**4.6712**	**1.2899**
Stddev	.70370	1.1091	.02542	3.0087	2.6056
%RSD	223.64	201.74	9.3068	64.409	201.99
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6666.0**	**4681.0**	**57711.**	**9823.1**
Stddev	9.7	2.1	116.	22.3
%RSD	.14506	.04489	.20070	.22717

Sample Name: 240-19034-I-2-d msd Acquired: 1/3/2013 17:27:52 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**52.456**	**2019.6**	**2122.7**	**1244.1**	**2037.4**	**49.537**	**217320.**
Stddev	.558	1.5	2.1	3.2	1.2	.124	3139.
%RSD	1.0628	.07245	.09668	.25655	.05899	.24934	1.4442
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**53.23**	**506.21**	**200.87**	**259.12**	**1269.6**	**52714.**	**1051.3**
Stddev	.16	.21	.71	.58	3.6	191.	.6
%RSD	.3050	.04247	.35197	.22508	.28121	.36311	.05411
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**129830.**	**533.17**	**1033.7**	**89661.**	**509.09**	**494.92**	**522.6**
Stddev	126.	1.93	1.3	50.	1.07	.31	3.2
%RSD	.09695	.36195	.12671	.05585	.21037	.06216	.6113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-19034-I-2-d msd Acquired: 1/3/2013 17:27:52 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2100.8**	**1990.5**	**1042.6**	**2040.3**	**507.53**	**505.49**	**4810.2**
Stddev	5.1	4.2	3.8	4.5	1.84	.53	10.1
%RSD	.24225	.20995	.36756	.21935	.36253	.10478	.21037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	**18621.**
Stddev	32.
%RSD	.17078
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5867.2	4364.6	53645.	9670.9
Stddev	6.3	3.6	151.	60.3
%RSD	.10750	.08173	.28194	.62347
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	88.765%	92.805%	92.396%	97.880%
Range				

Sample Name: 240-18925-j-1-b Acquired: 1/3/2013 17:31:38 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.78732**	**47.398**	**10.726**	**315.76**	**160.73**	**-.10997**
Stddev	.18984	4.660	1.067	1.90	.27	.05180
%RSD	24.113	9.8316	9.9460	.60082	.16770	47.106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**66567.**	**-.1255**	**.73991**	**1.0586**	**.08173**	**2843.9**
Stddev	32.	.1346	.24478	.1223	.87887	10.0
%RSD	.04868	107.2	33.083	11.550	1075.3	.35138
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Dilute

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**17868.**	**3.0100**	**6184.4**	**729.05**	**76.861**	F **707750.**
Stddev	28.	.8041	37.2	1.25	.206	2763.
%RSD	.15888	26.712	.60177	.17194	.26815	.39038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500000.
Low Limit						-500000.

Sample Name: 240-18925-j-1-b Acquired: 1/3/2013 17:31:38 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.3187**	**.04316**	**.4201**	**1.6244**	**.42270**	**3.0207**
Stddev	.1750	.43793	1.193	.7644	.28252	.1407
%RSD	4.0523	1014.8	284.1	47.059	66.837	4.6571
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**1.7804**	**2.3494**	**4.5141**	**4617.2**	**1057.5**
Stddev	.8533	1.4058	.0290	5.3	7.8
%RSD	47.927	59.837	.64314	.11489	.73411
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5746.8**	**4353.9**	**51679.**	**9712.6**
Stddev	5.5	7.2	95.	18.9
%RSD	.09617	.16621	.18376	.19504
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	86.944%	92.577%	89.009%	98.302%
Range				

Sample Name: 240-18925-i-1-b Acquired: 1/3/2013 17:35:38 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.63425**	**4.8744**	**9.1160**	**313.40**	**160.09**	**-.09788**
Stddev	.56259	18.798	1.4719	.49	.35	.06391
%RSD	88.702	385.64	16.146	.15526	.21762	65.296
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**65647.**	**-.0597**	**.77595**	**.86327**	**.40611**	**2754.0**
Stddev	84.	.1371	.12408	.15552	.38152	7.3
%RSD	.12801	229.8	15.990	18.015	93.945	.26397
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**17642.**	**5.3499**	**6102.1**	**728.63**	**76.067**	**F 682620.**
Stddev	23.	1.7902	26.8	3.47	.047	4076.
%RSD	.13212	33.462	.43862	.47636	.06119	.59706
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500000.
Low Limit						-500000.

Sample Name: 240-18925-i-1-b Acquired: 1/3/2013 17:35:38 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.9128	-.20998	1.229	-.93149	.52444	1.0313
Stddev	.4045	.76176	1.221	.46905	.44322	.1856
%RSD	10.337	362.78	99.34	50.355	84.513	17.999
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.9940	2.5983	2.1045	4472.7	1041.8
Stddev	.7166	1.8115	.0889	8.0	3.7
%RSD	23.934	69.720	4.2257	.17978	.35097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5739.1	4354.7	51509.	9775.3
Stddev	7.5	7.4	65.	20.2
%RSD	.13037	.16938	.12524	.20666
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	86.828%	92.594%	88.717%	98.937%
Range				

Sample Name: 240-18925-c-2-b Acquired: 1/3/2013 17:39:39 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.30333**	**45.945**	**3.2968**	447.79	**763.66**	**-1.9710**
Stddev	.13639	7.591	.6714	.29	1.25	.0413
%RSD	44.964	16.521	20.364	.06442	.16366	2.0931
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Dilute

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F **978080.**	1.498	**2.2433**	**2.5689**	**-.85391**	**1130.6**
Stddev	8834.	.119	.4259	.1005	.89270	.7
%RSD	.90321	7.949	18.987	3.9119	104.54	.06582
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500000.					
Low Limit	-500000.					

Dilute

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9675.4**	**-.73304**	**212110.**	**8390.7**	**8.5234**	F **1541100.**
Stddev	107.8	.97813	447.	34.2	.4094	24502.
%RSD	1.1141	133.43	.21098	.40767	4.8038	1.5899
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500000.
Low Limit						-500000.

Sample Name: 240-18925-c-2-b Acquired: 1/3/2013 17:39:39 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**14.543**	**-5.1082**	**-1.094**	**1.0324**	**.81795**	**-1.9331**
Stddev	.599	1.1303	.315	2.1984	.17992	.2856
%RSD	4.1213	22.128	28.82	212.95	21.996	14.774
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**7.8306**	**-1.9753**	**2.7917**	**13178.**	**7638.3**
Stddev	.5425	.5762	.0357	10.	5.2
%RSD	6.9275	29.172	1.2778	.07619	.06764
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4795.4**	**3789.9**	**45238.**	**9133.6**
Stddev	3.0	2.2	87.	19.7
%RSD	.06326	.05921	.19187	.21519
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	72.550%	80.584%	77.916%	92.442%
Range				

Sample Name: 240-18925-d-2-b Acquired: 1/3/2013 17:43:55 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.0149**	**2.5448**	**3.8009**	**456.06**	**800.84**	**-2.2263**
Stddev	.2242	5.3515	2.0322	1.42	.87	.0287
%RSD	22.087	210.29	53.467	.31071	.10842	1.2891
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

dilute

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F **1023100.**	**1.442**	**2.8754**	**2.6975**	**-1.4378**	**798.18**
Stddev	9710.	.114	.4512	.1063	.5544	1.50
%RSD	.94907	7.921	15.690	3.9405	38.558	.18849
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500000.					
Low Limit	-500000.					

dilute

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10120.**	**-7.6694**	**224030.**	**9131.3**	**8.8321**	F **1479100.**
Stddev	116.	2.4004	183.	17.7	.2281	11769.
%RSD	1.1443	31.298	.08189	.19398	2.5832	.79569
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500000.
Low Limit						-500000.

Sample Name: 240-18925-d-2-b Acquired: 1/3/2013 17:43:55 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**16.177**	**-4.7040**	**-5.407**	**2.4584**	**.90590**	**-2.6114**
Stddev	.110	1.5091	2.390	3.0436	.66605	.2114
%RSD	.68114	32.082	44.20	123.80	73.524	8.0962
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**8.0173**	**-1.8740**	**4.4013**	**12830.**	**8041.0**
Stddev	.6191	.6303	.1385	44.	8.0
%RSD	7.7222	33.632	3.1462	.34632	.09919
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4759.1**	**3764.7**	**45368.**	**9102.7**
Stddev	8.8	10.6	60.	18.8
%RSD	.18462	.28134	.13291	.20611
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	72.001%	80.048%	78.140%	92.130%
Range				

Sample Name: 240-18953-h-2-a Acquired: 1/3/2013 17:48:11 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.13389**	**-3.6516**	**1.2908**	**10.132**	**46.805**	**-.09567**	**39375.**	**.0758**
Stddev	.20531	8.3927	1.5359	.232	.022	.04274	33.	.1014
%RSD	153.33	229.84	118.99	2.2896	.04800	44.677	.08329	133.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.21894**	**1.4617**	**1.4455**	**5.3085**	**1109.8**	**-1.0781**	**22379.**	**1.4324**
Stddev	.16479	.2081	.2945	1.0354	17.6	1.2885	72.	.0261
%RSD	75.266	14.235	20.374	19.504	1.5881	119.52	.32030	1.8243
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.36246**	**3057.9**	**.86252**	**.40544**	**.8026**	**.56873**	**-.14608**	**-.09023**
Stddev	.14521	17.0	.28840	.46934	1.151	.62701	.28295	.18053
%RSD	40.063	.55537	33.436	115.76	143.4	110.25	193.69	200.08
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-18953-h-2-a Acquired: 1/3/2013 17:48:11 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**1.8214**	**.79408**	**3.0283**	**4602.0**	**43.575**
Stddev	.4269	1.5582	.0389	9.3	1.492
%RSD	23.436	196.23	1.2860	.20316	3.4246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6480.2**	**4627.3**	**56806.**	**9881.3**
Stddev	1.8	3.1	174.	19.4
%RSD	.02848	.06713	.30717	.19680
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.039%	98.389%	97.841%	100.01%
Range				

Sample Name: 240-18953-g-3-a Acquired: 1/3/2013 17:52:08 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.06443**	**-7.8518**	1.3119	**31.814**	**77.863**	**-.08768**	**58342.**	**.3489**
Stddev	.14237	19.366	.5146	.297	.189	.02053	33.	.1511
%RSD	220.98	246.65	39.225	.93431	.24318	23.420	.05684	43.31
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.17302**	**1.4493**	**1.5119**	**17.798**	**2596.4**	**-3.3408**	**33163.**	**.93959**
Stddev	.28981	.2301	.2887	2.535	36.6	.5809	24.	.05563
%RSD	167.50	15.880	19.095	14.243	1.4115	17.387	.07320	5.9205
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.34411**	**8637.0**	**1.8773**	**.73222**	**1.518**	**-.82833**	**.23613**	**-.01153**
Stddev	.19748	12.4	.2428	.87969	.755	.48808	.40317	.08498
%RSD	57.389	.14343	12.933	120.14	49.73	58.923	170.74	736.90
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-18953-g-3-a Acquired: 1/3/2013 17:52:08 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**.81716**	**-1.4093**	**6.1235**	**4865.0**	**72.626**
Stddev	.17782	1.5179	.0459	134.6	2.513
%RSD	21.761	107.70	.74895	2.7660	3.4599
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6350.0**	**4565.9**	**56183.**	**9837.6**
Stddev	7.4	6.7	96.	41.8
%RSD	.11645	.14622	.17026	.42488
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.070%	97.085%	96.767%	99.568%
Range				

Sample Name: 240-18953-g-5-a Acquired: 1/3/2013 17:56:05 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.24109**	**-6.6939**	**1.1306**	**33.715**	**177.89**	**-.13970**	**75926.**	**.5029**
Stddev	.10633	11.161	1.6435	.225	.22	.04585	74.	.0703
%RSD	44.103	166.73	145.37	.66746	.12598	32.821	.09763	13.98
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.29376**	**1.1661**	**2.9558**	**6.5660**	**2328.2**	**-5.0770**	**40991.**	**9.6185**
Stddev	.02691	.1296	.3839	1.1355	26.0	.3670	114.	.0407
%RSD	9.1621	11.114	12.988	17.294	1.1166	7.2292	.27740	.42274
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.92664**	**6933.1**	**8.4997**	**-.61904**	**1.582**	**-.88672**	**.26714**	**.07144**
Stddev	.10307	27.6	.3530	.72836	1.120	.67147	.24858	.15109
%RSD	11.123	.39773	4.1536	117.66	70.78	75.725	93.052	211.50
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-18953-g-5-a Acquired: 1/3/2013 17:56:05 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**1.6116**	**-1.3564**	**124.24**	**6285.8**	**116.41**
Stddev	.3746	1.2676	.31	3.2	2.94
%RSD	23.246	93.455	.24968	.05141	2.5226
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6331.6**	**4557.1**	**55795.**	**9808.0**
Stddev	5.1	1.8	56.	22.9
%RSD	.08054	.03973	.10109	.23317
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.791%	96.897%	96.100%	99.268%
Range				

Sample Name: 240-18953-g-6-a Acquired: 1/3/2013 17:59:58 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.61154**	**-6.6399**	**2.0225**	**9.8197**	**182.84**	**-.12424**	**45545.**	**.1807**
Stddev	.27244	10.497	1.2345	.0646	.13	.00945	71.	.0296
%RSD	44.550	158.10	61.036	.65807	.07026	7.6093	.15601	16.38
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.19609**	**1.0707**	**1.0086**	**16.525**	**1130.1**	**-2.4861**	**25651.**	**.31445**
Stddev	.28827	.1071	.1312	.273	24.6	2.3032	75.	.01709
%RSD	147.01	9.9983	13.006	1.6528	2.1750	92.646	.29281	5.4358
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.09547**	**3825.2**	**.76478**	**.02922**	**1.027**	**.71751**	**-.23203**	**.09262**
Stddev	.08945	8.6	.02725	1.4035	1.587	1.6699	.37958	.06364
%RSD	93.689	.22545	3.5635	4803.4	154.5	232.74	163.60	68.715
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-18953-g-6-a Acquired: 1/3/2013 17:59:58 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**1.4605**	**-.42120**	**8.4856**	**4867.1**	**51.232**
Stddev	.4749	1.3851	.0362	10.4	3.539
%RSD	32.520	328.85	.42613	.21343	6.9074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6429.9**	**4600.7**	**56700.**	**9842.3**
Stddev	8.0	2.5	228.	50.9
%RSD	.12486	.05401	.40262	.51688
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.279%	97.824%	97.658%	99.615%
Range				

Sample Name: 240-18953-g-7-a Acquired: 1/3/2013 18:03:54 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.27637**	**2.6101**	**.94452**	**9.6170**	**187.05**	**-.10437**	**45061.**	**.1434**
Stddev	.03978	3.2915	.39879	.1217	.48	.02379	76.	.0384
%RSD	14.395	126.11	42.222	1.2657	.25892	22.790	.16869	26.77
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.02052**	**.73771**	**.81372**	**2.3875**	**1111.7**	**-2.6800**	**25506.**	**.43004**
Stddev	.12577	.05643	.41721	1.0975	13.4	1.7161	26.	.02379
%RSD	612.96	7.6497	51.272	45.970	1.2054	64.035	.10362	5.5325
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.11704**	**3846.5**	**.59790**	**.49945**	**.9680**	**-.25999**	**-.16188**	**.12332**
Stddev	.07563	9.9	.36245	.30796	.2365	.98835	.16792	.05790
%RSD	64.619	.25742	60.621	61.660	24.44	380.15	103.73	46.952
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-18953-g-7-a Acquired: 1/3/2013 18:03:54 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**.82525**	**.10422**	**7.9791**	**4809.4**	**47.691**
Stddev	.41180	.86867	.0532	19.4	1.780
%RSD	49.901	833.46	.66726	.40283	3.7329
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6464.6**	**4639.4**	**56639.**	**9945.9**
Stddev	5.6	1.8	156.	9.0
%RSD	.08657	.03909	.27578	.09030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.802%	98.648%	97.554%	100.66%
Range				

Sample Name: CCV Acquired: 1/3/2013 18:07:50 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1011.2**	**25009.**	**517.66**	**5086.6**	**2004.6**	**2065.0**	**51103.**	**510.3**
Stddev	.8	21.	1.08	9.4	1.6	3.5	12.	.5
%RSD	.07611	.08563	.20770	.18473	.08175	.17133	.02410	.1035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2007.8**	**2012.6**	**2018.2**	**25643.**	**49066.**	**5120.3**	**51012.**	**2044.6**
Stddev	1.5	2.3	2.6	46.	67.	4.0	84.	5.9
%RSD	.07542	.11623	.13050	.17991	.13741	.07801	.16481	.28995
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2064.7**	**49763.**	**2005.4**	**503.73**	**503.0**	**504.37**	**4978.1**	**5249.5**
Stddev	4.4	38.	2.0	2.37	1.1	1.93	8.3	14.9
%RSD	.21087	.07565	.09867	.47021	.2205	.38236	.16653	.28312
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Sample Name: CCV Acquired: 1/3/2013 18:07:50 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**1031.1**	**2023.0**	**2037.4**	**5345.4**	**5072.8**
Stddev	1.4	3.1	1.9	66.2	3.4
%RSD	.13274	.15533	.09220	1.2391	.06778
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6076.9**	**4497.8**	**54709.**	**9631.4**
Stddev	12.7	9.2	74.	36.9
%RSD	.20868	.20413	.13490	.38340

Sample Name: CCB Acquired: 1/3/2013 18:11:39 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.39164**	**7.0618**	**-.01742**	**5.1065**	**.09270**	**.03836**	**14.083**	**-.1031**
Stddev	.07101	8.4140	.34611	.3501	.15304	.04561	1.498	.0724
%RSD	18.131	119.15	1987.1	6.8553	165.10	118.88	10.634	70.15
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.10405**	**-.07222**	**-.11816**	**2.7507**	**2.2762**	**1.0731**	**5.2148**	**.11917**
Stddev	.16064	.38937	.67832	.3841	43.937	.4685	11.819	.03130
%RSD	154.39	539.11	574.08	13.964	1930.3	43.656	226.65	26.260
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.59655**	**97.888**	**-.04329**	**-.52749**	**2.408**	**-.17028**	**1.0311**	**1.4286**
Stddev	.04464	2.711	.13808	.82140	1.148	.25963	.4438	.0575
%RSD	7.4830	2.7694	318.99	155.72	47.66	152.48	43.037	4.0266
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 1/3/2013 18:11:39 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**.61180**	**1.1234**	**.13141**	**6.4061**	**-.16539**
Stddev	.77311	1.0057	.03840	4.2881	.86844
%RSD	126.37	89.519	29.217	66.938	525.09
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6636.1**	**4660.0**	**57173.**	**9770.2**
Stddev	14.6	5.6	16.	58.0
%RSD	.22071	.12115	.02808	.59409

Sample Name: 240-18953-g-8-a Acquired: 1/3/2013 18:15:40 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.02137**	**-.55935**	**-.04570**	**3.4460**	**7.0235**	**-.00574**	**1125.8**	**-.0054**
Stddev	.22634	4.5626	.98228	.2354	.1631	.01753	3.2	.1803
%RSD	1059.3	815.70	2149.6	6.8308	2.3227	305.39	.28633	3345.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.25984**	**.29595**	**-.34888**	**5.9300**	**37.831**	**.59835**	**533.98**	**.49232**
Stddev	.04538	.31168	.51319	.4376	11.677	.20974	14.64	.02872
%RSD	17.465	105.31	147.10	7.3792	30.867	35.052	2.7411	5.8340
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.30412**	**224.32**	**.63737**	**-.52903**	**.7448**	**.31598**	**.52426**	**.18737**
Stddev	.14523	12.40	.42075	1.1409	1.022	1.1701	.35551	.16913
%RSD	47.754	5.5279	66.014	215.66	137.2	370.30	67.811	90.266
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-18953-g-8-a Acquired: 1/3/2013 18:15:40 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

MCM CCV1

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**.81816**	**.26034**	**3.6618**	**153.01**	**4.9749**
Stddev	.43717	.52652	.0618	1.06	1.3947
%RSD	53.433	202.24	1.6867	.69101	28.036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6689.9**	**4725.2**	**57919.**	**9924.6**
Stddev	10.3	6.1	73.	27.8
%RSD	.15374	.12867	.12666	.27986
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	101.21%	100.47%	99.758%	100.45%
Range				

Sample Name: mb 240-70677/1-a Acquired: 1/3/2013 18:19:38 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.51621	4.5877	-.60712	2.0969	.83551	-.06849	381.40	-.0775
Stddev	.17423	2.5156	1.4134	.3369	.09930	.02046	.91	.1393
%RSD	33.751	54.833	232.81	16.068	11.885	29.869	.23923	179.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.01895	-.12383	.63905	9.8362	-1.1264	.23984	60.651	.86657
Stddev	.18047	.02656	.55942	.7033	15.168	.18178	8.813	.03971
%RSD	952.22	21.451	87.540	7.1499	1346.6	75.794	14.531	4.5820
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.08057	107.05	.34379	-.53764	1.828	1.1534	-.09703	-.00978
Stddev	.13647	6.14	.15102	.18884	1.817	.8111	.14706	.19631
%RSD	169.39	5.7363	43.929	35.124	99.37	70.321	151.57	2006.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: mb 240-70677/1-a Acquired: 1/3/2013 18:19:38 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**1.5564**	**-.15895**	**3.7855**	**1.4640**	**3.0531**
Stddev	.4095	2.0809	.0396	3.0765	4.2042
%RSD	26.312	1309.2	1.0453	210.15	137.70
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6705.0**	**4726.8**	**58133.**	**9961.5**
Stddev	9.9	6.6	62.	17.0
%RSD	.14838	.13968	.10749	.17029

Sample Name: lcs 240-70677/2-a Acquired: 1/3/2013 18:23:36 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**49.191**	**1879.5**	**1956.2**	**989.36**	**1896.1**	**47.463**	**47462.**	**49.42**
Stddev	.616	6.3	6.9	.79	2.5	.050	47.	.12
%RSD	1.2526	.33739	.35078	.08010	.13263	.10634	.09917	.2471
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**478.11**	**192.56**	**243.14**	**979.80**	**45097.**	**942.80**	**47338.**	**497.65**
Stddev	.76	.25	1.23	2.57	35.	1.65	15.	.50
%RSD	.15913	.13234	.50469	.26278	.07870	.17490	.03215	.10029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**968.82**	**46319.**	**481.87**	**474.11**	**483.4**	**1966.5**	**1864.4**	**993.21**
Stddev	1.87	81.	1.26	.37	2.1	1.6	4.0	1.02
%RSD	.19271	.17526	.26077	.07833	.4250	.08093	.21203	.10252
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Sample Name: lcs 240-70677/2-a Acquired: 1/3/2013 18:23:36 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**1940.1**	**481.27**	**484.68**	**981.44**	**945.32**
Stddev	5.8	.83	1.54	3.51	1.10
%RSD	.29740	.17195	.31702	.35752	.11622
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6208.0**	**4540.1**	**55433.**	**9829.8**
Stddev	11.8	7.6	215.	15.2
%RSD	.19058	.16669	.38706	.15465

Sample Name: 240-19303-g-1-a Acquired: 1/3/2013 18:27:14 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.51188**	**422.18**	**2.7659**	**30.121**	**12.650**	**.01406**	**12558.**	**-.0261**
Stddev	.43666	14.21	.4061	.299	.068	.02278	9.	.0626
%RSD	85.305	3.3658	14.681	.99258	.53364	162.04	.06875	239.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.57437**	**1.3422**	**9.8726**	**592.68**	**4881.4**	**.77862**	**3037.4**	**34.562**
Stddev	.31280	.0498	.4079	2.60	19.3	1.6087	16.2	.122
%RSD	54.459	3.7127	4.1317	.43889	.39627	206.61	.53302	.35161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.1650**	**5693.0**	**3.7664**	**3.4386**	**3.130**	**-.08540**	**.73888**	**10.681**
Stddev	.0939	5.6	.1438	.1290	1.474	1.2748	.13022	.275
%RSD	8.0593	.09771	3.8187	3.7514	47.09	1492.7	17.624	2.5743
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-19303-g-1-a Acquired: 1/3/2013 18:27:14 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**1.4483**	**2.0877**	**82.150**	**1758.7**	**45.452**
Stddev	.3997	1.6058	.032	4.4	2.095
%RSD	27.600	76.915	.03861	.25066	4.6098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6589.2**	**4665.8**	**57281.**	**9910.3**
Stddev	6.3	4.5	149.	16.9
%RSD	.09544	.09627	.26018	.17032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.689%	99.209%	98.658%	100.30%
Range				

Sample Name: SD 240-19303-g-1-a@5 Acquired: 1/3/2013 18:31:08 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.17625**	**124.53**	**.49316**	**6.5238**	**2.7071**	**-.03618**	**2540.3**	**.0816**
Stddev	.19179	8.71	.42731	.1714	.0815	.01025	6.1	.1182
%RSD	108.82	6.9910	86.647	2.6269	3.0097	28.340	.23900	144.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.00074**	**.42398**	**1.7201**	**122.74**	**985.82**	**-.63299**	**598.72**	**7.0151**
Stddev	.08291	.21745	.4579	.79	3.52	.34736	6.92	.0453
%RSD	11154.	51.286	26.622	.64570	.35751	54.877	1.1551	.64565
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.36398**	**1165.8**	**1.3438**	**.25429**	**.6047**	**-.84905**	**.33631**	**4.1352**
Stddev	.08758	6.5	.1206	.67611	1.370	1.6596	.19575	.0155
%RSD	24.061	.55870	8.9754	265.88	226.6	195.47	58.206	.37453
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: SD 240-19303-g-1-a@5 Acquired: 1/3/2013 18:31:08 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**.59389**	**.50747**	**16.566**	**405.57**	**11.345**
Stddev	1.1277	1.0151	.145	5.64	2.465
%RSD	189.89	200.03	.87456	1.3915	21.727
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6656.3**	**4705.0**	**57513.**	**9854.2**
Stddev	13.3	17.2	147.	31.6
%RSD	.20036	.36656	.25564	.32025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.70%	100.04%	99.059%	99.736%
Range				

Sample Name: 240-19303-g-1-b ms Acquired: 1/3/2013 18:35:05 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**52.784**	**2662.1**	**2091.6**	**1085.5**	**2042.5**	**50.681**	**62687.**	**52.48**
Stddev	.272	14.7	5.0	2.8	1.5	.074	78.	.07
%RSD	.51594	.55138	.23679	.26224	.07257	.14625	.12457	.1284
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**509.85**	**206.96**	**270.28**	**1694.3**	**53308.**	**1011.0**	**53497.**	**565.09**
Stddev	.54	.65	.26	3.0	30.	1.6	153.	1.24
%RSD	.10496	.31400	.09663	.17889	.05590	.15418	.28538	.21997
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1041.4**	**55195.**	**516.00**	**507.59**	**517.0**	**2088.5**	**1989.9**	**1079.4**
Stddev	2.7	64.	.14	.92	3.0	6.7	5.9	3.0
%RSD	.26272	.11601	.02655	.18050	.5881	.32150	.29463	.27764
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-19303-g-1-b ms Acquired: 1/3/2013 18:35:05 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**2070.5**	**516.63**	**598.34**	**3193.5**	**1051.5**
Stddev	2.6	1.68	1.03	8.8	2.5
%RSD	.12666	.32593	.17202	.27572	.24053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6167.5**	**4529.2**	**55238.**	**9837.2**
Stddev	11.5	9.9	174.	28.3
%RSD	.18693	.21932	.31556	.28775
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.309%	96.304%	95.141%	99.563%
Range				

Sample Name: 240-19303-g-1-c msd Acquired: 1/3/2013 18:38:43 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**52.673**	**2636.8**	**2112.8**	**1090.5**	**2045.9**	**50.664**	**63251.**	**52.81**
Stddev	.258	16.0	6.2	1.2	2.6	.138	16.	.03
%RSD	.49032	.60837	.29202	.11341	.12537	.27285	.02481	.0528
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**511.98**	**207.09**	**270.48**	**1679.4**	**53826.**	**1014.5**	**53668.**	**566.99**
Stddev	.27	.28	.55	3.4	122.	1.7	51.	.61
%RSD	.05231	.13597	.20399	.20292	.22574	.17197	.09547	.10828
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1047.7**	**55462.**	**518.60**	**510.67**	**518.8**	**2096.8**	**1993.7**	**1078.3**
Stddev	1.5	70.	.70	1.97	.5	3.1	2.1	1.8
%RSD	.14591	.12537	.13514	.38536	.1047	.14918	.10491	.17073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-19303-g-1-c msd Acquired: 1/3/2013 18:38:43 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	TI1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**2080.5**	**515.48**	**598.00**	**3174.8**	**1052.5**
Stddev	5.2	2.76	.33	11.3	1.4
%RSD	.24944	.53548	.05490	.35446	.13143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6158.8**	**4520.2**	**55100.**	**9791.3**
Stddev	5.9	4.3	138.	15.8
%RSD	.09619	.09464	.24981	.16165
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.176%	96.113%	94.903%	99.099%
Range				

Sample Name: 240-18972-bk-3-a Acquired: 1/3/2013 18:42:21 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**106.74**	**378.98**	**272.94**	F **93770.**	**345.43**	**-.26264**
Stddev	.47	21.19	2.10	607.	.64	.00711
%RSD	.44200	5.5915	.76836	.64782	.18671	2.7054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				20000.		
Low Limit				-500000.		

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**378230.**	F **24510.**	**252.99**	**82.613**	**6719.2**	**76.079**
Stddev	3498.	203.	2.04	.459	15.9	1.776
%RSD	.92481	.8277	.80722	.55593	.23597	2.3338
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2000.				
Low Limit		-500000.				

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F **3390300.**	F **91418.**	**212880.**	**2002.4**	**1723.2**	^ *****
Stddev	17028.	648.	572.	2.5	21.6	-----
%RSD	.50226	.70862	.26890	.12695	1.2562	-----
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500000.	50000.				
Low Limit	-500000.	-500000.				

Sample Name: 240-18972-bk-3-a Acquired: 1/3/2013 18:42:21 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**178.**16	**1112.2**	**1896.**	**804.45**	**11.704**	**45.661**
Stddev	.92	8.8	17.	4.17	.651	.699
%RSD	.51492	.78855	.9069	.51867	5.5594	1.5304
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**416.98**	**66.238**	F **31744.**	**25762.**	**4844.6**
Stddev	6.05	1.173	185.	114.	18.7
%RSD	1.4515	1.7716	.58279	.44107	.38510
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			10000.		
Low Limit			-500000.		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	W **2463.4**	W **2122.6**	W **26580.**	**7281.4**
Stddev	1.7	7.2	21.	29.3
%RSD	.06794	.33771	.07969	.40200
Check ?	Chk Warn	Chk Warn	Chk Warn	Chk Pass
Value	37.269%	45.133%	45.780%	73.696%
Range	-30.500%	-30.500%	-30.500%	

Sample Name: 240-19324-a-15-a Acquired: 1/3/2013 18:46:40 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.36145	13607.	31.494	266.94	776.87	.26979	175730.
Stddev	.07882	31.	.953	2.28	1.22	.06593	3224.
%RSD	21.807	.23125	3.0266	.85265	.15668	24.438	1.8347
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5856	8.4710	17.062	11.535	20509.	23260.	38.419
Stddev	.2169	.2479	.094	.125	14.	153.	1.030
%RSD	37.04	2.9263	.55296	1.0859	.06826	.65830	2.6811
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	59143.	3970.8	8.1797	46049.	23.909	8.7496	-.2977
Stddev	164.	2.8	.1940	112.	.131	.8275	2.097
%RSD	.27716	.06994	2.3720	.24224	.54920	9.4576	704.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-19324-a-15-a Acquired: 1/3/2013 18:46:40 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.0828**	**1.1197**	**315.33**	**3.9514**	**33.706**	**56.899**	**44062.**
Stddev	1.3498	.1792	2.58	.5509	.199	.063	1042.
%RSD	64.807	16.005	.81739	13.942	.59100	.11002	2.3637
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	**2051.5**
Stddev	9.5
%RSD	.46469
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6051.7**	**4585.7**	**55834.**	**9944.4**
Stddev	10.0	6.1	118.	15.1
%RSD	.16532	.13390	.21103	.15207
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.557%	97.506%	96.166%	100.65%
Range				

Sample Name: 240-19324-a-19-a Acquired: 1/3/2013 18:50:45 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.45463**	**5504.1**	**15.386**	**235.23**	**1703.5**	**-.29652**	**273240.**
Stddev	.37059	38.1	2.500	.37	1.3	.05363	1766.
%RSD	81.514	.69299	16.252	.15739	.07865	18.087	.64616
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.6096**	**7.3795**	**7.3086**	**1.6318**	**28341.**	**9516.4**	**22.953**
Stddev	.1071	.2342	.0994	.5072	21.	20.7	.147
%RSD	17.57	3.1735	1.3603	31.080	.07549	.21737	.64241
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**113170.**	**602.90**	**.21920**	**101560.**	**6.2776**	**1.7457**	**-.4225**
Stddev	213.	1.62	.10138	195.	.4163	.7861	.6772
%RSD	.18789	.26889	46.251	.19223	6.6317	45.030	160.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-19324-a-19-a Acquired: 1/3/2013 18:50:45 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.2452**	**.98303**	**141.67**	**3.6792**	**11.299**	**17.421**	**33611.**
Stddev	1.9438	.40218	1.03	.8942	1.377	.145	146.
%RSD	156.11	40.912	.72675	24.303	12.186	.83446	.43316
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	**1163.5**
Stddev	10.2
%RSD	.87380
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5850.4**	**4416.1**	**53983.**	**9571.7**
Stddev	8.0	4.3	126.	20.0
%RSD	.13622	.09788	.23393	.20851
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	88.511%	93.900%	92.978%	96.877%
Range				

Sample Name: CCV Acquired: 1/3/2013 18:54:42 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1016.8**	**24943.**	**515.64**	**5120.3**	**2000.1**	**2069.5**	**51079.**
Stddev	.1	6.	1.71	7.7	2.7	1.8	36.
%RSD	.01160	.02248	.33106	.15053	.13657	.08651	.07124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**510.0**	**2008.3**	**2019.0**	**2034.4**	**25714.**	**48759.**	**5074.0**
Stddev	.8	1.9	3.1	3.5	19.	74.	5.4
%RSD	.1657	.09226	.15475	.17074	.07501	.15167	.10653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**51216.**	**2059.4**	**2060.9**	**46875.**	**2003.7**	**500.74**	**502.5**
Stddev	39.	16.7	3.5	167.	1.8	2.18	1.7
%RSD	.07658	.81066	.17117	.35566	.08762	.43608	.3480
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Sample Name: CCV Acquired: 1/3/2013 18:54:42 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

✓

Elem	Se1960	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**504.18**	**4993.9**	**5281.2**	**1034.9**	**2016.9**	**2037.0**	F **5778.7**
Stddev	1.68	16.4	17.2	3.0	5.3	2.0	119.3
%RSD	.33234	.32937	.32614	.28534	.26437	.09758	2.0650
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value							5000.0
Range							10.500%

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	**5078.2**
Stddev	18.2
%RSD	.35830
Check ?	Chk Pass
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6093.0**	**4521.4**	**54854.**	**9622.6**
Stddev	7.5	5.4	56.	5.9
%RSD	.12256	.11986	.10229	.06110

Sample Name: CCB Acquired: 1/3/2013 18:58:31 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.21958**	**9.3407**	**-.67576**	**27.694**	**.09522**	**.05781**	**7.7551**	**-.0152**
Stddev	.76888	2.8772	.31094	.500	.25697	.04560	2.0573	.0746
%RSD	350.16	30.803	46.013	1.8068	269.88	78.887	26.528	490.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.10615**	**-.18517**	**-.22077**	**1.8580**	**169.72**	**1.6059**	**2.6302**	**.04954**
Stddev	.18977	.17433	.39074	.7304	31.63	1.1212	24.308	.02618
%RSD	178.77	94.144	176.99	39.311	18.638	69.813	924.18	52.837
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.66143**	**612.93**	**.05709**	**.10122**	**1.486**	**.65667**	**.37908**	**1.3032**
Stddev	.06296	10.49	.19211	.71142	.549	1.6451	.21943	.0690
%RSD	9.5183	1.7117	336.48	702.83	36.91	250.52	57.885	5.2952
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 1/3/2013 18:58:31 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**-.35841**	**-1.3810**	**.23230**	**92.898**	**2.1315**
Stddev	.15468	.8963	.07219	14.068	4.5174
%RSD	43.157	64.901	31.075	15.143	211.93
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6597.0**	**4665.4**	**57298.**	**9637.2**
Stddev	6.8	8.6	169.	17.0
%RSD	.10330	.18339	.29418	.17664

Sample Name: 240-19339-b-1-b Acquired: 1/3/2013 19:02:32 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.46760**	**27.407**	**1.3579**	**138.54**	**79.343**	**-.18352**	**89614.**	**.2638**
Stddev	.27568	7.579	1.0730	.98	.260	.03956	135.	.1754
%RSD	58.955	27.653	79.021	.70736	.32829	21.557	.15022	66.47
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.09031**	**.75816**	**-.56060**	**2955.0**	**2512.7**	**27.215**	**46646.**	**20.177**
Stddev	.18669	.29823	.33024	2.8	1.3	.481	195.	.126
%RSD	206.72	39.336	58.909	.09390	.04988	1.7661	.41863	.62526
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**123.15**	**15846.**	**.51359**	**-.63047**	**.3818**	**-.74209**	**.43245**	**-.22402**
Stddev	.31	43.	.21820	.21180	1.930	.76196	.41351	.05770
%RSD	.24957	.26834	42.484	33.594	505.7	102.68	95.621	25.756
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-19339-b-1-b Acquired: 1/3/2013 19:02:32 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**2.0961**	**-1.7457**	**2.0777**	**8890.6**	**5672.4**
Stddev	.3179	1.4221	.0185	18.5	14.3
%RSD	15.166	81.460	.89045	.20842	.25278
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6310.0**	**4565.8**	**55875.**	**9689.0**
Stddev	14.4	11.9	198.	44.0
%RSD	.22760	.26053	.35422	.45364
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.464%	97.081%	96.237%	98.063%
Range				

Sample Name: 240-19339-b-2-b Acquired: 1/3/2013 19:06:23 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.36369**	**2.4235**	**1.8701**	**255.42**	**42.333**	**-.19962**	**100900.**
Stddev	.09483	7.5559	.7575	.81	.286	.03131	1084.
%RSD	26.074	311.77	**40.506**	.31832	.67614	15.686	1.0744
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3152**	**.97465**	**.92917**	**-.39105**	**2221.3**	**2793.9**	**27.310**
Stddev	.1390	.02124	.11369	.41719	5.9	26.6	1.249
%RSD	44.10	2.1791	12.235	106.69	.26480	.95101	4.5730
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**43902.**	**15.214**	**108.62**	**24383.**	**1.4488**	**-.43014**	**.4406**
Stddev	42.	.103	.13	27.	1.3407	.46268	1.528
%RSD	.09535	.67717	.11537	.10968	92.540	107.56	346.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-19339-b-2-b Acquired: 1/3/2013 19:06:23 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.50908**	**.57632**	**-1.3187**	**1.1960**	**.70471**	**1.2281**	**8341.6**
Stddev	1.0796	.24708	.1611	.3912	.92815	.5176	12.1
%RSD	212.07	42.872	12.217	32.710	131.71	42.147	.14451
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	**19451.**
Stddev	14.
%RSD	.07437
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6271.4**	**4547.9**	**55429.**	**9757.6**
Stddev	17.7	8.5	181.	44.8
%RSD	.28225	.18736	.32700	.45924
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.880%	96.702%	95.470%	98.758%
Range				

Sample Name: 240-19339-b-3-b Acquired: 1/3/2013 19:10:16 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.21463**	**858.03**	**1.3520**	**525.15**	**40.074**	**-.14524**	**96275.**	**.2212**
Stddev	.11981	3.34	1.5291	.79	.039	.01209	36.	.1430
%RSD	55.825	.38887	113.10	.15000	.09835	8.3263	.03719	64.67
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.58713**	**1.4680**	**-.39872**	**2334.0**	**3781.4**	**28.537**	**35622.**	**24.378**
Stddev	.26431	.3464	.23497	2.2	37.2	.294	119.	.093
%RSD	45.017	23.600	58.930	.09303	.98402	1.0294	.33388	.38090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**115.63**	**45983.**	**1.5989**	**-.56969**	**.7759**	**-.38241**	**.10246**	**11.028**
Stddev	.34	31.	.0309	1.9817	1.632	.94210	.14666	1.239
%RSD	.29615	.06810	1.9349	347.85	210.3	246.36	143.14	11.232
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-19339-b-3-b Acquired: 1/3/2013 19:10:16 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**2.0034**	**1.5787**	**2.3413**	**8389.6**	**20696.**
Stddev	.7289	.8734	.0087	19.8	29.
%RSD	36.382	55.323	.37236	.23570	.14224
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6258.0**	**4534.4**	**55460.**	**9730.3**
Stddev	12.1	7.6	98.	20.1
%RSD	.19398	.16765	.17611	.20657
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.678%	96.414%	95.523%	98.482%
Range				

Sample Name: 240-19339-b-4-b Acquired: 1/3/2013 19:14:04 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.27846	25.422	1.9862	226.86	76.859	-.23706	105230.
Stddev	.11181	7.153	.3949	.24	.168	.05300	868.
%RSD	40.151	28.137	19.881	.10409	.21879	22.358	.82511
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3042	.09281	1.0198	-.97710	2947.6	2731.8	24.405
Stddev	.1523	.03610	.0268	.43332	7.1	11.3	1.278
%RSD	50.07	38.893	2.6280	44.348	.23972	.41499	5.2376
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	44791.	11.453	102.37	22247.	.83992	-1.0402	.2089
Stddev	61.	.013	.08	46.	.36295	.8400	1.745
%RSD	.13514	.11719	.07748	.20787	43.213	80.755	835.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-19339-b-4-b Acquired: 1/3/2013 19:14:04 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.54558**	**.30028**	**-1.3488**	**1.8595**	**-1.0329**	**1.2645**	**8378.6**
Stddev	.68953	.70894	.2151	.9882	.3047	.0891	12.6
%RSD	126.38	236.09	15.946	53.142	29.501	7.0457	.15015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	**21948.**
Stddev	**47.**
%RSD	.21585
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6225.1**	**4511.9**	**55015.**	**9717.7**
Stddev	11.7	11.4	126.	16.8
%RSD	.18727	.25203	.22896	.17334
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.180%	95.937%	94.756%	98.354%
Range				

Sample Name: 240-19339-b-5-a Acquired: 1/3/2013 19:18:02 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.28598**	**58.716**	**30.684**	**236.67**	**149.52**	**-.22873**	**99371.**	**.2976**
Stddev	.36627	11.675	.970	.46	.09	.07214	192.	.0673
%RSD	128.08	19.884	3.1618	.19319	.06086	31.542	.19337	22.62
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.23715**	**.91819**	**-.05334**	**2553.4**	**2728.3**	**25.917**	**39280.**	**99.268**
Stddev	.09891	.30276	.75441	5.9	4.3	1.559	50.	.326
%RSD	41.706	32.974	1414.3	.23162	.15617	6.0144	.12791	.32799
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**114.25**	**30703.**	**1.6549**	**-.55630**	**.6302**	**.84281**	**.25217**	**-.38189**
Stddev	.12	33.	.1742	.45455	.4947	1.6474	.46109	.14702
%RSD	.10256	.10726	10.526	81.709	78.50	195.47	182.85	38.498
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-19339-b-5-a Acquired: 1/3/2013 19:18:02 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**2.0009**	**.49090**	4.**0170**	**9630.6**	**11371.**
Stddev	.1555	.70378	.0049	22.1	21.
%RSD	7.7715	143.37	.12161	.22919	.18507
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6276.5**	**4558.8**	**55407.**	**9697.3**
Stddev	6.2	4.2	112.	52.9
%RSD	.09913	.09255	.20297	.54531
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.958%	96.934%	95.431%	98.147%
Range				

Sample Name: 240-19339-b-6-a Acquired: 1/3/2013 19:21:52 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.17848**	**61.794**	**31.930**	**237.66**	**151.69**	**-.22936**	**100760.**
Stddev	.06691	11.318	2.091	.55	.30	.04547	104.
%RSD	37.490	18.316	6.5490	.23120	.19763	19.824	.10320
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2940**	**.37057**	**.85947**	**-.26054**	**2580.3**	**2764.1**	**25.456**
Stddev	.1608	.06875	.13007	.32310	13.2	50.1	.515
%RSD	54.70	18.553	15.133	124.01	.51183	1.8124	2.0244
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**39682.**	**99.275**	**115.63**	**31149.**	**1.6957**	**.19787**	**-1.320**
Stddev	122.	.072	.35	58.	.5041	.97779	.736
%RSD	.30645	.07287	.30315	.18514	29.729	494.16	55.79
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-19339-b-6-a Acquired: 1/3/2013 19:21:52 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.43319**	**.49117**	**-.47901**	**2.0578**	**.30705**	**2.7392**	**9758.9**
Stddev	1.5991	.31346	.07274	.3261	1.6052	.0870	23.4
%RSD	369.15	63.819	15.185	15.846	522.79	3.1745	.24010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	**11512.**
Stddev	8.
%RSD	.07290
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6260.0**	**4549.2**	**55620.**	**9704.8**
Stddev	10.2	6.5	43.	33.0
%RSD	.16356	.14212	.07662	.34037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.707%	96.730%	95.797%	98.223%
Range				

Sample Name: 240-19355-a-1-a Acquired: 1/3/2013 19:25:44 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.40818**	**-4.0798**	**6.1466**	**344.82**	**26.301**	**-.31419**	**155290.**
Stddev	.49984	12.047	.8322	.99	.173	.07556	2505.
%RSD	122.46	295.29	13.539	.28702	.65897	24.050	1.6131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3023**	**.70388**	**.72261**	**5.7620**	**1502.2**	**3039.4**	**.50154**
Stddev	.1010	.06470	.22203	.6145	3.4	6.0	.81955
%RSD	33.40	9.1915	30.726	10.664	.22323	.19704	163.41
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**56711.**	**189.16**	**31.385**	**46352.**	**2.6170**	**1.1305**	**1.502**
Stddev	129.	.35	.221	78.	.2126	.3356	2.203
%RSD	.22782	.18251	.70549	.16754	8.1247	29.687	146.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-19355-a-1-a Acquired: 1/3/2013 19:25:44 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.0598**	**.44966**	**-.89905**	**2.6052**	**.01537**	**136.50**	**4935.6**
Stddev	.5674	.47557	.17857	.1772	.42868	.26	149.7
%RSD	53.543	105.76	19.862	6.8035	2788.8	.19106	3.0340
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	**10364.**
Stddev	11.
%RSD	.10849
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6177.7**	**4490.7**	**54563.**	**9634.3**
Stddev	5.7	3.2	148.	25.4
%RSD	.09244	.07035	.27074	.26362
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.462%	95.485%	93.977%	97.510%
Range				

Sample Name: 240-19355-a-2-a Acquired: 1/3/2013 19:29:42 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.09771**	**-8.9613**	**4.1631**	**337.78**	**24.087**	**-.31735**	**153320.**
Stddev	.34788	7.8709	.9426	.53	.213	.03099	1206.
%RSD	356.01	87.832	22.643	.15835	.88293	9.7667	.78636
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3157**	**.88443**	**.82625**	**3.2101**	**877.20**	**2933.1**	**.45395**
Stddev	.0768	.30960	.05918	.2978	2.90	37.5	.58578
%RSD	24.34	35.005	7.1623	9.2779	.33084	1.2785	129.04
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**55539.**	**188.12**	**30.397**	**45577.**	**9.9667**	**-.86322**	**-.3918**
Stddev	191.	.34	.189	93.	.1847	.79639	1.054
%RSD	.34419	.18258	.62025	.20340	1.8533	92.258	269.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-19355-a-2-a Acquired: 1/3/2013 19:29:42 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.26810**	**.14839**	**-.85670**	**2.8338**	**-.10334**	**22.790**	**5481.6**
Stddev	.50493	.44917	.20747	.5236	1.0990	.024	21.4
%RSD	188.34	302.70	24.217	18.475	1063.5	.10446	.38998
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	**10132.**
Stddev	28.
%RSD	.27379
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6185.3**	**4497.2**	**54518.**	**9638.9**
Stddev	2.4	2.7	73.	29.2
%RSD	.03802	.05911	.13336	.30339
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.578%	95.623%	93.900%	97.557%
Range				

Sample Name: 240-19357-c-1-a Acquired: 1/3/2013 19:33:39 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.17864**	**29.828**	**1.4524**	**138.58**	**16.081**	**5.3377**	**300390.**
Stddev	.38956	12.119	.7613	.43	.279	.0670	2935.
%RSD	218.07	40.629	52.419	.31004	1.7366	1.2557	.97701
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.4105**	**.32327**	**.98258**	**4.6945**	**59.980**	**2559.1**	**7.1938**
Stddev	.0954	.28133	.18749	.0912	1.003	40.2	.2362
%RSD	23.24	87.026	19.082	1.9429	1.6723	1.5693	3.2827
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**276000.**	**1.7177**	**13.088**	**49322.**	**5.5205**	**-1.2257**	**-.7014**
Stddev	265.	.0195	.132	106.	.2606	.4322	.8970
%RSD	.09613	1.1362	1.0106	.21579	4.7207	35.260	127.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-19357-c-1-a Acquired: 1/3/2013 19:33:39 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.8438**	**.82956**	**.00495**	**3.2193**	**-2.9954**	**2.8720**	**6222.3**
Stddev	.9630	.14786	.11350	.4934	1.5348	.0851	16.9
%RSD	52.227	17.824	2293.9	15.327	51.240	2.9639	.27082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	**2712.5**
Stddev	8.0
%RSD	.29571
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5934.2**	**4369.8**	**53359.**	**9545.0**
Stddev	17.4	16.0	45.	30.6
%RSD	.29310	.36723	.08412	.32106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	89.779%	92.914%	91.904%	96.607%
Range				

Sample Name: 240-19357-c-2-a Acquired: 1/3/2013 19:37:39 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.23199	64.905	.96921	57.086	45.897	.16757	119480.
Stddev	.25913	4.359	.85650	.294	.111	.02408	345.
%RSD	111.70	6.7155	88.371	.51428	.24205	14.368	.28852
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3365	.08799	.94595	3.9472	119.25	1401.1	-2.4176
Stddev	.0239	.04819	.15035	.5535	1.27	15.7	.4571
%RSD	7.110	54.762	15.894	14.022	1.0640	1.1226	18.906
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	71763.	6.3581	2.5299	20694.	1.6590	-1.2032	.8063
Stddev	79.	.0462	.0793	12.	.2967	.3346	.8631
%RSD	.11004	.72596	3.1350	.05726	17.882	27.812	107.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-19357-c-2-a Acquired: 1/3/2013 19:37:39 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.4061**	**.47753**	**1.1392**	**2.6569**	**.63859**	**6.4880**	**5652.7**
Stddev	2.2654	.38704	.0901	.1732	1.1002	.1046	8.7
%RSD	94.153	81.051	7.9093	6.5177	172.28	1.6118	.15341
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	**1436.6**
Stddev	8.9
%RSD	.62020
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6259.7**	**4545.0**	**55369.**	**9745.5**
Stddev	16.7	8.8	74.	21.4
%RSD	.26757	.19398	.13342	.21970
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.704%	96.641%	95.366%	98.636%
Range				

Sample Name: CCV Acquired: 1/3/2013 19:41:45 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1010.4**	**24828.**	**513.19**	**5079.6**	**1992.7**	**2058.3**	**50882.**	**507.7**
Stddev	1.3	4.	.39	7.7	2.2	4.1	69.	.8
%RSD	.12714	.01787	.07570	.15186	.10826	.19940	.13570	.1581
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2000.3**	**1998.6**	**2014.2**	**25565.**	**48638.**	**5058.7**	**50979.**	**2042.1**
Stddev	.9	4.3	.9	60.	124.	6.4	176.	3.7
%RSD	.04630	.21274	.04252	.23593	.25588	.12611	.34575	.18204
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2056.9**	**48752.**	**1998.0**	**500.26**	**500.3**	**498.61**	**4966.2**	**5185.0**
Stddev	3.0	72.	2.4	1.03	1.1	1.45	3.0	40.9
%RSD	.14616	.14669	.11841	.20658	.2161	.29095	.06034	.78897
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Sample Name: CCV Acquired: 1/3/2013 19:41:45 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**1029.5**	**2009.9**	**2030.7**	**5420.8**	**5065.6**
Stddev	1.8	.4	3.0	89.4	16.7
%RSD	.17529	.01946	.15018	1.6484	.32881
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6114.8**	**4534.1**	**55248.**	**9663.8**
Stddev	5.6	10.7	111.	45.0
%RSD	.09220	.23602	.20126	.46612

Sample Name: CCB Acquired: 1/3/2013 19:45:31 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.55609**	**-5.4587**	**-.60220**	**11.640**	**.19314**	**.00281**	**33.386**	**.0454**
Stddev	.38046	14.263	.93090	.493	.04017	.00402	1.215	.0290
%RSD	68.417	261.28	154.58	4.2335	20.797	143.06	3.6380	63.82
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.09355**	**-.12070**	**-.39795**	**2.1974**	**21.655**	**.49185**	**-5.8691**	**.09460**
Stddev	.26732	.32952	.28397	.5484	10.691	1.0984	13.823	.00845
%RSD	285.75	273.00	71.359	24.958	49.368	223.32	235.53	8.9343
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.63922**	**191.63**	**.41763**	**-.36813**	**.9308**	**.86395**	**.60436**	**1.4438**
Stddev	.22549	8.06	.13533	.44780	1.186	.69103	.37715	.2005
%RSD	35.276	4.2078	32.403	121.64	127.5	79.985	62.404	13.885
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 1/3/2013 19:45:31 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**.01540**	**-1.0849**	**.65407**	**21.911**	**.91074**
Stddev	.47549	1.3363	.04657	7.415	.91236
%RSD	3088.0	123.17	7.1195	33.842	100.18
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6665.8**	**4683.5**	**57531.**	**9691.5**
Stddev	.5	3.0	110.	25.0
%RSD	.00813	.06308	.19057	.25818

Sample Name: 240-18983-a-1-b Acquired: 1/3/2013 19:49:29 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.60612**	**37.154**	**18.558**	**4157.9**	**70.636**	**-.08216**
Stddev	.12531	10.300	1.040	5.4	.275	.05559
%RSD	20.674	27.722	5.6018	.12967	.38968	67.668
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**55470.**	**.3157**	**10.166**	**26.992**	**298.29**	**5764.5**
Stddev	87.	.1140	.151	.230	1.07	13.1
%RSD	.15684	36.12	1.4844	.85070	.35813	.22752
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**184580.**	**18.280**	**98032.**	**154.39**	**1.8494**	**F 508750.**
Stddev	263.	.623	86.	.18	.0305	2576.
%RSD	.14234	3.4081	.08782	.11922	1.6477	.50628
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500000.
Low Limit						-500000.

Sample Name: 240-18983-a-1-b Acquired: 1/3/2013 19:49:29 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**104.75**	**11.874**	**1.821**	**2.1370**	**4.4005**	**4.8109**
Stddev	.40	1.495	2.073	.8284	.3547	.2139
%RSD	.38159	12.587	113.8	38.765	8.0606	4.4451
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**3.1152**	**14.438**	**41.002**	**14226.**	**412.58**
Stddev	.7639	1.763	.240	24.	1.17
%RSD	24.522	12.211	.58616	.16760	.28273
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5715.3**	**4364.5**	**52286.**	**9668.5**
Stddev	.2	1.2	46.	32.5
%RSD	.00393	.02767	.08858	.33642
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	86.466%	92.803%	90.055%	97.856%
Range				

Sample Name: 240-19266-e-1-b Acquired: 1/3/2013 19:53:27 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.30993**	**35.065**	**2.0781**	**50.929**	**20.013**	**-.10475**	**26440.**	**-.0253**
Stddev	.28932	3.809	1.1855	.330	.270	.04089	33.	.1000
%RSD	93.351	10.863	57.047	.64858	1.3497	39.039	.12624	394.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.02768**	**.45034**	**-.02132**	**1466.1**	**954.66**	**1.4899**	**3227.4**	**15.534**
Stddev	.06713	.23578	.55541	2.6	31.03	.4948	11.9	.027
%RSD	242.52	52.355	2605.1	.17858	3.2501	33.213	.36916	.17408
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.39392**	**7642.4**	**.77449**	**-.84825**	**2.035**	**.22289**	**-.23192**	**1.0956**
Stddev	.12430	8.0	.16967	1.3703	.883	1.1822	.28208	.2223
%RSD	31.554	.10435	21.908	161.54	43.39	530.39	121.63	20.286
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-19266-e-1-b Acquired: 1/3/2013 19:53:27 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**.95894**	**1.1327**	**3.1417**	**163.65**	**52.923**
Stddev	.42053	1.2560	.0171	1.88	2.887
%RSD	43.854	110.89	.54381	1.1501	5.4551
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6625.7**	**4709.0**	**57720.**	**9962.3**
Stddev	12.9	6.7	149.	44.4
%RSD	.19467	.14239	.25814	.44544
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.24%	100.13%	99.414%	100.83%
Range				

Sample Name: 240-19320-d-1-a Acquired: 1/3/2013 19:57:22 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment: High Int Std

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.00735	13764.	.06926	112.00	14.308	3.9959	240850.
Stddev	.09215	15.	.81493	.66	.084	.0530	2945.
%RSD	1254.0	.10616	1176.6	.58582	.58492	1.3267	1.2226
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.781	362.52	4.2036	11.618	114.73	4596.9	315.92
Stddev	.098	.95	.2271	.479	1.28	18.8	.16
%RSD	5.507	.26129	5.4022	4.1254	1.1115	.40898	.05187
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	121100.	F 23189.	-1.2580	6854.2	814.68	2.2718	-1.760
Stddev	193.	293.	.1474	5.1	1.61	.4953	1.090
%RSD	.15933	1.2635	11.719	.07436	.19773	21.803	61.91
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		15000.					
Low Limit		-500000.					

Sample Name: 240-19320-d-1-a Acquired: 1/3/2013 19:57:22 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.8787	.68086	6.9883	21.252	.14429	933.29	15495.
Stddev	.8861	.20436	.1043	.241	1.6698	2.46	443.
%RSD	15.073	30.014	1.4929	1.1361	1157.2	.26386	2.8580
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	655.19
Stddev	2.80
%RSD	.42787
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5999.2	W 6156.9	75256.	W 13338.
Stddev	12.2	17.2	136.	52.
%RSD	.20410	.27915	.18033	.39300
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Warn
Value	90.762%	130.91%	129.62%	134.99%
Range		30.500%		30.500%

Sample Name: 240-19347-a-1-b Acquired: 1/3/2013 20:01:27 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.39517**	**978.18**	**5.8880**	**78.948**	**39.321**	**-.03834**	**27703.**
Stddev	.37818	5.80	.8884	.375	.381	.05071	82.
%RSD	95.701	.59318	15.089	.47453	.96885	132.28	.29723
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2155**	**.92078**	**5.3706**	**104.99**	**1592.9**	**15344.**	**5.1855**
Stddev	.0719	.30830	.2195	.73	5.5	29.	1.3449
%RSD	33.37	33.483	4.0862	.69258	.34477	.19157	25.936
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6016.3**	**54.827**	**7.6834**	**425360.**	**6.5682**	**3.1039**	**-.1336**
Stddev	18.7	.164	.1533	4468.	.2613	.6458	1.041
%RSD	.31145	.29824	1.9948	1.0503	3.9788	20.806	779.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-19347-a-1-b Acquired: 1/3/2013 20:01:27 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.94061**	**8.7484**	**11.879**	**1.4851**	**1.3082**	**377.76**	**9331.4**
Stddev	1.1582	.2673	.144	.3994	1.7988	.10	25.3
%RSD	123.14	3.0560	1.2153	26.895	137.50	.02735	.27102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	**44.744**
Stddev	1.867
%RSD	4.1726
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5926.7**	**4452.3**	**53112.**	**9697.2**
Stddev	2.9	8.2	170.	40.7
%RSD	.04955	.18474	.32064	.41944
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	89.666%	94.669%	91.477%	98.146%
Range				

Sample Name: 240-19349-a-1-b Acquired: 1/3/2013 20:05:29 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.42628**	**1515.8**	**3.5527**	**143.62**	**53.142**	**-.07337**	**15563.**
Stddev	.29605	11.4	.6037	.68	.041	.05112	12.
%RSD	69.449	.75024	16.991	.47039	.07686	69.682	.07964
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.6231**	**1.2477**	**9.0505**	**282.31**	**7108.6**	**10347.**	**6.7293**
Stddev	.0734	.0274	.3190	1.02	7.6	13.	.9964
%RSD	11.78	2.1948	3.5252	.36159	.10708	.12105	14.808
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5662.3**	**93.968**	**19.489**	**414920.**	**13.548**	**6.9795**	**1.093**
Stddev	25.5	.099	.080	4772.	.052	.8609	1.062
%RSD	.45056	.10532	.41283	1.1500	.38251	12.334	97.14
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-19349-a-1-b Acquired: 1/3/2013 20:05:29 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**23.350**	**31.943**	**35.829**	**2.3602**	**3.0270**	**1159.2**	**7601.7**
Stddev	.734	.292	.183	.5898	1.3583	1.0	12.5
%RSD	3.1414	.91319	.51105	24.988	44.873	.08307	.16403
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	**30.160**
Stddev	4.411
%RSD	14.624
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6012.8**	**4515.7**	**54062.**	**9846.5**
Stddev	11.6	6.7	63.	50.7
%RSD	.19275	.14738	.11652	.51516
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.967%	96.017%	93.115%	99.658%
Range				

Sample Name: 240-19356-a-2-b Acquired: 1/3/2013 20:09:28 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.05811**	**45.118**	**1.5344**	**18.758**	**3.9273**	**-.07973**	**8946.6**
Stddev	.19467	1.538	.8083	.254	.2813	.02412	4.3
%RSD	334.97	3.4077	52.679	1.3523	7.1621	30.252	.04751
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0775**	**.19857**	**.51414**	**9.0058**	**172.85**	**1869.9**	**1.0415**
Stddev	.0726	.22381	.36568	.5054	1.20	24.9	1.1030
%RSD	93.70	112.71	71.126	5.6116	.69647	1.3341	105.90
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3342.8**	**6.1142**	**.66021**	**126030.**	**1.8818**	**.09267**	**1.031**
Stddev	12.2	.0446	.15888	688.	.2284	.34092	1.479
%RSD	.36502	.72967	24.065	.54558	12.135	367.90	143.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-19356-a-2-b Acquired: 1/3/2013 20:09:28 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.51783**	**.15530**	**.71322**	**1.7989**	**-.29118**	**11.586**	**1607.3**
Stddev	1.8863	.04521	.10513	.6455	.58189	.016	7.0
%RSD	364.27	29.114	14.741	35.886	199.84	.14064	.43445
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	**30.038**
Stddev	3.148
%RSD	10.479
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6334.1**	**4588.4**	**55294.**	**9598.0**
Stddev	14.8	10.2	95.	14.2
%RSD	.23419	.22227	.17262	.14809
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.829%	97.563%	95.237%	97.143%
Range				

Sample Name: mb 240-70855/1-a Acquired: 1/3/2013 20:13:34 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.11525	.43203	.06128	3.7130	1.0801	-.06325	490.11	.0217
Stddev	.55328	3.5377	.30651	.0512	.1418	.06208	1.43	.0491
%RSD	480.05	818.87	500.17	1.3789	13.127	98.156	.29112	226.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.10285	.01796	.46913	9.7896	62.089	.94363	75.627	1.3257
Stddev	.06758	.12606	.50830	.4526	20.807	.72289	9.782	.0220
%RSD	65.713	701.80	108.35	4.6232	33.511	76.607	12.934	1.6601
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.13822	360.20	.39551	-.50466	1.651	.40006	-.06517	.00758
Stddev	.10358	2.97	.16306	.88329	.937	.95756	.76363	.12331
%RSD	74.943	.82493	41.228	175.03	56.73	239.35	1171.8	1626.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: mb 240-70855/1-a Acquired: 1/3/2013 20:13:34 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**1.5730**	**.97322**	**3.9955**	**14.284**	**3.6734**
Stddev	.2176	2.1112	.0821	1.300	2.4514
%RSD	13.830	216.93	2.0553	9.0996	66.732
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6725.6**	**4761.6**	**58335.**	**9972.2**
Stddev	4.1	3.5	106.	41.5
%RSD	.06074	.07257	.18170	.41605

Sample Name: lcs 240-70855/2-a Acquired: 1/3/2013 20:17:33 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**49.014**	**1888.0**	**1931.1**	**979.72**	**1885.3**	**47.123**	**48195.**	**48.76**
Stddev	.138	6.2	7.5	1.52	2.1	.136	67.	.19
%RSD	.28171	.33001	.39011	.15485	.11068	.28893	.13897	.3796
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**474.89**	**192.23**	**241.91**	**973.37**	**45634.**	**928.78**	**48192.**	**497.27**
Stddev	.88	.55	1.20	.87	57.	1.84	87.	2.01
%RSD	.18464	.28715	.49468	.08957	.12514	.19845	.18015	.40408
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**958.93**	**46381.**	**478.35**	**470.98**	**478.7**	**1944.6**	**1855.5**	**992.45**
Stddev	3.21	29.	1.28	2.06	2.9	2.6	2.8	3.60
%RSD	.33474	.06173	.26702	.43709	.5977	.13474	.15112	.36275
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Sample Name: lcs 240-70855/2-a Acquired: 1/3/2013 20:17:33 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**1927.2**	**476.64**	**482.33**	**999.36**	**935.53**
Stddev	4.7	3.11	1.36	13.71	6.71
%RSD	.24432	.65256	.28287	1.3715	.71746
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6207.4**	**4553.5**	**55161.**	**9727.6**
Stddev	14.7	12.6	43.	27.2
%RSD	.23652	.27697	.07760	.27979

Sample Name: 240-19285-g-1-b Acquired: 1/3/2013 20:21:11 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.22707**	**99.750**	4.1142	1335.4	**182.06**	**-.31471**	**151300.**
Stddev	.13652	17.688	.5558	1.8	.12	.04210	571.
%RSD	60.120	17.733	13.509	.13839	.06434	13.376	.37770
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3128**	**3.7219**	**6.3835**	**2.1981**	**16018.**	**55252.**	**20.149**
Stddev	.1015	.1243	.1373	.3605	31.	104.	.625
%RSD	32.46	3.3404	2.1515	16.402	.19109	.18894	3.0997
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**62913.**	**1062.6**	**.59421**	**244590.**	**17.498**	**2.2205**	**2.058**
Stddev	119.	2.7	.05052	839.	.592	1.3257	.496
%RSD	.18987	.25567	8.5026	.34321	3.3842	59.705	24.12
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-19285-g-1-b Acquired: 1/3/2013 20:21:11 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.02875**	**1.4833**	**2.0375**	**3.2179**	**.94545**	**9.3191**	**10856.**
Stddev	1.0865	.5672	.0898	.9819	.69069	.0487	23.
%RSD	3779.7	38.240	4.4093	30.513	73.054	.52274	.21332
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	**697.91**
Stddev	3.02
%RSD	.43254
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5892.1**	**4398.7**	**53122.**	**9646.7**
Stddev	2.5	4.6	67.	30.7
%RSD	.04269	.10366	.12648	.31792
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	89.142%	93.530%	91.495%	97.636%
Range				

Sample Name: SD 240-19285-g-1b@5 Acquired: 1/3/2013 20:25:19 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.62138**	**22.238**	**-.72888**	**268.81**	**37.559**	**-.08324**	**31918.**	**.0785**
Stddev	.67236	5.602	2.1280	.54	.043	.02869	15.	.0786
%RSD	108.20	25.193	291.96	.19989	.11443	34.465	.04660	100.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.80969**	**1.5469**	**.07444**	**3349.3**	**10921.**	**4.5087**	**13188.**	**220.53**
Stddev	.13027	.1722	.27737	6.5	23.	.8174	25.	.57
%RSD	16.089	11.133	372.63	.19267	.21161	18.129	.18757	.25811
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.19804**	**52051.**	**4.3442**	**-.17352**	**.7583**	**.81859**	**.94632**	**.64625**
Stddev	.06974	11.	.3745	.65288	.2752	1.4262	.36252	.13306
%RSD	35.214	.02208	8.6199	376.25	36.30	174.22	38.308	20.589
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: SD 240-19285-g-1b@5 Acquired: 1/3/2013 20:25:19 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**.39599**	**-1.4078**	**2.9149**	**2234.6**	**147.98**
Stddev	.33842	.8853	.0729	9.0	3.61
%RSD	85.462	62.886	2.5019	.40300	2.4380
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6350.9**	**4577.1**	**55530.**	**9677.2**
Stddev	7.1	1.7	211.	31.5
%RSD	.11216	.03725	.38026	.32520
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.084%	97.324%	95.642%	97.944%
Range				

Sample Name: CCV Acquired: 1/3/2013 20:29:14 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1015.5**	**24983.**	**518.09**	**5104.7**	**1999.3**	**2061.8**	**51175.**	**511.5**
Stddev	2.0	36.	2.34	6.1	2.3	3.7	79.	1.2
%RSD	.20153	.14536	.45242	.12008	.11746	.18078	.15503	.2443
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2012.6**	**2014.7**	**2024.1**	**25670.**	**49027.**	**5075.5**	**51266.**	**2058.5**
Stddev	1.9	.8	1.9	33.	35.	10.7	153.	1.7
%RSD	.09643	.03986	.09398	.12919	.07201	.21120	.29779	.08282
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2063.7**	**49242.**	**2008.5**	**501.61**	**504.2**	**502.85**	**5004.0**	**5228.9**
Stddev	4.5	100.	3.2	3.63	2.1	.65	12.2	38.3
%RSD	.21734	.20208	.15839	.72415	.4171	.12899	.24472	.73266
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Sample Name: CCV Acquired: 1/3/2013 20:29:14 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**1035.7**	**2026.1**	**2042.9**	**5405.2**	**5082.8**
Stddev	2.6	1.0	3.1	81.4	17.5
%RSD	.24932	.04920	.15294	1.5060	.34521
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6095.4**	**4522.6**	**54932.**	**9520.5**
Stddev	10.4	9.3	46.	20.6
%RSD	.17112	.20645	.08303	.21672

Sample Name: CCB Acquired: 1/3/2013 20:33:00 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.33890**	**-.03830**	**-.38451**	**8.3012**	**.11582**	**.03349**	**33.409**	**.0685**
Stddev	.30342	10.111	.27841	.7271	.16212	.02670	1.167	.0859
%RSD	89.531	26403.	72.406	8.7593	139.98	79.719	3.4917	125.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.05761**	**.19473**	**-.64331**	**2.8946**	**27.063**	**.16662**	**-9.8770**	**.16181**
Stddev	.17121	.05185	.58758	1.4005	32.396	1.0344	6.1064	.00347
%RSD	297.19	26.624	91.336	48.382	119.71	620.80	61.824	2.1462
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.87115**	**146.20**	**.32174**	**-.39024**	**1.722**	**-.49072**	**.67370**	**1.5543**
Stddev	.17848	.79	.11710	.75130	.417	.58283	.11069	.0418
%RSD	20.488	.53838	36.396	192.52	24.20	118.77	16.430	2.6869
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 1/3/2013 20:33:00 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**-.28028**	-1.7214	.70641	**18.712**	**-2.0160**
Stddev	.27354	.8882	.05152	2.139	2.3966
%RSD	97.597	51.596	7.2930	11.433	118.88
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6645.4**	**4676.5**	**57442.**	**9629.2**
Stddev	1.8	3.9	91.	45.0
%RSD	.02653	.08301	.15826	.46704

Sample Name: 240-19285-g-1-c ms Acquired: 1/3/2013 20:36:59 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**54.769**	**2329.7**	**2177.0**	**2509.2**	**2279.7**	**51.440**	**211090.**
Stddev	.222	4.9	5.2	1.7	2.6	.071	1600.
%RSD	.40600	.21145	.23845	.06609	.11404	.13869	.75796
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**54.55**	**533.76**	**214.79**	**273.14**	**18117.**	**110550.**	**1081.0**
Stddev	.13	.84	.63	1.50	43.	266.	2.1
%RSD	.2362	.15828	.29500	.54791	.23715	.24062	.19604
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**119690.**	**1662.0**	**1063.6**	**310990.**	**547.99**	**506.17**	**532.4**
Stddev	307.	4.9	.9	540.	.76	.69	.9
%RSD	.25616	.29222	.08477	.17378	.13873	.13706	.1643
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-19285-g-1-c ms Acquired: 1/3/2013 20:36:59 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2139.6**	**2070.9**	**1092.5**	**2095.5**	**527.75**	**535.98**	**12560.**
Stddev	4.6	2.4	3.0	3.5	4.63	.34	19.
%RSD	.21540	.11802	.27593	.16521	.87798	.06414	.15177
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	**1755.9**
Stddev	7.2
%RSD	.40928
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5684.7**	**4317.5**	**52200.**	**9586.9**
Stddev	4.0	2.4	151.	15.9
%RSD	.07111	.05559	.28981	.16582
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	86.004%	91.803%	89.908%	97.031%
Range				

Sample Name: 240-19285-g-1-d msd Acquired: 1/3/2013 20:40:54 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**54.665**	**2336.6**	**2184.1**	**2535.4**	**2279.2**	**51.070**	**213190.**
Stddev	.253	13.5	1.1	3.1	1.5	.099	1646.
%RSD	.46273	.57785	.05088	.12282	.06588	.19469	.77204
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**54.57**	**532.71**	**213.25**	**271.07**	**18408.**	**112240.**	**1078.3**
Stddev	.06	.14	.36	.22	17.	119.	2.8
%RSD	.1172	.02584	.17031	.07948	.09026	.10581	.26157
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**120540.**	**1669.7**	**1061.1**	**313110.**	**546.76**	**504.65**	**538.2**
Stddev	111.	2.1	2.0	1090.	.71	2.05	1.7
%RSD	.09192	.12858	.18861	.34797	.12900	.40680	.3184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-19285-g-1-d msd Acquired: 1/3/2013 20:40:54 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2143.2**	**2057.1**	**1081.3**	**2087.7**	**524.98**	**534.13**	**12785.**
Stddev	2.8	2.7	1.2	4.4	2.80	.29	35.
%RSD	.13098	.13254	.10776	.20992	.53307	.05498	.27569
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	**1759.6**
Stddev	8.0
%RSD	.45636
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5698.4**	**4320.5**	**52670.**	**9607.4**
Stddev	9.7	10.9	59.	11.5
%RSD	.17064	.25331	.11144	.12005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	86.211%	91.867%	90.718%	97.238%
Range				

Sample Name: 240-19353-a-8-a Acquired: 1/3/2013 20:44:49 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.43134**	**1388.6**	**.78411**	**1126.2**	**25.452**	**-.09746**	**40229.**
Stddev	.31515	6.6	1.5254	2.8	.177	.01280	35.
%RSD	73.064	.47667	194.54	.24914	.69522	13.137	.08780
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1588**	**1.1904**	**.94676**	**25.789**	**1078.4**	**8361.4**	**2.9898**
Stddev	.0583	.3146	.25821	.271	2.0	38.6	.9470
%RSD	36.74	26.431	27.273	1.0497	.18703	.46159	31.676
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10945.**	**124.24**	**51.896**	**147170.**	**4.2021**	**2.2800**	**4.759**
Stddev	16.	.27	.137	1851.	.1458	.8056	2.283
%RSD	.14219	.22010	.26374	1.2577	3.4703	35.332	47.96
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-19353-a-8-a Acquired: 1/3/2013 20:44:49 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.36310**	**3.1919**	**1.5390**	**1.9961**	**.31416**	**75.515**	**964.76**
Stddev	1.0495	.0303	.0332	.5855	1.0222	.135	10.31
%RSD	289.03	.94906	2.1570	29.334	325.38	.17819	1.0690
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	**585.44**
Stddev	5.53
%RSD	.94505
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6249.4**	**4597.9**	**55657.**	**9816.9**
Stddev	8.7	2.8	66.	27.4
%RSD	.13847	.06087	.11778	.27921
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.548%	97.766%	95.861%	99.358%
Range				

Sample Name: 240-19353-a-9-a Acquired: 1/3/2013 20:48:47 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.48570**	**1859.**4	**1.8842**	**1192.4**	**27.223**	**-.12157**	**41498.**
Stddev	.14452	10.2	1.2474	.9	.274	.06110	49.
%RSD	29.755	.54841	66.203	.07162	1.0064	50.259	.11890
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2892**	**1.0383**	**1.2515**	**26.242**	**1389.0**	**8811.3**	**3.3113**
Stddev	.0698	.2297	.1691	.463	2.7	29.0	.9440
%RSD	24.14	22.119	13.513	1.7634	.19478	.32887	28.509
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**11312.**	**138.19**	**54.567**	**158040.**	**4.3349**	**3.5316**	**3.841**
Stddev	28.	.07	.112	480.	.4208	.2928	.929
%RSD	.24635	.05262	.20547	.30359	9.7070	8.2915	24.18
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-19353-a-9-a Acquired: 1/3/2013 20:48:47 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.1150**	**5.2467**	**1.6373**	**1.4310**	**1.3602**	**88.503**	**1038.0**
Stddev	.9102	.2624	.0821	.2015	1.0856	.180	4.5
%RSD	81.629	5.0004	5.0149	14.084	79.814	.20307	.43636
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	**618.88**
Stddev	1.95
%RSD	.31493
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6226.5**	**4580.1**	**55234.**	**9846.9**
Stddev	3.9	3.2	159.	25.9
%RSD	.06192	.07019	.28851	.26305
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.201%	97.386%	95.133%	99.661%
Range				

Sample Name: 240-19353-a-10-a Acquired: 1/3/2013 20:52:45 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.54238**	**939.37**	**1.6250**	**1407.3**	**29.107**	**-.08450**	**47043.**
Stddev	.22784	6.13	.8076	.8	.071	.01360	41.
%RSD	42.008	.65291	49.696	.05813	.24533	16.091	.08804
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2867**	**1.3206**	**1.0432**	**21.790**	**739.94**	**10506.**	**4.6177**
Stddev	.1507	.0691	.0388	.499	2.63	17.	1.6406
%RSD	52.55	5.2310	3.7200	2.2888	.35562	.16325	35.529
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**12507.**	**159.75**	**65.494**	**182180.**	**5.3178**	**2.1445**	**2.839**
Stddev	46.	.70	.266	1951.	.2275	.7143	.369
%RSD	.36683	.44102	.40557	1.0711	4.2775	33.307	13.00
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-19353-a-10-a Acquired: 1/3/2013 20:52:45 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.63886**	**1.5554**	**1.1604**	**2.4507**	**-.22520**	**70.727**	**956.17**
Stddev	.54312	.3176	.0327	1.1363	.24404	.039	2.46
%RSD	85.014	20.418	2.8189	46.367	108.36	.05517	.25707
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	**735.70**
Stddev	2.75
%RSD	.37443
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6184.0**	**4568.4**	**55040.**	**9815.7**
Stddev	8.3	4.6	132.	18.3
%RSD	.13356	.09990	.23994	.18613
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.558%	97.138%	94.799%	99.346%
Range				

Sample Name: 450-8501-b-1-a Acquired: 1/3/2013 20:56:43 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.46953**	**34.045**	**.06183**	**43.802**	**77.416**	**-.17187**	**53694.**	**.1766**
Stddev	.14646	5.989	.79980	.264	.302	.02352	13.	.0783
%RSD	31.193	17.593	1293.5	.60186	.39018	13.685	.02461	44.32
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.03309**	**.96816**	**-.74968**	**54.438**	**2496.0**	**6.6201**	**39913.**	**6.5105**
Stddev	.27771	.13838	.27782	.858	18.4	.4081	56.	.0523
%RSD	839.26	14.294	37.058	1.5760	.73835	6.1652	.14093	.80354
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.54880**	**13186.**	**.54853**	**-.68420**	**1.385**	**-.60048**	**.10407**	**.46437**
Stddev	.03456	18.	.22831	1.3084	1.650	.23881	.11359	.00880
%RSD	6.2981	.13551	41.622	191.23	119.1	39.771	109.14	1.8944
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 450-8501-b-1-a Acquired: 1/3/2013 20:56:43 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**1.3408**	**-.13668**	**.83074**	**3585.6**	**155.43**
Stddev	.4587	.77852	.04621	13.5	2.86
%RSD	34.213	569.59	5.5628	.37768	1.8416
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6396.5**	**4619.0**	**56359.**	**9733.5**
Stddev	13.1	9.3	39.	12.2
%RSD	.20440	.20159	.06868	.12543
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.773%	98.213%	97.070%	98.514%
Range				

Sample Name: 450-8501-b-2-a Acquired: 1/3/2013 21:00:40 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.33424**	**92.414**	**1.1311**	**24.893**	**68.513**	**-.28210**	**122870.**
Stddev	.18086	9.934	1.3568	.300	.053	.04105	1079.
%RSD	54.110	10.749	119.96	1.2056	.07720	14.552	.87812
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2383**	**.25468**	**.92693**	**-.69755**	**165.69**	**1992.6**	**-.49552**
Stddev	.1240	.14085	.17545	.55259	1.69	15.3	.99010
%RSD	52.03	55.304	18.928	79.218	1.0220	.76622	199.81
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**30095.**	**18.552**	**.99280**	**17028.**	**1.2028**	**-1.6272**	**-.2296**
Stddev	49.	.052	.15952	30.	.1402	.5534	.7775
%RSD	.16238	.27911	16.067	.17684	11.660	34.010	338.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 450-8501-b-2-a Acquired: 1/3/2013 21:00:40 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.46889**	**.49006**	**.96883**	**1.5961**	**-.14832**	**1.3664**	**3589.9**
Stddev	.38303	.37129	.22574	1.1943	1.8176	.0883	7.9
%RSD	81.688	75.765	23.300	74.822	1225.5	6.4594	.21935
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	**316.11**
Stddev	3.32
%RSD	1.0515
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6317.1**	**4591.5**	**55915.**	**9826.9**
Stddev	9.1	7.9	92.	19.3
%RSD	.14394	.17132	.16456	.19682
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.572%	97.628%	96.307%	99.459%
Range				

Sample Name: 450-8501-b-4-a Acquired: 1/3/2013 21:04:45 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.00946**	**10.272**	**1.3213**	**16.264**	**128.11**	**-.24062**	**111500.**
Stddev	.12001	13.974	.3493	.211	.15	.03078	874.
%RSD	1268.2	136.04	26.432	1.2995	.12006	12.793	.78400
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1768**	**.00528**	**.84302**	**-.77039**	**23.728**	**2457.8**	**-3.4115**
Stddev	.1739	.11681	.04828	.78132	.869	28.4	1.1067
%RSD	98.32	2210.1	5.7269	101.42	3.6612	1.1554	32.440
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9262.6**	**3.3981**	**.42452**	**38827.**	**1.4257**	**-.59935**	**-.8466**
Stddev	25.9	.0720	.21133	78.	.0465	.66628	1.152
%RSD	.27980	2.1197	49.782	.20035	3.2640	111.17	136.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 450-8501-b-4-a Acquired: 1/3/2013 21:04:45 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.20728**	**.04542**	**.29980**	**1.8570**	**-.66360**	**1.6610**	**4292.0**
Stddev	2.0181	.08848	.20724	.2456	2.1881	.0933	12.6
%RSD	973.59	194.79	69.128	13.226	329.73	5.6176	.29396
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	**385.50**
Stddev	7.66
%RSD	1.9863
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6334.4**	**4581.6**	**56011.**	**9772.8**
Stddev	2.9	5.2	132.	19.7
%RSD	.04633	.11395	.23539	.20143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.833%	97.419%	96.471%	98.912%
Range				

Sample Name: 450-8501-b-5-a Acquired: 1/3/2013 21:08:51 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.72859**	**-.08103**	**-23.928**	**109.03**	**62.869**	**-.13409**	**33127.**	**2.188**
Stddev	.11717	17.285	16.895	58.08	.332	.05243	52.	1.234
%RSD	16.082	21332.	70.607	53.270	.52825	39.103	.15629	56.41
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9.2042**	**.88725**	**-.54189**	**518.63**	**1015.7**	**-.39684**	**3447.6**	**464.23**
Stddev	5.4317	.32600	.23575	1.57	29.3	.70053	23.3	1.76
%RSD	59.013	36.742	43.504	.30298	2.8876	176.53	.67459	.37936
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**8.6056**	**4222.7**	**2.1238**	**2.0842**	**-35.22**	**52.038**	**24.058**	**.09065**
Stddev	5.2024	11.0	.7416	1.9818	18.92	32.705	14.843	.16647
%RSD	60.453	.26119	34.919	95.089	53.73	62.848	61.698	183.65
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 450-8501-b-5-a Acquired: 1/3/2013 21:08:51 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**-2.2337**	**1.0594**	**14.737**	**3327.1**	**76.630**
Stddev	4.5867	.7594	7.586	6.0	.608
%RSD	205.34	71.685	51.479	.18103	.79308
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6030.3**	**4233.6**	**55583.**	**9809.0**
Stddev	82.4	70.3	907.	24.3
%RSD	1.3671	1.6609	1.6317	.24814
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.232%	90.019%	95.734%	99.279%
Range				

Sample Name: 450-8501-b-6-a Acquired: 1/3/2013 21:12:32 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.02526**	**14.876**	**1.3428**	**9.5493**	**60.337**	**-.18587**	**56533.**	**-.0169**
Stddev	.15054	5.617	.3352	.1961	.252	.07118	125.	.0397
%RSD	595.86	37.760	24.960	2.0532	.41807	38.297	.22191	235.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.05552**	**.62440**	**.12113**	**22.542**	**587.19**	**1.2273**	**3132.3**	**17.767**
Stddev	.17790	.33519	.35052	1.344	9.56	.4004	9.8	.112
%RSD	320.41	53.681	289.39	5.9646	1.6279	32.621	.31316	.63178
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.29530**	**4608.9**	**.82462**	**-.60968**	**.9479**	**.59471**	**.12679**	**.28846**
Stddev	.05630	19.6	.50283	.68629	.0124	.50772	.17072	.17664
%RSD	19.066	.42445	60.977	112.57	1.308	85.372	134.65	61.236
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 450-8501-b-6-a Acquired: 1/3/2013 21:12:32 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.5272	-.15490	1.9265	4721.4	71.228
Stddev	.9501	.43214	.0565	13.1	2.106
%RSD	62.212	278.99	2.9352	.27723	2.9568
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6636.9	4713.8	57358.	9858.2
Stddev	19.6	12.5	153.	44.4
%RSD	.29493	.26508	.26682	.45004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.41%	100.23%	98.791%	99.776%
Range				

Sample Name: CCV Acquired: 1/3/2013 21:16:29 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1004.6**	**24774.**	**513.56**	**5054.6**	**1992.5**	**2061.5**	**51009.**	**504.3**
Stddev	3.3	232.	2.57	6.2	16.9	19.0	493.	1.2
%RSD	.32797	.93746	.50133	.12214	.84671	.92139	.96591	.2375
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1991.5**	**1993.1**	**2001.7**	**25611.**	**48550.**	**5060.3**	**51099.**	**2018.3**
Stddev	5.1	7.7	6.7	251.	397.	46.8	492.	15.7
%RSD	.25455	.38428	.33278	.98020	.81716	.92574	.96289	.77774
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2049.9**	**49350.**	**1990.0**	**497.23**	**496.3**	**497.27**	**4932.3**	**5174.4**
Stddev	5.6	444.	5.3	1.04	1.5	1.60	6.0	8.0
%RSD	.27511	.90035	.26549	.20848	.3036	.32220	.12221	.15546
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Sample Name: CCV Acquired: 1/3/2013 21:16:29 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**1026.2**	**2004.3**	**2027.2**	**5347.0**	**5073.5**
Stddev	3.6	19.1	4.0	35.7	56.5
%RSD	.35195	.95287	.19640	.66716	1.1136
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6160.0**	**4567.7**	**55649.**	**9665.1**
Stddev	4.4	.8	258.	75.5
%RSD	.07148	.01720	.46414	.78166

Sample Name: CCB Acquired: 1/3/2013 21:20:22 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.25379**	**-3.6199**	**-.67572**	**7.1551**	**.22601**	**.04804**	**31.192**	**.0888**
Stddev	.43879	20.398	1.6376	.7165	.17128	.02224	3.502	.1211
%RSD	172.89	563.49	242.35	10.013	75.785	46.290	11.228	136.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.08408**	**.07470**	**-.13530**	**2.6666**	**21.019**	**1.0863**	**-10.611**	**.10696**
Stddev	.04734	.03548	.92440	1.3196	19.799	1.6177	6.659	.00779
%RSD	56.297	47.501	683.22	49.485	94.196	148.91	62.755	7.2877
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.60362**	**86.100**	**.16997**	**-.54918**	**-.2074**	**.10597**	**.75177**	**1.2347**
Stddev	.05201	1.971	.22863	.53123	1.792	.69918	.54351	.1616
%RSD	8.6164	2.2894	134.51	96.733	863.8	659.78	72.297	13.090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 1/3/2013 21:20:22 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**-1.0869**	**.99365**	**.68286**	**.40065**	**-.45015**
Stddev	.7849	3.3612	.08694	3.9682	2.6223
%RSD	72.213	338.27	12.732	990.44	582.55
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6680.5**	**4697.7**	**57505.**	**9662.5**
Stddev	12.7	9.7	65.	81.9
%RSD	.18960	.20735	.11224	.84719

Sample Name: 450-8501-b-7-a Acquired: 1/3/2013 21:24:23 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.36686	10.706	1.7495	11.632	50.433	-.07737	26214.	-.0050
Stddev	.17162	7.827	.3490	.136	.350	.00592	128.	.0093
%RSD	46.781	73.110	19.946	1.1694	.69360	7.6454	.48896	186.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.06182	.52599	-1.0444	12.480	514.19	1.9240	2892.4	49.432
Stddev	.07576	.24862	.2352	.039	17.28	1.4338	16.7	.063
%RSD	122.55	47.267	22.519	.31321	3.3608	74.523	.57787	.12694
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.19419	5722.6	.77465	-.11992	1.372	-.77418	.33239	.47511
Stddev	.09599	23.4	.27358	.52159	.959	.41568	.23143	.01834
%RSD	49.429	.40839	35.317	434.95	69.90	53.693	69.627	3.8599
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 450-8501-b-7-a Acquired: 1/3/2013 21:24:23 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**1.5048**	**1.0332**	**5.0534**	**5117.2**	**44.564**
Stddev	.3571	.3130	.0094	16.0	2.022
%RSD	23.730	30.291	.18633	.31194	4.5370
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6660.6**	**4715.9**	**58019.**	**9956.5**
Stddev	46.5	31.2	91.	84.5
%RSD	.69796	.66163	.15711	.84852
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.77%	100.27%	99.930%	100.77%
Range				

Sample Name: 450-8501-b-8-a Acquired: 1/3/2013 21:28:21 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.29480**	**-9.2360**	**1.1302**	**36.280**	**124.94**	**-.08520**	**50991.**	**.1435**
Stddev	.06122	4.7990	.4569	.203	.12	.02834	46.	.0329
%RSD	20.767	51.960	40.424	.56028	.09611	33.258	.08960	22.91
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.16266**	**.38116**	**-.62739**	**2.7734**	**3605.5**	**-3.4529**	**20427.**	**422.34**
Stddev	.10489	.29259	.39052	1.1026	11.9	.2852	20.	1.31
%RSD	64.487	76.764	62.245	39.756	.33053	8.2588	.09567	.31032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6.2386**	**13215.**	**.91986**	**-.40631**	**-.2804**	**.16805**	**.27419**	**.34124**
Stddev	.0536	15.	.47808	1.2134	1.021	1.2159	.12248	.03557
%RSD	.85946	.11296	51.973	298.65	364.0	723.52	44.669	10.423
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 450-8501-b-8-a Acquired: 1/3/2013 21:28:21 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**1.8614**	**.11313**	**.87818**	**5017.1**	**203.02**
Stddev	.3086	2.1688	.04762	9.0	2.06
%RSD	16.577	1917.0	5.4231	.17876	1.0158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6459.2**	**4642.4**	**56429.**	**9853.7**
Stddev	4.8	2.0	152.	29.5
%RSD	.07499	.04383	.26902	.29980
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.721%	98.711%	97.191%	99.730%
Range				

Sample Name: 450-8501-b-9-a Acquired: 1/3/2013 21:32:15 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.03929**	**57.595**	**.87046**	**17.920**	**97.049**	**-.24076**	**106850.**
Stddev	.28048	13.006	.71277	.197	.223	.04037	351.
%RSD	713.82	22.581	81.884	1.0971	.22986	16.768	.32886
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0275**	**-.02630**	**.89261**	**-.65517**	**61.180**	**1670.6**	**-1.3171**
Stddev	.0440	.12080	.15301	.63422	.327	27.4	.9719
%RSD	159.9	459.35	17.141	96.803	.53479	1.6384	73.795
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10896.**	**13.645**	**.54475**	**19726.**	**1.0912**	**-.35742**	**.0278**
Stddev	6.	.064	.10068	40.	.4159	1.1398	.4905
%RSD	.05198	.46851	18.481	.20042	38.116	318.91	1767.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 450-8501-b-9-a Acquired: 1/3/2013 21:32:15 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.38755**	**.08292**	**.70433**	**1.7592**	**-1.4114**	**2.1025**	**5087.9**
Stddev	.74278	.31962	.28333	.4122	.9215	.1190	11.0
%RSD	191.66	385.46	40.227	23.431	65.289	5.6586	.21697
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	**151.56**
Stddev	4.29
%RSD	2.8311
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6404.1**	**4610.6**	**56171.**	**9881.5**
Stddev	19.5	10.2	195.	46.3
%RSD	.30503	.22213	.34736	.46871
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.888%	98.035%	96.747%	100.01%
Range				

Sample Name: 450-8501-b-10-a Acquired: 1/3/2013 21:36:19 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.32509**	**9.2888**	**1.1406**	**18.537**	**52.273**	**-.20908**	**67195.**	**.0371**
Stddev	.25824	10.786	1.5181	.165	.053	.06948	65.	.0701
%RSD	79.438	116.11	133.09	.88971	.10154	33.231	.09674	189.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.19419**	**.70201**	**-.64545**	**15.469**	**1609.4**	**-1.8473**	**5357.8**	**1.6666**
Stddev	.31550	.06846	.46689	1.333	20.6	1.5261	18.8	.0267
%RSD	162.47	9.7523	72.336	8.6163	1.2812	82.617	.35144	1.6022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.0649**	**6510.0**	**.77356**	**-.28964**	**.1933**	**-.07828**	**.16602**	**.43165**
Stddev	.2040	4.2	.20433	.87135	1.540	2.2323	.22726	.15590
%RSD	19.154	.06496	26.414	300.84	796.9	2851.8	136.89	36.118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 450-8501-b-10-a Acquired: 1/3/2013 21:36:19 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**1.5901**	**.71572**	**1.8574**	**5343.6**	**88.510**
Stddev	.4993	1.2471	.0449	5.6	1.962
%RSD	31.400	174.25	2.4165	.10402	2.2167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6545.6**	**4667.4**	**56857.**	**9894.8**
Stddev	12.2	4.6	16.	33.5
%RSD	.18572	.09844	.02782	.33847
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.029%	99.244%	97.928%	100.15%
Range				

Sample Name: 450-8501-b-11-a Acquired: 1/3/2013 21:40:14 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.35942**	**543.25**	3.1374	**12.366**	**211.05**	**-.26250**	**141690.**
Stddev	.25209	8.53	.6742	.332	.35	.02795	1251.
%RSD	70.137	1.5700	21.488	2.6807	.16356	10.646	.88260
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1495**	**2.7386**	**1.8228**	**-.26892**	**740.74**	**1549.6**	**.46754**
Stddev	.0316	.0249	.0334	.24527	1.99	24.0	1.3176
%RSD	21.14	.90876	1.8308	91.206	.26910	1.5493	281.83
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**17293.**	**3226.7**	**-.04196**	**7783.4**	**5.8200**	**-.09416**	**-.0857**
Stddev	19.	24.5	.15975	8.5	.1633	.86913	.5959
%RSD	.10938	.75906	380.69	.10896	2.8052	923.06	695.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 450-8501-b-11-a Acquired: 1/3/2013 21:40:14 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.79579**	**.14953**	**8.5287**	**2.4537**	**.82732**	**5.1149**	**6460.3**
Stddev	1.5021	.57121	.2671	.6618	1.4746	.0736	13.9
%RSD	188.75	382.01	3.1321	26.972	178.24	1.4380	.21549
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	**233.25**
Stddev	2.98
%RSD	1.2774
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6343.5**	**4604.9**	**55873.**	**9801.8**
Stddev	7.1	5.0	82.	23.0
%RSD	.11257	.10902	.14758	.23463
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.970%	97.913%	96.234%	99.205%
Range				

Sample Name: 450-8501-b-12-a Acquired: 1/3/2013 21:44:25 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.10772**	**27.229**	**2.2239**	**8.9043**	**34.531**	**-.08542**	**14563.**	**.0078**
Stddev	.18087	3.653	1.3667	.1680	.139	.01348	27.	.0396
%RSD	167.90	13.415	61.457	1.8865	.40227	15.786	.18704	509.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.24361**	**.33483**	**.72161**	**63.104**	**1229.4**	**-2.1001**	**1762.4**	**32.446**
Stddev	.14110	.29026	.40074	.497	37.6	.2751	23.3	.066
%RSD	57.922	86.688	55.535	.78815	3.0603	13.101	1.3226	.20211
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.16383**	**6552.9**	**.84412**	**-.68661**	**2.389**	**1.3912**	**-.11721**	**.45374**
Stddev	.20967	7.1	.05562	1.8581	.935	2.2211	.31427	.14434
%RSD	127.98	.10876	6.5887	270.62	39.13	159.65	268.13	31.812
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 450-8501-b-12-a Acquired: 1/3/2013 21:44:25 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**1.1627**	**-.12763**	**1.9245**	**775.26**	**29.939**
Stddev	.3897	1.2387	.0779	7.19	1.386
%RSD	33.512	970.56	4.0497	.92768	4.6298
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6661.9**	**4718.0**	**57667.**	**9838.9**
Stddev	5.0	2.2	45.	34.4
%RSD	.07478	.04620	.07780	.34972
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.79%	100.32%	99.323%	99.581%
Range				

Sample Name: 450-8501-b-13-a Acquired: 1/3/2013 21:48:23 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.56402**	**1.5995**	**.24795**	**21.189**	**259.07**	**-.45068**	**206540.**
Stddev	.24598	4.9387	.63208	.072	.15	.03101	181.
%RSD	43.612	308.76	254.92	.34010	.05758	6.8817	.08753
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2378**	**1.1979**	**.86014**	**-1.0027**	**24.772**	**2375.5**	**30.147**
Stddev	.0523	.0792	.16160	.1939	.403	5.4	.304
%RSD	21.99	6.6121	18.787	19.334	1.6281	.22893	1.0091
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**26339.**	**183.26**	**.82839**	**73697.**	**3.4321**	**-.67912**	**-.9143**
Stddev	58.	.27	.20219	16.	.2571	.87281	1.744
%RSD	.21973	.14519	24.408	.02134	7.4905	128.52	190.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 450-8501-b-13-a Acquired: 1/3/2013 21:48:23 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.3413**	**.44916**	**-.13501**	**2.2862**	**-1.4426**	**1.3372**	**3604.1**
Stddev	.9483	.32561	.05884	.4112	1.0859	.1192	9.6
%RSD	70.702	72.494	43.586	17.984	75.272	8.9104	.26691
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	**835.97**
Stddev	3.71
%RSD	.44320
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6085.6**	**4463.2**	**54302.**	**9662.2**
Stddev	2.2	2.4	34.	23.3
%RSD	.03697	.05381	.06262	.24072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.069%	94.902%	93.527%	97.792%
Range				

Sample Name: 450-8501-b-14-a Acquired: 1/3/2013 21:52:26 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.44839**	**6.2764**	**4.5491**	**15.285**	**701.37**	**-.20027**	**94650.**	**.2610**
Stddev	.39568	5.0499	1.1015	.020	.60	.02538	205.	.0453
%RSD	88.246	80.459	24.215	.13126	.08527	12.675	.21637	17.35
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.29080**	**1.7499**	**1.2721**	**13.139**	**9549.2**	**18.327**	**13022.**	**5.6367**
Stddev	.14200	.2412	.3607	.581	70.2	.455	36.	.0362
%RSD	48.832	13.782	28.352	4.4230	.73479	2.4834	.27982	.64176
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.1424**	**59656.**	**1.9461**	**-.84212**	**.6700**	**.28232**	**.41507**	**-.13658**
Stddev	.1540	89.	.4277	.40406	2.903	1.3576	.06387	.09173
%RSD	13.481	.14996	21.976	47.981	433.3	480.88	15.388	67.164
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 450-8501-b-14-a Acquired: 1/3/2013 21:52:26 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**2.3069**	**-.33426**	**3.2032**	**1884.7**	**2884.3**
Stddev	.2686	.50363	.1063	7.6	12.4
%RSD	11.643	150.67	3.3178	.40122	.42894
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6289.3**	**4562.9**	**55562.**	**9735.1**
Stddev	11.7	3.1	218.	37.7
%RSD	.18652	.06844	.39151	.38727
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.151%	97.021%	95.699%	98.531%
Range				

Sample Name: 450-8501-b-15-a Acquired: 1/3/2013 21:56:20 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.10693**	**2310.3**	**4.0310**	**14.318**	**329.86**	**-.01417**	**40269.**	**.0688**
Stddev	.39146	8.4	1.9685	.408	.32	.04057	87.	.1486
%RSD	366.08	.36296	48.834	2.8528	.09627	286.27	.21709	216.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.1494**	**6.7499**	**2.2148**	**2459.7**	**2326.7**	**34.575**	**4704.7**	**81.002**
Stddev	.0537	.1833	.5382	**6.6**	51.6	.691	8.6	.075
%RSD	4.6719	2.7152	24.299	.26737	2.2194	1.9991	.18273	.09285
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.4503**	**35631.**	**2.9584**	**1.9632**	**1.395**	**-.72972**	**-.07260**	**42.424**
Stddev	.1998	20.	.0906	.8153	2.060	.93533	.11950	2.971
%RSD	13.777	.05492	3.0613	41.530	147.7	128.18	164.60	7.0024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 450-8501-b-15-a Acquired: 1/3/2013 21:56:20 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**1.7354**	**2.7490**	**10.209**	**4520.2**	**2719.0**
Stddev	.5316	.6881	.024	14.4	14.1
%RSD	30.630	25.029	.23096	.31889	.51792
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6504.6**	**4683.9**	**56896.**	**9834.2**
Stddev	9.8	5.3	53.	39.3
%RSD	.15102	.11347	.09372	.39928
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.408%	99.595%	97.996%	99.533%
Range				

Sample Name: 450-8501-b-16-a Acquired: 1/3/2013 22:00:12 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.09555**	**48.617**	**.26821**	**5.2993**	**11.515**	**-.05515**	**4355.9**	**-.0552**
Stddev	.14802	16.873	.22387	.2273	.149	.05438	10.9	.0564
%RSD	154.91	34.706	83.468	4.2901	1.2931	98.604	.25031	102.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.16362**	**.30477**	**-.03017**	**68.905**	**616.73**	**-.13510**	**679.38**	**7.5343**
Stddev	.05161	.07725	.43589	.668	30.07	.42534	4.42	.0375
%RSD	31.541	25.347	1444.9	.96967	4.8763	314.85	.65034	.49760
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.14079**	**2880.1**	**.97516**	**-1.1659**	**-.0986**	**-.62538**	**.34706**	**.83126**
Stddev	.14564	16.4	.15865	1.2081	1.825	.98259	.30846	.09318
%RSD	103.44	.56863	16.269	103.62	1851.	157.12	88.878	11.209
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 450-8501-b-16-a Acquired: 1/3/2013 22:00:12 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**.97674**	**-.15246**	**4.9321**	**858.35**	**22.188**
Stddev	.79050	.34639	.0620	1.78	2.102
%RSD	80.932	227.20	1.2579	.20752	9.4731
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6755.3**	**4782.4**	**58287.**	**9955.6**
Stddev	2.8	3.2	192.	23.8
%RSD	.04184	.06726	.32941	.23946
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	102.20%	101.69%	100.39%	100.76%
Range				

Sample Name: CCV Acquired: 1/3/2013 22:04:12 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1008.0**	**24797.**	**514.20**	**5088.6**	**1995.7**	**2055.3**	**50959.**	**507.3**
Stddev	1.7	11.	2.47	2.3	2.7	2.3	45.	**.5**
%RSD	.17173	.04446	.48023	.04468	.13472	.11354	.08832	.0939
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2001.7**	**2006.6**	**2010.8**	**25520.**	**48801.**	**5042.6**	**50945.**	**2044.3**
Stddev	1.1	.9	4.5	24.	**75.**	3.0	24.	6.5
%RSD	.05410	.04647	.22324	.09557	.15420	.05988	.04714	.32024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2055.8**	**49398.**	**2000.5**	**501.62**	**501.1**	**500.80**	**4976.8**	**5229.9**
Stddev	5.7	83.	1.4	1.98	1.6	2.31	11.5	9.7
%RSD	.27578	.16715	.06971	.39492	.3264	.46215	.23027	.18585
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Sample Name: CCV Acquired: 1/3/2013 22:04:12 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**1029.1**	**2007.1**	**2039.3**	**5278.7**	**5049.0**
Stddev	2.1	1.5	1.4	71.8	2.9
%RSD	.20195	.07707	.06652	1.3604	.05787
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6128.5**	**4546.9**	**55320.**	**9649.0**
Stddev	2.6	5.6	55.	14.5
%RSD	.04258	.12400	.09918	.15068

Sample Name: CCB Acquired: 1/3/2013 22:08:02 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.32671**	**-3.9287**	**-1.2194**	**5.9329**	**.34312**	**.04543**	**29.764**	**.0495**
Stddev	.25281	3.3814	.9310	.4784	.09627	.02012	2.473	.1709
%RSD	77.380	86.069	**76**.353	8.0643	28.058	44.277	8.3083	345.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.21009**	**-.01957**	**.02845**	**1.4699**	**36.987**	**-.76300**	**3.6299**	**.08448**
Stddev	.10534	.12082	.49652	.5394	51.404	.48676	12.871	.02776
%RSD	50.138	617.29	1745.3	36.696	138.98	**63**.796	354.58	32.860
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.57516**	**55.281**	**.21307**	**.39685**	**1.258**	**1.4068**	**.52596**	**1.0635**
Stddev	.06241	10.283	.16011	.27154	2.232	2.2780	.22242	.0857
%RSD	10.850	18.601	75.144	68.423	177.4	161.93	42.288	8.0623
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 1/3/2013 22:08:02 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**.62158**	**-.62137**	**.64037**	**-.72542**	**1.5513**
Stddev	.80316	.41066	.08761	4.6860	4.3032
%RSD	129.21	66.089	13.680	645.96	277.40
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6701.0**	**4717.4**	**57900.**	**9669.0**
Stddev	5.4	1.9	86.	22.6
%RSD	.08023	.03944	.14814	.23423

Sample Name: 450-8501-b-17-a Acquired: 1/3/2013 22:12:02 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.30253**	**10.263**	**2.3575**	**41.814**	**3205.3**	**-.11939**	**75205.**
Stddev	.28071	5.569	1.1625	.282	2.8	.02499	46.
%RSD	92.787	54.260	49.311	.67416	.08745	20.929	.06173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1458**	**-.01805**	**.73609**	**-.42318**	**28.930**	**2688.0**	**797.76**
Stddev	.1357	.23787	.13396	.36126	.384	9.8	1.64
%RSD	93.06	1317.9	18.199	85.368	1.3289	.36349	.20540
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**7328.9**	**281.02**	**.19114**	**223100.**	**1.8534**	**-.83009**	**2.475**
Stddev	17.3	.74	.16530	1877.	.1700	.39555	.719
%RSD	.23616	.26198	86.482	.84137	9.1720	47.652	29.02
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 450-8501-b-17-a Acquired: 1/3/2013 22:12:02 Type: Unk
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.49170**	**-.24838**	**-.96908**	**2.3338**	**-.38345**	**1.5473**	**2773.0**
Stddev	1.9630	.28507	.05396	.5667	1.5480	.0687	9.2
%RSD	399.24	114.77	5.5684	24.284	403.69	4.4429	.33304
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	**14168.**
Stddev	49.
%RSD	.34334
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6093.3**	**4509.1**	**54254.**	**9718.6**
Stddev	15.0	11.2	103.	17.8
%RSD	.24597	.24803	.18901	.18329
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.186%	95.877%	93.445%	98.364%
Range				

Sample Name: CCV Acquired: 1/3/2013 22:16:06 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1020.6**	**25006.**	**515.98**	**5122.5**	**2009.3**	**2065.6**	**51341.**	**511.1**
Stddev	4.5	61.	1.81	6.2	4.8	1.9	49.	1.0
%RSD	.44162	.24262	.35099	.12040	.23901	.09139	.09594	.1908
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2015.5**	**2023.2**	**2030.6**	**25678.**	**49130.**	**5074.2**	**51236.**	**2062.6**
Stddev	2.9	5.0	6.9	57.	102.	4.0	93.	19.9
%RSD	.14348	.24761	.33903	.22249	.20696	.07876	.18134	.96596
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2066.0**	**49662.**	**2013.5**	**500.85**	**503.5**	**504.86**	**5027.6**	**5272.4**
Stddev	5.9	107.	3.4	1.02	1.3	2.10	8.2	22.5
%RSD	.28557	.21518	.17077	.20409	.2640	.41598	.16239	.42654
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Sample Name: CCV Acquired: 1/3/2013 22:16:06 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**1039.4**	**2018.9**	**2051.9**	**5302.4**	**5080.3**
Stddev	4.5	3.9	2.7	79.4	18.2
%RSD	.43209	.19232	.13303	1.4978	.35861
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6095.1**	**4529.3**	**54835.**	**9576.8**
Stddev	11.0	9.3	245.	25.5
%RSD	.18009	.20503	.44702	.26676

Sample Name: CCB Acquired: 1/3/2013 22:19:55 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.08266**	**15.982**	**1.0163**	**7.5540**	**.26858**	**.05395**	**32.197**	**.0006**
Stddev	.13848	5.132	.3919	.5663	.08448	.06941	1.436	.0852
%RSD	167.53	32.112	38.564	7.4973	31.455	128.66	4.4609	14220.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.02618**	**-.00017**	**-.31823**	**1.7830**	**-11.028**	**2.2538**	**-7.6436**	**.10808**
Stddev	.19534	.32798	.24899	.7571	6.707	.8746	18.594	.02427
%RSD	746.26	189720.	78.241	42.460	60.820	38.803	243.26	22.457
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.61425**	**57.453**	**.08475**	**-.91664**	**.9375**	**.24768**	**.57380**	**1.2231**
Stddev	.04334	8.025	.12426	1.0960	1.094	.73061	.11022	.0933
%RSD	7.0557	13.968	146.61	119.57	116.7	294.98	19.209	7.6309
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 1/3/2013 22:19:55 Type: QC
Method: Standard Method + IEC Checks(v73) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**.40301**	**.60945**	**.72112**	**1.6134**	**2.5091**
Stddev	.46876	1.2146	.19806	1.3763	4.1589
%RSD	116.32	199.29	27.466	85.304	165.75
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6671.0**	**4700.0**	**57241.**	**9621.9**
Stddev	9.2	6.4	166.	20.7
%RSD	.13832	.13645	.28987	.21530

MT6500BLKH20 22

Test America North Canton ICP Data Review Checklist

Run/Project Information:

Run Date: 1-3-13 Analyst: RMT Instrument: IS

Review Items

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level?
1. Instrument calibrated per manufacturer's instructions (minimum 2 exposures/sample) and at SOP specified levels?	✓			✓
2. ICV/CCV analyzed at appropriate frequency and within control limits? (*ICV (2^{nd} source):*200.7=95 –105%, 6010B 90-110%) *(CCV: 90 – 110%)*	✓			✓
3. ICB/CCB analyzed at appropriate frequency and within +/- RL?	✓			✓
4. CRI run at SOP or project-specific frequency? Recovered within QC limits? (project specific limits may vary)	✓			✓
5. ICSA/ICSAB run at required frequency and within SOP limits?	✓			✓
B. Sample Results				
1. Were samples with concentrations > the linear range for any parameter diluted and reanalyzed?	✓			✓
2. All reported results bracketed by in control QC?	✓			✓
3. Was the internal standard(s) within acceptance criteria for all results reported?	✓			✓
3. Sample analyses done within holding time?	✓			✓
C. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < RL?	✓			✓
3. MS/MSD run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
5. Serial dilution done per prep batch?	✓			✓
6. Post digest spike analyzed if required?	✓			✓
D. Other			WT 1-4-13	
1. Are all nonconformances documented appropriately?	✓		✓	✓
2. Current IDL/MDL/LR/IEC data on file?	✓			✓
3. Calculations checked for error?	✓			✓
4. Transcriptions checked for error?	✓			✓
5. All client/project specific requirements met?	✓			✓
6. Date/time of analysis verified as correct?	✓			✓

Level I Analyst: Rayna Jolly Date: 1-3-13 Time: 11:25 - ~~13:53~~ 19T 1-4-13 14:21

Level I Analyst: Rayna Jolly Date: 1-4-13 Time: 14:25 - 22:19

Level I Analyst: _____ Date: _____ Time: _____

Level II Reviewer: Natalie J Jolly Date: 1-4-13 Time: 11:25 - 14:21

Level II Reviewer: Natalie J Jolly Date: 1-4-13 Time: 14:25 - 22:19

Level II Reviewer: _____ Date: _____ Time: _____

Comments: _____

TestAmerica North Canton Hg Data Review Checklist

Run/Project Information:

Circle Methods used: 7470A / 245.1 : 7471:

Run Date: 12/29/12 Analyst: DSH Instrument: HG1

Review Items A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels?	✓			
2. ICV/CCV analyzed at appropriate frequency and within control limits?	✓			
3. ICB/CCB analyzed at appropriate frequency and within +/- RL?	✓			
4. CRA run?	✓			
B. Sample Results				
1. Were samples with concentrations > high calibration standard diluted and reanalyzed?	✓			
2. All reported results bracketed by in control QC?	✓			
3. Sample analyses done within holding time?	✓			
C. Preparation/ Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			
2. Method blank done per prep batch and < RL?	✓			
3. MS run at required frequency and within limits?	✓			
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			
D. Other				
1. Are all nonconformances documented appropriately?	28773		✓	
2. Current IDL/MDL data on file?	✓			
3. Calculations and Transcription checked for error?	✓			
4. All client/project specific requirements met?	✓			
5. Date of analysis verified as correct?	✓			

Level I

Analyst: [signature] Date/Time: 12/31/12 Reviewed from 10:42 to 15:14

Analyst: _____ Date/Time: _____ Reviewed from _____ to _____

Comments: Batch # 70694 DOD limits 12-19

Level II

Reviewer: _____ Date/Time: _____ Reviewed from _____ to _____

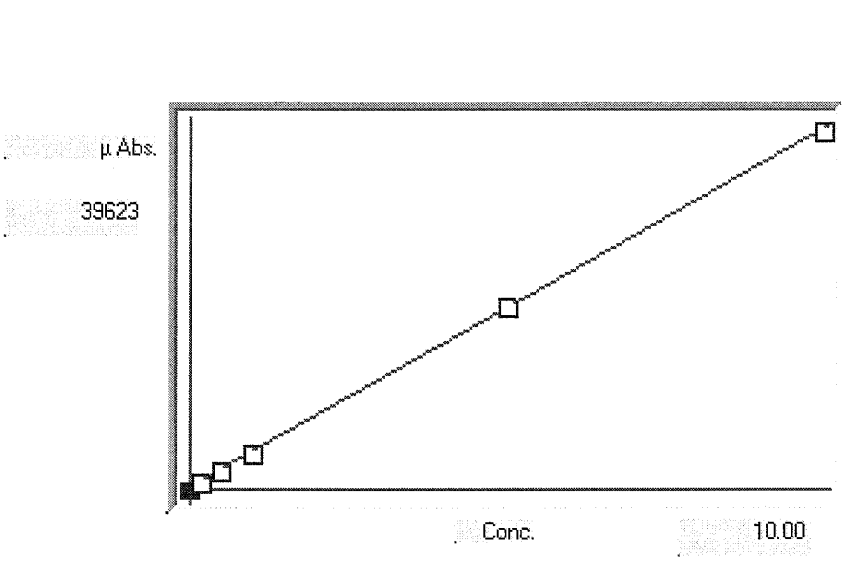
Reviewer: _____ Date/Time: _____ Reviewed from _____ to _____

Comments _____

Curve Date 12/28/12 Curve Time 920 - 1120 DILUTION H20 08002

Revised 11/29/2012

Protocol: 1229AHG1



S	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
01	.00000	.0183	.0183	256	1	255				
02	.20000	.1904	-.0096	935	0%	935				
03	.50000	.4780	-.0220	2072	0%	2071				
04	1.0000	.9950	-.0050	4114	0%	4113				
05	5.0000	5.033	.0334	20065	0%	20064				
06	10.000	9.985	-.0151	39622	0%	39622				
07										
08										
09										
10										

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Standard: 1 Rep: 1				Seq: 1		10:42:38 29 Dec 12			HG
Hg	.0000	ppb	255						
*** Standard: 2 Rep: 1				Seq: 2		10:44:11 29 Dec 12			HG
Hg	.2000	ppb	935						
*** Standard: 3 Rep: 1				Seq: 3		10:45:40 29 Dec 12			HG
Hg	.5000	ppb	2071						
*** Standard: 4 Rep: 1				Seq: 4		10:47:37 29 Dec 12			HG
Hg	1.000	ppb	4113						
*** Standard: 5 Rep: 1				Seq: 5		10:49:28 29 Dec 12			HG
Hg	5.000	ppb	20064						
*** Standard: 6 Rep: 1				Seq: 6		10:50:56 29 Dec 12			HG
Hg	10.00	ppb	39622						

*** Check Standard: 2 Ck2ICV				Seq: 7		10:52:14 29 Dec 12			HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD			
Hg		93.04	2.326	2.500	ppb	.0000			

*** Check Standard: 3 Ck3ICB				Seq: 8		10:53:51 29 Dec 12			HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD			
Hg		^^^^^^	-.0286	.0000	ppb	.0000			

*** Check Standard: 4 Ck4CRA\MRL				Seq: 9		10:55:12 29 Dec 12			HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD			
Hg		91.67	.1833	.2000	ppb	.0000			

*** Check Standard: 6 Ck6CCV				Seq: 10		11:56:29 29 Dec 12			HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD			
Hg		99.24	4.962	5.000	ppb	.0000			

*** Check Standard: 1 Ck1CCB				Seq: 11		11:57:53 29 Dec 12			HG
Line	Flag	Found	Range(+/-)	Units		SD/RSD			
Hg		-.0237	.2000	ppb		.0000			

*** Sample ID:				Seq: 12		11:59:09 29 Dec 12			HG
				MB 240-70255/1-A					
Hg	.0008	ppb	.0000	.0008					
*** Sample ID:				Seq: 13		12:00:37 29 Dec 12			HG
				LCS 240-70255/2-A					
Hg	4.891	ppb	.0000	4.891					
*** Sample ID:				Seq: 14		12:02:15 29 Dec 12			HG
				240-19161-U-1-A					
Hg	.0127	ppb	.0000	.0127					
*** Sample ID:				Seq: 15		12:03:44 29 Dec 12			HG
				240-19161-U-1-B MS					
Hg	.9920	ppb	.0000	.9920					
*** Sample ID:				Seq: 16		12:05:15 29 Dec 12			HG
				240-19161-U-1-C MSD					
Hg	.9986	ppb	.0000	.9986					

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 17 12:06:45 29 Dec 12 HG
240-18703-V-24-A
Hg -.0032 ppb .0000 -.0032

*** Sample ID: Seq: 18 12:08:41 29 Dec 12 HG
240-18735-S-4-A
Hg -.0012 ppb .0000 -.0012

*** Sample ID: Seq: 19 12:10:47 29 Dec 12 HG
240-18735-S-3-A
Hg -.0007 ppb .0000 -.0007

*** Sample ID: cra Seq: 20 12:12:08 29 Dec 12 HG
Hg .2165 ppb .0000 .2165

*** Sample ID: Seq: 21 12:13:29 29 Dec 12 HG
LB 240-70426/1-D
Hg -.0081 ppb .0000 -.0081

*** Check Standard: 6 Ck6CCV Seq: 22 12:14:48 29 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		98.83	4.941	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 23 12:16:05 29 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0513	.2000	ppb	.0000

*** Sample ID: Seq: 24 12:17:21 29 Dec 12 HG
MB 240-70482/2-A
Hg -.0096 ppb .0000 -.0096

*** Sample ID: Seq: 25 12:19:07 29 Dec 12 HG
LCS 240-70482/3-A
Hg 4.680 ppb .0000 4.680

*** Sample ID: Seq: 26 12:20:33 29 Dec 12 HG
240-18972-Z-1-F
Hg .0056 ppb .0000 .0056

*** Sample ID: Seq: 27 12:21:52 29 Dec 12 HG
240-18972-Z-1-G MS
Hg 4.681 ppb .0000 4.681

*** Sample ID: Seq: 28 12:23:32 29 Dec 12 HG
240-18972-Z-1-H MSD
Hg 4.703 ppb .0000 4.703

*** Sample ID: Seq: 29 12:24:58 29 Dec 12 HG
LB 240-70215/1-E
Hg .0028 ppb .0000 .0028

*** Sample ID: Seq: 30 12:26:52 29 Dec 12 HG
MB 240-70288/2-A
Hg .0102 ppb .0000 .0102

*** Sample ID: Seq: 31 12:28:08 29 Dec 12 HG
LCS 240-70288/3-A
Hg 4.421 ppb .0000 4.421

*** Sample ID: Seq: 32 12:30:39 29 Dec 12 HG
240-17699-A-1-F
Hg .0623 ppb .0000 .0623

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 33	12:31:57 29 Dec 12	HG		
				240-17699-A-1-G MS				
Hg	5.069	ppb	.0000	5.069				
*** Check Standard: 6 Ck6CCV				Seq: 34	12:33:23 29 Dec 12	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		99.69	4.985	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB				Seq: 35	12:34:51 29 Dec 12	HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0321	.2000	ppb	.0000			
*** Sample ID:				Seq: 36	12:36:09 29 Dec 12	HG		
				240-17699-A-1-H MSD				
Hg	5.153	ppb	.0000	5.153				
*** Sample ID:				Seq: 37	12:37:36 29 Dec 12	HG		
				240-19131-F-7-E				
Hg	-.0253	ppb	.0000	-.0253				
*** Sample ID:				Seq: 38	12:39:46 29 Dec 12	HG		
				240-19193-B-1-D				
Hg	-.0265	ppb	.0000	-.0265				
*** Sample ID:				Seq: 39	12:41:06 29 Dec 12	HG		
				240-19130-D-3-D				
Hg	.0125	ppb	.0000	.0125				
*** Sample ID:				Seq: 40	12:42:33 29 Dec 12	HG		
				240-19130-B-1-D				
Hg	.0261	ppb	.0000	.0261				
*** Sample ID:				Seq: 41	12:44:10 29 Dec 12	HG		
				240-19098-M-1-D				
Hg	.0689	ppb	.0000	.0689				
*** Sample ID:				Seq: 42	12:45:31 29 Dec 12	HG		
				240-19107-B-3-D				
Hg	-.0005	ppb	.0000	-.0005				
*** Sample ID:				Seq: 43	12:47:10 29 Dec 12	HG		
				240-19107-A-1-D				
Hg	.0193	ppb	.0000	.0193				
*** Sample ID:				Seq: 44	12:49:28 29 Dec 12	HG		
				240-19107-B-2-D				
Hg	-.0164	ppb	.0000	-.0164				
*** Sample ID:				Seq: 45	12:51:07 29 Dec 12	HG		
				240-19130-D-2-D				
Hg	-.0136	ppb	.0000	-.0136				
*** Check Standard: 6 Ck6CCV				Seq: 46	12:52:33 29 Dec 12	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		98.34	4.917	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB				Seq: 47	12:54:11 29 Dec 12	HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0356	.2000	ppb	.0000			
*** Sample ID:				Seq: 48	12:55:49 29 Dec 12	HG		
				240-18887-B-1-E				
Hg	.0016	ppb	.0000	.0016				

Closing CRA flow 12/31/12 DSH

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 49	12:57:40 29 Dec 12	HG		
				LB 240-70416/1-D				
Hg	.0112	ppb	.0000	.0112				
*** Sample ID:				Seq: 50	12:59:01 29 Dec 12	HG		
				MB 240-70478/2-A				
Hg	-.0427	ppb	.0000	-.0427				
*** Sample ID:				Seq: 51	13:00:21 29 Dec 12	HG		
				LCS 240-70478/3-A				
Hg	4.530	ppb	.0000	4.530				
*** Sample ID:				Seq: 52	13:01:41 29 Dec 12	HG		
				240-18972-T-2-F				
Hg	29.26 H	ppb	.0000	29.26				
*** Sample ID:				Seq: 53	13:03:13 29 Dec 12	HG		
				240-18972-T-2-G MS				
Hg	27.55 H	ppb	.0000	27.55				
*** Sample ID:				Seq: 54	13:04:41 29 Dec 12	HG		
				240-18972-T-2-H MSD				
Hg	29.05 H	ppb	.0000	29.05				
*** Sample ID:				Seq: 55	13:06:20 29 Dec 12	HG		
				240-19119-A-2-E				
Hg	.1357	ppb	.0000	.1357				
*** Sample ID:				Seq: 56	13:07:40 29 Dec 12	HG		
				MB 240-70391/1-A				
Hg	.1347	ppb	.0000	.1347				
*** Sample ID:				Seq: 57	13:09:19 29 Dec 12	HG		
				LCS 240-70391/2-A				
Hg	4.633	ppb	.0000	4.633				
*** Check Standard: 6 Ck6CCV				Seq: 58	13:10:38 29 Dec 12	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		99.85	4.993	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB				Seq: 59	13:12:07 29 Dec 12	HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.0109	.2000	ppb	.0000			
*** Check Standard: 6 Ck6CCV				Seq: 60	13:14:44 29 Dec 12	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		98.34	4.917	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB				Seq: 61	13:16:11 29 Dec 12	HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.0152	.2000	ppb	.0000			
*** Sample ID:				Seq: 62	13:17:27 29 Dec 12	HG		
				240-18839-X-3-A				
Hg	.0768	ppb	.0000	.0768				
*** Sample ID:				Seq: 63	13:18:46 29 Dec 12	HG		
				240-18839-X-3-B MS				
Hg	.9039	ppb	.0000	.9039				
*** Sample ID:				Seq: 64	13:20:02 29 Dec 12	HG		
				240-18839-X-3-C MSD				
Hg	.9368	ppb	.0000	.9368				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 65	13:21:51 29 Dec 12	HG		
				240-18839-Y-3-A				
Hg	.0347	ppb	.0000	.0347				
*** Sample ID:				Seq: 66	13:23:10 29 Dec 12	HG		
				240-18839-Y-3-C MSD				
Hg	.8267	ppb	.0000	.8267				
*** Sample ID:				Seq: 67	13:24:49 29 Dec 12	HG		
				240-18839-Y-3-B MS				
Hg	.8922	ppb	.0000	.8922				
*** Sample ID:				Seq: 68	13:26:49 29 Dec 12	HG		
				240-18839-C-4-A				
Hg	.0137	ppb	.0000	.0137				
*** Sample ID:				Seq: 69	13:28:07 29 Dec 12	HG		
				240-18764-G-9-B				
Hg	.0023	ppb	.0000	.0023				
*** Sample ID:				Seq: 70	13:29:46 29 Dec 12	HG		
				240-18764-D-5-B				
Hg	.0082	ppb	.0000	.0082				
*** Sample ID:				Seq: 71	13:31:06 29 Dec 12	HG		
				240-18839-D-4-A				
Hg	.0200	ppb	.0000	.0200				

*** Check Standard: 6 Ck6CCV Seq: 72 13:32:23 29 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		98.69	4.935	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 73 13:33:40 29 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0341	.2000	ppb	.0000

*** Sample ID:				Seq: 74	13:36:27 29 Dec 12	HG		
				240-18839-I-6-A				
Hg	-.0012	ppb	.0000	-.0012				
*** Sample ID:				Seq: 75	13:37:45 29 Dec 12	HG		
				240-19187-A-4-B				
Hg	.0259	ppb	.0000	.0259				
*** Sample ID:				Seq: 76	13:39:15 29 Dec 12	HG		
				240-18839-I-5-A				
Hg	.0249	ppb	.0000	.0249				
*** Sample ID:				Seq: 77	13:40:33 29 Dec 12	HG		
				240-18839-J-5-A				
Hg	-.0111	ppb	.0000	-.0111				
*** Sample ID:				Seq: 78	13:42:22 29 Dec 12	HG		
				240-18764-G-8-B				
Hg	.0008	ppb	.0000	.0008				
*** Sample ID:				Seq: 79	13:44:00 29 Dec 12	HG		
				240-18839-C-1-B				
Hg	.0064	ppb	.0000	.0064				
*** Sample ID:				Seq: 80	13:45:47 29 Dec 12	HG		
				240-19187-A-7-B				
Hg	.0775	ppb	.0000	.0775				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 81	13:47:06 29 Dec 12	HG		
				240-19187-A-2-B				
Hg	.0114	ppb	.0000	.0114				
*** Sample ID:				Seq: 82	13:48:52 29 Dec 12	HG		
				240-19084-I-1-A				
Hg	-.0037	ppb	.0000	-.0037				
*** Sample ID:				Seq: 83	13:50:09 29 Dec 12	HG		
				240-18839-D-2-B				
Hg	.0127	ppb	.0000	.0127				
*** Check Standard: 6 Ck6CCV				Seq: 84	13:51:46 29 Dec 12	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		98.85	4.943	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB				Seq: 85	13:53:08 29 Dec 12	HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0313	.2000	ppb	.0000			
*** Sample ID:				Seq: 86	13:54:54 29 Dec 12	HG		
				240-18764-D-10-B				
Hg	.0066	ppb	.0000	.0066				
*** Sample ID:				Seq: 87	13:56:43 29 Dec 12	HG		
				240-18764-D-6-B				
Hg	.0071	ppb	.0000	.0071				
*** Sample ID:				Seq: 88	13:58:05 29 Dec 12	HG		
				240-18839-J-6-A				
Hg	-.0050	ppb	.0000	-.0050				
*** Sample ID:				Seq: 89	13:59:47 29 Dec 12	HG		
				240-18764-G-7-B				
Hg	.0132	ppb	.0000	.0132				
*** Sample ID:				Seq: 90	14:01:18 29 Dec 12	HG		
				240-18972-T-2-F@5				
10X Hg	15.54 H	ppb	.0000	15.54				
*** Sample ID:				Seq: 91	14:03:16 29 Dec 12	HG		
				240-18972-T-2-GMS@5				
10X Hg	16.10 H	ppb	.0000	16.10				
*** Sample ID:				Seq: 92	14:04:46 29 Dec 12	HG		
				240-18972-T-2-HMSD@5				
10X Hg	15.74 H	ppb	.0000	15.74				
*** Sample ID:				Seq: 93	14:06:02 29 Dec 12	HG		
				cra				
Hg	.1069	ppb	.0000	.1069				
*** Check Standard: 6 Ck6CCV				Seq: 94	14:07:31 29 Dec 12	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		98.94	4.947	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB				Seq: 95	14:08:48 29 Dec 12	HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0215	.2000	ppb	.0000			
*** Check Standard: 6 Ck6CCV				Seq: 96	14:10:21 29 Dec 12	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		99.23	4.961	5.000	ppb	.0000		

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 1 Ck1CCB Seq: 97 14:11:36 29 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0281	.2000	ppb	.0000

*** Sample ID: Seq: 98 14:13:24 29 Dec 12 HG
MB 240-70547/1-A

Hg	.0190	ppb	.0000	.0190

*** Sample ID: Seq: 99 14:14:38 29 Dec 12 HG
LCS 240-70547/2-A

Hg	5.576	ppb	.0000	5.576

*** Sample ID: Seq: 100 14:16:16 29 Dec 12 HG
240-18839-C-7-B

Hg	.0350	ppb	.0000	.0350

*** Sample ID: Seq: 101 14:17:36 29 Dec 12 HG
240-18839-C-7-C MS

Hg	1.022	ppb	.0000	1.022

*** Sample ID: Seq: 102 14:19:02 29 Dec 12 HG
240-18839-C-7-D MSD

Hg	.9892	ppb	.0000	.9892

*** Sample ID: Seq: 103 14:20:33 29 Dec 12 HG
240-18839-I-8-B

Hg	.0390	ppb	.0000	.0390

*** Sample ID: Seq: 104 14:21:49 29 Dec 12 HG
240-18839-J-8-B

Hg	.0079	ppb	.0000	.0079

*** Sample ID: Seq: 105 14:23:06 29 Dec 12 HG
240-19282-B-2-A

Hg	.0107	ppb	.0000	.0107

*** Sample ID: Seq: 106 14:24:22 29 Dec 12 HG
240-19084-I-3-A

Hg	.0454	ppb	.0000	.0454

*** Sample ID: Seq: 107 14:25:43 29 Dec 12 HG
240-19230-N-2-B

Hg	.0084	ppb	.0000	.0084

*** Check Standard: 6 Ck6CCV Seq: 108 14:27:03 29 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		99.71	4.985	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 109 14:29:00 29 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0096	.2000	ppb	.0000

*** Sample ID: Seq: 110 14:30:39 29 Dec 12 HG
240-19286-A-1-A

Hg	-.0075	ppb	.0000	-.0075

*** Sample ID: Seq: 111 14:32:02 29 Dec 12 HG
240-19230-N-4-B

Hg	-.0083	ppb	.0000	-.0083

*** Sample ID: Seq: 112 14:33:27 29 Dec 12 HG
240-19240-E-1-A

Hg	.0355	ppb	.0000	.0355

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 113	14:35:32 29 Dec 12	HG		
				240-19230-N-1-B				
Hg	-.0167	ppb	.0000	-.0167				
*** Sample ID:				Seq: 114	14:37:09 29 Dec 12	HG		
				240-19230-K-7-B				
Hg	-.0086	ppb	.0000	-.0086				
*** Sample ID:				Seq: 115	14:38:35 29 Dec 12	HG		
				240-19084-I-6-A				
Hg	-.0070	ppb	.0000	-.0070				
*** Sample ID:				Seq: 116	14:40:15 29 Dec 12	HG		
				240-19084-I-7-A				
Hg	.0026	ppb	.0000	.0026				
*** Sample ID:				Seq: 117	14:41:38 29 Dec 12	HG		
				240-19230-K-8-B				
Hg	-.0050	ppb	.0000	-.0050				
*** Sample ID:				Seq: 118	14:42:58 29 Dec 12	HG		
				240-19084-I-5-A				
Hg	.0023	ppb	.0000	.0023				
*** Sample ID:				Seq: 119	14:44:16 29 Dec 12	HG		
				240-19230-N-3-B				
Hg	.0092	ppb	.0000	.0092				

*** Check Standard: 6 Ck6CCV Seq: 120 14:45:32 29 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		98.42	4.921	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 121 14:47:11 29 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0121	.2000	ppb	.0000

*** Sample ID:				Seq: 122	14:48:31 29 Dec 12	HG		
				240-19246-A-1-A				
Hg	-.0022	ppb	.0000	-.0022				
*** Sample ID:				Seq: 123	14:49:58 29 Dec 12	HG		
				240-18839-D-7-B				
Hg	-.0108	ppb	.0000	-.0108				
*** Sample ID:				Seq: 124	14:51:54 29 Dec 12	HG		
				240-19084-I-2-A				
Hg	-.0053	ppb	.0000	-.0053				
*** Sample ID:				Seq: 125	14:53:12 29 Dec 12	HG		
				240-19084-I-4-A				
Hg	-.0010	ppb	.0000	-.0010				
*** Sample ID:				Seq: 126	14:54:28 29 Dec 12	HG		
				MB 240-70548/1-A				
Hg	-.0022	ppb	.0000	-.0022				
*** Sample ID:				Seq: 127	14:56:08 29 Dec 12	HG		
				LCS 240-70548/2-A				
Hg	5.240	ppb	.0000	5.240				
*** Sample ID:				Seq: 128	14:57:29 29 Dec 12	HG		
				240-19198-J-1-A				
Hg	-.0103	ppb	.0000	-.0103				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 129	14:58:44 29 Dec 12			HG
				240-19198-J-1-B MS				
Hg	1.035	ppb	.0000	1.035				
*** Sample ID:				Seq: 130	15:00:47 29 Dec 12			HG
				240-19198-J-1-C MSD				
Hg	1.053	ppb	.0000	1.053				
*** Sample ID:				Seq: 131	15:02:04 29 Dec 12			HG
				240-18925-J-1-A				
Hg	-.0194	ppb	.0000	-.0194				

*** Check Standard: 6 Ck6CCV				Seq: 132	15:03:22 29 Dec 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		96.84	4.842	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB				Seq: 133	15:04:40 29 Dec 12	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD	
Hg		-.0108	.2000	ppb	.0000	

*** Sample ID:				Seq: 134	15:06:18 29 Dec 12	HG
				240-19338-G-4-A		
Hg	.0011	ppb	.0000	.0011		
*** Sample ID:				Seq: 135	15:07:35 29 Dec 12	HG
				240-18925-I-1-A		
Hg	.0036	ppb	.0000	.0036		
*** Sample ID:				Seq: 136	15:09:05 29 Dec 12	HG
				240-19338-G-5-A		
Hg	.1793	ppb	.0000	.1793		
*** Sample ID:				Seq: 137	15:11:03 29 Dec 12	HG
				240-19180-A-2-A		
Hg	.0140	ppb	.0000	.0140		
*** Sample ID:				Seq: 138	15:12:19 29 Dec 12	HG
				240-19338-G-1-A		
Hg	-.0162	ppb	.0000	-.0162		
*** Sample ID:				Seq: 139	15:13:35 29 Dec 12	HG
				240-19338-G-6-A		
Hg	.0140	ppb	.0000	.0140		
*** Sample ID:				Seq: 140	15:14:51 29 Dec 12	HG
				240-19255-A-13-B		
Hg	-.0010	ppb	.0000	-.0010		
*** Sample ID:				Seq: 141	15:16:28 29 Dec 12	HG
				240-19338-G-2-A		
Hg	-.0162	ppb	.0000	-.0162		
*** Sample ID:				Seq: 142	15:17:54 29 Dec 12	HG
				240-19306-C-1-A		
Hg	.0897	ppb	.0000	.0897		
*** Sample ID:				Seq: 143	15:19:15 29 Dec 12	HG
				240-19180-A-6-A		
Hg	.0076	ppb	.0000	.0076		

*** Check Standard: 6 Ck6CCV				Seq: 144	15:21:03 29 Dec 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		95.25	4.763	5.000	ppb	.0000

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 1 Ck1CCB Seq: 145 15:22:32 29 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0407	.2000	ppb	.0000

*** Sample ID: Seq: 146 15:24:00 29 Dec 12 HG
240-19180-A-4-A

Hg	-.0045	ppb	.0000	-.0045	

*** Sample ID: Seq: 147 15:25:27 29 Dec 12 HG
240-19212-I-1-A

Hg	.0135	ppb	.0000	.0135	

*** Sample ID: Seq: 148 15:26:46 29 Dec 12 HG
240-18925-C-2-A

Hg	.0145	ppb	.0000	.0145	

*** Sample ID: Seq: 149 15:28:23 29 Dec 12 HG
240-18925-D-2-A

Hg	-.0032	ppb	.0000	-.0032	

*** Sample ID: Seq: 150 15:30:16 29 Dec 12 HG
240-19180-A-10-A

Hg	.0163	ppb	.0000	.0163	

*** Sample ID: Seq: 151 15:31:32 29 Dec 12 HG
240-19338-G-3-A

Hg	.0033	ppb	.0000	.0033	

*** Sample ID: Seq: 152 15:32:58 29 Dec 12 HG
240-19180-A-8-A

Hg	-.0151	ppb	.0000	-.0151	

*** Sample ID: Seq: 153 15:34:17 29 Dec 12 HG
240-18983-A-1-A

Hg	.0142	ppb	.0000	.0142	

*** Sample ID: Seq: 154 15:35:45 29 Dec 12 HG
240-18972-T-2-F@10

Hg	10.78 H	ppb	.0000	10.78	

20x

*** Sample ID: Seq: 155 15:37:03 29 Dec 12 HG
240-18972-T-2-GMS@10

Hg	11.11 H	ppb	.0000	11.11	

20x

*** Check Standard: 6 Ck6CCV Seq: 156 15:38:30 29 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		96.78	4.839	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 157 15:39:47 29 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0291	.2000	ppb	.0000

*** Sample ID: Seq: 158 15:41:47 29 Dec 12 HG
240-18972-T-2- MSD@1

Hg	10.98 H	ppb	.0000	10.98	

20x

*** Check Standard: 6 Ck6CCV Seq: 159 15:43:14 29 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		96.39	4.819	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 160 15:44:40 29 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0141	.2000	ppb	.0000

TestAmerica North Canton Hg Data Review Checklist

Run/Project Information:

Circle Methods used: (7470A / 245.1 :) 7471:

Run Date: 12/20/12 Analyst: DSH Instrument: H4

Review Items

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels?	✓			✓
2. ICV/CCV analyzed at appropriate frequency and within control limits?	✓			✓
3. ICB/CCB analyzed at appropriate frequency and within +/- RL?	✓			✓
4. CRA run?	✓			✓
B. Sample Results				
1. Were samples with concentrations > high calibration standard diluted and reanalyzed?			✓	✓
2. All reported results bracketed by in control QC?	✓			✓
3. Sample analyses done within holding time?	✓			✓
C. Preparation/ Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < RL?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?			✓	✓
2. Current IDL/MDL data on file?	✓			✓
3. Calculations and Transcription checked for error?	✓			✓
4. All client/project specific requirements met?	✓			✓
5. Date of analysis verified as correct?	✓			✓

Level I

Analyst: [signature] Date/Time: 12/20/12 Reviewed from 9:06 to 15:06

Analyst: [signature] Date/Time: 12/24/12 Reviewed from 15:34 to 19:45

Comments: Batch# 69605 DOA LCS TCLP Lines 104 -> 113

Level II

Reviewer: [signature] Date/Time: 12/20/12 Reviewed from 9:06 to 15:06

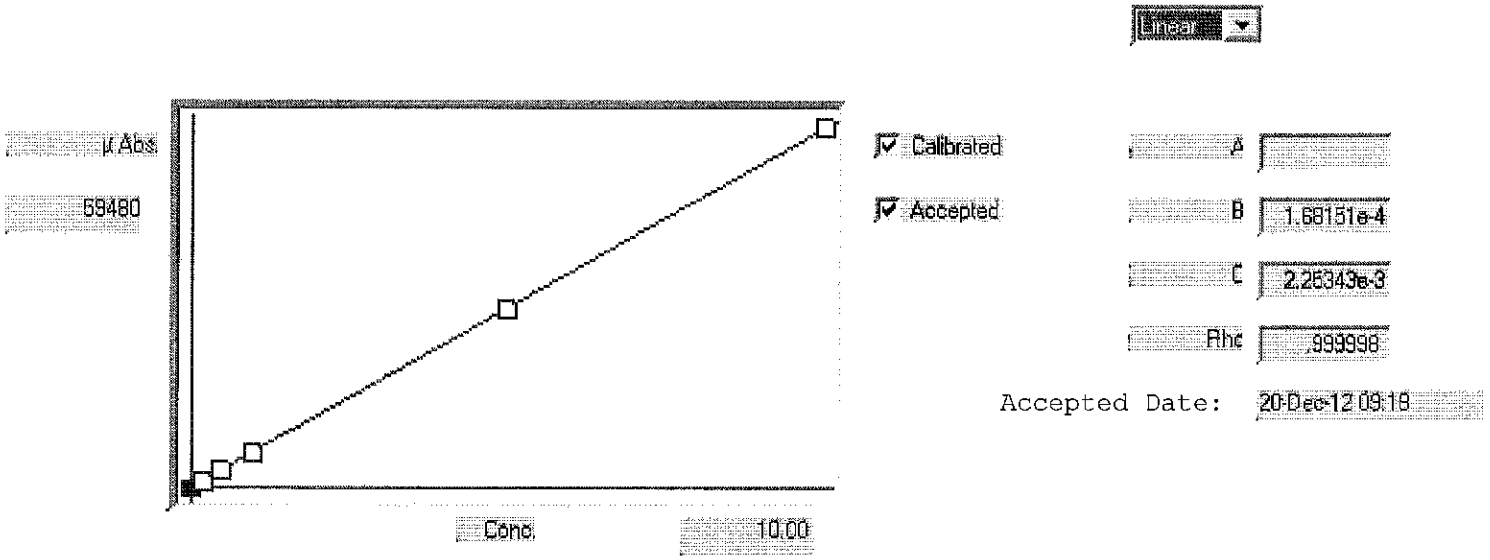
Reviewer: [signature] Date/Time: 12-24-12 Reviewed from 15:34 to 19:45

Comments

Curve Date 12/19/12 Curve Time 10:24 - 12:24P DILUTION H20 N/A

Revised 11/29/2012

Protocol: 1220AHG4



S	Conc	Calc	Dev	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
01	.00000	.0137	.0137	68	1	68				
02	.20000	.1931	-.0069	1135	0%	1135				
03	.50000	.5035	.0035	2982	0%	2981				
04	1.0000	.9922	-.0078	5888	0%	5887				
05	5.0000	4.994	-.0063	29685	0%	29684				
06	10.000	10.00	.0039	59480	0%	59480				
07										
08										
09										
10										

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Standard: 1 Rep: 1				Seq: 1		09:06:57 20 Dec 12			HG
Hg	.0000	ppb	68						
*** Standard: 2 Rep: 1				Seq: 2		09:09:00 20 Dec 12			HG
Hg	.2000	ppb	1135						
*** Standard: 3 Rep: 1				Seq: 3		09:11:03 20 Dec 12			HG
Hg	.5000	ppb	2981						
*** Standard: 4 Rep: 1				Seq: 4		09:12:53 20 Dec 12			HG
Hg	1.000	ppb	5887						
*** Standard: 5 Rep: 1				Seq: 5		09:15:56 20 Dec 12			HG
Hg	5.000	ppb	29684						
*** Standard: 6 Rep: 1				Seq: 6		09:18:01 20 Dec 12			HG
Hg	10.00	ppb	59480						

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
*** Check Standard: 2 Ck2ICV			Seq: 7		09:20:05 20 Dec 12	HG
Hg		95.15	2.379	2.500	ppb	.0000
*** Check Standard: 3 Ck3ICB			Seq: 8		09:22:06 20 Dec 12	HG
Hg		^^^^^^	-.0072	.0000	ppb	.0000
*** Check Standard: 4 Ck4CRA\MRL			Seq: 9		09:24:04 20 Dec 12	HG
Hg		100.1	.2002	.2000	ppb	.0000
*** Check Standard: 6 Ck6CCV			Seq: 10		11:26:39 20 Dec 12	HG
Hg		97.74	4.887	5.000	ppb	.0000

Line	Flag	Found	Range(+/-)	Units	SD/RSD
*** Check Standard: 1 Ck1CCB			Seq: 11		11:29:18 20 Dec 12 HG
Hg		.0023	.6000	ppb	.0000

*** Sample ID:			Seq: 12		11:31:25 20 Dec 12	HG
		mb 240-69453/1-a				
Hg	-.0025	ppb	.0000	-.0025		
*** Sample ID:			Seq: 13		11:33:38 20 Dec 12	HG
		lcs 240-69453/2-a				
Hg	4.151	ppb	.0000	4.151		
*** Sample ID:			Seq: 14		11:35:47 20 Dec 12	HG
		240-18338-b-1-c				
Hg	.0355	ppb	.0000	.0355		
*** Sample ID:			Seq: 15		11:38:56 20 Dec 12	HG
		240-18710-a-1-h@10				
Hg	-.0009	ppb	.0000	-.0009		
*** Sample ID:			Seq: 16		11:41:26 20 Dec 12	HG
		mb 240-69383/1-a				
Hg	-.0041	ppb	.0000	-.0041		

Rerun LCS

LCS FAILS LXZ
reprep 12/20/12
DSolt

Rerun ST

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 17	11:43:26 20 Dec 12	HG		
				lcs 240-69383/2-a				
Hg	4.990	ppb	.0000	4.990				
*** Sample ID:				Seq: 18	11:45:45 20 Dec 12	HG		
				240-18827-o-3-b				
Hg	-.0056	ppb	.0000	-.0056				
*** Sample ID:				Seq: 19	11:47:35 20 Dec 12	HG		
				240-18827-o-3-c ms				
Hg	.9863	ppb	.0000	.9863				
*** Sample ID:				Seq: 20	11:49:26 20 Dec 12	HG		
				240-18827-o-3-d msd				
Hg	.9812	ppb	.0000	.9812				
*** Sample ID:				Seq: 21	11:51:49 20 Dec 12	HG		
				240-18827-o-7-b				
Hg	.0063	ppb	.0000	.0063				

*** Check Standard: 6 Ck6CCV Seq: 22 11:54:20 20 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		98.69	4.934	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 23 11:56:11 20 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0400	.6000	ppb	.0000

*** Sample ID:				Seq: 24	11:58:01 20 Dec 12	HG		
				240-18827-o-4-b				
Hg	.0058	ppb	.0000	.0058				
*** Sample ID:				Seq: 25	12:00:14 20 Dec 12	HG		
				240-18853-k-6-b				
Hg	.0113	ppb	.0000	.0113				
*** Sample ID:				Seq: 26	12:02:04 20 Dec 12	HG		
				240-18992-b-1-a				
Hg	.0071	ppb	.0000	.0071				
*** Sample ID:				Seq: 27	12:03:51 20 Dec 12	HG		
				240-18827-o-6-b				
Hg	.0058	ppb	.0000	.0058				
*** Sample ID:				Seq: 28	12:05:45 20 Dec 12	HG		
				240-18840-f-2-b				
Hg	.0155	ppb	.0000	.0155				
*** Sample ID:				Seq: 29	12:07:34 20 Dec 12	HG		
				240-18827-o-5-b				
Hg	.0056	ppb	.0000	.0056				
*** Sample ID:				Seq: 30	12:09:35 20 Dec 12	HG		
				240-18853-k-4-b				
Hg	.0083	ppb	.0000	.0083				
*** Sample ID:				Seq: 31	12:11:56 20 Dec 12	HG		
				240-18853-k-2-b				
Hg	.0110	ppb	.0000	.0110				
*** Sample ID:				Seq: 32	12:13:45 20 Dec 12	HG		
				240-18853-k-10-b				
Hg	.0091	ppb	.0000	.0091				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 33	12:15:34 20 Dec 12	HG		
				240-18853-k-9-b				
Hg	.0250	ppb	.0000	.0250				
*** Check Standard: 6 Ck6CCV				Seq: 34	12:17:25 20 Dec 12	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		100.2	5.012	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB				Seq: 35	12:19:24 20 Dec 12	HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0139	.6000	ppb	.0000			
*** Sample ID:				Seq: 36	12:21:48 20 Dec 12	HG		
				240-18853-k-3-b				
Hg	.0172	ppb	.0000	.0172				
*** Sample ID:				Seq: 37	12:23:48 20 Dec 12	HG		
				240-18992-a-1-a				
Hg	.0053	ppb	.0000	.0053				
*** Sample ID:				Seq: 38	12:25:49 20 Dec 12	HG		
				240-18853-k-7-b				
Hg	.0090	ppb	.0000	.0090				
*** Sample ID:				Seq: 39	12:27:52 20 Dec 12	HG		
				240-18853-k-8-b				
Hg	.0117	ppb	.0000	.0117				
*** Sample ID:				Seq: 40	12:29:40 20 Dec 12	HG		
				240-18853-k-1-b				
Hg	.0107	ppb	.0000	.0107				
*** Sample ID:				Seq: 41	12:32:09 20 Dec 12	HG		
				240-18840-f-1-b				
Hg	.0584	ppb	.0000	.0584				
*** Sample ID:				Seq: 42	12:34:23 20 Dec 12	HG		
				240-18384-a-4-d				
Hg	.0098	ppb	.0000	.0098				
*** Sample ID:				Seq: 43	12:36:12 20 Dec 12	HG		
				240-18853-k-5-b				
Hg	.0329	ppb	.0000	.0329				
*** Sample ID:				Seq: 44	12:38:12 20 Dec 12	HG		
				mb 240-69286/1-a				
Hg	.0174	ppb	.0000	.0174				
*** Sample ID:				Seq: 45	12:40:03 20 Dec 12	HG		
				lcs 240-69286/2-a				
Hg	5.085	ppb	.0000	5.085				
*** Check Standard: 6 Ck6CCV				Seq: 46	12:41:54 20 Dec 12	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		100.1	5.005	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB				Seq: 47	12:44:14 20 Dec 12	HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0008	.6000	ppb	.0000			
*** Sample ID:				Seq: 48	12:46:04 20 Dec 12	HG		
				240-18597-a-42-b				
Hg	.0007	ppb	.0000	.0007				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 49	12:47:57 20 Dec 12	HG		
				240-18597-a-42-c ms				
Hg	1.009	ppb	.0000	1.009				
*** Sample ID:				Seq: 50	12:50:47 20 Dec 12	HG		
				240-18597-a-42-d msd				
Hg	1.025	ppb	.0000	1.025				
*** Sample ID:				Seq: 51	12:52:46 20 Dec 12	HG		
				240-18596-a-8-c				
Hg	.7287	ppb	.0000	.7287				
*** Sample ID:				Seq: 52	12:54:39 20 Dec 12	HG		
				240-18596-a-6-c				
Hg	.0102	ppb	.0000	.0102				
*** Sample ID:				Seq: 53	12:56:28 20 Dec 12	HG		
				240-18596-a-9-c				
Hg	.2733	ppb	.0000	.2733				
*** Sample ID:				Seq: 54	12:58:17 20 Dec 12	HG		
				240-18596-a-5-c				
Hg	.0068	ppb	.0000	.0068				
*** Sample ID:				Seq: 55	13:00:08 20 Dec 12	HG		
				240-18476-e-8-c				
Hg	.0081	ppb	.0000	.0081				
*** Sample ID:				Seq: 56	13:01:57 20 Dec 12	HG		
				240-18626-b-1-c				
Hg	.0086	ppb	.0000	.0086				
*** Sample ID:				Seq: 57	13:04:18 20 Dec 12	HG		
				240-18596-a-7-c				
Hg	.0717	ppb	.0000	.0717				

*** Check Standard: 6 Ck6CCV Seq: 58 13:06:30 20 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		99.91	4.996	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 59 13:08:32 20 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0004	.6000	ppb	.0000

*** Sample ID:				Seq: 60	13:10:25 20 Dec 12	HG		
				240-18596-a-2-c				
Hg	.0140	ppb	.0000	.0140				
*** Sample ID:				Seq: 61	13:12:17 20 Dec 12	HG		
				240-18630-b-1-c				
Hg	.1326	ppb	.0000	.1326				
*** Sample ID:				Seq: 62	13:14:32 20 Dec 12	HG		
				240-18596-a-3-c				
Hg	.5001	ppb	.0000	.5001				
*** Sample ID:				Seq: 63	13:16:47 20 Dec 12	HG		
				240-18596-a-1-e				
Hg	.0095	ppb	.0000	.0095				
*** Sample ID:				Seq: 64	13:18:39 20 Dec 12	HG		
				240-18629-d-1-c				
Hg	.1978	ppb	.0000	.1978				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 65	13:21:02 20 Dec 12	HG		
				240-18596-a-10-c				
Hg	1.634	ppb	.0000	1.634				
*** Sample ID:				Seq: 66	13:23:12 20 Dec 12	HG		
				240-18607-a-2-c				
Hg	.0097	ppb	.0000	.0097				
*** Sample ID:				Seq: 67	13:25:03 20 Dec 12	HG		
				240-18596-a-4-c				
Hg	.0273	ppb	.0000	.0273				
*** Sample ID:				Seq: 68	13:26:52 20 Dec 12	HG		
				240-18607-a-3-c				
Hg	.0085	ppb	.0000	.0085				
*** Sample ID:				Seq: 69	13:28:53 20 Dec 12	HG		
				240-18476-e-9-c				
Hg	.0172	ppb	.0000	.0172				
*** Check Standard: 6 Ck6CCV				Seq: 70	13:31:04 20 Dec 12	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		100.3	5.016	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB				Seq: 71	13:33:02 20 Dec 12	HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0134	.6000	ppb	.0000			
*** Sample ID:				Seq: 72	13:34:52 20 Dec 12	HG		
				240-18607-a-1-e				
Hg	.0117	ppb	.0000	.0117				
*** Sample ID:				Seq: 73	13:36:45 20 Dec 12	HG		
				240-18596-a-11-c				
Hg	.0066	ppb	.0000	.0066				
*** Sample ID:				Seq: 74	13:38:35 20 Dec 12	HG		
				mb 240-69341/1-a				
Hg	.0144	ppb	.0000	.0144				
*** Sample ID:				Seq: 75	13:40:41 20 Dec 12	HG		
				lcs 240-69341/2-a				
Hg	4.455	ppb	.0000	4.455				
*** Sample ID:				Seq: 76	13:42:41 20 Dec 12	HG		
				240-18927-r-39-d				
Hg	-.0067	ppb	.0000	-.0067				
*** Sample ID:				Seq: 77	13:44:32 20 Dec 12	HG		
				240-18927-r-39-e ms				
Hg	.9294	ppb	.0000	.9294				
*** Sample ID:				Seq: 78	13:46:22 20 Dec 12	HG		
				240-18927-r-39-f msd				
Hg	.9417	ppb	.0000	.9417				
*** Sample ID:				Seq: 79	13:48:42 20 Dec 12	HG		
				240-18927-d-34-b				
Hg	.0088	ppb	.0000	.0088				
*** Sample ID:				Seq: 80	13:50:31 20 Dec 12	HG		
				240-18927-d-32-b				
Hg	0162	ppb	.0000	.0162				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 81	13:52:22 20 Dec 12	HG		
				240-18927-d-47-b				
Hg	.0202	ppb	.0000	.0202				

*** Check Standard: 6 Ck6CCV				Seq: 82	13:54:27 20 Dec 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		99.46	4.973	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB				Seq: 83	13:56:21 20 Dec 12	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD	
Hg		-.0240	.6000	ppb	.0000	

*** Sample ID:				Seq: 84	13:58:21 20 Dec 12	HG
				240-18927-d-26-b		
Hg	.0542	ppb	.0000	.0542		

*** Sample ID:				Seq: 85	14:00:21 20 Dec 12	HG
				240-18927-d-59-b		
Hg	.0060	ppb	.0000	.0060		

*** Sample ID:				Seq: 86	14:02:16 20 Dec 12	HG
				240-18927-d-43-b		
Hg	.0086	ppb	.0000	.0086		

*** Sample ID:				Seq: 87	14:04:45 20 Dec 12	HG
				240-18927-d-19-b		
Hg	.0189	ppb	.0000	.0189		

*** Sample ID:				Seq: 88	14:06:52 20 Dec 12	HG
				240-18927-d-35-b		
Hg	.0103	ppb	.0000	.0103		

*** Sample ID:				Seq: 89	14:08:42 20 Dec 12	HG
				240-18927-d-49-b		
Hg	.0139	ppb	.0000	.0139		

*** Sample ID:				Seq: 90	14:10:35 20 Dec 12	HG
				240-18927-d-41-b		
Hg	.0108	ppb	.0000	.0108		

*** Sample ID:				Seq: 91	14:12:40 20 Dec 12	HG
				240-18927-d-51-b		
Hg	.0113	ppb	.0000	.0113		

*** Sample ID:				Seq: 92	14:14:32 20 Dec 12	HG
				240-18927-d-45-b		
Hg	.0070	ppb	.0000	.0070		

*** Sample ID:				Seq: 93	14:17:22 20 Dec 12	HG
				240-18927-d-24-b		
Hg	.0643	ppb	.0000	.0643		

*** Check Standard: 6 Ck6CCV				Seq: 94	14:22:05 20 Dec 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		99.92	4.996	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB				Seq: 95	14:24:47 20 Dec 12	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD	
Hg		.0023	.6000	ppb	.0000	

*** Sample ID:				Seq: 96	14:27:07 20 Dec 12	HG
				240-18927-d-37-b		
Hg	.0081	ppb	.0000	.0081		

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:					Seq: 97	14:29:09 20 Dec 12		HG
					240-18927-d-53-b			
Hg	.0076	ppb	.0000	.0076				
*** Sample ID:					Seq: 98	14:31:04 20 Dec 12		HG
					240-18927-a-21-b			
Hg	.0144	ppb	.0000	.0144				
*** Sample ID:					Seq: 99	14:33:48 20 Dec 12		HG
					240-18927-d-57-b			
Hg	.0127	ppb	.0000	.0127				
*** Sample ID:					Seq: 100	14:35:39 20 Dec 12		HG
					240-18927-d-30-b			
Hg	.0784	ppb	.0000	.0784				
*** Sample ID:					Seq: 101	14:37:29 20 Dec 12		HG
					240-18927-d-55-b			
Hg	.0091	ppb	.0000	.0091				
*** Sample ID:					Seq: 102	14:39:36 20 Dec 12		HG
					lcs 240-69453/2-a			
Hg	4.181	ppb	.0000	4.181				
*** Sample ID:					Seq: 103	14:41:28 20 Dec 12		HG
					240-18710-a-1-h			
Hg	-.0260	ppb	.0000	-.0260				
*** Sample ID:					Seq: 104	14:43:53 20 Dec 12		HG
					lb 240-69294/1-e			
Hg	.0224	ppb	.0000	.0224				
*** Sample ID:					Seq: 105	14:45:49 20 Dec 12		HG
					mb 240-69409/2-a			
Hg	.0102	ppb	.0000	.0102				

*** Check Standard: 6 Ck6CCV Seq: 106 14:48:14 20 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		100.4	5.018	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 107 14:50:03 20 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0393	.6000	ppb	.0000

*** Sample ID:					Seq: 108	14:52:14 20 Dec 12		HG
					lcs 240-69409/3-a			
Hg	5.785	ppb	.0000	5.785				
*** Sample ID:					Seq: 109	14:54:10 20 Dec 12		HG
					240-18735-c-5-g			
Hg	-.0120	ppb	.0000	-.0120				
*** Sample ID:					Seq: 110	14:56:06 20 Dec 12		HG
					240-18735-c-5-h ms			
Hg	5.257	ppb	.0000	5.257				
*** Sample ID:					Seq: 111	14:57:59 20 Dec 12		HG
					240-18735-c-5-i msd			
Hg	5.435	ppb	.0000	5.435				
*** Sample ID:					Seq: 112	15:00:00 20 Dec 12		HG
					240-18735-f-6-e			
Hg	.0041	ppb	.0000	.0041				

Low for 245.1

12/20/12 DSH

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 113 15:01:50 20 Dec 12 HG

			CRA	
Hg	.2094	ppb	.0000	.2094

*** Check Standard: 6 Ck6CCV Seq: 114 15:04:05 20 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		100.6	5.031	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 115 15:06:34 20 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0031	.6000	ppb	.0000

already Lab'd
12/20/12

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 6 Ck6CCV Seq: 116 15:34:55 20 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		96.68	4.834	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 117 15:36:46 20 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0519	.6000	ppb	.0000

*** Sample ID: Seq: 118 15:39:05 20 Dec 12 HG
lb 240-69295/1-c

Hg	-.0105	ppb	.0000	-.0105

*** Sample ID: Seq: 119 15:40:57 20 Dec 12 HG
mb 240-69418/2-a

Hg	-.0053	ppb	.0000	-.0053

*** Sample ID: Seq: 120 15:43:15 20 Dec 12 HG
lcs 240-69418/3-a

Hg	5.565	ppb	.0000	5.565

*** Sample ID: Seq: 121 15:45:04 20 Dec 12 HG
240-18895-a-2-e

Hg	-.0479	ppb	.0000	-.0479

*** Sample ID: Seq: 122 15:46:56 20 Dec 12 HG
240-18895-a-2-f ms

Hg	4.014	ppb	.0000	4.014

*** Sample ID: Seq: 123 15:49:04 20 Dec 12 HG
240-18895-a-2-g msd

Hg	4.408	ppb	.0000	4.408

*** Sample ID: Seq: 124 15:51:03 20 Dec 12 HG
240-18798-e-3-d

Hg	.0202	ppb	.0000	.0202

*** Sample ID: Seq: 125 15:52:53 20 Dec 12 HG
240-18798-c-4-d

Hg	.0009	ppb	.0000	.0009

*** Check Standard: 6 Ck6CCV Seq: 126 15:59:29 20 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		99.33	4.967	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 127 16:01:19 20 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0593	.6000	ppb	.0000

*** Sample ID: Seq: 128 16:03:07 20 Dec 12 HG
mb 240-69565/1-a

Hg	.0066	ppb	.0000	.0066

*** Sample ID: Seq: 129 16:04:56 20 Dec 12 HG
lcs 240-69565/2-a

Hg	5.420	ppb	.0000	5.420

*** Sample ID: Seq: 130 16:06:47 20 Dec 12 HG
240-18583-g-3-b

Hg	-.0396	ppb	.0000	-.0396

*** Sample ID: Seq: 131 16:09:25 20 Dec 12 HG
240-18583-g-3-c ms

Hg	1.084	ppb	.0000	1.084

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 132 16:11:18 20 Dec 12 HG
240-18583-g-3-d msd
Hg 1.107 ppb .0000 1.107

*** Sample ID: Seq: 133 16:13:10 20 Dec 12 HG
240-18933-j-10-f
Hg .0026 ppb .0000 .0026

*** Sample ID: Seq: 134 16:15:21 20 Dec 12 HG
240-18933-j-11-b
Hg .0091 ppb .0000 .0091

*** Sample ID: Seq: 135 16:17:31 20 Dec 12 HG
240-18853-k-11-b
Hg .0113 ppb .0000 .0113

*** Sample ID: Seq: 136 16:19:33 20 Dec 12 HG
240-18605-d-4-b
Hg .0080 ppb .0000 .0080

*** Sample ID: Seq: 137 16:21:24 20 Dec 12 HG
240-18605-d-3-b
Hg .0107 ppb .0000 .0107

*** Check Standard: 6 Ck6CCV Seq: 138 16:24:33 20 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		99.35	4.968	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 139 16:26:22 20 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0462	.6000	ppb	.0000

*** Sample ID: Seq: 140 16:28:51 20 Dec 12 HG
240-18605-e-4-b
Hg .0127 ppb .0000 .0127

*** Sample ID: Seq: 141 16:30:49 20 Dec 12 HG
240-18777-b-6-f
Hg .0139 ppb .0000 .0139

*** Sample ID: Seq: 142 16:32:49 20 Dec 12 HG
240-18937-j-5-b
Hg .0137 ppb .0000 .0137

*** Sample ID: Seq: 143 16:34:50 20 Dec 12 HG
240-18853-k-13-b
Hg .0132 ppb .0000 .0132

*** Sample ID: Seq: 144 16:36:38 20 Dec 12 HG
240-18933-j-16-b
Hg .0164 ppb .0000 .0164

*** Sample ID: Seq: 145 16:38:29 20 Dec 12 HG
240-18933-j-15-b
Hg .0142 ppb .0000 .0142

*** Sample ID: Seq: 146 16:40:28 20 Dec 12 HG
240-18937-j-4-b
Hg .0097 ppb .0000 .0097

*** Sample ID: Seq: 147 16:42:17 20 Dec 12 HG
240-18937-j-2-b
Hg .0041 ppb .0000 .0041

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 148	16:44:29 20 Dec 12	HG		
				240-18933-j-13-b				
Hg	.0095	ppb	.0000	.0095				
*** Sample ID:				Seq: 149	16:46:19 20 Dec 12	HG		
				240-18978-a-1-a				
Hg	.0174	ppb	.0000	.0174				
*** Check Standard: 6 Ck6CCV				Seq: 150	16:48:19 20 Dec 12	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		100.9	5.045	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB				Seq: 151	16:50:10 20 Dec 12	HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0354	.6000	ppb	.0000			
*** Sample ID:				Seq: 152	16:51:58 20 Dec 12	HG		
				240-18937-j-1-b				
Hg	-.0006	ppb	.0000	-.0006				
*** Sample ID:				Seq: 153	16:54:08 20 Dec 12	HG		
				240-18933-j-12-b				
Hg	.0177	ppb	.0000	.0177				
*** Sample ID:				Seq: 154	16:55:57 20 Dec 12	HG		
				240-18605-e-3-b				
Hg	.0051	ppb	.0000	.0051				
*** Sample ID:				Seq: 155	16:57:49 20 Dec 12	HG		
				240-18605-e-5-b				
Hg	.0510	ppb	.0000	.0510				
*** Sample ID:				Seq: 156	16:59:49 20 Dec 12	HG		
				lb 240-69293/1-d				
Hg	.0039	ppb	.0000	.0039				
*** Sample ID:				Seq: 157	17:01:37 20 Dec 12	HG		
				mb 240-69414/2-a				
Hg	.0103	ppb	.0000	.0103				
*** Sample ID:				Seq: 158	17:04:00 20 Dec 12	HG		
				lcs 240-69414/3-a				
Hg	5.862	ppb	.0000	5.862				
*** Sample ID:				Seq: 159	17:06:34 20 Dec 12	HG		
				240-18902-a-4-f				
Hg	.0103	ppb	.0000	.0103				
*** Sample ID:				Seq: 160	17:08:25 20 Dec 12	HG		
				240-18902-a-4-g ms				
Hg	2.828	ppb	.0000	2.828				
*** Sample ID:				Seq: 161	17:10:37 20 Dec 12	HG		
				240-18902-a-7-d				
Hg	-.0125	ppb	.0000	-.0125				
*** Check Standard: 6 Ck6CCV				Seq: 162	17:12:38 20 Dec 12	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		101.1	5.054	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB				Seq: 163	17:15:19 20 Dec 12	HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.0016	.6000	ppb	.0000			

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 164	17:17:48 20 Dec 12	HG		
				240-18902-a-4-h msd				
Hg	2.967	ppb	.0000	2.967				
*** Sample ID:				Seq: 165	17:19:41 20 Dec 12	HG		
				240-18902-a-3-d				
Hg	-.0958	ppb	.0000	-.0958				
*** Sample ID:				Seq: 166	17:21:53 20 Dec 12	HG		
				240-18902-a-6-d				
Hg	.2050	ppb	.0000	.2050				
*** Sample ID:				Seq: 167	17:24:15 20 Dec 12	HG		
				240-18905-a-1-c				
Hg	.0056	ppb	.0000	.0056				
*** Sample ID:				Seq: 168	17:26:05 20 Dec 12	HG		
				240-18905-a-2-c				
Hg	.0080	ppb	.0000	.0080				
*** Sample ID:				Seq: 169	17:28:14 20 Dec 12	HG		
				240-18905-a-3-c				
Hg	.0524	ppb	.0000	.0524				
*** Sample ID:				Seq: 170	17:30:36 20 Dec 12	HG		
				240-18905-a-4-c				
Hg	.0147	ppb	.0000	.0147				
*** Sample ID:				Seq: 171	17:32:58 20 Dec 12	HG		
				240-18905-a-5-d				
Hg	.0128	ppb	.0000	.0128				
*** Sample ID:				Seq: 172	17:35:19 20 Dec 12	HG		
				240-18905-a-6-c				
Hg	.0086	ppb	.0000	.0086				
*** Sample ID:				Seq: 173	17:37:19 20 Dec 12	HG		
				240-18905-a-7-c				
Hg	160.6 H	ppb	.0000	160.6				

*** Check Standard: 6 Ck6CCV Seq: 174 17:39:23 20 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg	L	79.68	3.984	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 175 17:41:42 20 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0803	.6000	ppb	.0000

*** Sample ID:				Seq: 176	17:43:51 20 Dec 12	HG		
				240-18707-a-2-f				
Hg	.1042	ppb	.0000	.1042				
*** Sample ID:				Seq: 177	17:46:01 20 Dec 12	HG		
				mb 240-69344/1-a				
Hg	-.0331	ppb	.0000	-.0331				
*** Sample ID:				Seq: 178	17:48:12 20 Dec 12	HG		
				lcs 240-69344/2-a				
Hg	4.275	ppb	.0000	4.275				
*** Sample ID:				Seq: 179	17:50:03 20 Dec 12	HG		
				240-18777-b-7-b				
Hg	.0357	ppb	.0000	.0357				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 180	17:52:15 20 Dec 12	HG		
				240-18777-b-7-c ms				
Hg	.9158	ppb	.0000	.9158				
*** Sample ID:				Seq: 181	17:54:14 20 Dec 12	HG		
				240-18777-b-7-d msd				
Hg	.9062	ppb	.0000	.9062				
*** Sample ID:				Seq: 182	17:56:08 20 Dec 12	HG		
				240-18933-j-1-b				
Hg	.0083	ppb	.0000	.0083				
*** Sample ID:				Seq: 183	17:57:57 20 Dec 12	HG		
				240-18933-j-3-b				
Hg	.0044	ppb	.0000	.0044				
*** Sample ID:				Seq: 184	18:00:06 20 Dec 12	HG		
				240-18929-n-5-b				
Hg	.1215	ppb	.0000	.1215				
*** Sample ID:				Seq: 185	18:02:38 20 Dec 12	HG		
				240-18777-b-9-b				
Hg	.0283	ppb	.0000	.0283				
*** Check Standard: 6 Ck6CCV				Seq: 186	18:04:27 20 Dec 12	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		100.2	5.009	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB				Seq: 187	18:06:21 20 Dec 12	HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0199	.6000	ppb	.0000			
*** Sample ID:				Seq: 188	18:08:43 20 Dec 12	HG		
				240-18929-l-8-b				
Hg	.0100	ppb	.0000	.0100				
*** Sample ID:				Seq: 189	18:10:44 20 Dec 12	HG		
				240-18777-b-8-b				
Hg	.0350	ppb	.0000	.0350				
*** Sample ID:				Seq: 190	18:12:35 20 Dec 12	HG		
				240-18933-j-8-b				
Hg	.0218	ppb	.0000	.0218				
*** Sample ID:				Seq: 191	18:14:45 20 Dec 12	HG		
				240-18933-j-2-b				
Hg	.0197	ppb	.0000	.0197				
*** Sample ID:				Seq: 192	18:16:46 20 Dec 12	HG		
				240-18777-b-10-b				
Hg	.0118	ppb	.0000	.0118				
*** Sample ID:				Seq: 193	18:18:59 20 Dec 12	HG		
				240-18929-o-1-b				
Hg	.0112	ppb	.0000	.0112				
*** Sample ID:				Seq: 194	18:20:48 20 Dec 12	HG		
				240-18933-j-5-b				
Hg	.0125	ppb	.0000	.0125				
*** Sample ID:				Seq: 195	18:22:58 20 Dec 12	HG		
				240-18933-j-7-b				
Hg	.0322	ppb	.0000	.0322				

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 196 18:25:31 20 Dec 12 HG
240-18929-l-7-b
Hg .0130 ppb .0000 .0130

*** Sample ID: Seq: 197 18:27:50 20 Dec 12 HG
240-18929-o-4-b
Hg .0063 ppb .0000 .0063

*** Check Standard: 6 Ck6CCV Seq: 198 18:29:51 20 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		101.0	5.051	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 199 18:31:41 20 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0327	.6000	ppb	.0000

*** Sample ID: Seq: 200 18:33:31 20 Dec 12 HG
240-18929-o-3-b
Hg .0100 ppb .0000 .0100

*** Sample ID: Seq: 201 18:35:21 20 Dec 12 HG
240-18929-o-2-b
Hg .0073 ppb .0000 .0073

*** Sample ID: Seq: 202 18:38:04 20 Dec 12 HG
240-18929-o-6-b
Hg .0128 ppb .0000 .0128

*** Sample ID: Seq: 203 18:39:55 20 Dec 12 HG
240-18933-j-9-b
Hg .0512 ppb .0000 .0512

*** Sample ID: Seq: 204 18:41:50 20 Dec 12 HG
mb 240-69337/1-a
Hg .0098 ppb .0000 .0098

*** Sample ID: Seq: 205 18:45:35 20 Dec 12 HG
lcs 240-69337/2-a
Hg 4.521 ppb .0000 4.521

*** Sample ID: Seq: 206 18:47:48 20 Dec 12 HG
240-18927-j-3-d
Hg -.0006 ppb .0000 -.0006

*** Sample ID: Seq: 207 18:49:47 20 Dec 12 HG
240-18927-j-3-e ms
Hg .9394 ppb .0000 .9394

*** Sample ID: Seq: 208 18:51:47 20 Dec 12 HG
240-18927-j-3-f msd
Hg .9505 ppb .0000 .9505

*** Sample ID: Seq: 209 18:53:49 20 Dec 12 HG
240-18926-e-10-b
Hg .0023 ppb .0000 .0023

*** Check Standard: 6 Ck6CCV Seq: 210 18:55:41 20 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		101.0	5.048	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 211 18:57:34 20 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0188	.6000	ppb	.0000

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 212 18:59:24 20 Dec 12 HG
240-18927-d-7-b
Hg .0251 ppb .0000 .0251

*** Sample ID: Seq: 213 19:01:48 20 Dec 12 HG
240-18926-e-24-b
Hg .0110 ppb .0000 .0110

*** Sample ID: Seq: 214 19:03:39 20 Dec 12 HG
240-18927-a-5-b
Hg .0128 ppb .0000 .0128

*** Sample ID: Seq: 215 19:05:49 20 Dec 12 HG
240-18926-e-22-b
Hg .0213 ppb .0000 .0213

*** Sample ID: Seq: 216 19:07:39 20 Dec 12 HG
240-18927-d-1-b
Hg .0255 ppb .0000 .0255

*** Sample ID: Seq: 217 19:09:41 20 Dec 12 HG
240-18927-a-11-b
Hg .0123 ppb .0000 .0123

*** Sample ID: Seq: 218 19:11:34 20 Dec 12 HG
240-18926-e-30-b
Hg .0154 ppb .0000 .0154

*** Sample ID: Seq: 219 19:13:37 20 Dec 12 HG
240-18926-e-20-b
Hg .0192 ppb .0000 .0192

*** Sample ID: Seq: 220 19:15:29 20 Dec 12 HG
240-18926-e-18-b
Hg .0118 ppb .0000 .0118

*** Sample ID: Seq: 221 19:17:40 20 Dec 12 HG
240-18927-a-9-b
Hg .0095 ppb .0000 .0095

*** Check Standard: 6 Ck6CCV Seq: 222 19:19:39 20 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		100.5	5.024	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 223 19:21:27 20 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0403	.6000	ppb	.0000

*** Sample ID: Seq: 224 19:24:21 20 Dec 12 HG
240-18926-e-26-b
Hg .0147 ppb .0000 .0147

*** Sample ID: Seq: 225 19:26:14 20 Dec 12 HG
240-18926-e-16-b
Hg .0221 ppb .0000 .0221

*** Sample ID: Seq: 226 19:28:15 20 Dec 12 HG
240-18927-a-13-b
Hg .0012 ppb .0000 .0012

*** Sample ID: Seq: 227 19:31:37 20 Dec 12 HG
240-18926-e-33-b
Hg .0140 ppb .0000 .0140

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 228 19:33:31 20 Dec 12 HG
240-18926-e-32-b

Hg	.1640	ppb	.0000	.1640	

*** Sample ID: Seq: 229 19:36:22 20 Dec 12 HG
240-18927-a-15-b

Hg	.0231	ppb	.0000	.0231	

*** Sample ID: Seq: 230 19:38:16 20 Dec 12 HG
240-18926-e-14-b

Hg	.7162	ppb	.0000	.7162	

*** Sample ID: Seq: 231 19:41:39 20 Dec 12 HG
240-18926-e-12-b

Hg	.0006	ppb	.0000	.0006	

*** Check Standard: 6 Ck6CCV Seq: 232 19:43:34 20 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		100.3	5.016	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 233 19:45:23 20 Dec 12 HG

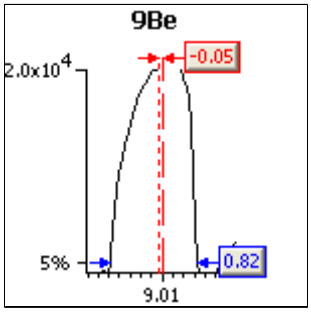
Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0334	.6000	ppb	.0000

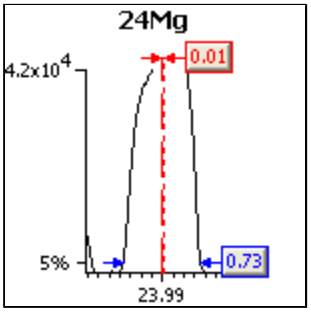
Performance Report

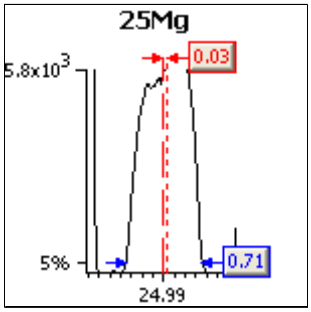
Sample details
Sample name : ITUNE
Acquired at : 12/29/2012 3:23:35 PM
Report name : EPA ILMO5.2/6020A 2.1 [8/5/2011 12:59:56 PM]

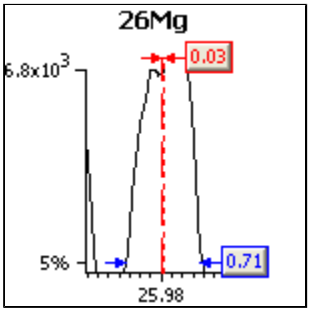
Mass Calibration verification

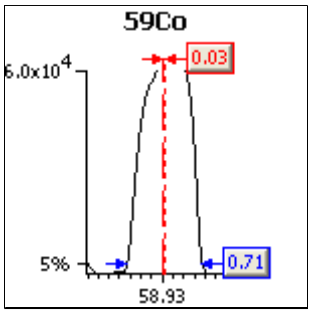
Acquisition parameters
Sweeps : 25
Dwell : 2.0 mSecs
Point spacing : 0.02 amu
Peak width measured at 5% of the peak maximum

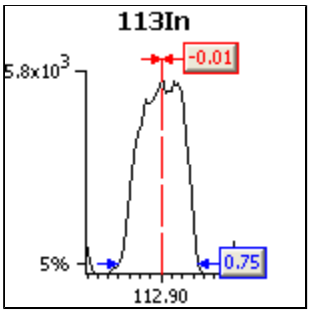


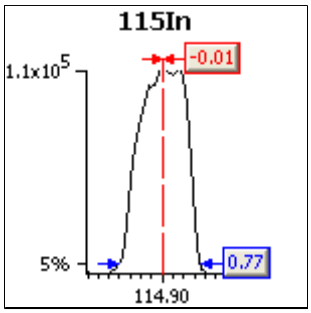


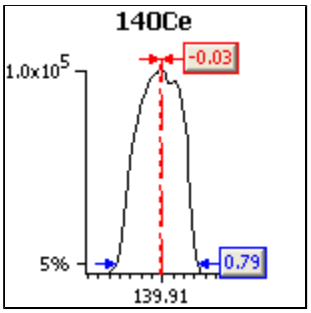


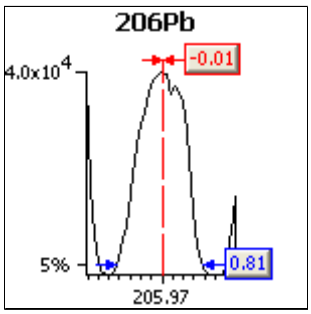


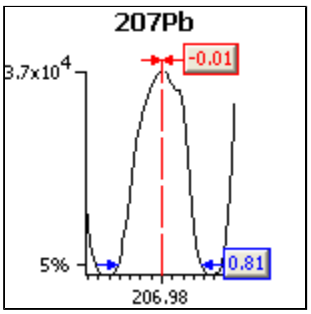


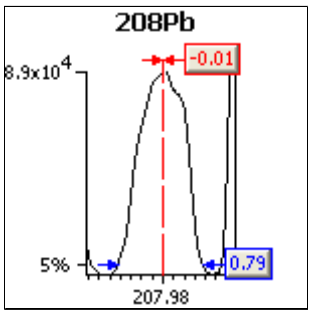












Analyte	Limits			Results	
	Max. width	Min. width	Max. error	Peak width	Peak error
9Be	0.90	0.45	0.10	0.82	-0.05
24Mg	0.90	0.45	0.10	0.73	0.01
25Mg	0.90	0.45	0.10	0.71	0.03
26Mg	0.90	0.45	0.10	0.71	0.03
59Co	0.90	0.45	0.10	0.71	0.03
113In	0.90	0.45	0.10	0.75	-0.01
115In	0.90	0.45	0.10	0.77	-0.01
140Ce	0.90	0.45	0.10	0.79	-0.03
206Pb	0.90	0.45	0.10	0.81	-0.01
207Pb	0.90	0.45	0.10	0.81	-0.01
208Pb	0.90	0.45	0.10	0.79	-0.01

Sample details
Sample name : ITUNE
Acquired at : 12/29/2012 3:23:35 PM
Report name : EPA ILMO5.2/6020A 2.1 [8/5/2011 12:59:56 PM]

Tune conditions

Major	
Extraction	-114
Lens 1	2.0
Focus	26.7
D1	-37.6
Pole Bias	3.0
Hexapole Bias	-3.0
Nebuliser	0.80
Sampling Depth	150

Minor	
Lens 2	-36.1
Lens 3	-176.5
Forward power	1349
Horizontal	72
Vertical	408
D2	-160
DA	-80.0
Cool	13.0
Auxiliary	0.90

Global	
Standard resolution	n/a
High resolution	n/a
Analogue Detector	n/a
PC Detector	n/a

Add. Gases	
He/H2	0.00
He/NH3	0.00

Sensitivity and stability results

Acquisition parameters
Sweeps : 150

Run	Time	5Bkg	9Be	24Mg	25Mg	26Mg	56Ar O	59Co	137Ba++
Dwell (mSecs)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Limits	%RSD	-	5.0%	5.0%	5.0%	5.0%	-	5.0%	-
	Countrate	-	>500	>500	>500	>500	-	>10000	-
1	3:24:22 PM	0	15477	38422	4689	5723	204931	62050	17
2	3:25:47 PM	0	15828	39862	5177	6000	202466	64487	13
3	3:27:12 PM	0	15213	38440	5049	5760	204484	62097	13
4	3:28:38 PM	0	15635	39285	5027	5877	202840	63867	13
5	3:30:03 PM	0	15499	39631	5019	5966	200112	63991	10
x		0	15530	39128	4992	5865	202967	63299	13
σ		0.00	225.97	668.55	180.99	122.22	1908.87	1142.06	2.60
%RSD		0.000	1.455	1.709	3.625	2.084	0.940	1.804	19.301

Run	Time	138Ba++	101Bkg	113In	115In	138Ba	140Ce	156Ce O	206Pb
Dwell (mSecs)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Limits	%RSD	-	-	5.0%	5.0%	-	5.0%	-	5.0%
	Countrate	-	-	>200	>5000	-	>10000	-	>500
1	3:24:22 PM	70	0	4770	105829	2620	109910	1933	42887
2	3:25:47 PM	70	0	4971	108360	2619	111665	2021	43618
3	3:27:12 PM	77	0	4836	107282	2648	111105	2000	43548
4	3:28:38 PM	80	0	4947	108505	2534	111459	1952	43264
5	3:30:03 PM	69	0	4977	108950	2596	112289	2061	43566
x		73	0	4900	107785	2603	111286	1993	43377
σ		5.03	0.03	92.28	1253.61	42.69	881.19	52.17	306.63
%RSD		6.883	223.607	1.883	1.163	1.640	0.792	2.617	0.707

Run	Time	207Pb	208Pb	220Bkg
Dwell (mSecs)		0.0	0.0	0.0
Limits	%RSD	5.0%	5.0%	-
	Countrate	>500	>500	<2500
1	3:24:22 PM	38927	93034	0
2	3:25:47 PM	39480	94529	0
3	3:27:12 PM	39094	93966	0
4	3:28:38 PM	39465	94809	0
5	3:30:03 PM	39552	94395	0
x		39304	94146	0
σ		275.74	692.35	0.04
%RSD		0.702	0.735	136.931

Ratio results

Run	Time	156Ce O/140Ce
Ratio limits		<0.0500
1	3:24:22 PM	0
2	3:25:47 PM	0

3	3:27:12 PM	0
4	3:28:38 PM	0
5	3:30:03 PM	0
x		0.0179
σ		0.00
%RSD		1.9984

Result : The performance report passed.

Dilution Corrected Concentrations

STD1 686021 12/29/2012 3:40:07 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:40:49	98.381%	0.000	-0.020	-0.109	0.000	-1.190	0.200	-0.219
2	15:41:31	99.540%	0.030	-0.032	0.119	0.000	0.816	-0.172	-0.033
3	15:42:13	102.079%	-0.031	0.052	-0.010	0.000	0.374	-0.028	0.252
x		100.000%	0.000	0.000	0.000	0.000	0.000	0.000	-0.000
σ		1.892%	0.031	0.046	0.114	0.000	1.054	0.187	0.237
%RSD		1.892	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:40:49	0.450	-0.337	0.000	0.070	-2.960	1.178	98.344%	0.071
2	15:41:31	-0.062	0.276	0.000	-0.563	-2.960	1.206	100.366%	0.016
3	15:42:13	-0.389	0.061	0.000	0.493	5.920	-2.384	101.289%	-0.087
x		-0.000	-0.000	0.000	0.000	0.000	0.000	100.000%	0.000
σ		0.423	0.311	0.000	0.531	5.127	2.065	1.506%	0.080
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	1.506	0.000

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:40:49	0.014	0.006	0.020	0.522	-0.138	0.001	-0.034	-0.017
2	15:41:31	-0.025	-0.013	0.000	-0.434	-0.075	-0.003	-0.034	0.014
3	15:42:13	0.011	0.007	-0.020	-0.088	0.213	0.003	0.068	0.004
x		-0.000	0.000	0.000	0.000	0.000	-0.000	-0.000	0.000
σ		0.022	0.011	0.020	0.484	0.187	0.003	0.059	0.016
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:40:49	-0.006	-0.151	0.047	-0.033	0.297	-0.113	0.000	0.010
2	15:41:31	0.038	0.105	0.059	0.048	-0.145	0.131	0.000	-0.002
3	15:42:13	-0.032	0.046	-0.106	-0.016	-0.152	-0.019	0.000	-0.008
x		-0.000	0.000	0.000	-0.000	0.000	-0.000	0.000	0.000
σ		0.035	0.135	0.092	0.043	0.257	0.123	0.000	0.009
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:40:49	97.392%	-0.053	0.044	97.059%	0.005	0.002	0.041	0.046
2	15:41:31	101.347%	0.044	-0.040	100.570%	-0.006	0.001	-0.056	-0.061
3	15:42:13	101.260%	0.009	-0.004	102.371%	0.001	-0.003	0.015	0.015
x		100.000%	-0.000	0.000	100.000%	-0.000	0.000	0.000	0.000
σ		2.259%	0.049	0.042	2.702%	0.006	0.003	0.050	0.055
%RSD		2.259	0.000	0.000	2.702	0.000	0.000	0.000	0.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:40:49	96.629%	0.020	-0.005	0.001	-0.026	0.015	97.186%	96.334%
2	15:41:31	100.750%	-0.109	0.007	-0.016	-0.007	-0.013	100.089%	100.975%
3	15:42:13	102.621%	0.088	-0.002	0.015	0.033	-0.002	102.725%	102.691%
x		100.000%	0.000	-0.000	0.000	-0.000	0.000	100.000%	100.000%
σ		3.066%	0.100	0.006	0.016	0.030	0.014	2.770%	3.288%
%RSD		3.066	0.000	0.000	0.000	0.000	0.000	2.770	3.288

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	15:40:49	0.007	-0.001	-0.004	-0.011	-0.003	96.019%
2	15:41:31	-0.002	0.004	0.007	0.009	0.000	100.978%
3	15:42:13	-0.005	-0.003	-0.003	0.002	0.003	103.003%
x		0.000	0.000	-0.000	0.000	0.000	100.000%
σ		0.006	0.004	0.006	0.010	0.003	3.593%
%RSD		0.000	0.000	0.000	0.000	0.000	3.593

STD2 646077 12/29/2012 3:44:21 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:45:02	86.913%	202.700	0.491	0.122	0.000	101600.000	101600.000	101600.000
2	15:45:44	90.430%	196.900	0.431	0.128	0.000	99000.000	98990.000	98950.000
3	15:46:26	91.091%	200.400	-0.665	0.284	0.000	99350.000	99460.000	99490.000
x		89.478%	200.000	0.086	0.178	0.000	100000.000	100000.000	100000.000
σ		2.246%	2.900	0.651	0.092	0.000	1432.000	1366.000	1381.000
%RSD		2.510	1.450	756.200	51.860	0.000	1.432	1.366	1.381

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:45:02	1022.000	-0.791	0.000	101500.000	100200.000	99590.000	87.541%	2.878
2	15:45:44	989.400	13.680	0.000	99100.000	99410.000	99390.000	91.671%	2.235
3	15:46:26	988.200	14.850	0.000	99360.000	100400.000	101000.000	93.183%	1.639
x		1000.000	9.247	0.000	100000.000	100000.000	100000.000	90.798%	2.251
σ		19.420	8.713	0.000	1336.000	512.700	882.900	2.921%	0.620
%RSD		1.942	94.220	0.000	1.336	0.513	0.883	3.217	27.530

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:45:02	199.600	200.100	998.000	50990.000	49600.000	199.500	199.100	197.700
2	15:45:44	198.400	197.200	994.700	49550.000	50040.000	198.800	199.600	199.600
3	15:46:26	202.000	202.800	1007.000	49460.000	50360.000	201.700	201.300	202.600
x		200.000	200.000	1000.000	50000.000	50000.000	200.000	200.000	200.000
σ		1.831	2.809	6.517	859.100	379.200	1.504	1.134	2.468
%RSD		0.916	1.405	0.652	1.718	0.758	0.752	0.567	1.234

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:45:02	199.900	198.100	200.200	195.000	198.400	195.000	0.000	199.100
2	15:45:44	198.900	198.500	197.800	202.800	201.200	200.700	0.000	201.400
3	15:46:26	201.200	203.500	202.000	202.200	200.400	204.300	0.000	199.500
x		200.000	200.000	200.000	200.000	200.000	200.000	0.000	200.000
σ		1.163	2.997	2.085	4.316	1.441	4.721	0.000	1.218
%RSD		0.582	1.499	1.043	2.158	0.721	2.361	0.000	0.609

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:45:02	88.014%	1.250	1.637	84.062%	199.600	199.300	201.100	198.200
2	15:45:44	91.792%	1.335	1.211	88.304%	200.800	199.700	199.200	200.200
3	15:46:26	94.567%	1.000	1.449	90.657%	199.600	200.900	199.600	201.600
x		91.458%	1.195	1.432	87.674%	200.000	200.000	200.000	200.000
σ		3.290%	0.174	0.214	3.343%	0.736	0.844	0.982	1.697
%RSD		3.597	14.570	14.910	3.812	0.368	0.422	0.491	0.848

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:45:02	88.249%	1.277	0.078	0.108	197.800	199.900	93.198%	94.353%
2	15:45:44	93.517%	1.353	0.113	0.077	200.500	200.900	97.812%	99.261%
3	15:46:26	95.667%	2.092	0.140	0.148	201.800	199.200	101.975%	102.557%
x		92.478%	1.574	0.110	0.111	200.000	200.000	97.662%	98.724%
σ		3.816%	0.450	0.031	0.035	2.034	0.819	4.390%	4.128%
%RSD		4.127	28.600	28.430	31.800	1.017	0.410	4.495	4.182

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	15:45:02	196.900	196.600	196.100	197.000	196.900	92.703%
2	15:45:44	201.000	200.300	201.600	199.400	200.400	96.873%
3	15:46:26	202.100	203.100	202.400	203.600	202.800	98.609%
x		200.000	200.000	200.000	200.000	200.000	96.062%
σ		2.718	3.294	3.416	3.377	2.973	3.035%
%RSD		1.359	1.647	1.708	1.689	1.487	3.160

STD3 646078 12/29/2012 3:48:35 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:49:16	87.748%	0.073	196.800	200.300	0.000	74.690	74.370	72.960
2	15:49:58	89.445%	0.240	196.200	201.600	0.000	74.630	77.680	76.040
3	15:50:40	89.557%	0.071	207.000	198.100	0.000	82.030	83.460	76.830
x		88.917%	0.128	200.000	200.000	0.000	77.120	78.500	75.280
σ		1.014%	0.097	6.075	1.762	0.000	4.257	4.597	2.044
%RSD		1.140	76.000	3.038	0.881	0.000	5.520	5.856	2.715

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:49:16	20.020	10030.000	0.000	88.070	138.000	169.300	92.821%	202.600
2	15:49:58	12.640	10050.000	0.000	95.670	94.090	187.200	92.905%	197.800
3	15:50:40	9.491	9925.000	0.000	100.900	137.800	191.400	92.856%	199.700
x		14.050	10000.000	0.000	94.890	123.300	182.600	92.861%	200.000
σ		5.405	65.410	0.000	6.471	25.310	11.700	0.042%	2.420
%RSD		38.460	0.654	0.000	6.819	20.520	6.405	0.045	1.210

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:49:16	0.195	0.123	1.062	134.600	164.500	0.143	0.335	0.484
2	15:49:58	0.217	0.100	1.050	82.130	106.200	0.145	0.480	0.488
3	15:50:40	0.165	0.128	1.063	67.740	85.140	0.215	0.278	0.328
x		0.192	0.117	1.058	94.810	118.600	0.168	0.364	0.433
σ		0.026	0.015	0.007	35.170	41.110	0.041	0.104	0.091
%RSD		13.340	12.570	0.683	37.100	34.650	24.520	28.640	21.090

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:49:16	0.784	2.205	2.423	0.289	1.830	0.264	0.000	0.605
2	15:49:58	0.576	2.209	2.385	0.459	0.121	1.028	0.000	0.575
3	15:50:40	0.557	2.576	2.121	0.399	0.014	0.568	0.000	0.588
x		0.639	2.330	2.310	0.382	0.655	0.620	0.000	0.589
σ		0.126	0.213	0.165	0.086	1.019	0.385	0.000	0.015
%RSD		19.730	9.133	7.128	22.570	155.600	62.030	0.000	2.614

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:49:16	94.248%	199.200	198.900	95.554%	0.290	0.307	0.126	-0.748
2	15:49:58	95.395%	198.200	202.000	96.478%	0.294	0.235	0.283	-0.411
3	15:50:40	95.496%	202.600	199.100	96.684%	0.294	0.214	0.001	-0.779
x		95.046%	200.000	200.000	96.239%	0.292	0.252	0.137	-0.646
σ		0.694%	2.339	1.714	0.602%	0.002	0.049	0.141	0.204
%RSD		0.730	1.170	0.857	0.625	0.819	19.430	103.400	31.630

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:49:16	97.476%	199.500	197.600	198.800	0.241	0.595	99.883%	100.525%
2	15:49:58	99.385%	200.400	200.000	199.800	0.326	0.535	100.210%	102.201%
3	15:50:40	98.910%	200.000	202.400	201.500	0.302	0.416	101.423%	101.898%
x		98.590%	200.000	200.000	200.000	0.290	0.515	100.506%	101.541%
σ		0.994%	0.463	2.373	1.374	0.044	0.091	0.811%	0.893%
%RSD		1.008	0.232	1.187	0.687	15.010	17.670	0.807	0.879

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	15:49:16	0.267	0.283	0.319	0.316	0.294	102.441%
2	15:49:58	0.258	0.228	0.261	0.248	0.254	103.971%
3	15:50:40	0.240	0.270	0.249	0.180	0.215	104.500%
x		0.255	0.260	0.276	0.248	0.254	103.637%
σ		0.014	0.029	0.038	0.068	0.039	1.069%
%RSD		5.399	11.150	13.670	27.380	15.440	1.032

ICV 660333 12/29/2012 3:52:50 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:53:32	89.973%	82.530	90.530	86.040	0.000	40900.000	35850.000	36080.000
2	15:54:13	90.892%	86.170	86.960	87.900	0.000	40640.000	35960.000	36280.000
3	15:54:55	89.500%	82.190	93.450	88.280	0.000	41330.000	36760.000	36860.000
x		90.122%	104.538%	112.892%	109.256%	0.000	102.396%	90.476%	91.020%
σ		0.708%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.785	2.641	3.596	1.368	0.000	0.859	1.381	1.107

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:53:32	408.100	4452.000	0.000	41890.000	41300.000	40770.000	92.340%	87.300
2	15:54:13	408.200	4474.000	0.000	41690.000	41530.000	41060.000	93.200%	88.980
3	15:54:55	412.200	4567.000	0.000	41900.000	41850.000	41570.000	93.296%	87.430
x		102.378%	112.439%	0.000	104.562%	103.905%	102.834%	92.945%	109.879%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.526%	n/a
%RSD		0.569	1.360	0.000	0.289	0.667	0.984	0.566	1.062

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:53:32	80.910	82.610	406.900	20230.000	20140.000	82.220	82.470	83.240
2	15:54:13	82.290	83.250	414.500	20000.000	20270.000	82.340	83.840	82.330
3	15:54:55	81.710	83.830	413.500	20020.000	20460.000	83.620	85.770	85.020
x		102.045%	104.035%	102.906%	100.417%	101.428%	103.408%	105.032%	104.410%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.849	0.729	0.997	0.632	0.793	0.939	1.973	1.636

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:53:32	82.360	84.220	84.850	80.680	81.360	83.740	0.000	74.600
2	15:54:13	83.530	82.880	86.570	81.620	81.180	83.260	0.000	74.570
3	15:54:55	84.440	85.320	86.000	80.560	75.930	82.210	0.000	75.180
x		104.304%	105.176%	107.261%	101.192%	99.364%	103.836%	0.000	93.482%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.251	1.453	1.021	0.718	3.878	0.944	0.000	0.456

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:53:32	103.307%	78.680	79.380	97.108%	78.250	79.800	81.940	80.130
2	15:54:13	106.171%	79.180	80.020	100.045%	78.500	79.450	80.780	79.020
3	15:54:55	106.646%	81.510	81.420	100.385%	78.490	78.960	78.520	78.620
x		105.375%	99.738%	100.341%	99.179%	98.019%	99.253%	100.519%	99.069%
σ		1.807%	n/a	n/a	1.802%	n/a	n/a	n/a	n/a
%RSD		1.714	1.887	1.305	1.817	0.184	0.529	2.166	0.983

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:53:32	99.936%	83.070	80.870	81.980	77.740	78.920	104.529%	105.051%
2	15:54:13	103.375%	81.820	80.440	80.140	78.480	80.860	106.702%	109.095%
3	15:54:55	104.879%	80.780	82.130	80.530	79.790	80.690	108.436%	109.717%
x		102.730%	102.360%	101.435%	101.105%	98.337%	100.198%	106.556%	107.955%
σ		2.534%	n/a	n/a	n/a	n/a	n/a	1.958%	2.534%
%RSD		2.466	1.403	1.085	1.202	1.319	1.337	1.837	2.347

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	15:53:32	81.700	81.190	79.150	78.310	78.840	104.085%
2	15:54:13	81.510	82.680	79.290	79.650	79.610	107.037%
3	15:54:55	82.310	82.600	80.590	79.420	79.900	107.933%
x		102.300%	102.696%	99.598%	98.907%	99.318%	106.351%
σ		n/a	n/a	n/a	n/a	n/a	2.013%
%RSD		0.512	1.020	0.999	0.906	0.689	1.893

ICB 12/29/2012 4:00:40 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:01:22	99.768%	-0.031	0.184	0.632	0.000	-41.750	2.805	4.272
2	16:02:04	99.139%	-0.031	0.742	0.617	0.000	-37.700	3.497	4.476
3	16:02:45	99.759%	-0.031	0.623	0.394	0.000	-30.150	9.995	9.364
x		99.555%	-0.031	0.516	0.548	0.000	-36.530	5.432	6.037
σ		0.361%	0.000	0.294	0.133	0.000	5.888	3.966	2.883
%RSD		0.362	0.000	56.960	24.330	0.000	16.120	73.010	47.750

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:01:22	-4.083	6.606	0.000	12.990	5.853	6.025	102.234%	0.065
2	16:02:04	-4.052	6.346	0.000	16.550	5.768	7.953	103.322%	0.214
3	16:02:45	-3.403	6.926	0.000	20.940	49.640	15.690	102.812%	0.014
x		-3.846	6.626	0.000	16.820	20.420	9.888	102.789%	0.098
σ		0.384	0.291	0.000	3.985	25.300	5.112	0.544%	0.104
%RSD		9.980	4.388	0.000	23.680	123.900	51.700	0.530	106.700

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:01:22	-0.018	0.067	0.008	13.470	15.370	0.015	0.049	0.063
2	16:02:04	0.012	0.012	0.009	10.030	11.060	-0.008	-0.035	0.009
3	16:02:45	0.011	0.050	0.129	10.830	13.440	0.002	0.015	0.001
x		0.002	0.043	0.049	11.440	13.290	0.003	0.010	0.025
σ		0.017	0.028	0.070	1.802	2.161	0.011	0.042	0.034
%RSD		981.200	64.950	143.200	15.750	16.260	357.000	432.500	136.700

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:01:22	-0.019	0.281	0.611	-0.069	-1.270	-0.179	0.000	0.016
2	16:02:04	0.027	0.253	0.254	-0.333	-0.092	-0.994	0.000	0.011
3	16:02:45	0.259	0.639	0.657	-0.079	-1.042	-0.473	0.000	0.127
x		0.089	0.391	0.507	-0.161	-0.802	-0.549	0.000	0.051
σ		0.149	0.215	0.221	0.149	0.625	0.413	0.000	0.066
%RSD		167.200	55.110	43.530	92.990	77.930	75.180	0.000	128.400

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:01:22	103.501%	0.313	0.344	104.144%	0.019	0.025	0.085	0.023
2	16:02:04	105.086%	0.060	0.174	105.300%	0.023	0.013	-0.029	-0.122
3	16:02:45	105.867%	0.290	0.289	105.986%	0.001	0.012	0.099	-0.023
x		104.818%	0.221	0.269	105.143%	0.014	0.017	0.052	-0.041
σ		1.205%	0.140	0.087	0.931%	0.012	0.007	0.070	0.074
%RSD		1.150	63.370	32.300	0.885	82.890	43.160	135.000	181.300

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:01:22	103.754%	0.397	0.043	0.030	-0.032	-0.040	104.469%	104.825%
2	16:02:04	106.739%	0.075	0.041	0.018	-0.055	-0.029	107.029%	108.061%
3	16:02:45	108.219%	-0.354	0.060	0.053	0.026	-0.017	108.137%	108.887%
x		106.238%	0.040	0.048	0.034	-0.021	-0.029	106.545%	107.258%
σ		2.274%	0.377	0.010	0.018	0.042	0.012	1.881%	2.147%
%RSD		2.141	948.000	21.640	51.800	202.100	40.260	1.766	2.001

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:01:22	0.025	0.045	0.019	0.026	0.022	107.395%
2	16:02:04	0.024	0.020	0.013	0.010	0.020	109.586%
3	16:02:45	0.024	0.039	0.026	0.035	0.025	110.036%
x		0.024	0.035	0.019	0.024	0.022	109.005%
σ		0.001	0.013	0.007	0.013	0.003	1.413%
%RSD		2.670	37.300	35.400	54.230	12.220	1.296

CRI 667994 12/29/2012 4:04:58 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:05:40	89.816%	1.270	7.382	6.914	0.000	66.570	99.100	100.600
2	16:06:21	89.841%	1.203	8.335	7.797	0.000	67.670	100.800	100.800
3	16:07:03	89.236%	1.312	5.619	7.619	0.000	64.820	100.700	103.500
x		89.631%	126.158%	142.235%	148.868%	0.000	82.944%	100.183%	101.648%
σ		0.342%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.382	4.361	19.380	6.271	0.000	2.168	0.939	1.611

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:05:40	28.890	500.100	0.000	94.290	116.700	110.800	110.286%	5.399
2	16:06:21	28.540	505.600	0.000	94.720	124.100	118.100	111.083%	5.501
3	16:07:03	29.170	505.500	0.000	97.110	112.500	107.500	110.422%	4.445
x		96.220%	100.749%	0.000	95.372%	117.792%	112.135%	110.597%	102.303%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.426%	n/a
%RSD		1.098	0.622	0.000	1.592	4.988	4.823	0.385	11.380

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:05:40	0.863	1.917	4.880	49.600	69.280	0.469	1.028	1.852
2	16:06:21	0.930	1.954	4.781	48.740	62.410	0.496	1.405	2.127
3	16:07:03	0.914	1.761	4.918	48.830	59.420	0.561	1.119	1.903
x		90.256%	93.856%	97.196%	98.108%	127.404%	101.672%	118.374%	98.026%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		3.859	5.458	1.459	0.964	7.940	9.312	16.610	7.453

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:05:40	2.083	8.184	8.548	0.917	3.122	5.322	0.000	5.010
2	16:06:21	2.506	7.855	7.925	1.130	3.076	5.118	0.000	4.971
3	16:07:03	2.102	8.095	7.882	0.747	5.893	4.597	0.000	4.966
x		111.506%	160.891%	162.365%	93.121%	80.604%	100.246%	0.000	99.642%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		10.720	2.111	4.592	20.610	40.020	7.459	0.000	0.483

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:05:40	100.594%	4.786	5.035	101.963%	1.057	1.084	1.196	0.932
2	16:06:21	101.200%	5.377	5.227	102.602%	1.018	1.047	1.163	1.113
3	16:07:03	101.707%	4.938	4.863	102.229%	0.968	1.049	1.299	1.019
x		101.167%	100.675%	100.832%	102.264%	101.403%	106.011%	121.963%	102.130%
σ		0.557%	n/a	n/a	0.321%	n/a	n/a	n/a	n/a
%RSD		0.551	6.099	3.613	0.314	4.415	1.981	5.805	8.856

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:05:40	103.395%	5.354	1.929	2.063	9.938	9.920	104.032%	104.803%
2	16:06:21	103.669%	5.721	2.165	2.184	10.250	9.720	104.271%	105.328%
3	16:07:03	103.776%	5.958	2.009	2.089	9.906	9.422	103.829%	105.578%
x		103.613%	113.557%	101.710%	105.611%	100.323%	96.877%	104.044%	105.236%
σ		0.196%	n/a	n/a	n/a	n/a	n/a	0.221%	0.396%
%RSD		0.190	5.358	5.904	3.015	1.914	2.588	0.213	0.376

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:05:40	0.891	0.992	0.918	0.987	0.983	106.403%
2	16:06:21	1.117	1.012	1.010	1.038	1.003	107.866%
3	16:07:03	0.984	1.026	1.177	1.046	1.093	107.312%
x		99.712%	101.005%	103.507%	102.360%	102.635%	107.194%
σ		n/a	n/a	n/a	n/a	n/a	0.738%
%RSD		11.380	1.658	12.710	3.133	5.715	0.689

ICSA 668877 12/29/2012 4:09:15 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:09:57	86.330%	0.005	1.398	0.607	0.000	102500.000	102200.000	102300.000
2	16:10:38	87.848%	0.004	-0.275	0.579	0.000	102100.000	101400.000	101800.000
3	16:11:20	89.540%	0.037	0.326	0.358	0.000	100600.000	100300.000	100500.000
x		87.906%	0.015	0.483	0.515	0.000	101700.000	101300.000	101500.000
σ		1.606%	0.019	0.847	0.136	0.000	997.000	950.000	968.400
%RSD		1.827	124.700	175.300	26.460	0.000	0.980	0.938	0.954

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:09:57	117300.000	27.310	0.000	102700.000	104200.000	103600.000	85.202%	2277.000
2	16:10:38	116200.000	28.060	0.000	102100.000	103900.000	104400.000	87.555%	2298.000
3	16:11:20	114800.000	26.770	0.000	101100.000	104200.000	104300.000	88.830%	2268.000
x		116100.000	27.380	0.000	101900.000	104100.000	104100.000	87.196%	2281.000
σ		1262.000	0.649	0.000	841.500	167.800	423.900	1.840%	14.930
%RSD		1.087	2.370	0.000	0.825	0.161	0.407	2.111	0.655

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:09:57	-0.634	-0.031	0.542	102800.000	104900.000	0.105	0.483	1.048
2	16:10:38	-0.369	-0.035	0.528	100700.000	105100.000	0.086	0.443	1.215
3	16:11:20	-0.812	0.031	0.391	99910.000	106400.000	0.066	0.420	1.052
x		-0.605	-0.012	0.487	101100.000	105500.000	0.085	0.449	1.105
σ		0.223	0.037	0.083	1472.000	797.300	0.020	0.032	0.095
%RSD		36.880	321.600	17.100	1.456	0.756	23.010	7.151	8.614

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:09:57	1.987	4.079	2.232	0.316	-0.709	0.665	0.000	5.185
2	16:10:38	1.810	3.893	2.319	-0.392	-0.304	-0.965	0.000	4.713
3	16:11:20	1.931	3.700	1.973	-0.337	-1.114	-1.358	0.000	5.013
x		1.909	3.891	2.174	-0.138	-0.709	-0.552	0.000	4.970
σ		0.091	0.189	0.180	0.394	0.405	1.073	0.000	0.239
%RSD		4.759	4.868	8.283	285.800	57.170	194.100	0.000	4.802

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:09:57	86.527%	2159.000	2194.000	81.662%	0.095	0.076	0.576	0.354
2	16:10:38	90.693%	2145.000	2197.000	85.781%	0.059	0.090	0.316	0.103
3	16:11:20	92.156%	2163.000	2186.000	87.908%	0.087	0.079	0.980	0.241
x		89.792%	2156.000	2193.000	85.117%	0.080	0.082	0.624	0.233
σ		2.921%	9.366	5.714	3.176%	0.019	0.008	0.334	0.126
%RSD		3.253	0.435	0.261	3.731	23.460	9.217	53.580	54.010

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:09:57	88.339%	5.047	0.301	0.309	0.343	0.319	95.077%	96.486%
2	16:10:38	93.942%	4.274	0.269	0.302	0.273	0.273	98.915%	101.972%
3	16:11:20	96.996%	3.620	0.216	0.392	0.261	0.341	101.915%	103.912%
x		93.092%	4.314	0.262	0.334	0.292	0.311	98.635%	100.790%
σ		4.390%	0.715	0.043	0.050	0.044	0.035	3.428%	3.851%
%RSD		4.716	16.570	16.270	14.950	14.980	11.220	3.475	3.821

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:09:57	0.030	0.047	0.188	0.179	0.166	96.862%
2	16:10:38	0.031	0.030	0.156	0.161	0.144	98.410%
3	16:11:20	0.030	0.025	0.127	0.169	0.139	101.492%
x		0.030	0.034	0.157	0.169	0.149	98.921%
σ		0.001	0.012	0.031	0.009	0.015	2.357%
%RSD		2.840	33.770	19.500	5.200	9.796	2.383

ICSAB 668878 12/29/2012 4:13:32 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:14:14	91.109%	20.470	53.700	49.360	0.000	102200.000	101500.000	101600.000
2	16:14:56	94.240%	20.550	52.670	48.800	0.000	99910.000	99500.000	99880.000
3	16:15:37	94.288%	22.700	49.920	48.270	0.000	99950.000	99320.000	99760.000
x		93.212%	106.193%	104.194%	97.620%	0.000	100.674%	100.100%	100.414%
σ		1.822%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.955	5.946	3.750	1.109	0.000	1.282	1.198	1.025

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:14:14	115900.000	525.700	0.000	102000.000	105700.000	104900.000	90.435%	2254.000
2	16:14:56	114300.000	524.800	0.000	100800.000	103900.000	104800.000	92.036%	2245.000
3	16:15:37	113800.000	520.800	0.000	100200.000	104900.000	105100.000	92.679%	2237.000
x		114.638%	104.755%	0.000	100.999%	104.833%	104.935%	91.717%	112.271%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.155%	n/a
%RSD		0.975	0.494	0.000	0.933	0.851	0.120	1.260	0.372

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:14:14	20.510	20.050	20.400	98730.000	103600.000	19.760	19.370	20.410
2	16:14:56	19.740	20.520	20.270	97080.000	104200.000	19.910	18.650	20.470
3	16:15:37	19.850	20.250	20.930	97080.000	104300.000	20.090	20.570	21.160
x		100.181%	101.361%	102.673%	97.630%	104.055%	99.605%	97.650%	103.400%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		2.085	1.177	1.710	0.976	0.348	0.843	4.976	2.025

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:14:14	21.370	23.240	20.450	19.710	48.070	48.440	0.000	23.810
2	16:14:56	19.670	23.330	21.930	19.990	49.990	52.330	0.000	23.840
3	16:15:37	22.040	23.340	22.400	22.220	52.180	52.650	0.000	23.580
x		105.130%	93.225%	86.372%	103.195%	100.159%	102.283%	0.000	118.722%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		5.826	0.241	4.721	6.658	4.100	4.577	0.000	0.593

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:14:14	101.368%	2070.000	2141.000	88.426%	20.340	20.470	20.470	19.670
2	16:14:56	103.458%	2081.000	2148.000	90.684%	21.010	19.940	20.920	20.020
3	16:15:37	104.570%	2088.000	2167.000	91.161%	20.010	19.750	19.950	19.510
x		103.132%	103.998%	107.590%	90.091%	102.269%	100.258%	102.225%	98.669%
σ		1.626%	n/a	n/a	1.461%	n/a	n/a	n/a	n/a
%RSD		1.576	0.433	0.614	1.621	2.498	1.874	2.383	1.333

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:14:14	96.156%	110.400	21.320	21.470	20.900	20.460	103.455%	104.895%
2	16:14:56	99.302%	108.500	21.960	21.260	22.380	21.610	106.416%	108.235%
3	16:15:37	100.208%	110.400	21.580	21.670	21.430	21.730	108.098%	110.064%
x		98.555%	109.762%	108.098%	107.333%	107.843%	106.326%	105.990%	107.731%
σ		2.127%	n/a	n/a	n/a	n/a	n/a	2.351%	2.621%
%RSD		2.158	0.987	1.487	0.952	3.484	3.307	2.218	2.433

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:14:14	20.360	20.360	21.400	21.530	21.390	102.212%
2	16:14:56	21.090	20.700	21.360	21.310	21.450	105.234%
3	16:15:37	21.010	20.890	21.290	21.670	21.590	105.119%
x		104.115%	103.255%	106.752%	107.513%	107.397%	104.188%
σ		n/a	n/a	n/a	n/a	n/a	1.713%
%RSD		1.924	1.291	0.241	0.857	0.471	1.644

CCV 664806 12/29/2012 4:21:21 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:03	87.342%	102.900	107.600	97.350	0.000	50640.000	50570.000	45700.000
2	16:22:44	87.952%	100.700	105.900	99.090	0.000	50130.000	45490.000	45990.000
3	16:23:26	89.616%	104.000	96.410	99.390	0.000	49630.000	45570.000	45850.000
x		88.303%	102.567%	103.295%	98.612%	0.000	100.271%	94.421%	91.695%
σ		1.177%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.333	1.642	5.831	1.118	0.000	1.004	6.172	0.314
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:03	514.800	5066.000	0.000	50150.000	50850.000	50150.000	92.109%	101.400
2	16:22:44	509.400	5097.000	0.000	49920.000	50970.000	50400.000	93.088%	103.600
3	16:23:26	508.400	5082.000	0.000	49630.000	50980.000	51020.000	93.151%	100.200
x		102.170%	101.637%	0.000	99.794%	101.863%	101.046%	92.783%	101.716%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.584%	n/a
%RSD		0.679	0.307	0.000	0.526	0.139	0.883	0.629	1.741
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:03	97.770	99.190	503.100	24740.000	25300.000	101.200	100.500	100.200
2	16:22:44	99.300	99.940	507.600	24360.000	25300.000	101.300	100.200	101.900
3	16:23:26	101.100	101.300	510.100	24350.000	25480.000	102.100	100.900	102.400
x		99.380%	100.159%	101.382%	97.939%	101.437%	101.544%	100.534%	101.472%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.665	1.095	0.704	0.920	0.396	0.463	0.344	1.149
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:03	101.000	103.700	106.000	102.900	96.820	101.200	0.000	99.390
2	16:22:44	101.500	102.400	104.300	100.600	104.300	103.700	0.000	99.340
3	16:23:26	102.100	104.900	103.600	100.300	101.000	103.900	0.000	98.420
x		101.559%	103.682%	104.634%	101.275%	100.705%	102.954%	0.000	99.052%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.566	1.250	1.194	1.409	3.742	1.448	0.000	0.553
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:03	97.150%	103.100	103.500	95.325%	98.370	97.350	98.180	97.060
2	16:22:44	99.072%	102.500	102.700	97.379%	97.570	97.930	100.300	96.800
3	16:23:26	99.645%	105.100	103.200	97.906%	98.990	97.920	97.030	96.480
x		98.622%	103.571%	103.144%	96.870%	98.311%	97.734%	98.512%	96.781%
σ		1.307%	n/a	n/a	1.364%	n/a	n/a	n/a	n/a
%RSD		1.325	1.322	0.409	1.408	0.722	0.337	1.693	0.304
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:03	99.780%	99.470	100.400	99.170	97.960	96.860	104.235%	106.705%
2	16:22:44	103.954%	98.110	98.940	100.400	99.310	99.180	108.104%	109.368%
3	16:23:26	104.779%	99.330	99.130	98.250	97.890	99.830	109.767%	110.787%
x		102.838%	98.969%	99.492%	99.285%	98.386%	98.622%	107.368%	108.954%
σ		2.680%	n/a	n/a	n/a	n/a	n/a	2.838%	2.072%
%RSD		2.606	0.754	0.802	1.101	0.812	1.587	2.643	1.902
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	16:22:03	99.950	99.110	100.200	99.210	99.690	103.595%		
2	16:22:44	99.320	99.730	101.000	99.500	100.000	107.133%		
3	16:23:26	100.200	99.890	100.100	99.650	100.000	107.969%		
x		99.836%	99.577%	100.453%	99.454%	99.910%	106.232%		
σ		n/a	n/a	n/a	n/a	n/a	2.322%		
%RSD		0.465	0.413	0.517	0.223	0.194	2.185		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:29:10	97.260%	-0.031	0.098	0.577	0.000	-30.430	3.497	4.598
2	16:29:52	100.338%	-0.000	0.174	0.277	0.000	-29.890	4.539	3.702
3	16:30:34	102.955%	-0.031	0.253	0.125	0.000	-25.840	8.476	7.005
x		100.184%	-0.021	0.175	0.326	0.000	-28.720	5.504	5.102
σ		2.851%	0.017	0.078	0.230	0.000	2.506	2.626	1.708
%RSD		2.845	84.690	44.330	70.480	0.000	8.726	47.710	33.480

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:29:10	-2.781	3.904	0.000	29.230	18.880	4.814	103.316%	0.264
2	16:29:52	-3.117	3.563	0.000	29.820	14.210	2.221	105.082%	0.110
3	16:30:34	-2.068	4.233	0.000	32.190	22.760	10.210	105.050%	0.011
x		-2.655	3.900	0.000	30.410	18.620	5.748	104.483%	0.129
σ		0.535	0.335	0.000	1.568	4.284	4.076	1.011%	0.128
%RSD		20.170	8.585	0.000	5.156	23.010	70.910	0.967	99.060

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:29:10	0.050	0.061	0.061	17.130	20.270	-0.020	0.048	0.042
2	16:29:52	-0.005	-0.007	0.051	11.840	16.020	-0.002	0.063	-0.037
3	16:30:34	0.029	0.022	0.067	11.170	12.920	0.004	0.014	-0.022
x		0.025	0.025	0.060	13.380	16.410	-0.006	0.041	-0.006
σ		0.027	0.034	0.008	3.266	3.691	0.013	0.025	0.042
%RSD		111.100	133.300	13.340	24.410	22.500	218.000	60.940	749.600

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:29:10	0.161	0.254	0.361	0.049	0.108	0.316	0.000	0.015
2	16:29:52	0.104	0.404	0.112	-0.128	0.211	-0.205	0.000	0.001
3	16:30:34	0.021	0.147	0.419	0.040	-0.373	-0.234	0.000	0.037
x		0.095	0.268	0.297	-0.013	-0.018	-0.041	0.000	0.018
σ		0.071	0.129	0.163	0.100	0.311	0.309	0.000	0.018
%RSD		74.120	48.170	54.820	774.200	1742.000	756.900	0.000	101.200

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:29:10	104.669%	1.012	0.862	105.402%	0.023	0.017	0.181	0.055
2	16:29:52	106.783%	0.895	0.894	107.505%	0.004	0.008	0.060	-0.043
3	16:30:34	107.976%	0.734	0.743	108.429%	0.015	0.012	0.048	-0.010
x		106.476%	0.880	0.833	107.112%	0.014	0.012	0.097	0.001
σ		1.675%	0.139	0.079	1.551%	0.009	0.004	0.073	0.050
%RSD		1.573	15.820	9.535	1.448	66.690	33.200	76.120	9152.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:29:10	106.851%	0.315	0.025	0.003	-0.055	-0.017	107.584%	108.035%
2	16:29:52	109.450%	0.353	0.032	-0.003	-0.097	-0.065	110.443%	110.689%
3	16:30:34	109.877%	0.007	0.031	0.007	-0.077	-0.030	111.243%	111.671%
x		108.726%	0.225	0.029	0.002	-0.077	-0.037	109.757%	110.132%
σ		1.638%	0.190	0.004	0.005	0.021	0.025	1.923%	1.881%
%RSD		1.506	84.160	12.760	203.600	27.240	67.270	1.752	1.708

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:29:10	0.049	0.040	0.048	0.019	0.033	110.244%
2	16:29:52	0.052	0.046	0.009	0.021	0.026	112.504%
3	16:30:34	0.040	0.051	0.014	0.011	0.022	113.573%
x		0.047	0.046	0.024	0.017	0.027	112.107%
σ		0.006	0.005	0.022	0.005	0.006	1.700%
%RSD		13.010	11.830	90.540	29.430	20.660	1.516

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:36:17	101.869%	-0.001	-0.272	0.093	0.000	-43.110	-1.320	-0.674
2	16:36:59	104.127%	-0.031	-0.077	-0.011	0.000	-42.040	-0.856	-0.232
3	16:37:41	104.301%	-0.031	-0.184	-0.136	0.000	-39.510	-1.163	-0.178
x		103.432%	-0.021	-0.178	-0.018	0.000	-41.550	-1.113	-0.361
σ		1.357%	0.017	0.098	0.115	0.000	1.849	0.236	0.273
%RSD		1.312	82.980	54.990	646.700	0.000	4.449	21.190	75.440
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:36:17	-3.589	7.524	0.000	20.640	-2.960	1.495	104.618%	-0.038
2	16:36:59	-3.488	6.341	0.000	22.060	18.280	2.605	106.030%	0.109
3	16:37:41	-3.260	7.431	0.000	22.430	9.810	1.868	105.771%	0.109
x		-3.446	7.099	0.000	21.710	8.376	1.989	105.473%	0.060
σ		0.169	0.658	0.000	0.949	10.690	0.565	0.752%	0.085
%RSD		4.889	9.265	0.000	4.369	127.600	28.370	0.713	141.000
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:36:17	0.110	0.050	0.001	6.206	8.026	-0.026	0.080	0.141
2	16:36:59	0.011	0.051	0.018	5.184	6.374	-0.020	0.013	0.126
3	16:37:41	-0.000	0.041	-0.002	4.357	7.457	-0.014	0.014	0.002
x		0.040	0.048	0.006	5.249	7.286	-0.020	0.036	0.090
σ		0.060	0.006	0.011	0.926	0.839	0.006	0.038	0.077
%RSD		150.600	11.640	195.200	17.640	11.520	30.160	107.600	85.250
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:36:17	0.123	1.818	1.610	-0.145	0.069	-0.427	0.000	-0.035
2	16:36:59	0.053	1.571	2.099	-0.324	-2.099	-0.902	0.000	-0.021
3	16:37:41	0.087	1.596	1.200	0.145	-1.262	0.791	0.000	-0.035
x		0.088	1.662	1.636	-0.108	-1.097	-0.179	0.000	-0.031
σ		0.035	0.136	0.450	0.237	1.093	0.873	0.000	0.008
%RSD		40.180	8.189	27.510	219.200	99.680	487.000	0.000	26.470
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:36:17	105.495%	0.484	0.395	106.009%	0.001	-0.003	0.054	0.009
2	16:36:59	106.915%	0.282	0.335	107.931%	0.004	-0.003	0.003	-0.020
3	16:37:41	106.490%	0.474	0.421	107.877%	-0.003	-0.003	0.005	-0.051
x		106.300%	0.414	0.384	107.272%	0.001	-0.003	0.020	-0.021
σ		0.729%	0.114	0.044	1.095%	0.004	0.000	0.029	0.030
%RSD		0.686	27.540	11.590	1.020	519.600	1.345	141.100	145.900
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:36:17	106.717%	1.604	0.009	-0.012	-0.097	-0.053	106.864%	107.934%
2	16:36:59	108.139%	1.483	-0.003	-0.023	-0.077	-0.065	109.299%	109.690%
3	16:37:41	109.307%	1.338	0.005	-0.018	-0.036	-0.030	108.903%	110.126%
x		108.054%	1.475	0.004	-0.018	-0.070	-0.049	108.356%	109.250%
σ		1.297%	0.133	0.006	0.005	0.031	0.018	1.307%	1.161%
%RSD		1.200	9.043	170.500	29.680	43.990	36.920	1.206	1.062
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	16:36:17	0.021	0.025	0.007	0.025	0.014	110.691%		
2	16:36:59	0.016	0.015	0.014	0.018	0.017	112.159%		
3	16:37:41	0.023	0.010	0.006	0.015	0.017	112.245%		
x		0.020	0.017	0.009	0.019	0.016	111.698%		
σ		0.003	0.008	0.005	0.005	0.002	0.874%		
%RSD		17.280	46.750	50.290	26.420	9.533	0.782		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:40:31	94.663%	50.140	984.200	957.900	0.000	47880.000	42790.000	43220.000
2	16:41:13	94.972%	51.320	1024.000	979.800	0.000	47530.000	43370.000	47480.000
3	16:41:54	94.304%	50.540	1034.000	986.300	0.000	47680.000	43470.000	43880.000
x		94.646%	50.670	1014.000	974.700	0.000	47700.000	43210.000	44860.000
σ		0.335%	0.599	26.270	14.870	0.000	172.800	368.400	2293.000
%RSD		0.354	1.181	2.591	1.525	0.000	0.362	0.853	5.112

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:40:31	1905.000	9492.000	0.000	48380.000	50080.000	48890.000	92.944%	961.000
2	16:41:13	1920.000	9513.000	0.000	47630.000	49320.000	48770.000	94.877%	972.600
3	16:41:54	1926.000	9570.000	0.000	47500.000	50000.000	48960.000	94.411%	968.400
x		1917.000	9525.000	0.000	47840.000	49800.000	48870.000	94.077%	967.300
σ		10.730	40.360	0.000	472.300	417.100	94.450	1.009%	5.890
%RSD		0.560	0.424	0.000	0.987	0.838	0.193	1.072	0.609

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:40:31	488.400	194.500	489.700	921.200	1186.000	481.900	485.700	244.200
2	16:41:13	486.900	194.100	489.800	923.800	1190.000	481.900	484.900	240.700
3	16:41:54	482.600	193.900	493.400	926.700	1203.000	482.600	477.300	236.300
x		486.000	194.100	491.000	923.900	1193.000	482.100	482.600	240.400
σ		2.997	0.310	2.109	2.752	9.095	0.431	4.616	3.949
%RSD		0.617	0.160	0.430	0.298	0.762	0.089	0.957	1.643

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:40:31	238.400	510.700	514.000	38.500	10.490	10.790	0.000	953.900
2	16:41:13	237.800	515.700	522.600	38.780	8.410	9.416	0.000	961.500
3	16:41:54	240.700	515.100	516.100	37.050	11.220	9.252	0.000	960.000
x		239.000	513.800	517.600	38.110	10.040	9.820	0.000	958.400
σ		1.546	2.731	4.463	0.928	1.458	0.847	0.000	4.020
%RSD		0.647	0.532	0.862	2.434	14.520	8.622	0.000	0.419

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:40:31	97.872%	937.200	944.700	94.825%	48.360	48.300	50.520	41.420
2	16:41:13	99.837%	969.200	980.400	97.277%	48.100	49.200	51.420	41.450
3	16:41:54	99.787%	972.700	980.800	97.366%	47.900	47.570	49.540	41.690
x		99.166%	959.700	968.600	96.490%	48.120	48.360	50.500	41.520
σ		1.120%	19.590	20.760	1.442%	0.230	0.819	0.940	0.149
%RSD		1.130	2.041	2.143	1.495	0.478	1.693	1.862	0.358

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:40:31	99.840%	1964.000	490.900	491.700	1922.000	1922.000	104.752%	106.444%
2	16:41:13	102.197%	1991.000	499.700	498.900	1920.000	1928.000	108.458%	109.237%
3	16:41:54	104.372%	1973.000	493.500	494.700	1923.000	1911.000	108.673%	110.965%
x		102.137%	1976.000	494.700	495.100	1922.000	1920.000	107.294%	108.882%
σ		2.267%	14.110	4.532	3.648	1.633	8.671	2.204%	2.282%
%RSD		2.219	0.714	0.916	0.737	0.085	0.452	2.055	2.095

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:40:31	45.350	45.650	19.870	19.400	19.600	105.065%
2	16:41:13	47.030	47.170	19.800	19.780	19.940	107.389%
3	16:41:54	48.310	47.510	20.090	20.540	20.220	107.593%
x		46.900	46.780	19.920	19.910	19.920	106.683%
σ		1.484	0.989	0.152	0.579	0.311	1.404%
%RSD		3.164	2.114	0.763	2.906	1.561	1.316

LCSD 180-59010/3-A 12/29/2012 4:44:03 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:44:44	96.502%	50.270	1007.000	968.000	0.000	47820.000	43630.000	44010.000
2	16:45:26	97.184%	49.890	980.800	979.500	0.000	47430.000	43730.000	47850.000
3	16:46:08	95.922%	49.860	1007.000	976.300	0.000	47790.000	44150.000	44700.000
x		96.536%	50.000	998.300	974.600	0.000	47680.000	43840.000	45520.000
σ		0.632%	0.230	15.140	5.938	0.000	214.600	276.600	2045.000
%RSD		0.654	0.460	1.517	0.609	0.000	0.450	0.631	4.492

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:44:44	1948.000	9833.000	0.000	49330.000	51770.000	51020.000	89.396%	1031.000
2	16:45:26	1966.000	9831.000	0.000	48900.000	51140.000	51100.000	89.284%	1015.000
3	16:46:08	1971.000	9932.000	0.000	49380.000	52020.000	51670.000	87.840%	1037.000
x		1962.000	9865.000	0.000	49200.000	51640.000	51260.000	88.840%	1028.000
σ		11.740	57.420	0.000	260.700	456.000	351.700	0.868%	11.530
%RSD		0.598	0.582	0.000	0.530	0.883	0.686	0.977	1.122

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:44:44	511.300	205.100	516.600	851.400	1088.000	511.000	514.300	255.700
2	16:45:26	513.800	205.800	517.000	851.000	1138.000	515.000	509.400	254.200
3	16:46:08	522.000	208.000	521.100	859.800	1102.000	515.600	518.400	258.300
x		515.700	206.300	518.200	854.100	1110.000	513.900	514.000	256.100
σ		5.611	1.549	2.468	4.974	25.670	2.493	4.518	2.051
%RSD		1.088	0.751	0.476	0.582	2.313	0.485	0.879	0.801

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:44:44	253.100	538.900	534.600	41.850	9.946	8.838	0.000	980.600
2	16:45:26	255.700	544.000	545.300	40.310	9.114	11.590	0.000	990.500
3	16:46:08	255.600	542.200	548.800	41.730	11.060	11.110	0.000	988.100
x		254.800	541.700	542.900	41.300	10.040	10.510	0.000	986.400
σ		1.471	2.591	7.406	0.857	0.975	1.471	0.000	5.171
%RSD		0.577	0.478	1.364	2.075	9.713	13.990	0.000	0.524

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:44:44	95.725%	985.300	993.000	92.945%	50.600	50.000	50.010	42.880
2	16:45:26	95.752%	1010.000	1007.000	94.124%	49.930	48.990	51.030	42.240
3	16:46:08	95.731%	1018.000	1020.000	93.230%	50.700	49.860	53.480	43.560
x		95.736%	1004.000	1007.000	93.433%	50.410	49.620	51.500	42.890
σ		0.014%	16.980	13.750	0.616%	0.420	0.550	1.782	0.660
%RSD		0.015	1.691	1.366	0.659	0.833	1.109	3.460	1.539

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:44:44	98.376%	2035.000	505.700	501.800	1963.000	1982.000	103.403%	106.142%
2	16:45:26	100.113%	2027.000	505.700	505.500	1971.000	1968.000	105.958%	106.819%
3	16:46:08	99.057%	2040.000	507.100	511.200	1985.000	1979.000	105.655%	106.816%
x		99.182%	2034.000	506.200	506.200	1973.000	1976.000	105.005%	106.592%
σ		0.875%	6.766	0.806	4.722	11.090	7.646	1.396%	0.390%
%RSD		0.882	0.333	0.159	0.933	0.562	0.387	1.329	0.366

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:44:44	48.770	48.170	20.640	20.940	20.670	102.466%
2	16:45:26	50.220	50.050	21.050	20.950	20.970	102.728%
3	16:46:08	50.480	50.660	21.180	20.720	21.020	102.295%
x		49.820	49.630	20.960	20.870	20.890	102.496%
σ		0.920	1.296	0.284	0.132	0.189	0.218%
%RSD		1.847	2.612	1.354	0.630	0.906	0.213

180-17465-E-1-B 12/29/2012 4:48:17 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:48:58	93.825%	-0.031	161.100	167.000	0.000	36800.000	9509.000	9571.000
2	16:49:40	95.030%	0.002	165.000	165.000	0.000	36540.000	9577.000	9581.000
3	16:50:21	94.214%	0.002	163.600	166.100	0.000	36640.000	9596.000	9608.000
x		94.356%	-0.009	163.200	166.000	0.000	36660.000	9560.000	9587.000
σ		0.615%	0.019	1.990	0.991	0.000	130.600	45.640	18.730
%RSD		0.652	204.000	1.219	0.597	0.000	0.356	0.477	0.195
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:48:58	-1.924	5947.000	0.000	1670.000	26900.000	27180.000	88.875%	3.473
2	16:49:40	-2.541	5967.000	0.000	1684.000	27500.000	27140.000	89.229%	2.179
3	16:50:21	-2.396	5914.000	0.000	1673.000	26840.000	27100.000	89.581%	1.591
x		-2.287	5942.000	0.000	1676.000	27080.000	27140.000	89.228%	2.414
σ		0.323	26.790	0.000	7.250	362.700	37.320	0.353%	0.963
%RSD		14.120	0.451	0.000	0.433	1.339	0.138	0.396	39.860
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:48:58	-0.432	0.595	52.220	228.100	317.400	0.121	0.241	1.196
2	16:49:40	-1.689	0.516	52.490	225.800	305.900	0.076	0.118	1.077
3	16:50:21	-0.953	0.488	52.670	221.600	306.000	0.040	0.103	1.087
x		-1.025	0.533	52.460	225.200	309.800	0.079	0.154	1.120
σ		0.632	0.056	0.227	3.278	6.605	0.041	0.075	0.066
%RSD		61.620	10.460	0.432	1.456	2.132	51.500	48.880	5.890
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:48:58	1.439	2.223	3.121	1.133	-0.665	-0.812	0.000	762.100
2	16:49:40	1.239	2.187	3.261	2.179	-1.222	-0.631	0.000	773.200
3	16:50:21	1.155	2.150	3.442	0.782	-1.242	-1.129	0.000	764.200
x		1.278	2.187	3.275	1.365	-1.043	-0.857	0.000	766.500
σ		0.146	0.036	0.161	0.726	0.328	0.252	0.000	5.919
%RSD		11.440	1.648	4.907	53.230	31.430	29.400	0.000	0.772
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:48:58	91.417%	12.740	12.020	89.868%	0.002	0.020	-0.005	-0.151
2	16:49:40	92.054%	7.237	7.785	90.813%	0.014	0.015	0.040	-0.114
3	16:50:21	92.772%	5.246	5.354	91.079%	0.006	0.006	0.039	-0.111
x		92.081%	8.409	8.385	90.587%	0.007	0.014	0.024	-0.125
σ		0.678%	3.884	3.372	0.637%	0.006	0.007	0.026	0.022
%RSD		0.736	46.190	40.210	0.703	85.420	50.180	106.100	17.970
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:48:58	95.449%	15.070	0.238	0.268	327.000	324.800	99.568%	101.071%
2	16:49:40	96.700%	10.480	0.156	0.169	328.800	330.500	101.270%	103.331%
3	16:50:21	97.075%	8.274	0.116	0.112	332.400	330.200	102.038%	103.130%
x		96.408%	11.270	0.170	0.183	329.400	328.500	100.959%	102.511%
σ		0.851%	3.466	0.062	0.079	2.777	3.188	1.264%	1.251%
%RSD		0.883	30.750	36.490	43.100	0.843	0.970	1.252	1.220
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	16:48:58	1.171	1.126	0.142	0.152	0.138	101.653%		
2	16:49:40	0.827	0.858	0.131	0.116	0.116	102.889%		
3	16:50:21	0.629	0.649	0.110	0.096	0.100	103.192%		
x		0.876	0.878	0.127	0.121	0.118	102.578%		
σ		0.274	0.239	0.016	0.029	0.019	0.816%		
%RSD		31.280	27.200	12.820	23.540	16.110	0.795		

180-17465-E-1-B SD@5 12/29/2012 4:52:31 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:53:12	84.505%	0.005	39.820	40.790	0.000	7456.000	1918.000	1917.000
2	16:53:54	84.845%	0.041	39.280	39.960	0.000	7490.000	1929.000	1920.000
3	16:54:35	86.366%	-0.031	33.540	39.300	0.000	7396.000	1916.000	1914.000
x		85.239%	0.005	37.550	40.010	0.000	7447.000	1921.000	1917.000
σ		0.991%	0.036	3.482	0.749	0.000	47.430	7.123	2.879
%RSD		1.162	685.900	9.274	1.872	0.000	0.637	0.371	0.150

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:53:12	-3.372	1184.000	0.000	351.000	5627.000	5391.000	84.915%	0.829
2	16:53:54	-3.270	1186.000	0.000	355.400	5602.000	5463.000	84.961%	1.194
3	16:54:35	-3.622	1186.000	0.000	355.400	5458.000	5516.000	85.066%	0.949
x		-3.422	1185.000	0.000	353.900	5562.000	5456.000	84.981%	0.991
σ		0.181	1.191	0.000	2.530	91.220	62.960	0.078%	0.186
%RSD		5.301	0.101	0.000	0.715	1.640	1.154	0.091	18.780

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:53:12	0.121	0.146	10.500	47.310	65.180	0.205	0.300	0.542
2	16:53:54	0.050	0.061	10.430	46.640	61.300	0.127	0.199	0.470
3	16:54:35	-0.372	0.142	10.920	46.530	62.510	0.150	0.320	0.345
x		-0.067	0.116	10.620	46.830	63.000	0.161	0.273	0.452
σ		0.267	0.048	0.265	0.425	1.984	0.040	0.065	0.100
%RSD		398.000	41.360	2.491	0.907	3.150	24.650	23.910	22.100

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:53:12	0.377	0.948	1.555	0.170	-1.280	-0.838	0.000	151.900
2	16:53:54	0.493	0.650	1.543	-0.346	-0.968	-0.958	0.000	153.600
3	16:54:35	0.515	1.031	1.099	-0.477	-1.634	-1.939	0.000	153.400
x		0.462	0.876	1.399	-0.217	-1.294	-1.245	0.000	152.900
σ		0.074	0.200	0.259	0.342	0.333	0.604	0.000	0.921
%RSD		16.080	22.870	18.550	157.300	25.730	48.500	0.000	0.602

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:53:12	86.762%	2.500	2.444	86.980%	0.002	0.016	0.034	-0.042
2	16:53:54	87.800%	2.397	2.371	87.778%	0.028	0.016	0.089	-0.050
3	16:54:35	87.297%	2.114	2.050	87.587%	0.028	0.016	-0.045	-0.062
x		87.286%	2.337	2.288	87.448%	0.019	0.016	0.026	-0.051
σ		0.519%	0.200	0.210	0.417%	0.015	0.000	0.067	0.010
%RSD		0.595	8.566	9.157	0.477	76.570	0.997	260.100	19.270

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:53:12	90.617%	4.743	0.266	0.242	66.190	66.890	95.164%	95.903%
2	16:53:54	92.174%	4.147	0.188	0.297	64.420	66.080	96.237%	97.336%
3	16:54:35	91.980%	4.307	0.175	0.232	66.700	65.360	96.566%	96.393%
x		91.590%	4.399	0.209	0.257	65.770	66.110	95.989%	96.544%
σ		0.848%	0.309	0.049	0.035	1.198	0.761	0.733%	0.728%
%RSD		0.926	7.017	23.550	13.490	1.822	1.152	0.764	0.754

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:53:12	0.454	0.430	0.024	0.025	0.030	96.218%
2	16:53:54	0.433	0.407	0.024	0.032	0.029	97.303%
3	16:54:35	0.420	0.320	0.027	0.024	0.040	97.930%
x		0.436	0.385	0.025	0.027	0.033	97.150%
σ		0.017	0.058	0.002	0.004	0.006	0.866%
%RSD		3.841	15.080	6.052	14.950	18.910	0.892

180-17460-A-1-A 12/29/2012 4:56:45 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:57:27	86.384%	0.040	33.880	33.720	0.000	15360.000	5170.000	5169.000
2	16:58:09	86.428%	0.146	34.600	34.600	0.000	15350.000	5220.000	5216.000
3	16:58:51	88.002%	0.178	29.890	33.330	0.000	15120.000	5137.000	5160.000
x		86.938%	0.121	32.790	33.880	0.000	15280.000	5176.000	5182.000
σ		0.922%	0.072	2.537	0.647	0.000	135.300	42.170	29.750
%RSD		1.060	59.480	7.739	1.909	0.000	0.886	0.815	0.574

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:57:27	978.300	3459.000	0.000	2004.000	24750.000	24530.000	82.998%	9.719
2	16:58:09	981.400	3456.000	0.000	2006.000	24850.000	24430.000	83.608%	10.330
3	16:58:51	976.500	3403.000	0.000	2018.000	25180.000	24500.000	83.497%	9.842
x		978.700	3439.000	0.000	2009.000	24920.000	24490.000	83.367%	9.962
σ		2.465	31.460	0.000	7.661	224.300	47.380	0.325%	0.321
%RSD		0.252	0.915	0.000	0.381	0.900	0.194	0.390	3.224

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:57:27	0.727	1.953	264.800	2066.000	2530.000	2.808	5.267	30.350
2	16:58:09	1.140	1.810	266.900	2072.000	2603.000	2.890	6.167	29.530
3	16:58:51	1.343	1.952	267.300	2082.000	2547.000	2.863	6.894	28.550
x		1.070	1.905	266.300	2073.000	2560.000	2.854	6.110	29.470
σ		0.314	0.082	1.333	8.526	38.410	0.042	0.815	0.901
%RSD		29.330	4.307	0.501	0.411	1.500	1.460	13.340	3.058

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:57:27	27.630	27.130	28.350	0.833	-0.684	-0.927	0.000	124.800
2	16:58:09	27.530	28.080	30.350	0.035	-0.499	-2.002	0.000	126.200
3	16:58:51	30.070	27.910	26.620	0.495	-1.070	-0.067	0.000	125.800
x		28.410	27.710	28.440	0.454	-0.751	-0.999	0.000	125.600
σ		1.436	0.508	1.870	0.400	0.291	0.970	0.000	0.707
%RSD		5.055	1.833	6.573	88.080	38.760	97.090	0.000	0.563

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:57:27	86.485%	1.238	1.621	84.379%	0.034	0.032	0.224	0.152
2	16:58:09	87.674%	1.609	1.552	85.890%	0.072	0.073	0.001	0.025
3	16:58:51	87.912%	1.357	1.523	86.236%	0.029	0.035	0.008	0.117
x		87.357%	1.401	1.565	85.502%	0.045	0.046	0.078	0.098
σ		0.765%	0.190	0.050	0.988%	0.024	0.023	0.127	0.066
%RSD		0.875	13.540	3.225	1.155	53.220	48.990	162.700	67.130

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:57:27	88.135%	5.341	0.183	0.152	45.790	46.100	93.094%	94.343%
2	16:58:09	91.642%	5.105	0.189	0.162	48.870	46.890	96.223%	97.280%
3	16:58:51	91.464%	4.710	0.222	0.240	45.850	45.580	96.456%	97.519%
x		90.414%	5.052	0.198	0.185	46.840	46.190	95.258%	96.381%
σ		1.975%	0.319	0.021	0.048	1.760	0.661	1.877%	1.769%
%RSD		2.185	6.309	10.500	26.020	3.758	1.432	1.971	1.835

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:57:27	0.247	0.278	5.653	5.732	5.691	97.148%
2	16:58:09	0.215	0.271	5.806	5.670	5.715	98.242%
3	16:58:51	0.228	0.226	5.799	5.747	5.751	99.369%
x		0.230	0.258	5.753	5.716	5.719	98.253%
σ		0.016	0.028	0.086	0.041	0.030	1.111%
%RSD		6.944	10.930	1.500	0.716	0.521	1.130

180-17460-A-2-A 12/29/2012 5:01:01 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:01:43	86.269%	0.040	30.260	31.620	0.000	15830.000	4886.000	4871.000
2	17:02:25	87.806%	-0.031	29.890	30.870	0.000	15830.000	4898.000	4891.000
3	17:03:06	87.204%	0.074	30.730	30.550	0.000	15840.000	4897.000	4924.000
x		87.093%	0.028	30.300	31.010	0.000	15830.000	4894.000	4896.000
σ		0.774%	0.054	0.418	0.551	0.000	3.879	6.397	26.990
%RSD		0.889	191.500	1.380	1.777	0.000	0.024	0.131	0.551

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:01:43	570.900	2292.000	0.000	1923.000	23900.000	23240.000	81.535%	2.075
2	17:02:25	571.000	2304.000	0.000	1932.000	23460.000	23210.000	81.732%	1.499
3	17:03:06	577.800	2301.000	0.000	1930.000	23740.000	23450.000	81.500%	2.648
x		573.300	2299.000	0.000	1928.000	23700.000	23300.000	81.589%	2.074
σ		3.953	6.071	0.000	4.826	218.800	129.400	0.125%	0.575
%RSD		0.690	0.264	0.000	0.250	0.923	0.555	0.153	27.710

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:01:43	-0.553	0.747	47.960	683.100	889.200	0.222	2.718	56.360
2	17:02:25	-1.436	0.876	47.910	679.800	859.000	0.296	2.938	57.610
3	17:03:06	-0.646	0.702	48.270	681.500	868.000	0.292	2.692	57.020
x		-0.878	0.775	48.050	681.500	872.100	0.270	2.783	57.000
σ		0.486	0.090	0.194	1.610	15.500	0.042	0.135	0.622
%RSD		55.290	11.660	0.404	0.236	1.777	15.510	4.858	1.091

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:01:43	56.700	143.200	141.500	-0.644	-1.654	-2.650	0.000	120.400
2	17:02:25	56.000	140.700	142.200	-0.118	-1.087	-0.925	0.000	120.700
3	17:03:06	56.370	143.900	140.600	-0.281	-1.435	-1.087	0.000	121.900
x		56.360	142.600	141.400	-0.348	-1.392	-1.554	0.000	121.000
σ		0.351	1.663	0.774	0.270	0.286	0.952	0.000	0.778
%RSD		0.623	1.166	0.547	77.540	20.530	61.280	0.000	0.643

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:01:43	84.117%	1.194	1.451	83.342%	0.093	0.056	0.277	0.110
2	17:02:25	84.816%	1.104	1.115	84.230%	0.029	0.036	0.115	0.080
3	17:03:06	84.806%	0.915	0.938	84.030%	0.025	0.060	0.221	0.024
x		84.580%	1.071	1.168	83.868%	0.049	0.051	0.204	0.071
σ		0.401%	0.143	0.261	0.466%	0.038	0.013	0.082	0.043
%RSD		0.474	13.300	22.300	0.555	77.530	25.390	40.290	60.790

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:01:43	89.444%	3.828	0.119	0.101	35.640	34.740	93.385%	94.523%
2	17:02:25	90.105%	4.024	0.094	0.118	35.020	34.100	94.320%	96.013%
3	17:03:06	89.535%	3.858	0.142	0.094	36.250	35.930	94.484%	96.018%
x		89.695%	3.903	0.119	0.104	35.640	34.930	94.063%	95.518%
σ		0.358%	0.106	0.024	0.012	0.615	0.926	0.593%	0.862%
%RSD		0.399	2.713	20.120	11.620	1.725	2.653	0.630	0.902

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:01:43	0.183	0.160	8.535	8.144	8.240	95.499%
2	17:02:25	0.209	0.162	8.533	8.408	8.393	96.636%
3	17:03:06	0.159	0.187	8.470	8.354	8.414	96.633%
x		0.183	0.170	8.513	8.302	8.349	96.256%
σ		0.025	0.015	0.037	0.140	0.095	0.655%
%RSD		13.410	8.959	0.433	1.684	1.140	0.681

180-17457-C-3-A 12/29/2012 5:05:16 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:05:58	84.026%	0.006	2076.000	1989.000	0.000	53600.000	99270.000	98850.000
2	17:06:40	83.329%	-0.031	2120.000	2007.000	0.000	50780.000	93370.000	92930.000
3	17:07:21	84.041%	0.006	2177.000	2040.000	0.000	53660.000	99540.000	99610.000
x		83.799%	-0.006	2124.000	2012.000	0.000	52680.000	97400.000	97130.000
σ		0.407%	0.021	50.510	25.860	0.000	1643.000	3489.000	3657.000
%RSD		0.485	329.500	2.378	1.285	0.000	3.119	3.582	3.765

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:05:58	61.110	3948.000	0.000	12180.000	278000.000	321700.000	78.040%	3.972
2	17:06:40	58.810	3739.000	0.000	10940.000	246700.000	283400.000	88.584%	2.800
3	17:07:21	62.860	4034.000	0.000	12190.000	282800.000	322600.000	77.376%	4.405
x		60.920	3907.000	0.000	11770.000	269200.000	309200.000	81.333%	3.726
σ		2.031	151.500	0.000	719.600	19620.000	22330.000	6.288%	0.830
%RSD		3.334	3.877	0.000	6.114	7.287	7.222	7.731	22.290

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:05:58	0.920	0.651	38.890	185.600	598.300	0.537	3.429	1.392
2	17:06:40	1.014	0.697	35.730	162.600	514.000	0.492	2.872	1.304
3	17:07:21	2.016	0.701	38.930	182.100	577.000	0.597	3.545	1.340
x		1.317	0.683	37.850	176.800	563.100	0.542	3.282	1.345
σ		0.607	0.028	1.840	12.390	43.840	0.053	0.360	0.044
%RSD		46.110	4.056	4.861	7.009	7.786	9.785	10.960	3.303

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:05:58	2.389	23.170	24.780	2.256	11.190	11.550	0.000	498.600
2	17:06:40	1.948	22.100	22.000	0.779	7.769	10.490	0.000	495.400
3	17:07:21	2.079	24.650	22.870	1.024	11.720	13.940	0.000	502.000
x		2.139	23.310	23.220	1.353	10.220	11.990	0.000	498.600
σ		0.227	1.283	1.419	0.791	2.143	1.767	0.000	3.306
%RSD		10.600	5.506	6.111	58.490	20.960	14.730	0.000	0.663

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:05:58	78.132%	5.718	5.307	74.385%	0.009	0.009	0.032	-0.131
2	17:06:40	79.519%	5.536	5.739	75.521%	0.003	0.025	0.196	0.123
3	17:07:21	79.007%	5.605	5.690	75.746%	0.003	-0.002	0.123	0.080
x		78.886%	5.620	5.579	75.217%	0.005	0.011	0.117	0.024
σ		0.701%	0.092	0.237	0.730%	0.003	0.013	0.082	0.136
%RSD		0.889	1.633	4.239	0.970	58.360	124.600	70.340	563.500

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:05:58	81.776%	6.935	0.260	0.178	27.550	28.340	88.372%	88.640%
2	17:06:40	82.441%	5.935	0.232	0.189	28.370	28.110	89.528%	90.592%
3	17:07:21	83.670%	5.681	0.213	0.277	27.510	27.670	90.375%	91.571%
x		82.629%	6.184	0.235	0.215	27.810	28.040	89.425%	90.268%
σ		0.960%	0.663	0.023	0.054	0.489	0.338	1.005%	1.492%
%RSD		1.162	10.720	9.963	25.070	1.758	1.206	1.124	1.653

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:05:58	0.135	0.157	0.379	0.468	0.433	84.021%
2	17:06:40	0.122	0.154	0.458	0.375	0.422	84.591%
3	17:07:21	0.114	0.121	0.394	0.457	0.431	85.964%
x		0.123	0.144	0.410	0.433	0.429	84.859%
σ		0.011	0.020	0.042	0.051	0.006	0.999%
%RSD		8.607	13.890	10.270	11.770	1.312	1.177

180-17417-C-1-A 12/29/2012 5:23:05 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:47	83.667%	0.265	14.470	13.490	0.000	2293.000	3626.000	3612.000
2	17:24:29	84.693%	0.006	14.150	14.670	0.000	2282.000	3644.000	3630.000
3	17:25:11	83.027%	0.081	14.420	14.050	0.000	2315.000	3611.000	3662.000
x		83.796%	0.118	14.350	14.070	0.000	2297.000	3627.000	3635.000
σ		0.841%	0.134	0.170	0.587	0.000	16.800	16.210	25.630
%RSD		1.003	113.700	1.183	4.172	0.000	0.732	0.447	0.705

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:47	484.800	4727.000	0.000	988.400	19370.000	19070.000	67.378%	2.528
2	17:24:29	486.600	4754.000	0.000	992.700	19180.000	19100.000	67.969%	1.742
3	17:25:11	492.700	4781.000	0.000	990.200	19250.000	19100.000	67.901%	2.431
x		488.000	4754.000	0.000	990.400	19260.000	19090.000	67.749%	2.234
σ		4.130	26.820	0.000	2.138	96.230	19.150	0.323%	0.428
%RSD		0.846	0.564	0.000	0.216	0.500	0.100	0.477	19.170

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:47	-0.406	0.474	538.000	262.200	339.300	5.173	12.280	9.363
2	17:24:29	-0.620	0.597	545.200	265.000	346.700	5.260	12.720	9.530
3	17:25:11	0.284	0.559	542.100	264.400	361.700	5.395	13.270	9.411
x		-0.247	0.543	541.800	263.900	349.200	5.276	12.760	9.435
σ		0.472	0.063	3.609	1.463	11.410	0.112	0.496	0.086
%RSD		190.900	11.530	0.666	0.554	3.268	2.114	3.890	0.913

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:47	9.816	37.040	38.320	0.674	-1.037	0.041	0.000	45.290
2	17:24:29	9.628	38.810	37.310	0.633	-1.620	0.461	0.000	47.010
3	17:25:11	8.584	40.680	38.340	-0.484	-0.650	0.516	0.000	47.040
x		9.343	38.840	37.990	0.275	-1.102	0.339	0.000	46.450
σ		0.664	1.821	0.590	0.657	0.488	0.260	0.000	1.005
%RSD		7.104	4.688	1.552	239.400	44.290	76.590	0.000	2.163

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:47	70.836%	0.223	0.450	72.316%	0.004	0.010	0.279	0.326
2	17:24:29	71.476%	0.379	0.258	73.715%	0.019	-0.001	0.432	0.249
3	17:25:11	71.566%	0.424	0.296	73.416%	0.009	0.015	0.118	0.169
x		71.293%	0.342	0.335	73.149%	0.011	0.008	0.276	0.248
σ		0.398%	0.106	0.102	0.737%	0.008	0.009	0.157	0.079
%RSD		0.558	30.850	30.390	1.007	71.880	106.500	56.840	31.690

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:47	73.372%	6.906	0.029	-0.004	155.400	150.500	82.679%	84.158%
2	17:24:29	75.073%	6.340	0.028	0.024	155.100	151.900	84.302%	85.286%
3	17:25:11	75.561%	5.878	0.033	0.017	147.300	151.900	84.701%	86.101%
x		74.669%	6.375	0.030	0.013	152.600	151.400	83.894%	85.181%
σ		1.149%	0.515	0.003	0.014	4.619	0.815	1.071%	0.976%
%RSD		1.539	8.082	9.256	114.700	3.027	0.538	1.276	1.145

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:47	0.090	0.082	0.259	0.312	0.283	82.124%
2	17:24:29	0.085	0.070	0.271	0.296	0.273	81.761%
3	17:25:11	0.046	0.069	0.272	0.271	0.289	80.517%
x		0.074	0.074	0.267	0.293	0.282	81.467%
σ		0.024	0.007	0.007	0.021	0.008	0.843%
%RSD		32.880	10.020	2.650	7.079	2.828	1.035

CRI 667994 12/29/2012 5:30:55 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:31:36	75.068%	0.748	4.187	6.857	0.000	60.340	80.980	80.520
2	17:32:18	76.333%	0.938	6.605	6.543	0.000	58.580	76.700	83.230
3	17:33:00	76.124%	0.738	6.764	6.322	0.000	60.200	81.480	82.430
x		75.842%	80.816%	117.039%	131.475%	0.000	74.633%	79.718%	82.060%
σ		0.678%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.894	13.960	24.680	4.089	0.000	1.642	3.297	1.702
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:31:36	27.650	478.600	0.000	88.400	128.400	106.800	64.601%	4.809
2	17:32:18	25.760	484.000	0.000	86.770	107.500	102.500	64.648%	4.323
3	17:33:00	27.270	485.700	0.000	86.750	154.900	105.600	65.080%	5.169
x		89.650%	96.552%	0.000	87.306%	130.269%	104.982%	64.776%	95.339%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.264%	n/a
%RSD		3.725	0.762	0.000	1.086	18.210	2.101	0.407	8.897
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:31:36	0.622	1.845	5.284	44.650	59.270	0.578	1.106	2.255
2	17:32:18	0.759	1.964	5.001	45.390	56.630	0.447	1.236	1.919
3	17:33:00	0.885	1.982	5.328	44.360	50.520	0.478	0.989	2.236
x		75.541%	96.527%	104.090%	89.602%	110.944%	100.206%	111.024%	106.842%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		17.420	3.849	3.408	1.185	8.091	13.680	11.120	8.831
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:31:36	2.028	5.215	5.646	1.053	4.744	3.964	0.000	4.825
2	17:32:18	1.787	4.795	4.882	1.438	4.425	5.263	0.000	4.922
3	17:33:00	2.052	6.125	4.990	0.725	3.880	6.068	0.000	4.871
x		97.788%	107.562%	103.457%	107.182%	86.998%	101.966%	0.000	97.457%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		7.485	12.640	7.998	33.300	10.050	20.830	0.000	0.995
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:31:36	66.936%	4.959	4.390	69.839%	0.968	1.007	0.947	0.772
2	17:32:18	67.166%	4.803	4.986	71.022%	1.094	0.905	0.886	1.071
3	17:33:00	68.182%	4.708	4.520	71.134%	0.915	1.058	0.758	1.128
x		67.428%	96.472%	92.636%	70.665%	99.227%	99.007%	86.361%	99.067%
σ		0.663%	n/a	n/a	0.718%	n/a	n/a	n/a	n/a
%RSD		0.984	2.628	6.766	1.015	9.281	7.844	11.160	19.300
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:31:36	70.137%	7.270	1.959	1.919	10.930	9.690	77.676%	78.869%
2	17:32:18	70.901%	7.277	1.984	2.079	10.150	9.455	78.648%	79.352%
3	17:33:00	70.725%	7.498	2.002	1.987	9.950	10.350	78.215%	79.615%
x		70.587%	146.966%	99.087%	99.751%	103.435%	98.322%	78.180%	79.279%
σ		0.400%	n/a	n/a	n/a	n/a	n/a	0.487%	0.379%
%RSD		0.567	1.762	1.093	4.029	5.013	4.730	0.623	0.478
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	17:31:36	1.147	1.105	1.134	1.058	1.084	73.258%		
2	17:32:18	1.034	1.089	1.116	1.152	1.077	73.856%		
3	17:33:00	1.228	1.113	0.991	0.996	1.057	74.285%		
x		113.591%	110.231%	108.044%	106.860%	107.268%	73.800%		
σ		n/a	n/a	n/a	n/a	n/a	0.516%		
%RSD		8.585	1.095	7.189	7.320	1.280	0.699		

CCV 664806 12/29/2012 5:35:11 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:35:53	72.844%	108.700	114.900	103.800	0.000	51350.000	44720.000	45070.000
2	17:36:34	74.030%	104.800	103.200	103.600	0.000	50950.000	45320.000	45520.000
3	17:37:16	75.622%	106.700	107.100	105.900	0.000	50970.000	45460.000	45730.000
x		74.165%	106.744%	108.413%	104.432%	0.000	102.178%	90.335%	90.879%
σ		1.394%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.880	1.851	5.510	1.218	0.000	0.447	0.866	0.748

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:35:53	503.300	5138.000	0.000	52290.000	53100.000	51580.000	70.174%	107.300
2	17:36:34	502.600	5157.000	0.000	51580.000	52120.000	51750.000	71.529%	102.800
3	17:37:16	509.100	5155.000	0.000	51720.000	53060.000	52610.000	72.216%	108.900
x		100.999%	103.000%	0.000	103.719%	105.523%	103.955%	71.306%	106.322%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.039%	n/a
%RSD		0.712	0.198	0.000	0.725	1.051	1.062	1.457	2.989

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:35:53	102.000	103.700	512.000	26170.000	25630.000	103.200	103.400	102.700
2	17:36:34	104.400	104.400	518.900	25740.000	26030.000	101.800	103.900	103.100
3	17:37:16	104.000	104.700	525.600	25840.000	26180.000	103.300	106.700	102.700
x		103.497%	104.295%	103.768%	103.669%	103.784%	102.809%	104.632%	102.803%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.233	0.503	1.317	0.872	1.080	0.818	1.700	0.216

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:35:53	98.850	105.200	105.700	100.600	99.860	101.100	0.000	99.250
2	17:36:34	103.800	106.600	103.800	100.600	100.500	101.400	0.000	100.400
3	17:37:16	99.860	103.600	107.900	98.920	96.530	101.400	0.000	99.870
x		100.833%	105.101%	105.788%	100.057%	98.965%	101.300%	0.000	99.848%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		2.582	1.432	1.968	0.985	2.159	0.151	0.000	0.592

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:35:53	76.276%	99.560	100.500	74.123%	99.860	99.720	101.500	99.830
2	17:36:34	78.224%	103.200	101.600	76.682%	100.400	98.260	97.640	99.420
3	17:37:16	80.003%	103.300	104.200	78.750%	98.780	98.800	100.600	98.840
x		78.168%	102.009%	102.073%	76.518%	99.694%	98.925%	99.888%	99.361%
σ		1.864%	n/a	n/a	2.318%	n/a	n/a	n/a	n/a
%RSD		2.385	2.078	1.855	3.029	0.848	0.744	1.997	0.498

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:35:53	77.626%	101.200	100.000	102.700	95.930	96.480	83.675%	84.793%
2	17:36:34	82.162%	98.680	100.300	99.970	96.460	96.180	87.465%	88.484%
3	17:37:16	83.320%	100.600	101.400	101.700	99.760	98.690	89.180%	91.039%
x		81.036%	100.148%	100.564%	101.480%	97.386%	97.116%	86.774%	88.105%
σ		3.010%	n/a	n/a	n/a	n/a	n/a	2.817%	3.140%
%RSD		3.714	1.309	0.764	1.379	2.129	1.416	3.246	3.564

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:35:53	98.600	98.620	100.000	98.990	100.100	84.294%
2	17:36:34	100.800	100.100	101.400	101.200	101.300	87.838%
3	17:37:16	101.400	100.500	101.400	101.300	101.500	89.336%
x		100.272%	99.760%	100.944%	100.509%	100.971%	87.156%
σ		n/a	n/a	n/a	n/a	n/a	2.589%
%RSD		1.472	1.009	0.780	1.313	0.730	2.971

CCB2 12/29/2012 5:42:19 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:43:01	80.154%	-0.031	1.034	0.832	0.000	-22.560	3.753	4.441
2	17:43:43	82.577%	-0.031	2.182	1.233	0.000	-21.150	4.989	4.871
3	17:44:24	80.450%	-0.031	0.616	1.335	0.000	-14.730	7.094	8.129
x		81.060%	-0.031	1.277	1.133	0.000	-19.480	5.279	5.814
σ		1.322%	0.000	0.811	0.266	0.000	4.172	1.689	2.016
%RSD		1.630	0.000	63.500	23.450	0.000	21.420	32.000	34.680

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:43:01	-4.162	3.944	0.000	6.817	25.390	2.377	79.295%	0.044
2	17:43:43	-3.951	3.140	0.000	8.336	8.310	10.790	79.698%	-0.022
3	17:44:24	-3.670	4.298	0.000	10.870	42.050	14.800	79.946%	-0.022
x		-3.928	3.794	0.000	8.675	25.250	9.322	79.647%	-0.000
σ		0.247	0.594	0.000	2.049	16.870	6.340	0.329%	0.038
%RSD		6.281	15.650	0.000	23.620	66.810	68.010	0.413	18690.000

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:43:01	0.036	0.006	0.032	14.670	18.010	-0.012	0.058	0.042
2	17:43:43	-0.029	0.016	0.027	9.817	14.000	0.000	0.100	-0.027
3	17:44:24	-0.020	-0.026	0.064	8.752	11.040	-0.008	0.013	0.067
x		-0.004	-0.001	0.041	11.080	14.350	-0.007	0.057	0.028
σ		0.035	0.022	0.020	3.152	3.496	0.006	0.044	0.049
%RSD		883.700	2271.000	48.620	28.450	24.360	93.990	76.090	176.400

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:43:01	0.087	0.398	0.279	-0.179	-0.215	-0.325	0.000	0.012
2	17:43:43	-0.092	0.700	0.338	-0.361	-1.274	-1.767	0.000	0.021
3	17:44:24	0.081	0.626	0.545	0.005	0.334	0.036	0.000	0.041
x		0.025	0.575	0.388	-0.179	-0.385	-0.686	0.000	0.025
σ		0.102	0.158	0.140	0.183	0.818	0.954	0.000	0.015
%RSD		401.100	27.460	36.050	102.400	212.500	139.100	0.000	59.340

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:43:01	77.311%	0.333	0.298	81.743%	0.021	0.013	0.078	0.046
2	17:43:43	79.061%	0.173	0.253	83.604%	0.016	0.037	-0.001	-0.107
3	17:44:24	78.970%	0.134	0.142	83.243%	0.012	0.018	0.143	0.080
x		78.447%	0.214	0.231	82.863%	0.017	0.023	0.073	0.006
σ		0.985%	0.106	0.080	0.987%	0.005	0.013	0.072	0.100
%RSD		1.256	49.430	34.810	1.191	29.150	56.880	98.080	1616.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:43:01	84.823%	0.591	0.032	0.019	-0.092	-0.020	87.038%	88.147%
2	17:43:43	85.896%	0.838	0.036	0.024	-0.117	-0.050	88.367%	89.493%
3	17:44:24	86.255%	0.217	0.046	-0.001	-0.016	-0.035	88.405%	90.358%
x		85.658%	0.549	0.038	0.014	-0.075	-0.035	87.936%	89.332%
σ		0.745%	0.313	0.007	0.013	0.053	0.015	0.778%	1.114%
%RSD		0.870	56.940	18.490	96.040	70.300	43.330	0.885	1.247

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:43:01	0.053	0.037	0.017	0.013	0.025	90.615%
2	17:43:43	0.038	0.054	0.014	0.028	0.023	91.831%
3	17:44:24	0.041	0.049	0.023	0.001	0.022	92.347%
x		0.044	0.047	0.018	0.014	0.023	91.598%
σ		0.008	0.009	0.005	0.013	0.001	0.889%
%RSD		17.920	18.640	26.960	95.580	5.405	0.971

MB 180-58541/1-A 12/29/2012 5:46:37 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:19	84.245%	-0.031	1.476	1.410	0.000	-4.745	0.147	0.581
2	17:48:00	86.099%	-0.031	0.394	1.137	0.000	-2.510	-0.915	-0.066
3	17:48:42	87.196%	-0.031	0.761	1.189	0.000	-4.835	-0.382	-0.419
x		85.847%	-0.031	0.877	1.246	0.000	-4.030	-0.383	0.032
σ		1.492%	0.000	0.550	0.145	0.000	1.317	0.531	0.507
%RSD		1.738	0.000	62.740	11.640	0.000	32.680	138.600	1585.000

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:19	-3.998	4.764	0.000	15.040	20.120	3.329	77.664%	0.113
2	17:48:00	-4.266	4.323	0.000	13.710	25.740	5.337	78.014%	0.112
3	17:48:42	-4.097	5.646	0.000	14.040	31.400	8.069	78.151%	-0.021
x		-4.120	4.911	0.000	14.260	25.750	5.578	77.943%	0.068
σ		0.135	0.674	0.000	0.695	5.640	2.379	0.251%	0.077
%RSD		3.284	13.720	0.000	4.870	21.900	42.650	0.322	113.300

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:19	-0.781	0.066	0.014	4.422	8.685	-0.020	0.103	0.106
2	17:48:00	-0.665	0.108	-0.011	2.579	5.890	-0.024	0.014	0.249
3	17:48:42	-0.855	0.132	-0.011	2.067	6.020	-0.033	0.123	0.027
x		-0.767	0.102	-0.003	3.023	6.865	-0.026	0.080	0.128
σ		0.095	0.033	0.015	1.239	1.578	0.006	0.058	0.112
%RSD		12.430	32.550	502.800	40.970	22.980	24.760	72.570	88.200

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:19	-0.024	1.129	1.292	0.147	-0.522	0.568	0.000	0.043
2	17:48:00	-0.092	0.773	0.856	0.638	-0.941	-0.290	0.000	-0.007
3	17:48:42	-0.027	1.063	1.306	-0.303	-0.694	-1.280	0.000	-0.005
x		-0.047	0.989	1.151	0.161	-0.719	-0.334	0.000	0.010
σ		0.039	0.189	0.256	0.471	0.211	0.925	0.000	0.028
%RSD		81.330	19.160	22.210	293.100	29.280	276.700	0.000	275.100

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:19	79.455%	0.018	-0.005	80.532%	0.008	-0.002	-0.014	-0.113
2	17:48:00	80.896%	-0.106	-0.034	81.389%	0.017	-0.007	0.023	-0.054
3	17:48:42	80.769%	0.053	0.014	81.657%	0.003	0.003	0.108	0.047
x		80.373%	-0.012	-0.008	81.193%	0.009	-0.002	0.039	-0.040
σ		0.798%	0.083	0.024	0.588%	0.007	0.005	0.062	0.081
%RSD		0.993	707.900	293.600	0.724	78.420	251.400	159.900	201.700

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:19	83.733%	4.080	0.003	-0.007	-0.117	-0.035	86.909%	88.429%
2	17:48:00	84.717%	2.662	-0.003	-0.014	-0.066	-0.035	89.556%	90.427%
3	17:48:42	86.100%	3.328	0.007	-0.020	-0.117	-0.065	90.084%	91.443%
x		84.850%	3.357	0.002	-0.013	-0.100	-0.045	88.850%	90.100%
σ		1.189%	0.709	0.005	0.007	0.029	0.017	1.701%	1.533%
%RSD		1.402	21.130	211.400	49.510	29.280	38.650	1.915	1.702

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:19	0.034	0.031	0.013	0.012	0.014	94.012%
2	17:48:00	0.034	0.031	0.013	0.004	0.008	93.645%
3	17:48:42	0.021	0.045	-0.000	-0.007	0.008	92.860%
x		0.030	0.036	0.008	0.003	0.010	93.505%
σ		0.008	0.008	0.007	0.009	0.004	0.589%
%RSD		25.220	21.940	87.410	287.100	36.240	0.630

LCS 180-58541/2-A 12/29/2012 5:50:52 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:33	103.977%	51.310	1060.000	1022.000	0.000	48270.000	42920.000	43160.000
2	17:52:15	107.535%	51.100	1069.000	1023.000	0.000	47860.000	43230.000	47840.000
3	17:52:57	109.998%	55.340	1069.000	1027.000	0.000	47470.000	43250.000	43550.000
x		107.170%	52.580	1066.000	1024.000	0.000	47870.000	43130.000	44850.000
σ		3.027%	2.388	4.779	2.662	0.000	404.500	185.400	2595.000
%RSD		2.825	4.541	0.448	0.260	0.000	0.845	0.430	5.786

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:33	1850.000	9373.000	0.000	48640.000	49180.000	49420.000	84.266%	997.200
2	17:52:15	1865.000	9468.000	0.000	48290.000	50570.000	49700.000	86.272%	999.000
3	17:52:57	1856.000	9472.000	0.000	47940.000	49710.000	50080.000	87.273%	1008.000
x		1857.000	9437.000	0.000	48290.000	49820.000	49740.000	85.937%	1001.000
σ		7.470	56.140	0.000	349.000	701.800	334.700	1.532%	5.746
%RSD		0.402	0.595	0.000	0.723	1.409	0.673	1.782	0.574

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:33	481.900	201.200	500.800	825.900	1087.000	493.300	490.100	238.900
2	17:52:15	487.000	203.800	506.900	835.800	1099.000	499.800	494.600	240.700
3	17:52:57	492.000	204.000	509.700	840.500	1090.000	501.000	494.800	242.700
x		487.000	203.000	505.800	834.000	1092.000	498.000	493.200	240.800
σ		5.068	1.592	4.577	7.475	6.375	4.106	2.627	1.889
%RSD		1.041	0.784	0.905	0.896	0.584	0.825	0.533	0.785

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:33	240.600	482.000	496.000	38.510	8.944	7.230	0.000	1034.000
2	17:52:15	241.000	493.200	497.300	35.560	7.752	7.705	0.000	1048.000
3	17:52:57	242.900	496.800	496.500	36.310	10.170	9.399	0.000	1058.000
x		241.500	490.600	496.600	36.800	8.957	8.112	0.000	1047.000
σ		1.227	7.726	0.627	1.531	1.211	1.140	0.000	12.350
%RSD		0.508	1.575	0.126	4.160	13.520	14.060	0.000	1.180

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:33	79.017%	1063.000	1060.000	82.046%	48.070	47.750	47.950	40.890
2	17:52:15	81.376%	1078.000	1074.000	84.455%	49.350	48.450	47.370	38.600
3	17:52:57	81.616%	1082.000	1077.000	86.419%	47.670	47.450	47.820	38.970
x		80.670%	1074.000	1070.000	84.307%	48.360	47.880	47.710	39.480
σ		1.436%	10.210	9.119	2.190%	0.880	0.509	0.305	1.227
%RSD		1.780	0.950	0.852	2.598	1.820	1.062	0.639	3.108

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:33	88.299%	2093.000	490.400	487.700	1890.000	1873.000	96.352%	97.739%
2	17:52:15	91.460%	2092.000	493.600	493.000	1908.000	1898.000	99.614%	101.079%
3	17:52:57	92.743%	2082.000	495.600	495.400	1920.000	1894.000	101.272%	102.501%
x		90.834%	2089.000	493.200	492.000	1906.000	1889.000	99.080%	100.440%
σ		2.287%	5.919	2.626	3.955	15.520	13.360	2.503%	2.444%
%RSD		2.518	0.283	0.532	0.804	0.814	0.707	2.527	2.434

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:33	49.680	47.680	20.360	20.230	20.380	92.643%
2	17:52:15	50.120	48.210	20.770	20.360	20.610	96.771%
3	17:52:57	49.570	49.440	20.980	20.660	20.640	97.884%
x		49.790	48.450	20.700	20.420	20.540	95.766%
σ		0.293	0.903	0.315	0.221	0.145	2.762%
%RSD		0.589	1.863	1.523	1.081	0.708	2.884

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:55:47	110.431%	51.890	1102.000	1036.000	0.000	47740.000	43040.000	43270.000
2	17:56:28	113.989%	53.670	1092.000	1029.000	0.000	46760.000	42580.000	42940.000
3	17:57:10	116.091%	51.700	1087.000	1029.000	0.000	46520.000	42680.000	46600.000
x		113.503%	52.420	1094.000	1031.000	0.000	47010.000	42760.000	44270.000
σ		2.861%	1.086	7.602	4.072	0.000	649.300	240.800	2027.000
%RSD		2.520	2.071	0.695	0.395	0.000	1.381	0.563	4.578

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:55:47	1855.000	9355.000	0.000	47690.000	49640.000	49340.000	88.630%	1002.000
2	17:56:28	1844.000	9264.000	0.000	46520.000	48960.000	48840.000	91.000%	979.100
3	17:57:10	1846.000	9295.000	0.000	46940.000	49640.000	49430.000	90.852%	982.500
x		1848.000	9305.000	0.000	47050.000	49410.000	49200.000	90.160%	987.900
σ		6.062	45.900	0.000	592.400	389.300	313.900	1.327%	12.320
%RSD		0.328	0.493	0.000	1.259	0.788	0.638	1.472	1.247

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:55:47	480.700	201.500	502.700	822.600	1085.000	498.200	486.600	239.500
2	17:56:28	479.300	200.400	503.700	818.900	1090.000	490.700	484.200	238.300
3	17:57:10	482.700	201.500	503.800	818.200	1105.000	491.100	484.000	236.800
x		480.900	201.200	503.400	819.900	1093.000	493.300	484.900	238.200
σ		1.705	0.645	0.602	2.367	10.300	4.237	1.438	1.366
%RSD		0.355	0.321	0.120	0.289	0.942	0.859	0.297	0.574

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:55:47	245.400	472.600	480.100	36.100	7.943	8.645	0.000	1024.000
2	17:56:28	236.000	475.100	483.200	33.650	9.718	10.290	0.000	1036.000
3	17:57:10	236.100	480.600	496.800	33.970	8.686	7.699	0.000	1029.000
x		239.200	476.100	486.700	34.570	8.782	8.879	0.000	1030.000
σ		5.383	4.116	8.847	1.334	0.892	1.312	0.000	6.260
%RSD		2.251	0.865	1.818	3.858	10.150	14.780	0.000	0.608

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:55:47	84.256%	1066.000	1061.000	85.310%	48.910	48.290	49.320	40.080
2	17:56:28	85.887%	1072.000	1078.000	87.507%	50.420	48.640	49.290	38.750
3	17:57:10	87.101%	1073.000	1059.000	88.107%	49.200	48.900	48.160	39.780
x		85.748%	1071.000	1066.000	86.975%	49.510	48.610	48.920	39.540
σ		1.428%	3.720	10.030	1.473%	0.804	0.307	0.661	0.698
%RSD		1.665	0.348	0.941	1.693	1.624	0.632	1.351	1.764

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:55:47	91.365%	2086.000	499.600	498.300	1945.000	1918.000	99.022%	101.630%
2	17:56:28	95.204%	2063.000	494.100	496.200	1931.000	1908.000	102.365%	105.043%
3	17:57:10	96.184%	2057.000	494.700	495.900	1916.000	1914.000	103.628%	105.689%
x		94.251%	2069.000	496.100	496.800	1931.000	1913.000	101.672%	104.121%
σ		2.547%	15.400	2.999	1.318	14.470	5.072	2.380%	2.181%
%RSD		2.702	0.745	0.604	0.265	0.749	0.265	2.341	2.094

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:55:47	51.420	50.260	21.130	20.860	20.940	95.794%
2	17:56:28	51.950	50.100	20.450	21.090	20.870	99.959%
3	17:57:10	51.120	50.420	20.970	20.960	21.020	101.246%
x		51.500	50.260	20.850	20.970	20.940	99.000%
σ		0.419	0.163	0.353	0.116	0.078	2.850%
%RSD		0.814	0.325	1.695	0.552	0.372	2.879

180-17111-A-22-B @10 12/29/2012 5:59:19 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:00:00	82.249%	7.227	2126.000	2072.000	0.000	15430.000	7084.000	7111.000
2	18:00:42	81.833%	7.910	2169.000	2100.000	0.000	15470.000	7144.000	7178.000
3	18:01:24	82.695%	6.869	2180.000	2085.000	0.000	15280.000	7089.000	7079.000
x		82.259%	7.335	2158.000	2086.000	0.000	15390.000	7106.000	7123.000
σ		0.431%	0.529	28.630	14.200	0.000	97.110	33.420	50.220
%RSD		0.524	7.213	1.326	0.681	0.000	0.631	0.470	0.705

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:00:00	7652.000	7105.000	0.000	14370.000	495200.000	568100.000	75.290%	3.711
2	18:00:42	7759.000	7167.000	0.000	14370.000	505100.000	572600.000	73.745%	2.097
3	18:01:24	7688.000	7144.000	0.000	14250.000	501800.000	569800.000	73.867%	2.023
x		7700.000	7139.000	0.000	14330.000	500700.000	570200.000	74.301%	2.610
σ		54.310	31.470	0.000	68.230	5036.000	2228.000	0.859%	0.954
%RSD		0.705	0.441	0.000	0.476	1.006	0.391	1.156	36.540

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:00:00	-0.002	9.339	222.200	592.300	1359.000	12.140	35.370	196.700
2	18:00:42	-0.428	9.184	227.400	601.100	1374.000	12.750	37.930	201.100
3	18:01:24	-0.065	9.485	225.600	599.800	1362.000	12.190	37.510	198.600
x		-0.165	9.336	225.100	597.700	1365.000	12.360	36.940	198.800
σ		0.230	0.150	2.615	4.777	7.856	0.339	1.373	2.183
%RSD		139.000	1.610	1.162	0.799	0.576	2.746	3.717	1.098

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:00:00	193.600	190.400	200.300	5.114	-1.469	15.550	0.000	4536.000
2	18:00:42	196.700	195.000	199.900	4.095	-1.980	15.370	0.000	4604.000
3	18:01:24	198.200	196.500	198.200	6.018	-0.769	18.570	0.000	4606.000
x		196.200	193.900	199.500	5.076	-1.406	16.500	0.000	4582.000
σ		2.358	3.157	1.090	0.962	0.608	1.799	0.000	39.490
%RSD		1.202	1.628	0.546	18.950	43.280	10.900	0.000	0.862

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:00:00	0.000	9.472	9.635	72.943%	0.158	0.157	13.590	12.550
2	18:00:42	0.000	8.527	7.814	72.967%	0.065	0.064	12.950	13.350
3	18:01:24	0.000	6.665	7.213	72.546%	0.035	0.053	13.900	14.040
x		0.000	8.221	8.221	72.819%	0.086	0.091	13.480	13.320
σ		0.000	1.428	1.261	0.236%	0.064	0.057	0.484	0.746
%RSD		0.000	17.370	15.340	0.324	74.640	62.520	3.588	5.599

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:00:00	79.146%	10.150	2.011	2.127	69.010	68.960	88.723%	91.361%
2	18:00:42	80.246%	7.105	1.635	1.618	65.780	67.290	89.295%	91.819%
3	18:01:24	79.038%	7.519	1.444	1.325	68.910	66.620	90.416%	91.736%
x		79.476%	8.259	1.697	1.690	67.900	67.630	89.478%	91.639%
σ		0.668%	1.654	0.288	0.406	1.835	1.203	0.861%	0.244%
%RSD		0.841	20.020	16.990	23.990	2.703	1.779	0.963	0.266

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:00:00	23.760	23.480	8.189	8.182	8.128	78.210%
2	18:00:42	23.600	23.950	8.397	7.736	7.954	80.481%
3	18:01:24	23.820	23.760	8.037	8.004	8.066	80.674%
x		23.720	23.730	8.208	7.974	8.050	79.788%
σ		0.111	0.238	0.181	0.225	0.088	1.370%
%RSD		0.469	1.002	2.201	2.819	1.097	1.717

180-17111-A-22-B SD@50 12/29/2012 6:03:33 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:04:15	78.543%	0.980	446.200	445.100	0.000	2739.000	1449.000	1461.000
2	18:04:57	79.822%	1.004	464.100	443.600	0.000	2745.000	1475.000	1446.000
3	18:05:38	79.851%	1.615	444.100	437.900	0.000	2696.000	1435.000	1434.000
x		79.405%	1.199	451.500	442.200	0.000	2727.000	1453.000	1447.000
σ		0.747%	0.360	10.990	3.803	0.000	26.720	20.180	13.260
%RSD		0.941	30.040	2.434	0.860	0.000	0.980	1.389	0.916

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:04:15	1497.000	1424.000	0.000	2475.000	99560.000	99010.000	74.727%	1.090
2	18:04:57	1483.000	1407.000	0.000	2476.000	99930.000	99730.000	74.062%	0.541
3	18:05:38	1497.000	1403.000	0.000	2457.000	98990.000	99930.000	74.399%	0.678
x		1492.000	1411.000	0.000	2469.000	99490.000	99560.000	74.396%	0.770
σ		8.300	11.420	0.000	10.830	474.500	483.300	0.332%	0.286
%RSD		0.556	0.809	0.000	0.439	0.477	0.486	0.447	37.150

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:04:15	0.194	2.051	43.990	128.600	309.700	2.635	8.030	42.010
2	18:04:57	0.147	2.023	45.330	125.000	290.300	2.690	7.196	41.160
3	18:05:38	-0.217	1.969	44.390	121.100	289.600	2.510	7.402	42.410
x		0.041	2.014	44.570	124.900	296.500	2.612	7.543	41.860
σ		0.225	0.042	0.686	3.780	11.400	0.093	0.435	0.638
%RSD		545.400	2.062	1.539	3.027	3.845	3.544	5.760	1.524

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:04:15	43.040	41.480	40.100	0.224	-1.258	1.204	0.000	794.500
2	18:04:57	41.750	40.770	41.030	0.524	-0.038	1.747	0.000	804.200
3	18:05:38	40.960	39.980	42.770	1.043	-1.033	3.265	0.000	802.600
x		41.920	40.740	41.300	0.597	-0.777	2.072	0.000	800.400
σ		1.053	0.748	1.357	0.415	0.649	1.068	0.000	5.222
%RSD		2.512	1.835	3.286	69.470	83.610	51.570	0.000	0.652

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:04:15	80.221%	1.855	1.823	75.349%	0.049	0.036	2.881	2.415
2	18:04:57	81.126%	1.299	1.805	76.340%	0.028	0.025	2.896	2.614
3	18:05:38	81.196%	1.606	1.344	76.742%	0.008	0.025	2.226	2.560
x		80.848%	1.587	1.658	76.144%	0.028	0.028	2.668	2.529
σ		0.544%	0.279	0.272	0.717%	0.020	0.006	0.382	0.103
%RSD		0.673	17.550	16.380	0.942	71.190	22.830	14.330	4.069

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:04:15	79.866%	3.655	0.462	0.670	14.460	14.350	85.712%	87.174%
2	18:04:57	81.074%	3.229	0.517	0.340	13.240	13.780	86.583%	87.950%
3	18:05:38	81.372%	2.504	0.334	0.299	14.020	14.120	87.463%	88.468%
x		80.771%	3.129	0.437	0.436	13.910	14.080	86.586%	87.864%
σ		0.798%	0.582	0.094	0.203	0.617	0.287	0.875%	0.651%
%RSD		0.988	18.610	21.480	46.610	4.437	2.036	1.011	0.741

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:04:15	5.269	5.241	1.576	1.749	1.631	81.697%
2	18:04:57	4.940	5.177	1.624	1.578	1.559	84.028%
3	18:05:38	5.189	4.973	1.503	1.610	1.499	85.583%
x		5.133	5.130	1.567	1.645	1.563	83.769%
σ		0.172	0.140	0.061	0.091	0.066	1.956%
%RSD		3.343	2.724	3.892	5.524	4.226	2.335

180-17111-A-25-B @10 12/29/2012 6:07:48 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:30	86.922%	0.004	1419.000	1373.000	0.000	15470.000	964.200	946.400
2	18:09:12	88.332%	-0.031	1427.000	1402.000	0.000	15520.000	976.400	977.300
3	18:09:53	90.363%	0.003	1424.000	1396.000	0.000	15310.000	958.800	959.000
x		88.539%	-0.008	1423.000	1391.000	0.000	15430.000	966.500	960.900
σ		1.730%	0.020	3.870	15.170	0.000	111.500	8.980	15.530
%RSD		1.954	259.200	0.272	1.091	0.000	0.723	0.929	1.616

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:30	193.300	104.300	0.000	14340.000	466900.000	542200.000	82.160%	0.481
2	18:09:12	200.900	105.700	0.000	14350.000	468800.000	538500.000	84.348%	0.712
3	18:09:53	193.200	105.500	0.000	14230.000	465000.000	535800.000	85.841%	0.396
x		195.800	105.200	0.000	14310.000	466900.000	538800.000	84.116%	0.530
σ		4.425	0.772	0.000	65.030	1900.000	3208.000	1.851%	0.164
%RSD		2.260	0.733	0.000	0.455	0.407	0.596	2.201	30.900

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:30	22.690	8.960	0.279	28.660	639.500	0.335	-0.014	0.462
2	18:09:12	22.610	9.158	0.485	32.690	639.200	0.380	-0.181	0.343
3	18:09:53	22.440	9.235	0.376	30.870	629.300	0.311	0.158	0.319
x		22.580	9.118	0.380	30.740	636.000	0.342	-0.012	0.375
σ		0.130	0.142	0.103	2.020	5.806	0.035	0.170	0.076
%RSD		0.577	1.556	27.120	6.573	0.913	10.160	1387.000	20.400

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:30	0.794	0.509	0.587	14.670	18.260	30.870	0.000	4061.000
2	18:09:12	0.991	0.959	0.982	15.190	14.320	32.880	0.000	4887.000
3	18:09:53	0.767	0.510	0.847	13.520	13.580	31.050	0.000	4138.000
x		0.851	0.659	0.805	14.460	15.390	31.600	0.000	4362.000
σ		0.123	0.259	0.201	0.854	2.517	1.109	0.000	455.900
%RSD		14.400	39.370	24.960	5.905	16.360	3.508	0.000	10.450

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:30	84.132%	325.600	329.400	80.691%	0.026	0.003	0.121	0.135
2	18:09:12	86.002%	337.100	340.600	83.598%	0.030	0.042	0.170	0.132
3	18:09:53	88.029%	334.400	341.600	84.788%	0.020	0.017	-0.105	-0.113
x		86.055%	332.300	337.200	83.026%	0.025	0.020	0.062	0.051
σ		1.949%	6.015	6.766	2.108%	0.005	0.020	0.147	0.142
%RSD		2.265	1.810	2.007	2.538	19.160	95.530	236.400	277.800

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:30	85.576%	3.466	2.115	2.327	199.600	202.100	92.976%	93.652%
2	18:09:12	87.619%	3.595	2.125	2.084	207.400	203.700	96.248%	97.690%
3	18:09:53	90.702%	4.119	2.285	2.020	199.600	201.500	97.469%	98.464%
x		87.966%	3.727	2.175	2.144	202.200	202.400	95.564%	96.602%
σ		2.581%	0.346	0.095	0.162	4.487	1.124	2.323%	2.584%
%RSD		2.934	9.283	4.373	7.571	2.219	0.555	2.431	2.675

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:30	1.457	1.400	0.028	0.025	0.017	89.503%
2	18:09:12	1.517	1.467	0.007	0.050	0.034	91.363%
3	18:09:53	1.422	1.395	0.007	0.009	0.023	92.056%
x		1.466	1.421	0.014	0.028	0.025	90.974%
σ		0.048	0.040	0.012	0.021	0.009	1.320%
%RSD		3.284	2.842	88.840	75.330	35.890	1.451

180-17111-A-26-B @10 12/29/2012 6:12:03 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:12:44	89.871%	-0.031	148.800	147.300	0.000	15210.000	19.940	19.200
2	18:13:26	91.825%	0.003	148.200	143.500	0.000	15200.000	19.070	19.920
3	18:14:08	92.848%	0.068	153.000	142.300	0.000	15130.000	22.700	20.650
x		91.515%	0.013	150.000	144.400	0.000	15180.000	20.570	19.920
σ		1.513%	0.050	2.576	2.599	0.000	40.790	1.893	0.725
%RSD		1.653	378.800	1.717	1.800	0.000	0.269	9.200	3.639

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:12:44	2.053	45.020	0.000	14380.000	295900.000	343800.000	88.811%	0.205
2	18:13:26	2.324	45.220	0.000	14390.000	298900.000	343600.000	89.773%	0.086
3	18:14:08	2.340	44.420	0.000	14420.000	298100.000	344800.000	90.269%	0.143
x		2.239	44.890	0.000	14400.000	297600.000	344100.000	89.618%	0.145
σ		0.161	0.414	0.000	21.750	1562.000	609.600	0.741%	0.059
%RSD		7.205	0.922	0.000	0.151	0.525	0.177	0.827	41.160

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:12:44	0.755	13.110	0.370	34.350	451.000	0.250	0.466	0.366
2	18:13:26	1.144	12.850	0.406	33.760	427.500	0.275	1.312	0.252
3	18:14:08	1.755	13.710	0.379	35.370	420.100	0.272	0.652	0.356
x		1.218	13.220	0.385	34.490	432.900	0.266	0.810	0.325
σ		0.504	0.443	0.019	0.811	16.170	0.014	0.445	0.063
%RSD		41.380	3.350	4.948	2.351	3.735	5.107	54.920	19.490

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:12:44	0.739	1.367	2.022	8.409	-0.941	18.300	0.000	3993.000
2	18:13:26	0.683	1.672	1.168	8.719	0.062	18.510	0.000	4707.000
3	18:14:08	0.467	1.528	2.353	8.130	-0.936	16.690	0.000	4690.000
x		0.630	1.522	1.848	8.419	-0.605	17.840	0.000	4463.000
σ		0.144	0.153	0.611	0.295	0.578	0.998	0.000	407.300
%RSD		22.790	10.040	33.090	3.504	95.460	5.595	0.000	9.125

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:12:44	89.604%	291.500	291.000	87.293%	0.007	0.021	0.131	0.050
2	18:13:26	91.960%	294.800	297.300	89.694%	0.027	0.016	0.417	0.233
3	18:14:08	93.060%	291.600	297.000	90.941%	0.031	0.002	0.163	0.050
x		91.541%	292.700	295.100	89.309%	0.022	0.013	0.237	0.111
σ		1.766%	1.889	3.577	1.854%	0.013	0.010	0.157	0.106
%RSD		1.929	0.645	1.212	2.076	61.010	76.110	66.090	95.060

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:12:44	91.566%	3.493	0.129	0.151	267.500	270.400	96.314%	97.234%
2	18:13:26	93.750%	2.987	0.125	0.106	270.600	268.500	100.421%	99.879%
3	18:14:08	95.221%	3.689	0.088	0.160	264.100	273.500	100.943%	102.170%
x		93.512%	3.390	0.114	0.139	267.400	270.800	99.226%	99.761%
σ		1.839%	0.362	0.023	0.029	3.284	2.497	2.536%	2.470%
%RSD		1.967	10.680	19.990	21.100	1.228	0.922	2.555	2.476

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:12:44	0.565	0.463	2.568	2.531	2.635	91.694%
2	18:13:26	0.458	0.448	2.661	2.578	2.538	94.549%
3	18:14:08	0.469	0.413	2.605	2.536	2.618	95.931%
x		0.497	0.441	2.611	2.548	2.597	94.058%
σ		0.059	0.026	0.047	0.026	0.052	2.161%
%RSD		11.810	5.818	1.787	1.018	2.007	2.297

180-17111-A-27-B @10 12/29/2012 6:16:18 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:17:00	77.413%	12.530	2277.000	2209.000	0.000	15130.000	8249.000	8252.000
2	18:17:42	77.640%	10.930	2301.000	2216.000	0.000	15030.000	8300.000	8269.000
3	18:18:23	77.062%	11.380	2307.000	2247.000	0.000	15080.000	8384.000	8375.000
x		77.372%	11.610	2295.000	2224.000	0.000	15080.000	8311.000	8298.000
σ		0.291%	0.826	15.850	20.500	0.000	52.380	67.750	66.460
%RSD		0.377	7.109	0.691	0.922	0.000	0.347	0.815	0.801

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:17:00	17420.000	10380.000	0.000	14290.000	541900.000	622400.000	71.822%	4.694
2	18:17:42	17300.000	10880.000	0.000	14190.000	540000.000	616800.000	71.034%	4.385
3	18:18:23	17330.000	11530.000	0.000	14330.000	548200.000	621300.000	70.110%	5.683
x		17350.000	10930.000	0.000	14270.000	543400.000	620200.000	70.989%	4.921
σ		64.730	577.000	0.000	68.150	4311.000	2979.000	0.857%	0.678
%RSD		0.373	5.280	0.000	0.478	0.793	0.480	1.207	13.780

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:17:00	-0.531	205.200	239.100	4768.000	6268.000	12.600	35.560	222.700
2	18:17:42	1.465	206.500	240.000	4775.000	6221.000	12.540	36.580	224.000
3	18:18:23	1.108	207.900	241.700	4825.000	6274.000	12.370	36.820	223.600
x		0.681	206.500	240.300	4790.000	6254.000	12.500	36.320	223.500
σ		1.064	1.375	1.365	31.080	29.250	0.117	0.668	0.680
%RSD		156.300	0.666	0.568	0.649	0.468	0.937	1.839	0.304

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:17:00	219.700	193.800	192.800	4.635	-1.771	9.108	0.000	3314.000
2	18:17:42	218.700	194.300	193.100	5.468	-2.076	10.960	0.000	3343.000
3	18:18:23	221.800	198.100	198.200	6.457	-0.995	12.820	0.000	3338.000
x		220.000	195.400	194.700	5.520	-1.614	10.960	0.000	3332.000
σ		1.549	2.320	3.028	0.912	0.557	1.858	0.000	15.460
%RSD		0.704	1.187	1.555	16.520	34.530	16.940	0.000	0.464

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:17:00	101.180%	7.449	7.737	69.867%	0.004	-0.007	15.960	13.800
2	18:17:42	100.623%	6.646	7.307	69.844%	0.009	0.004	13.790	14.160
3	18:18:23	100.969%	6.523	7.048	70.297%	-0.001	0.016	14.050	13.510
x		100.924%	6.872	7.364	70.003%	0.004	0.004	14.600	13.820
σ		0.281%	0.503	0.348	0.255%	0.005	0.011	1.186	0.327
%RSD		0.279	7.315	4.726	0.364	127.700	262.000	8.125	2.365

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:17:00	76.674%	2.879	2.241	2.366	69.140	65.540	87.115%	89.550%
2	18:17:42	77.983%	3.054	2.399	2.247	67.840	68.390	87.728%	90.086%
3	18:18:23	77.891%	2.640	2.330	2.378	66.400	67.870	88.134%	89.879%
x		77.516%	2.858	2.324	2.330	67.790	67.270	87.659%	89.838%
σ		0.731%	0.208	0.079	0.072	1.369	1.517	0.513%	0.270%
%RSD		0.943	7.270	3.400	3.106	2.019	2.255	0.585	0.301

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:17:00	22.680	21.920	25.630	24.730	24.880	81.148%
2	18:17:42	23.190	22.770	25.440	25.280	25.050	82.287%
3	18:18:23	23.430	23.260	25.460	25.080	24.990	82.825%
x		23.100	22.650	25.510	25.030	24.970	82.087%
σ		0.383	0.676	0.106	0.279	0.087	0.856%
%RSD		1.657	2.984	0.416	1.113	0.347	1.043

180-17111-A-29-B @10 12/29/2012 6:20:34 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:21:16	82.348%	-0.031	1726.000	1694.000	0.000	14980.000	6994.000	7029.000
2	18:21:57	85.776%	0.076	1717.000	1688.000	0.000	14790.000	7034.000	7036.000
3	18:22:39	86.956%	-0.031	1728.000	1677.000	0.000	14850.000	7107.000	7055.000
x		85.027%	0.005	1723.000	1686.000	0.000	14870.000	7045.000	7040.000
σ		2.393%	0.062	5.978	8.481	0.000	96.020	57.390	13.590
%RSD		2.815	1239.000	0.347	0.503	0.000	0.646	0.815	0.193
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:21:16	37.290	660.200	0.000	13870.000	514500.000	598700.000	78.104%	0.112
2	18:21:57	28.210	561.700	0.000	13860.000	521400.000	598200.000	80.272%	0.429
3	18:22:39	26.360	500.000	0.000	13930.000	524200.000	598500.000	81.354%	0.040
x		30.620	574.000	0.000	13880.000	520000.000	598500.000	79.910%	0.194
σ		5.850	80.820	0.000	38.580	4989.000	267.500	1.655%	0.207
%RSD		19.110	14.080	0.000	0.278	0.959	0.045	2.071	106.900
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:21:16	3.206	3.427	82.520	45.090	764.800	2.834	10.780	0.613
2	18:21:57	3.207	3.305	82.740	37.800	720.900	2.815	10.890	0.694
3	18:22:39	1.587	3.296	82.640	36.720	724.500	2.927	10.760	0.526
x		2.667	3.343	82.630	39.870	736.800	2.859	10.810	0.611
σ		0.935	0.073	0.113	4.555	24.390	0.060	0.070	0.084
%RSD		35.060	2.189	0.137	11.430	3.310	2.104	0.647	13.780
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:21:16	1.596	2.459	2.427	7.874	1.683	17.610	0.000	4069.000
2	18:21:57	0.751	2.341	2.747	10.500	4.338	20.530	0.000	4081.000
3	18:22:39	0.902	1.972	2.442	9.382	3.371	20.100	0.000	4080.000
x		1.083	2.257	2.539	9.251	3.131	19.410	0.000	4077.000
σ		0.451	0.254	0.181	1.317	1.344	1.577	0.000	7.084
%RSD		41.610	11.270	7.113	14.240	42.920	8.125	0.000	0.174
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:21:16	79.818%	283.300	286.400	76.469%	0.008	0.004	1.904	1.988
2	18:21:57	82.961%	284.900	288.200	80.192%	0.008	0.003	2.298	1.560
3	18:22:39	84.550%	285.700	290.800	81.340%	-0.002	-0.007	2.073	2.142
x		82.443%	284.700	288.500	79.334%	0.005	-0.000	2.092	1.897
σ		2.408%	1.200	2.186	2.546%	0.006	0.006	0.198	0.301
%RSD		2.921	0.422	0.758	3.210	120.900	5510.000	9.444	15.890
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:21:16	81.369%	3.656	5.850	5.751	92.430	92.080	87.953%	90.174%
2	18:21:57	85.751%	4.009	5.748	5.672	90.640	91.530	91.860%	93.697%
3	18:22:39	86.930%	3.893	6.361	5.681	93.230	92.990	93.141%	95.122%
x		84.683%	3.853	5.986	5.701	92.100	92.200	90.985%	92.998%
σ		2.930%	0.180	0.329	0.043	1.323	0.738	2.703%	2.547%
%RSD		3.460	4.671	5.487	0.760	1.436	0.801	2.970	2.739
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:21:16	5.704	5.675	0.061	0.070	0.073	83.388%		
2	18:21:57	5.637	5.449	0.030	0.106	0.066	86.557%		
3	18:22:39	5.540	5.575	0.074	0.081	0.079	87.740%		
x		5.627	5.566	0.055	0.086	0.073	85.895%		
σ		0.083	0.114	0.023	0.019	0.006	2.250%		
%RSD		1.471	2.039	41.420	21.750	8.712	2.620		

180-17111-A-30-B @10 12/29/2012 6:24:50 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:32	87.590%	0.039	1510.000	1483.000	0.000	15470.000	2242.000	2237.000
2	18:26:13	89.833%	0.003	1517.000	1457.000	0.000	15390.000	2245.000	2245.000
3	18:26:55	91.284%	0.003	1485.000	1459.000	0.000	15310.000	2241.000	2229.000
x		89.569%	0.015	1504.000	1466.000	0.000	15390.000	2243.000	2237.000
σ		1.861%	0.021	16.780	14.100	0.000	83.430	1.890	7.705
%RSD		2.078	137.700	1.116	0.962	0.000	0.542	0.084	0.344

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:32	199.300	164.700	0.000	14580.000	516600.000	605200.000	84.069%	0.036
2	18:26:13	197.600	155.000	0.000	14510.000	517200.000	601100.000	85.070%	0.096
3	18:26:55	198.800	146.100	0.000	14500.000	523300.000	603300.000	85.439%	0.034
x		198.600	155.200	0.000	14530.000	519000.000	603200.000	84.859%	0.055
σ		0.877	9.334	0.000	44.040	3684.000	2030.000	0.709%	0.035
%RSD		0.442	6.013	0.000	0.303	0.710	0.337	0.835	63.240

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:32	22.170	7.748	0.124	31.600	708.400	0.218	0.535	0.354
2	18:26:13	22.660	7.459	0.175	30.350	673.500	0.123	0.042	0.265
3	18:26:55	21.180	7.993	0.154	29.380	696.400	0.221	0.322	0.232
x		22.010	7.733	0.151	30.440	692.700	0.187	0.300	0.284
σ		0.755	0.267	0.026	1.111	17.740	0.056	0.247	0.063
%RSD		3.432	3.458	16.930	3.650	2.561	29.670	82.560	22.280

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:32	0.667	0.170	0.476	15.500	11.340	33.410	0.000	5046.000
2	18:26:13	0.652	0.425	0.638	14.670	14.400	30.280	0.000	4976.000
3	18:26:55	0.785	0.354	0.105	13.600	12.710	32.970	0.000	4979.000
x		0.701	0.316	0.406	14.590	12.810	32.220	0.000	5000.000
σ		0.073	0.132	0.274	0.955	1.533	1.694	0.000	39.240
%RSD		10.400	41.640	67.350	6.545	11.960	5.257	0.000	0.785

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:32	86.106%	328.200	332.400	82.619%	-0.002	0.018	0.172	0.162
2	18:26:13	88.098%	333.700	335.100	84.647%	0.016	-0.002	0.108	0.175
3	18:26:55	88.807%	332.000	335.900	85.451%	-0.002	0.002	0.321	0.086
x		87.670%	331.300	334.500	84.239%	0.004	0.006	0.200	0.141
σ		1.400%	2.814	1.849	1.459%	0.010	0.010	0.109	0.048
%RSD		1.597	0.850	0.553	1.732	259.800	173.700	54.610	34.300

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:32	87.127%	2.768	2.674	2.724	205.100	204.400	94.665%	95.561%
2	18:26:13	89.275%	3.104	2.625	2.721	204.200	210.800	96.495%	98.168%
3	18:26:55	91.292%	2.540	2.524	2.386	202.000	205.200	97.776%	99.944%
x		89.231%	2.804	2.608	2.610	203.800	206.800	96.312%	97.891%
σ		2.083%	0.283	0.077	0.194	1.557	3.501	1.563%	2.205%
%RSD		2.334	10.100	2.944	7.440	0.764	1.693	1.623	2.252

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:32	1.537	1.562	0.011	0.002	0.016	89.274%
2	18:26:13	1.643	1.527	0.007	-0.002	0.012	91.086%
3	18:26:55	1.513	1.529	0.026	0.005	0.017	91.901%
x		1.564	1.539	0.015	0.001	0.015	90.754%
σ		0.069	0.020	0.010	0.004	0.003	1.345%
%RSD		4.414	1.268	69.450	260.600	17.170	1.482

CCV 664806 12/29/2012 6:32:39 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:33:20	73.778%	106.000	118.600	120.600	0.000	51620.000	45160.000	45640.000
2	18:34:02	75.638%	104.800	111.600	116.200	0.000	51310.000	45600.000	46000.000
3	18:34:44	78.954%	105.200	125.200	109.900	0.000	50190.000	44880.000	45350.000
x		76.124%	105.332%	118.449%	115.561%	0.000	102.078%	90.425%	91.328%
σ		2.622%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		3.444	0.620	5.708	4.640	0.000	1.476	0.793	0.717

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:33:20	507.500	5287.000	0.000	53740.000	53690.000	53460.000	66.298%	108.100
2	18:34:02	506.600	5322.000	0.000	53420.000	54010.000	53940.000	68.030%	113.800
3	18:34:44	504.700	5238.000	0.000	53060.000	54990.000	54130.000	69.280%	114.000
x		101.250%	105.647%	0.000	106.813%	108.467%	107.689%	67.869%	111.969%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.497%	n/a
%RSD		0.286	0.801	0.000	0.641	1.248	0.639	2.206	2.968

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:33:20	107.100	107.700	531.800	26780.000	26440.000	105.300	105.900	106.000
2	18:34:02	108.300	109.400	537.300	26570.000	26880.000	107.400	109.100	107.200
3	18:34:44	107.100	109.300	537.700	26290.000	26920.000	107.100	108.000	105.800
x		107.468%	108.792%	107.119%	106.180%	106.987%	106.597%	107.645%	106.328%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.646	0.843	0.613	0.927	1.001	1.095	1.502	0.721

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:33:20	101.400	102.400	105.800	97.500	97.230	95.730	0.000	93.950
2	18:34:02	106.600	106.700	110.600	101.000	98.560	98.230	0.000	95.450
3	18:34:44	106.000	110.800	109.200	103.800	103.000	101.700	0.000	96.110
x		104.662%	106.647%	108.516%	100.772%	99.610%	98.553%	0.000	95.172%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		2.689	3.915	2.306	3.130	3.057	3.043	0.000	1.165

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:33:20	79.768%	97.640	99.840	74.594%	98.590	97.050	100.300	96.980
2	18:34:02	81.420%	99.600	102.200	77.582%	100.000	99.690	99.700	99.710
3	18:34:44	83.445%	100.600	103.100	79.548%	98.680	99.840	99.850	98.500
x		81.544%	99.283%	101.711%	77.241%	99.096%	98.857%	99.936%	98.394%
σ		1.841%	n/a	n/a	2.494%	n/a	n/a	n/a	n/a
%RSD		2.258	1.521	1.656	3.229	0.807	1.588	0.294	1.390

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:33:20	79.706%	98.420	97.630	98.440	99.890	96.330	83.366%	85.364%
2	18:34:02	82.075%	98.370	100.800	99.970	97.050	96.670	87.717%	88.873%
3	18:34:44	83.893%	99.660	100.400	99.660	96.380	98.590	89.282%	91.135%
x		81.892%	98.815%	99.616%	99.358%	97.776%	97.197%	86.788%	88.457%
σ		2.099%	n/a	n/a	n/a	n/a	n/a	3.065%	2.908%
%RSD		2.564	0.742	1.739	0.816	1.906	1.256	3.532	3.287

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:33:20	99.950	98.860	100.900	99.340	100.300	83.503%
2	18:34:02	102.900	101.400	102.700	101.900	102.400	86.728%
3	18:34:44	101.900	100.600	102.000	101.900	101.800	89.260%
x		101.568%	100.294%	101.862%	101.054%	101.492%	86.497%
σ		n/a	n/a	n/a	n/a	n/a	2.886%
%RSD		1.470	1.311	0.863	1.468	1.055	3.336

CCB3 12/29/2012 6:40:29 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:10	87.511%	0.004	7.296	9.382	0.000	-40.240	4.158	5.667
2	18:41:52	88.874%	0.004	10.030	8.010	0.000	-36.840	6.283	6.323
3	18:42:34	88.482%	-0.031	10.200	8.464	0.000	-31.350	6.463	8.168
x		88.289%	-0.008	9.175	8.618	0.000	-36.140	5.635	6.720
σ		0.701%	0.020	1.630	0.699	0.000	4.486	1.282	1.297
%RSD		0.794	262.400	17.760	8.111	0.000	12.410	22.750	19.300

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:10	-3.673	23.100	0.000	-1.985	39.440	8.218	84.750%	-0.026
2	18:41:52	-3.963	21.280	0.000	-0.964	23.240	15.900	85.697%	0.156
3	18:42:34	-3.662	20.340	0.000	2.116	7.548	22.930	85.487%	-0.026
x		-3.766	21.580	0.000	-0.278	23.410	15.680	85.311%	0.034
σ		0.170	1.401	0.000	2.135	15.950	7.357	0.497%	0.105
%RSD		4.524	6.492	0.000	767.900	68.120	46.920	0.583	304.900

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:10	0.027	0.019	0.056	9.855	15.390	0.006	0.072	-0.002
2	18:41:52	-0.009	0.003	0.040	7.094	11.210	0.002	0.091	0.173
3	18:42:34	0.038	0.063	0.126	5.834	13.980	0.010	0.153	0.053
x		0.019	0.028	0.074	7.594	13.520	0.006	0.106	0.075
σ		0.024	0.031	0.046	2.057	2.125	0.004	0.042	0.089
%RSD		131.300	110.700	61.830	27.080	15.720	62.880	39.910	119.700

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:10	0.066	0.512	0.540	-0.309	-0.404	-1.259	0.000	0.052
2	18:41:52	-0.020	0.409	0.429	-0.552	-0.921	-1.395	0.000	0.106
3	18:42:34	0.021	0.569	0.232	0.063	0.256	0.129	0.000	0.148
x		0.022	0.497	0.400	-0.266	-0.357	-0.841	0.000	0.102
σ		0.043	0.081	0.156	0.310	0.590	0.843	0.000	0.048
%RSD		193.300	16.340	39.000	116.500	165.400	100.200	0.000	47.380

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:10	80.819%	0.222	0.364	82.659%	-0.002	0.008	0.116	0.133
2	18:41:52	81.786%	0.308	0.256	83.219%	0.012	0.013	-0.015	-0.047
3	18:42:34	82.042%	0.188	0.197	83.861%	0.025	0.018	-0.110	-0.123
x		81.549%	0.239	0.272	83.246%	0.012	0.013	-0.003	-0.012
σ		0.645%	0.062	0.085	0.602%	0.014	0.005	0.113	0.132
%RSD		0.791	25.850	31.240	0.723	115.400	37.480	3815.000	1092.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:10	84.319%	0.704	0.028	0.032	-0.091	0.027	84.724%	87.048%
2	18:41:52	85.086%	0.897	0.032	0.012	-0.092	0.040	87.712%	88.443%
3	18:42:34	85.750%	0.678	0.017	-0.001	-0.015	0.010	87.594%	89.546%
x		85.052%	0.760	0.026	0.014	-0.066	0.026	86.677%	88.346%
σ		0.716%	0.120	0.008	0.017	0.044	0.015	1.692%	1.252%
%RSD		0.842	15.780	30.550	115.800	66.660	59.260	1.952	1.417

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:10	0.138	0.091	0.028	0.025	0.031	89.586%
2	18:41:52	0.127	0.101	0.014	0.013	0.020	91.033%
3	18:42:34	0.085	0.087	0.010	0.032	0.034	91.134%
x		0.117	0.093	0.018	0.023	0.028	90.584%
σ		0.028	0.007	0.009	0.010	0.008	0.866%
%RSD		23.710	7.514	53.640	41.280	26.900	0.956

180-17111-A-31-B @10 12/29/2012 6:44:47 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:28	85.735%	-0.031	134.600	130.600	0.000	15610.000	1.341	2.016
2	18:46:10	89.886%	0.139	133.800	132.600	0.000	15150.000	1.656	1.429
3	18:46:51	90.951%	0.003	134.700	131.700	0.000	15170.000	1.385	1.445
x		88.857%	0.037	134.400	131.700	0.000	15310.000	1.461	1.630
σ		2.756%	0.090	0.535	1.013	0.000	261.800	0.170	0.335
%RSD		3.102	242.300	0.399	0.769	0.000	1.709	11.660	20.540
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:28	-1.668	49.230	0.000	15020.000	303900.000	358300.000	82.262%	0.039
2	18:46:10	-1.808	46.290	0.000	14690.000	299900.000	349200.000	86.364%	-0.087
3	18:46:51	-1.433	47.440	0.000	14730.000	302400.000	348900.000	87.399%	0.031
x		-1.636	47.650	0.000	14810.000	302100.000	352100.000	85.342%	-0.006
σ		0.189	1.482	0.000	177.400	2011.000	5343.000	2.717%	0.071
%RSD		11.560	3.110	0.000	1.197	0.666	1.517	3.184	1232.000
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:28	-0.517	13.190	-0.024	27.000	427.400	0.117	0.411	0.236
2	18:46:10	-1.140	12.720	-0.039	26.400	394.000	0.099	0.553	0.219
3	18:46:51	-1.242	13.030	-0.014	27.020	408.700	0.152	0.178	0.200
x		-0.966	12.980	-0.026	26.810	410.000	0.123	0.381	0.219
σ		0.393	0.239	0.012	0.353	16.770	0.027	0.190	0.018
%RSD		40.640	1.843	46.930	1.315	4.089	22.250	49.820	8.227
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:28	0.538	1.075	1.284	5.320	-0.642	18.730	0.000	4061.000
2	18:46:10	0.543	0.724	1.749	4.149	0.448	15.650	0.000	4889.000
3	18:46:51	0.257	0.834	1.574	4.847	0.361	15.400	0.000	4814.000
x		0.446	0.877	1.536	4.772	0.055	16.590	0.000	4588.000
σ		0.164	0.180	0.234	0.590	0.606	1.854	0.000	458.300
%RSD		36.710	20.490	15.260	12.350	1092.000	11.180	0.000	9.989
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:28	85.332%	281.800	285.700	82.838%	0.016	0.013	0.473	-0.001
2	18:46:10	88.528%	287.600	292.600	86.272%	0.011	0.012	0.319	0.225
3	18:46:51	90.462%	288.500	287.700	88.135%	0.011	-0.002	0.265	0.165
x		88.108%	286.000	288.700	85.749%	0.013	0.007	0.352	0.130
σ		2.591%	3.648	3.538	2.687%	0.003	0.008	0.108	0.117
%RSD		2.940	1.276	1.225	3.134	24.730	114.500	30.580	90.300
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:28	87.525%	3.927	0.011	-0.008	264.200	268.100	93.588%	94.008%
2	18:46:10	90.460%	3.208	0.024	0.021	270.900	275.100	96.640%	97.953%
3	18:46:51	92.578%	3.418	0.014	0.008	273.800	266.800	97.787%	100.367%
x		90.187%	3.518	0.016	0.007	269.600	270.000	96.005%	97.443%
σ		2.537%	0.370	0.007	0.015	4.928	4.469	2.170%	3.210%
%RSD		2.813	10.510	41.620	205.800	1.828	1.655	2.261	3.294
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:45:28	0.334	0.294	2.358	2.257	2.240	94.023%		
2	18:46:10	0.338	0.322	2.395	2.268	2.316	94.772%		
3	18:46:51	0.299	0.302	2.223	2.187	2.286	96.988%		
x		0.324	0.306	2.325	2.237	2.281	95.261%		
σ		0.022	0.014	0.090	0.044	0.038	1.542%		
%RSD		6.677	4.623	3.885	1.960	1.665	1.618		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:45	81.498%	-0.031	7.802	7.596	0.000	-31.720	-1.414	-0.296
2	18:50:26	81.969%	-0.031	8.585	7.253	0.000	-35.470	-1.899	-1.483
3	18:51:08	81.393%	-0.031	7.164	7.136	0.000	-33.390	-2.302	-1.827
x		81.620%	-0.031	7.850	7.328	0.000	-33.520	-1.872	-1.202
σ		0.307%	0.000	0.712	0.239	0.000	1.882	0.444	0.803
%RSD		0.376	0.000	9.066	3.264	0.000	5.613	23.740	66.820

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:45	-4.504	36.560	0.000	8.065	108.200	94.890	76.646%	0.116
2	18:50:26	-4.846	34.950	0.000	4.634	44.560	66.800	75.433%	-0.087
3	18:51:08	-4.822	34.510	0.000	8.549	93.810	66.780	74.043%	-0.017
x		-4.724	35.340	0.000	7.083	82.200	76.160	75.374%	0.004
σ		0.191	1.079	0.000	2.135	33.390	16.220	1.302%	0.103
%RSD		4.041	3.054	0.000	30.140	40.610	21.300	1.728	2800.000

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:45	-0.567	0.324	-0.041	8.007	4.111	-0.012	0.126	0.035
2	18:50:26	-1.675	0.323	-0.034	5.867	2.971	-0.007	0.061	0.075
3	18:51:08	-0.630	0.262	-0.049	4.611	2.974	-0.033	0.040	0.015
x		-0.957	0.303	-0.042	6.162	3.352	-0.017	0.075	0.042
σ		0.623	0.035	0.008	1.717	0.657	0.014	0.045	0.030
%RSD		65.030	11.690	18.370	27.860	19.600	80.350	59.160	72.680

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:45	0.467	0.206	0.141	0.581	-0.877	0.867	0.000	0.859
2	18:50:26	0.118	0.418	0.402	-1.861	-1.456	-1.955	0.000	0.693
3	18:51:08	0.056	0.151	0.341	0.968	-1.040	1.127	0.000	0.599
x		0.214	0.258	0.295	-0.104	-1.124	0.013	0.000	0.717
σ		0.222	0.141	0.137	1.534	0.298	1.709	0.000	0.132
%RSD		103.700	54.630	46.410	1477.000	26.540	13050.000	0.000	18.360

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:45	79.244%	2.301	2.247	79.932%	0.008	0.008	-0.110	-0.056
2	18:50:26	77.883%	1.313	1.205	78.938%	0.003	0.009	0.026	-0.003
3	18:51:08	77.194%	0.983	0.806	78.110%	0.003	0.003	0.033	-0.033
x		78.107%	1.532	1.419	78.993%	0.005	0.007	-0.017	-0.031
σ		1.043%	0.686	0.744	0.912%	0.003	0.003	0.080	0.027
%RSD		1.336	44.750	52.430	1.155	56.050	42.540	476.900	87.170

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:45	81.801%	3.138	0.003	0.033	0.041	0.120	86.698%	86.487%
2	18:50:26	81.046%	2.853	0.024	0.014	-0.037	-0.034	85.452%	86.319%
3	18:51:08	80.944%	2.502	-0.012	-0.013	-0.117	-0.018	85.628%	85.841%
x		81.264%	2.831	0.005	0.012	-0.038	0.023	85.926%	86.216%
σ		0.468%	0.318	0.018	0.023	0.079	0.085	0.675%	0.335%
%RSD		0.576	11.240	360.500	199.300	207.600	374.900	0.785	0.389

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:45	0.069	0.082	0.015	0.002	0.012	87.913%
2	18:50:26	0.061	0.073	-0.002	0.007	0.014	87.105%
3	18:51:08	0.036	0.055	0.002	0.015	0.010	86.876%
x		0.056	0.070	0.005	0.008	0.012	87.298%
σ		0.018	0.014	0.009	0.006	0.002	0.545%
%RSD		31.570	19.700	179.000	79.110	14.510	0.624

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:32	79.506%	-0.031	5.006	4.577	0.000	-33.970	-2.017	-1.501
2	18:58:14	81.043%	-0.031	3.241	4.609	0.000	-31.170	-1.608	-0.750
3	18:58:56	79.130%	-0.031	4.879	4.087	0.000	-21.510	0.643	0.416
x		79.893%	-0.031	4.375	4.425	0.000	-28.880	-0.994	-0.612
σ		1.013%	0.000	0.984	0.293	0.000	6.536	1.433	0.966
%RSD		1.269	0.000	22.500	6.613	0.000	22.630	144.100	157.900

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:32	-5.052	15.010	0.000	3.143	9.844	-2.434	69.841%	-0.013
2	18:58:14	-4.810	12.570	0.000	3.058	9.616	3.489	71.105%	0.132
3	18:58:56	-4.237	14.140	0.000	4.052	9.625	17.540	71.131%	-0.087
x		-4.700	13.900	0.000	3.418	9.695	6.198	70.692%	0.010
σ		0.418	1.234	0.000	0.551	0.129	10.260	0.737%	0.111
%RSD		8.903	8.877	0.000	16.110	1.332	165.500	1.043	1071.000

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:32	-0.944	0.217	-0.050	2.404	3.876	-0.023	0.071	0.065
2	18:58:14	-0.449	0.163	-0.020	2.024	2.317	-0.014	0.093	0.069
3	18:58:56	-0.819	0.120	0.037	2.760	4.466	-0.019	0.045	-0.059
x		-0.737	0.167	-0.011	2.396	3.553	-0.019	0.069	0.025
σ		0.258	0.049	0.044	0.368	1.110	0.004	0.024	0.073
%RSD		34.970	29.260	398.300	15.350	31.260	23.650	34.830	293.700

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:32	-0.020	-0.160	-0.033	0.739	0.265	2.618	0.000	-0.025
2	18:58:14	0.096	-0.138	0.037	-0.610	-1.010	-1.689	0.000	0.058
3	18:58:56	-0.001	-0.006	0.036	-1.160	-1.292	-2.520	0.000	0.212
x		0.025	-0.101	0.013	-0.344	-0.679	-0.530	0.000	0.082
σ		0.062	0.083	0.040	0.977	0.830	2.758	0.000	0.120
%RSD		245.200	82.150	301.200	284.200	122.200	520.500	0.000	146.600

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:32	72.100%	0.054	0.090	72.358%	-0.001	0.004	-0.105	-0.180
2	18:58:14	72.959%	0.004	0.057	73.808%	-0.006	-0.007	0.101	0.084
3	18:58:56	73.363%	0.149	0.011	74.053%	0.004	-0.001	0.027	-0.066
x		72.807%	0.069	0.053	73.407%	-0.001	-0.001	0.007	-0.054
σ		0.645%	0.073	0.040	0.916%	0.005	0.006	0.104	0.132
%RSD		0.886	106.400	75.540	1.248	393.800	406.300	1392.000	244.800

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:32	75.700%	2.846	-0.000	-0.026	-0.117	-0.032	79.406%	80.399%
2	18:58:14	77.352%	2.665	-0.006	0.009	-0.034	-0.016	81.527%	82.491%
3	18:58:56	76.742%	3.159	0.010	-0.012	-0.089	0.049	82.301%	83.231%
x		76.598%	2.890	0.001	-0.009	-0.080	0.001	81.078%	82.041%
σ		0.835%	0.250	0.008	0.018	0.043	0.043	1.499%	1.469%
%RSD		1.090	8.655	668.100	188.800	53.220	7732.000	1.848	1.790

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:32	0.041	0.038	-0.012	-0.009	-0.003	83.723%
2	18:58:14	0.038	0.051	0.010	-0.013	0.002	83.982%
3	18:58:56	0.017	0.034	0.010	-0.000	0.002	83.232%
x		0.032	0.041	0.003	-0.007	0.000	83.646%
σ		0.013	0.009	0.013	0.006	0.003	0.381%
%RSD		40.470	22.450	447.600	88.580	884.400	0.455

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:01:47	102.282%	50.120	998.400	940.300	0.000	44730.000	39320.000	39620.000
2	19:02:29	107.945%	50.170	997.300	950.500	0.000	44110.000	39540.000	39830.000
3	19:03:10	114.605%	48.910	983.900	915.300	0.000	42900.000	38990.000	39500.000
x		108.277%	49.730	993.200	935.400	0.000	43910.000	39290.000	39650.000
σ		6.168%	0.716	8.094	18.140	0.000	929.600	277.400	164.600
%RSD		5.696	1.439	0.815	1.939	0.000	2.117	0.706	0.415

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:01:47	1693.000	8761.000	0.000	46410.000	47660.000	47060.000	76.645%	943.700
2	19:02:29	1699.000	8772.000	0.000	45720.000	46830.000	47190.000	80.479%	940.000
3	19:03:10	1675.000	8620.000	0.000	45180.000	46700.000	47100.000	81.955%	933.200
x		1689.000	8718.000	0.000	45770.000	47060.000	47120.000	79.693%	938.900
σ		12.440	84.760	0.000	620.400	521.400	65.490	2.741%	5.336
%RSD		0.736	0.972	0.000	1.355	1.108	0.139	3.439	0.568

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:01:47	455.000	190.900	469.600	760.600	1022.000	462.900	451.600	221.300
2	19:02:29	456.100	192.200	468.900	756.600	1009.000	459.800	454.800	223.700
3	19:03:10	454.600	190.100	471.400	762.400	1008.000	461.100	454.600	224.300
x		455.200	191.000	470.000	759.900	1013.000	461.300	453.700	223.100
σ		0.822	1.063	1.296	2.988	7.491	1.556	1.799	1.581
%RSD		0.181	0.556	0.276	0.393	0.740	0.337	0.397	0.709

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:01:47	221.000	469.100	480.200	37.450	6.598	9.674	0.000	931.600
2	19:02:29	222.400	472.400	476.600	35.710	6.998	8.527	0.000	924.600
3	19:03:10	221.700	474.900	478.300	31.920	8.039	7.962	0.000	932.100
x		221.700	472.100	478.400	35.030	7.211	8.721	0.000	929.400
σ		0.697	2.940	1.805	2.827	0.744	0.872	0.000	4.207
%RSD		0.314	0.623	0.377	8.071	10.320	10.000	0.000	0.453

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:01:47	76.865%	987.000	997.100	74.468%	47.250	46.540	49.890	39.180
2	19:02:29	81.309%	988.200	993.900	78.859%	47.300	46.540	48.420	37.670
3	19:03:10	83.383%	997.200	1009.000	80.566%	47.770	47.350	48.690	39.250
x		80.519%	990.800	999.900	77.964%	47.440	46.810	49.000	38.700
σ		3.330%	5.620	7.864	3.146%	0.286	0.468	0.782	0.890
%RSD		4.136	0.567	0.787	4.035	0.603	1.000	1.595	2.300

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:01:47	79.898%	1985.000	486.300	486.800	1840.000	1801.000	86.907%	89.069%
2	19:02:29	85.751%	1955.000	481.400	482.200	1841.000	1825.000	91.477%	93.179%
3	19:03:10	87.862%	1969.000	486.600	489.300	1831.000	1827.000	94.399%	96.006%
x		84.504%	1970.000	484.800	486.100	1837.000	1818.000	90.928%	92.751%
σ		4.126%	14.940	2.890	3.628	5.440	14.150	3.776%	3.488%
%RSD		4.883	0.758	0.596	0.746	0.296	0.778	4.153	3.761

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:01:47	44.800	44.300	19.000	19.400	19.180	89.120%
2	19:02:29	46.010	45.110	18.710	18.420	18.700	94.659%
3	19:03:10	46.060	45.740	19.360	19.140	19.280	96.274%
x		45.630	45.050	19.020	18.990	19.050	93.351%
σ		0.712	0.724	0.324	0.504	0.314	3.752%
%RSD		1.560	1.607	1.703	2.654	1.646	4.019

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:06:02	102.080%	-0.031	70.370	66.750	0.000	57550.000	21400.000	21500.000
2	19:06:44	102.442%	-0.000	59.060	64.610	0.000	56870.000	21330.000	21410.000
3	19:07:25	102.439%	-0.000	64.280	63.400	0.000	56840.000	21420.000	21470.000
x		102.320%	-0.010	64.570	64.920	0.000	57090.000	21380.000	21460.000
σ		0.208%	0.018	5.662	1.696	0.000	401.600	50.630	47.230
%RSD		0.203	170.500	8.769	2.612	0.000	0.704	0.237	0.220

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:06:02	104.700	7066.000	0.000	9653.000	24800.000	25410.000	74.987%	8.284
2	19:06:44	103.700	7064.000	0.000	9498.000	25790.000	25560.000	75.598%	6.983
3	19:07:25	106.900	7087.000	0.000	9537.000	25420.000	25400.000	75.724%	8.136
x		105.100	7072.000	0.000	9563.000	25330.000	25450.000	75.436%	7.801
σ		1.632	12.400	0.000	80.830	498.300	90.000	0.394%	0.713
%RSD		1.553	0.175	0.000	0.845	1.967	0.354	0.522	9.134

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:06:02	-4.369	1.342	76.950	14560.000	14650.000	0.188	1.519	2.210
2	19:06:44	-3.317	1.156	77.210	14400.000	14760.000	0.152	1.521	1.865
3	19:07:25	-3.797	1.354	77.970	14340.000	14730.000	0.238	1.679	2.179
x		-3.828	1.284	77.380	14430.000	14710.000	0.193	1.573	2.085
σ		0.527	0.111	0.534	115.200	60.500	0.043	0.092	0.191
%RSD		13.760	8.673	0.690	0.798	0.411	22.300	5.848	9.166

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:06:02	1.947	7.141	7.108	7.668	-1.549	0.182	0.000	256.100
2	19:06:44	1.979	6.642	7.100	7.120	-1.818	-2.223	0.000	260.900
3	19:07:25	1.817	6.454	7.184	7.722	-1.949	-1.128	0.000	262.000
x		1.914	6.746	7.131	7.503	-1.772	-1.056	0.000	259.700
σ		0.086	0.355	0.046	0.333	0.204	1.204	0.000	3.123
%RSD		4.485	5.262	0.650	4.435	11.490	114.000	0.000	1.203

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:06:02	76.689%	4.309	4.457	74.279%	0.004	0.004	-0.005	-0.025
2	19:06:44	76.980%	2.437	2.506	75.568%	0.018	0.004	-0.117	-0.337
3	19:07:25	77.091%	2.038	1.705	75.877%	0.028	-0.002	0.005	-0.128
x		76.920%	2.928	2.890	75.241%	0.017	0.002	-0.039	-0.163
σ		0.208%	1.213	1.415	0.848%	0.012	0.003	0.067	0.159
%RSD		0.270	41.410	48.980	1.127	74.120	162.600	172.100	97.440

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:06:02	80.727%	27.460	0.289	0.274	48.270	47.370	88.221%	89.282%
2	19:06:44	82.078%	21.960	0.248	0.164	48.700	47.900	89.093%	91.724%
3	19:07:25	81.217%	21.040	0.225	0.265	48.330	49.670	89.816%	92.008%
x		81.341%	23.480	0.254	0.234	48.430	48.310	89.043%	91.005%
σ		0.684%	3.472	0.032	0.061	0.235	1.208	0.798%	1.498%
%RSD		0.840	14.780	12.780	25.990	0.485	2.500	0.897	1.647

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:06:02	0.831	0.773	0.693	0.598	0.655	87.667%
2	19:06:44	0.558	0.607	0.659	0.640	0.630	89.320%
3	19:07:25	0.401	0.468	0.665	0.642	0.635	90.754%
x		0.597	0.616	0.672	0.627	0.640	89.247%
σ		0.217	0.153	0.018	0.025	0.013	1.545%
%RSD		36.440	24.770	2.696	3.969	2.107	1.731

180-17167-A-2-A 12/29/2012 7:09:36 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:10:18	96.447%	-0.031	68.870	67.090	0.000	70580.000	18890.000	18900.000
2	19:10:59	100.071%	-0.031	65.240	65.870	0.000	68990.000	18650.000	18720.000
3	19:11:41	100.995%	-0.031	67.190	63.540	0.000	68480.000	18650.000	18660.000
x		99.171%	-0.031	67.100	65.500	0.000	69350.000	18730.000	18760.000
σ		2.404%	0.000	1.819	1.800	0.000	1097.000	140.400	123.200
%RSD		2.424	0.000	2.712	2.748	0.000	1.582	0.750	0.657
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:10:18	144.200	6527.000	0.000	4185.000	35560.000	35530.000	75.521%	10.560
2	19:10:59	146.800	6451.000	0.000	4160.000	36660.000	35680.000	77.084%	9.938
3	19:11:41	141.200	6428.000	0.000	4160.000	35980.000	35530.000	77.011%	8.803
x		144.100	6469.000	0.000	4168.000	36070.000	35580.000	76.539%	9.768
σ		2.814	52.080	0.000	14.590	552.400	84.400	0.882%	0.892
%RSD		1.953	0.805	0.000	0.350	1.532	0.237	1.153	9.128
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:10:18	-2.239	0.927	373.100	52870.000	53950.000	0.561	1.590	3.917
2	19:10:59	-2.555	0.853	374.600	51780.000	53860.000	0.342	1.402	3.675
3	19:11:41	-2.305	1.093	375.000	51850.000	54280.000	0.367	1.920	3.939
x		-2.367	0.958	374.200	52170.000	54030.000	0.423	1.638	3.844
σ		0.167	0.123	1.008	608.000	219.100	0.120	0.262	0.146
%RSD		7.046	12.830	0.269	1.165	0.405	28.370	16.000	3.802
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:10:18	4.608	8.076	8.442	17.590	-0.925	0.174	0.000	373.400
2	19:10:59	3.561	8.335	9.090	15.680	0.110	-1.384	0.000	372.500
3	19:11:41	3.699	7.659	8.777	15.680	-0.755	-0.700	0.000	377.400
x		3.956	8.023	8.770	16.310	-0.523	-0.637	0.000	374.400
σ		0.569	0.341	0.324	1.103	0.555	0.781	0.000	2.631
%RSD		14.380	4.247	3.698	6.761	106.000	122.600	0.000	0.703
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:10:18	77.080%	0.792	0.899	75.624%	0.004	-0.002	0.053	0.048
2	19:10:59	79.372%	0.624	0.799	77.686%	0.008	-0.002	0.088	-0.155
3	19:11:41	79.197%	0.514	0.762	78.160%	0.003	0.003	-0.008	-0.075
x		78.550%	0.643	0.820	77.157%	0.005	-0.000	0.044	-0.061
σ		1.276%	0.140	0.071	1.348%	0.003	0.003	0.048	0.102
%RSD		1.624	21.750	8.638	1.747	56.070	7384.000	109.000	168.600
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:10:18	79.632%	14.290	0.504	0.473	76.210	77.740	87.693%	89.118%
2	19:10:59	82.668%	14.720	0.449	0.390	76.970	77.590	90.205%	91.431%
3	19:11:41	84.545%	12.250	0.474	0.400	76.370	76.570	91.885%	92.688%
x		82.282%	13.750	0.476	0.421	76.520	77.300	89.928%	91.079%
σ		2.479%	1.323	0.027	0.045	0.398	0.636	2.110%	1.811%
%RSD		3.013	9.617	5.714	10.740	0.521	0.823	2.346	1.988
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:10:18	0.240	0.235	4.051	3.945	3.974	86.606%		
2	19:10:59	0.172	0.228	4.018	4.138	4.000	90.129%		
3	19:11:41	0.208	0.196	3.833	3.851	3.945	91.181%		
x		0.206	0.219	3.967	3.978	3.973	89.306%		
σ		0.034	0.021	0.117	0.146	0.027	2.396%		
%RSD		16.440	9.490	2.959	3.681	0.692	2.683		

180-17167-A-3-A 12/29/2012 7:13:52 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:14:33	100.660%	-0.031	65.760	67.430	0.000	88240.000	23440.000	23470.000
2	19:15:15	102.332%	-0.000	68.820	66.160	0.000	87870.000	23630.000	23730.000
3	19:15:56	104.209%	0.029	68.200	66.980	0.000	87290.000	23490.000	23520.000
x		102.401%	-0.001	67.590	66.860	0.000	87800.000	23520.000	23580.000
σ		1.775%	0.030	1.620	0.646	0.000	481.300	97.740	137.100
%RSD		1.734	5603.000	2.397	0.966	0.000	0.548	0.416	0.582

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:14:33	69.030	5304.000	0.000	4823.000	40960.000	40460.000	74.531%	3.530
2	19:15:15	69.700	5319.000	0.000	4850.000	40230.000	40670.000	76.387%	4.663
3	19:15:56	70.860	5319.000	0.000	4855.000	41650.000	40530.000	77.944%	5.103
x		69.860	5314.000	0.000	4843.000	40950.000	40550.000	76.287%	4.432
σ		0.926	8.299	0.000	16.890	708.500	106.500	1.709%	0.812
%RSD		1.325	0.156	0.000	0.349	1.730	0.263	2.240	18.310

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:14:33	-1.917	0.982	858.900	5926.000	6177.000	0.236	1.283	3.483
2	19:15:15	-2.646	1.260	862.300	5867.000	6164.000	0.377	1.069	3.210
3	19:15:56	-3.619	1.253	864.500	5858.000	6179.000	0.367	1.206	3.855
x		-2.728	1.165	861.900	5884.000	6173.000	0.327	1.186	3.516
σ		0.854	0.158	2.798	36.860	8.339	0.079	0.109	0.324
%RSD		31.300	13.590	0.325	0.627	0.135	24.030	9.160	9.221

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:14:33	3.612	4.403	4.297	18.050	-1.432	-0.071	0.000	286.900
2	19:15:15	3.554	5.236	5.204	17.320	-0.884	-0.190	0.000	288.400
3	19:15:56	4.090	4.742	4.048	15.780	0.313	-1.320	0.000	291.200
x		3.752	4.794	4.516	17.050	-0.667	-0.527	0.000	288.800
σ		0.294	0.419	0.608	1.159	0.892	0.689	0.000	2.213
%RSD		7.834	8.733	13.470	6.796	133.700	130.800	0.000	0.766

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:14:33	77.262%	0.444	0.403	74.715%	0.009	0.009	-0.002	-0.074
2	19:15:15	79.560%	0.352	0.431	77.350%	0.008	0.003	-0.092	-0.122
3	19:15:56	80.151%	0.533	0.372	78.546%	-0.002	0.018	0.027	-0.088
x		78.991%	0.443	0.402	76.870%	0.005	0.010	-0.022	-0.094
σ		1.526%	0.091	0.029	1.960%	0.006	0.008	0.062	0.025
%RSD		1.932	20.540	7.335	2.550	116.400	74.010	275.500	25.950

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:14:33	81.318%	10.480	0.464	0.651	80.400	78.570	86.945%	90.114%
2	19:15:15	83.731%	10.370	0.603	0.673	77.330	77.960	91.945%	93.300%
3	19:15:56	85.286%	10.220	0.636	0.661	77.920	78.890	93.067%	95.086%
x		83.445%	10.360	0.568	0.662	78.550	78.470	90.652%	92.833%
σ		2.000%	0.129	0.092	0.011	1.629	0.473	3.259%	2.519%
%RSD		2.397	1.243	16.160	1.681	2.074	0.602	3.595	2.713

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:14:33	0.124	0.123	2.129	2.001	2.145	86.970%
2	19:15:15	0.106	0.108	2.077	2.000	2.096	91.685%
3	19:15:56	0.098	0.106	2.048	2.230	2.153	93.388%
x		0.109	0.112	2.085	2.077	2.131	90.681%
σ		0.013	0.009	0.041	0.132	0.031	3.325%
%RSD		12.060	8.280	1.958	6.372	1.461	3.667

180-17167-A-4-A 12/29/2012 7:18:07 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:18:49	98.516%	-0.031	66.460	66.160	0.000	89180.000	23610.000	23640.000
2	19:19:31	99.838%	0.032	73.070	67.980	0.000	88450.000	23750.000	23770.000
3	19:20:12	101.613%	0.061	69.110	65.820	0.000	87340.000	23550.000	23610.000
x		99.989%	0.021	69.550	66.650	0.000	88320.000	23640.000	23670.000
σ		1.554%	0.047	3.327	1.164	0.000	924.300	101.900	85.710
%RSD		1.554	226.100	4.784	1.746	0.000	1.046	0.431	0.362

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:18:49	67.610	5418.000	0.000	4794.000	41070.000	40530.000	76.328%	5.009
2	19:19:31	70.300	5399.000	0.000	4814.000	40370.000	40450.000	77.214%	4.682
3	19:20:12	71.480	5367.000	0.000	4862.000	41100.000	40240.000	77.554%	3.926
x		69.790	5395.000	0.000	4823.000	40850.000	40400.000	77.032%	4.539
σ		1.985	25.960	0.000	34.910	410.200	151.200	0.633%	0.556
%RSD		2.844	0.481	0.000	0.724	1.004	0.374	0.822	12.240

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:18:49	-2.346	1.408	853.700	5116.000	6114.000	0.299	1.134	3.543
2	19:19:31	-2.967	1.350	861.200	5846.000	6184.000	0.295	1.056	2.994
3	19:20:12	-2.574	1.442	861.700	5804.000	6148.000	0.369	1.219	3.749
x		-2.629	1.400	858.900	5589.000	6148.000	0.321	1.137	3.429
σ		0.314	0.047	4.463	409.600	35.110	0.042	0.082	0.390
%RSD		11.960	3.331	0.520	7.329	0.571	12.990	7.183	11.380

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:18:49	2.661	5.198	4.023	18.700	-1.858	-1.144	0.000	283.800
2	19:19:31	3.333	4.787	4.415	19.490	-0.768	0.088	0.000	287.800
3	19:20:12	3.254	5.159	5.180	15.430	-1.521	-1.262	0.000	287.600
x		3.083	5.048	4.539	17.880	-1.382	-0.773	0.000	286.400
σ		0.367	0.227	0.588	2.150	0.558	0.748	0.000	2.278
%RSD		11.900	4.497	12.960	12.030	40.360	96.800	0.000	0.795

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:18:49	78.555%	0.459	0.341	75.896%	0.008	0.004	0.028	-0.084
2	19:19:31	79.549%	0.240	0.485	78.084%	-0.002	-0.002	-0.071	-0.107
3	19:20:12	79.752%	0.349	0.352	77.913%	-0.002	0.003	0.016	-0.055
x		79.285%	0.349	0.393	77.298%	0.002	0.002	-0.009	-0.082
σ		0.641%	0.110	0.080	1.217%	0.006	0.003	0.054	0.026
%RSD		0.808	31.370	20.470	1.574	341.500	178.300	602.800	31.500

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:18:49	81.331%	8.989	0.576	0.517	77.870	77.850	88.060%	89.931%
2	19:19:31	83.287%	8.079	0.652	0.620	78.820	78.750	90.874%	92.367%
3	19:20:12	83.843%	7.616	0.573	0.532	80.400	77.420	91.167%	92.620%
x		82.820%	8.228	0.600	0.556	79.030	78.010	90.033%	91.639%
σ		1.319%	0.699	0.045	0.055	1.276	0.681	1.716%	1.485%
%RSD		1.593	8.494	7.470	9.957	1.615	0.874	1.906	1.620

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:18:49	0.114	0.107	2.134	1.945	2.061	85.703%
2	19:19:31	0.086	0.108	2.029	2.085	2.040	90.257%
3	19:20:12	0.085	0.121	1.976	2.011	2.013	90.820%
x		0.095	0.112	2.046	2.014	2.038	88.926%
σ		0.017	0.007	0.081	0.070	0.024	2.806%
%RSD		17.500	6.693	3.936	3.481	1.182	3.155

180-17167-A-5-A 12/29/2012 7:22:23 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:23:06	109.913%	-0.031	247.300	223.000	0.000	35090.000	37800.000	38090.000
2	19:23:47	113.002%	-0.031	243.900	226.200	0.000	34970.000	37910.000	38430.000
3	19:24:29	115.324%	-0.031	258.400	221.400	0.000	34840.000	38150.000	42420.000
x		112.746%	-0.031	249.900	223.500	0.000	34970.000	37960.000	39650.000
σ		2.715%	0.000	7.616	2.434	0.000	121.000	177.500	2411.000
%RSD		2.408	0.000	3.048	1.089	0.000	0.346	0.468	6.081
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:23:06	-1.547	7466.000	0.000	14820.000	104300.000	104700.000	81.421%	1.188
2	19:23:47	-0.003	7522.000	0.000	14790.000	104600.000	105300.000	83.580%	1.714
3	19:24:29	-0.902	7499.000	0.000	14770.000	106300.000	105600.000	84.776%	1.384
x		-0.817	7496.000	0.000	14790.000	105100.000	105200.000	83.259%	1.429
σ		0.775	28.210	0.000	22.910	1088.000	466.600	1.700%	0.266
%RSD		94.840	0.376	0.000	0.155	1.035	0.444	2.042	18.610
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:23:06	-9.701	1.599	23.290	94.830	232.800	0.136	1.367	3.597
2	19:23:47	-6.923	2.056	24.960	100.900	241.000	0.143	1.116	3.861
3	19:24:29	-8.531	2.164	24.040	97.310	229.400	0.134	1.319	3.692
x		-8.385	1.940	24.100	97.680	234.400	0.138	1.267	3.716
σ		1.395	0.300	0.836	3.042	5.923	0.005	0.133	0.134
%RSD		16.630	15.470	3.468	3.114	2.527	3.635	10.510	3.592
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:23:06	3.510	12.580	11.970	-1.198	-0.870	0.718	0.000	573.800
2	19:23:47	3.821	12.410	13.750	2.542	-1.076	1.533	0.000	576.800
3	19:24:29	3.334	12.750	13.430	0.860	1.467	-0.449	0.000	583.400
x		3.555	12.580	13.050	0.735	-0.160	0.601	0.000	578.000
σ		0.247	0.171	0.949	1.873	1.413	0.996	0.000	4.945
%RSD		6.940	1.360	7.272	255.000	884.100	165.900	0.000	0.856
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:23:06	81.438%	0.750	0.727	79.122%	-0.006	-0.002	-0.084	-0.123
2	19:23:47	83.769%	0.731	0.862	81.847%	0.021	0.032	-0.036	-0.006
3	19:24:29	84.010%	0.789	0.774	82.692%	0.003	0.012	-0.071	-0.164
x		83.072%	0.757	0.787	81.221%	0.006	0.014	-0.063	-0.098
σ		1.420%	0.030	0.068	1.866%	0.014	0.017	0.025	0.082
%RSD		1.710	3.903	8.698	2.297	244.500	120.100	39.370	84.210
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:23:06	84.302%	6.909	0.606	0.825	111.700	110.500	90.356%	93.336%
2	19:23:47	87.780%	7.188	0.748	0.729	111.300	107.200	94.912%	96.394%
3	19:24:29	88.919%	7.107	0.676	0.768	109.200	109.900	96.042%	96.991%
x		87.000%	7.068	0.676	0.774	110.700	109.200	93.770%	95.574%
σ		2.405%	0.144	0.071	0.049	1.309	1.728	3.010%	1.961%
%RSD		2.764	2.037	10.480	6.283	1.182	1.583	3.210	2.052
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:23:06	0.071	0.074	0.268	0.298	0.287	88.699%		
2	19:23:47	0.059	0.085	0.264	0.286	0.293	92.241%		
3	19:24:29	0.061	0.045	0.286	0.351	0.309	93.578%		
x		0.063	0.068	0.273	0.312	0.296	91.506%		
σ		0.006	0.021	0.012	0.035	0.012	2.521%		
%RSD		9.874	30.650	4.261	11.230	3.920	2.755		

180-17167-A-5-A SD@5 12/29/2012 7:26:41 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:27:22	91.807%	0.003	47.270	45.550	0.000	7280.000	7520.000	7530.000
2	19:28:04	91.681%	0.037	48.940	49.780	0.000	7254.000	7540.000	7592.000
3	19:28:45	92.126%	0.036	54.260	46.570	0.000	7137.000	7494.000	7535.000
x		91.871%	0.025	50.160	47.300	0.000	7224.000	7518.000	7553.000
σ		0.229%	0.019	3.653	2.209	0.000	76.290	23.330	34.530
%RSD		0.249	76.630	7.284	4.670	0.000	1.056	0.310	0.457

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:27:22	0.563	1527.000	0.000	2559.000	20710.000	20640.000	78.105%	0.511
2	19:28:04	0.508	1540.000	0.000	2587.000	20860.000	20550.000	77.726%	0.113
3	19:28:45	-1.435	1517.000	0.000	2550.000	21410.000	20780.000	77.024%	0.586
x		-0.122	1528.000	0.000	2566.000	20990.000	20660.000	77.618%	0.404
σ		1.138	11.700	0.000	19.450	365.500	116.800	0.549%	0.254
%RSD		936.100	0.766	0.000	0.758	1.741	0.565	0.707	63.020

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:27:22	-3.778	0.615	5.114	34.950	75.070	0.064	0.419	1.426
2	19:28:04	-3.216	0.570	5.596	33.260	63.910	0.060	0.486	1.398
3	19:28:45	-2.562	0.655	4.948	27.560	66.270	0.043	0.240	1.312
x		-3.185	0.614	5.219	31.920	68.420	0.056	0.382	1.379
σ		0.609	0.042	0.337	3.873	5.882	0.011	0.127	0.059
%RSD		19.100	6.900	6.454	12.130	8.597	19.690	33.370	4.314

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:27:22	1.041	2.815	3.704	-1.454	0.409	-0.793	0.000	115.000
2	19:28:04	1.532	3.042	2.520	-0.806	-1.227	-0.927	0.000	116.400
3	19:28:45	1.242	2.421	3.123	-0.841	-1.374	-1.220	0.000	114.500
x		1.272	2.759	3.116	-1.034	-0.731	-0.980	0.000	115.300
σ		0.247	0.314	0.592	0.364	0.990	0.219	0.000	1.009
%RSD		19.390	11.380	19.010	35.230	135.500	22.290	0.000	0.875

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:27:22	77.837%	0.244	0.360	79.015%	0.042	-0.002	-0.070	-0.113
2	19:28:04	78.004%	0.242	0.216	79.403%	0.013	0.019	0.072	-0.005
3	19:28:45	79.029%	0.144	0.073	79.036%	0.003	-0.002	-0.010	-0.113
x		78.290%	0.210	0.216	79.151%	0.019	0.005	-0.003	-0.077
σ		0.645%	0.057	0.143	0.218%	0.020	0.012	0.072	0.062
%RSD		0.824	27.230	66.180	0.276	105.000	235.700	2683.000	80.620

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:27:22	81.502%	3.222	0.194	0.166	20.410	21.880	86.271%	87.645%
2	19:28:04	82.482%	3.386	0.177	0.171	21.490	22.240	87.123%	88.857%
3	19:28:45	83.332%	2.943	0.195	0.169	21.810	21.870	88.125%	88.952%
x		82.439%	3.183	0.189	0.169	21.240	22.000	87.173%	88.484%
σ		0.916%	0.224	0.010	0.002	0.731	0.213	0.928%	0.729%
%RSD		1.111	7.028	5.510	1.266	3.443	0.970	1.065	0.824

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:27:22	0.068	0.077	0.088	0.067	0.094	82.350%
2	19:28:04	0.064	0.063	0.071	0.098	0.093	84.135%
3	19:28:45	0.060	0.054	0.056	0.085	0.067	84.982%
x		0.064	0.064	0.072	0.083	0.085	83.822%
σ		0.004	0.012	0.016	0.015	0.015	1.343%
%RSD		6.613	18.050	22.370	18.640	17.820	1.603

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:34:31	75.172%	108.000	110.100	106.900	0.000	51510.000	44910.000	45030.000
2	19:35:13	76.584%	110.000	105.600	106.400	0.000	50840.000	45120.000	45500.000
3	19:35:55	77.679%	106.600	103.700	105.300	0.000	50880.000	45510.000	45690.000
x		76.478%	108.200%	106.441%	106.194%	0.000	102.157%	90.367%	90.811%
σ		1.257%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.643	1.604	3.097	0.767	0.000	0.741	0.675	0.755

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:34:31	507.500	5163.000	0.000	52080.000	52570.000	51450.000	70.250%	105.200
2	19:35:13	512.000	5219.000	0.000	51360.000	51090.000	51770.000	72.472%	105.200
3	19:35:55	507.300	5265.000	0.000	51320.000	53920.000	51550.000	74.327%	102.500
x		101.785%	104.321%	0.000	103.171%	105.052%	103.181%	72.350%	104.316%
σ		n/a	n/a	0.000	n/a	n/a	n/a	2.041%	n/a
%RSD		0.520	0.980	0.000	0.834	2.697	0.312	2.821	1.471

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:34:31	104.800	105.000	511.200	26020.000	25630.000	103.500	108.200	104.200
2	19:35:13	105.500	104.900	518.900	25610.000	25840.000	106.100	106.200	106.800
3	19:35:55	102.800	106.000	515.400	25570.000	26000.000	105.200	105.000	107.100
x		104.371%	105.277%	103.035%	102.941%	103.298%	104.936%	106.431%	106.041%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.322	0.582	0.748	0.962	0.728	1.254	1.515	1.550

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:34:31	105.400	103.200	104.900	97.570	101.100	94.720	0.000	97.160
2	19:35:13	105.700	101.900	106.400	100.200	98.400	98.640	0.000	95.710
3	19:35:55	103.200	105.300	104.400	103.600	98.490	103.000	0.000	96.450
x		104.761%	103.474%	105.250%	100.438%	99.336%	98.798%	0.000	96.443%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.317	1.671	0.981	2.992	1.554	4.211	0.000	0.750

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:34:31	79.442%	96.220	98.470	75.464%	98.000	98.000	98.050	98.590
2	19:35:13	82.890%	100.100	100.600	78.812%	98.010	98.140	97.770	96.110
3	19:35:55	83.499%	102.300	101.600	80.804%	99.320	101.500	98.330	100.400
x		81.943%	99.544%	100.235%	78.360%	98.444%	99.223%	98.050%	98.358%
σ		2.188%	n/a	n/a	2.699%	n/a	n/a	n/a	n/a
%RSD		2.670	3.103	1.606	3.444	0.769	2.017	0.289	2.176

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:34:31	79.015%	98.190	98.570	99.440	94.510	96.910	84.458%	84.559%
2	19:35:13	83.187%	99.510	97.680	98.710	96.040	97.300	87.986%	89.218%
3	19:35:55	83.988%	101.500	99.640	99.140	96.180	96.940	89.471%	90.853%
x		82.063%	99.741%	98.629%	99.095%	95.576%	97.051%	87.305%	88.210%
σ		2.670%	n/a	n/a	n/a	n/a	n/a	2.575%	3.266%
%RSD		3.254	1.686	0.993	0.368	0.968	0.226	2.949	3.703

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:34:31	99.520	98.750	100.400	99.310	100.200	83.516%
2	19:35:13	99.890	99.650	101.500	101.900	101.600	86.942%
3	19:35:55	101.100	100.100	100.700	101.600	101.500	88.589%
x		100.167%	99.497%	100.881%	100.924%	101.093%	86.349%
σ		n/a	n/a	n/a	n/a	n/a	2.588%
%RSD		0.818	0.683	0.533	1.395	0.775	2.997

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:42:21	86.219%	0.040	2.445	2.593	0.000	-32.230	16.210	14.240
2	19:43:03	87.267%	0.039	4.060	2.431	0.000	-1.746	25.800	24.590
3	19:43:45	86.120%	-0.031	1.417	2.341	0.000	-58.100	4.007	4.983
x		86.535%	0.016	2.641	2.455	0.000	-30.690	15.340	14.600
σ		0.636%	0.041	1.332	0.128	0.000	28.210	10.920	9.807
%RSD		0.735	248.700	50.450	5.202	0.000	91.910	71.220	67.150

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:42:21	-2.811	5.056	0.000	7.213	30.600	34.250	80.161%	-0.023
2	19:43:03	-2.038	5.999	0.000	15.190	92.000	60.820	80.217%	0.107
3	19:43:45	-4.128	4.836	0.000	-3.941	19.290	11.200	80.613%	0.106
x		-2.992	5.297	0.000	6.155	47.290	35.420	80.330%	0.063
σ		1.057	0.618	0.000	9.612	39.120	24.830	0.246%	0.074
%RSD		35.310	11.670	0.000	156.200	82.720	70.100	0.307	117.400

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:42:21	-0.004	0.040	0.178	15.260	22.220	0.016	0.077	0.437
2	19:43:03	0.085	0.075	0.438	16.320	19.450	0.060	0.182	0.409
3	19:43:45	-0.093	-0.038	0.049	6.293	9.242	-0.000	0.055	0.397
x		-0.004	0.025	0.222	12.620	16.970	0.025	0.105	0.415
σ		0.089	0.058	0.198	5.509	6.836	0.031	0.068	0.020
%RSD		2173.000	227.200	89.380	43.640	40.280	123.900	64.980	4.905

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:42:21	0.400	0.613	1.080	-0.055	-1.200	-0.204	0.000	0.273
2	19:43:03	0.457	0.839	0.127	0.166	-1.005	0.393	0.000	0.446
3	19:43:45	0.243	0.294	0.081	0.011	-0.286	-0.061	0.000	0.092
x		0.367	0.582	0.430	0.041	-0.830	0.043	0.000	0.270
σ		0.111	0.274	0.564	0.113	0.482	0.312	0.000	0.177
%RSD		30.200	47.060	131.300	279.000	57.990	730.300	0.000	65.430

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:42:21	80.711%	0.275	0.229	82.469%	0.059	0.028	-0.022	-0.053
2	19:43:03	82.344%	0.188	0.127	83.260%	0.081	0.042	0.032	0.005
3	19:43:45	82.208%	0.199	0.101	84.126%	0.007	0.018	0.117	0.056
x		81.754%	0.221	0.153	83.285%	0.049	0.029	0.042	0.002
σ		0.906%	0.047	0.068	0.829%	0.038	0.012	0.070	0.055
%RSD		1.109	21.420	44.440	0.995	77.150	42.180	167.300	2185.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:42:21	82.988%	0.662	0.039	0.033	0.014	0.074	85.436%	86.150%
2	19:43:03	84.901%	0.616	0.092	0.083	0.012	0.239	86.077%	86.968%
3	19:43:45	84.284%	0.676	0.037	-0.007	0.037	0.026	87.862%	88.488%
x		84.058%	0.651	0.056	0.036	0.021	0.113	86.458%	87.202%
σ		0.976%	0.031	0.031	0.045	0.014	0.112	1.258%	1.186%
%RSD		1.162	4.815	55.760	124.200	66.000	99.310	1.454	1.361

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:42:21	0.086	0.084	0.046	0.033	0.046	88.762%
2	19:43:03	0.076	0.091	0.093	0.045	0.060	89.421%
3	19:43:45	0.023	0.052	-0.003	0.002	0.010	89.983%
x		0.062	0.076	0.046	0.027	0.039	89.389%
σ		0.034	0.021	0.048	0.022	0.026	0.611%
%RSD		55.140	27.480	105.300	83.580	67.340	0.684

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:46:40	106.786%	48.340	1203.000	1153.000	0.000	79290.000	86860.000	86830.000
2	19:47:22	111.091%	49.080	1191.000	1151.000	0.000	77730.000	85240.000	85380.000
3	19:48:03	112.509%	50.660	1202.000	1157.000	0.000	77640.000	84900.000	85400.000
x		110.128%	49.360	1199.000	1154.000	0.000	78220.000	85670.000	85870.000
σ		2.980%	1.186	6.549	2.877	0.000	925.800	1050.000	832.500
%RSD		2.706	2.403	0.546	0.249	0.000	1.184	1.225	0.969

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:46:40	1687.000	16370.000	0.000	60510.000	151900.000	153200.000	79.784%	940.400
2	19:47:22	1684.000	16360.000	0.000	59200.000	149100.000	153600.000	81.560%	934.700
3	19:48:03	1686.000	16390.000	0.000	59090.000	150000.000	154100.000	82.060%	944.200
x		1686.000	16370.000	0.000	59600.000	150300.000	153700.000	81.135%	939.800
σ		1.400	13.850	0.000	789.800	1417.000	441.000	1.197%	4.769
%RSD		0.083	0.085	0.000	1.325	0.943	0.287	1.475	0.507

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:46:40	461.100	189.500	490.700	845.300	1228.000	470.300	466.400	225.900
2	19:47:22	465.100	191.800	498.100	856.700	1273.000	473.500	465.600	231.700
3	19:48:03	460.800	194.200	497.100	846.600	1235.000	471.500	459.900	230.200
x		462.400	191.800	495.300	849.500	1245.000	471.800	463.900	229.200
σ		2.382	2.372	4.003	6.224	24.130	1.641	3.566	3.027
%RSD		0.515	1.236	0.808	0.733	1.938	0.348	0.769	1.320

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:46:40	223.200	475.600	484.000	38.200	7.640	8.346	0.000	1576.000
2	19:47:22	227.300	480.300	490.800	35.950	7.562	9.162	0.000	1604.000
3	19:48:03	231.300	484.100	493.000	35.480	7.354	7.901	0.000	1611.000
x		227.300	480.000	489.300	36.540	7.519	8.469	0.000	1597.000
σ		4.074	4.227	4.698	1.453	0.148	0.640	0.000	18.870
%RSD		1.793	0.881	0.960	3.976	1.965	7.551	0.000	1.182

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:46:40	74.604%	1018.000	1013.000	74.875%	47.700	45.710	46.140	37.700
2	19:47:22	75.822%	1038.000	1028.000	77.073%	47.340	47.030	48.630	37.880
3	19:48:03	76.379%	1032.000	1031.000	77.913%	46.620	46.790	47.530	40.990
x		75.602%	1029.000	1024.000	76.620%	47.220	46.510	47.430	38.850
σ		0.908%	9.850	9.659	1.569%	0.548	0.707	1.246	1.847
%RSD		1.201	0.957	0.944	2.048	1.160	1.519	2.627	4.755

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:46:40	80.331%	1931.000	477.200	480.600	1947.000	1944.000	85.625%	88.707%
2	19:47:22	82.320%	1957.000	484.900	487.400	1949.000	1951.000	89.868%	92.169%
3	19:48:03	83.636%	1951.000	488.300	481.700	1957.000	1951.000	91.466%	93.567%
x		82.095%	1947.000	483.500	483.200	1951.000	1949.000	88.986%	91.481%
σ		1.664%	13.480	5.687	3.610	4.999	4.269	3.019%	2.502%
%RSD		2.027	0.692	1.176	0.747	0.256	0.219	3.392	2.735

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:46:40	45.530	44.910	20.020	19.870	19.910	84.578%
2	19:47:22	46.510	45.560	19.540	19.010	19.410	89.556%
3	19:48:03	46.550	46.550	20.080	20.020	19.890	88.863%
x		46.200	45.670	19.880	19.640	19.740	87.666%
σ		0.583	0.825	0.292	0.545	0.284	2.696%
%RSD		1.261	1.805	1.471	2.775	1.436	3.076

180-17167-A-5-C MSD 12/29/2012 7:50:16 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:50:57	109.844%	47.530	1191.000	1140.000	0.000	76800.000	84740.000	84580.000
2	19:51:39	109.665%	50.420	1238.000	1142.000	0.000	76990.000	84390.000	84530.000
3	19:52:21	110.959%	48.670	1222.000	1153.000	0.000	76900.000	84320.000	84300.000
x		110.156%	48.870	1217.000	1145.000	0.000	76900.000	84480.000	84470.000
σ		0.701%	1.455	24.140	6.955	0.000	96.920	220.600	152.800
%RSD		0.636	2.977	1.984	0.607	0.000	0.126	0.261	0.181

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:50:57	1668.000	16070.000	0.000	58730.000	150400.000	151900.000	80.237%	925.700
2	19:51:39	1679.000	16180.000	0.000	58690.000	148700.000	152600.000	81.191%	924.800
3	19:52:21	1673.000	16140.000	0.000	58690.000	149700.000	153500.000	80.875%	937.500
x		1673.000	16130.000	0.000	58700.000	149600.000	152700.000	80.768%	929.300
σ		5.434	55.240	0.000	25.170	877.600	778.200	0.486%	7.057
%RSD		0.325	0.342	0.000	0.043	0.587	0.510	0.602	0.759

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:50:57	463.300	192.900	493.000	844.400	1205.000	473.100	464.100	227.600
2	19:51:39	460.200	189.800	497.300	841.800	1250.000	470.400	457.800	228.100
3	19:52:21	460.000	193.000	497.000	847.100	1212.000	467.000	466.400	229.700
x		461.200	191.900	495.800	844.500	1223.000	470.200	462.800	228.500
σ		1.865	1.795	2.355	2.662	23.980	3.028	4.465	1.089
%RSD		0.404	0.935	0.475	0.315	1.961	0.644	0.965	0.477

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:50:57	226.900	485.300	494.100	35.840	7.372	7.971	0.000	1620.000
2	19:51:39	226.600	491.800	493.200	36.350	7.316	7.564	0.000	1633.000
3	19:52:21	230.500	493.700	504.000	36.800	5.804	8.943	0.000	1644.000
x		228.000	490.300	497.100	36.330	6.831	8.159	0.000	1632.000
σ		2.137	4.434	6.000	0.482	0.889	0.709	0.000	11.820
%RSD		0.937	0.904	1.207	1.327	13.020	8.686	0.000	0.724

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:50:57	73.465%	1029.000	1019.000	76.097%	47.580	45.960	47.240	39.480
2	19:51:39	74.762%	1034.000	1032.000	77.431%	47.500	45.860	46.310	39.030
3	19:52:21	74.553%	1043.000	1027.000	78.066%	46.390	46.160	46.500	39.160
x		74.260%	1035.000	1026.000	77.198%	47.160	45.990	46.680	39.230
σ		0.696%	7.484	7.008	1.005%	0.667	0.154	0.490	0.232
%RSD		0.938	0.723	0.683	1.302	1.415	0.334	1.049	0.592

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:50:57	82.750%	1906.000	478.200	478.100	1927.000	1909.000	89.912%	90.955%
2	19:51:39	84.093%	1944.000	482.900	486.100	1939.000	1933.000	91.447%	93.592%
3	19:52:21	84.652%	1943.000	485.800	483.300	1938.000	1932.000	92.521%	94.261%
x		83.831%	1931.000	482.300	482.500	1935.000	1925.000	91.293%	92.936%
σ		0.978%	21.360	3.846	4.090	6.556	13.270	1.311%	1.748%
%RSD		1.166	1.106	0.797	0.848	0.339	0.690	1.436	1.881

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:50:57	47.020	45.910	19.990	19.110	19.700	86.084%
2	19:51:39	46.610	46.330	20.090	19.940	20.140	89.389%
3	19:52:21	46.730	45.660	19.710	19.570	19.610	92.210%
x		46.790	45.960	19.930	19.540	19.820	89.228%
σ		0.211	0.340	0.196	0.414	0.281	3.066%
%RSD		0.451	0.739	0.985	2.121	1.417	3.436

180-17167-A-6-A 12/29/2012 7:54:31 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:13	94.455%	-0.031	130.700	124.500	0.000	21000.000	26160.000	26230.000
2	19:55:54	95.066%	-0.031	126.900	126.700	0.000	20810.000	26290.000	26260.000
3	19:56:36	97.116%	-0.031	119.200	116.800	0.000	20490.000	26000.000	26120.000
x		95.546%	-0.031	125.600	122.600	0.000	20770.000	26150.000	26200.000
σ		1.394%	0.000	5.900	5.190	0.000	260.400	148.600	73.830
%RSD		1.459	0.000	4.698	4.232	0.000	1.254	0.568	0.282

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:13	-0.403	10250.000	0.000	5198.000	66670.000	66630.000	71.323%	4.059
2	19:55:54	-1.082	10290.000	0.000	5191.000	66500.000	66040.000	72.650%	3.126
3	19:56:36	-1.126	10230.000	0.000	5187.000	66720.000	65540.000	73.362%	3.307
x		-0.870	10260.000	0.000	5192.000	66630.000	66070.000	72.445%	3.497
σ		0.405	30.460	0.000	5.928	114.300	544.100	1.035%	0.495
%RSD		46.530	0.297	0.000	0.114	0.172	0.824	1.428	14.140

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:13	-2.345	0.780	334.800	70240.000	72450.000	0.323	1.465	2.749
2	19:55:54	-2.454	0.593	335.200	69580.000	72850.000	0.276	1.452	2.476
3	19:56:36	-3.017	0.570	335.100	69130.000	72740.000	0.229	1.685	2.234
x		-2.605	0.648	335.000	69650.000	72680.000	0.276	1.534	2.486
σ		0.361	0.115	0.157	559.900	204.800	0.047	0.131	0.258
%RSD		13.840	17.810	0.047	0.804	0.282	17.050	8.537	10.370

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:13	2.373	7.690	8.229	9.240	0.337	-0.198	0.000	382.400
2	19:55:54	2.184	6.916	7.210	9.294	-0.007	-1.191	0.000	383.600
3	19:56:36	2.532	7.257	7.555	11.160	-1.362	-1.814	0.000	385.800
x		2.363	7.288	7.665	9.898	-0.344	-1.068	0.000	383.900
σ		0.175	0.388	0.518	1.092	0.898	0.815	0.000	1.741
%RSD		7.386	5.327	6.758	11.030	261.100	76.310	0.000	0.454

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:13	72.986%	5.114	5.406	71.932%	0.009	0.021	-0.044	-0.193
2	19:55:54	74.298%	2.779	2.529	73.218%	0.014	-0.002	-0.070	-0.187
3	19:56:36	75.048%	2.239	1.919	74.353%	0.019	-0.002	0.021	-0.063
x		74.111%	3.377	3.284	73.168%	0.014	0.006	-0.031	-0.148
σ		1.043%	1.528	1.862	1.211%	0.005	0.013	0.047	0.074
%RSD		1.408	45.250	56.700	1.656	33.980	217.700	149.300	49.760

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:13	76.486%	16.160	0.508	0.578	115.800	115.200	84.497%	85.930%
2	19:55:54	79.277%	12.350	0.364	0.381	114.600	114.100	86.534%	88.098%
3	19:56:36	80.119%	11.860	0.427	0.390	114.600	113.400	88.432%	89.535%
x		78.628%	13.460	0.433	0.450	115.000	114.200	86.488%	87.854%
σ		1.902%	2.351	0.073	0.111	0.698	0.912	1.968%	1.815%
%RSD		2.418	17.470	16.770	24.750	0.607	0.799	2.276	2.066

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:13	0.984	1.004	0.581	0.554	0.564	85.406%
2	19:55:54	0.719	0.701	0.526	0.523	0.503	88.337%
3	19:56:36	0.588	0.575	0.595	0.512	0.539	88.263%
x		0.764	0.760	0.567	0.530	0.535	87.335%
σ		0.201	0.221	0.036	0.022	0.031	1.672%
%RSD		26.360	29.030	6.399	4.141	5.790	1.914

180-17167-A-7-A 12/29/2012 7:58:46 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:59:27	93.238%	-0.031	42.930	40.860	0.000	46940.000	39960.000	40240.000
2	20:00:09	95.580%	-0.031	40.150	39.320	0.000	46710.000	40100.000	40600.000
3	20:00:51	96.805%	-0.031	38.020	37.000	0.000	46630.000	40220.000	40520.000
x		95.208%	-0.031	40.360	39.060	0.000	46760.000	40090.000	40460.000
σ		1.812%	0.000	2.460	1.943	0.000	159.700	132.600	190.800
%RSD		1.904	0.000	6.095	4.976	0.000	0.342	0.331	0.472
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:59:27	-3.167	8388.000	0.000	1275.000	40140.000	40430.000	70.982%	1.885
2	20:00:09	-3.366	8384.000	0.000	1286.000	41450.000	40640.000	71.722%	2.009
3	20:00:51	-3.452	8362.000	0.000	1286.000	40670.000	41050.000	72.073%	1.638
x		-3.328	8378.000	0.000	1282.000	40750.000	40710.000	71.592%	1.844
σ		0.146	14.390	0.000	6.502	658.300	316.400	0.557%	0.189
%RSD		4.393	0.172	0.000	0.507	1.615	0.777	0.778	10.240
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:59:27	-5.156	0.463	490.900	25550.000	26080.000	3.302	0.899	1.974
2	20:00:09	-4.470	0.428	497.200	25350.000	26450.000	3.122	0.540	1.902
3	20:00:51	-2.708	0.429	501.200	25360.000	26400.000	3.364	0.681	1.922
x		-4.111	0.440	496.400	25420.000	26310.000	3.263	0.707	1.933
σ		1.262	0.020	5.210	110.300	199.000	0.126	0.181	0.037
%RSD		30.710	4.509	1.049	0.434	0.756	3.860	25.560	1.909
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:59:27	1.415	2.205	2.459	27.780	-0.213	-0.242	0.000	295.200
2	20:00:09	2.155	1.754	2.325	28.740	-1.722	-1.222	0.000	298.300
3	20:00:51	1.259	1.155	2.338	27.000	-1.368	0.089	0.000	297.200
x		1.610	1.705	2.374	27.840	-1.101	-0.458	0.000	296.900
σ		0.479	0.527	0.074	0.869	0.789	0.681	0.000	1.527
%RSD		29.740	30.910	3.119	3.122	71.680	148.600	0.000	0.514
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:59:27	73.357%	15.860	17.510	72.207%	0.004	-0.001	-0.185	-0.226
2	20:00:09	74.228%	16.850	16.920	73.973%	-0.006	0.009	0.032	-0.048
3	20:00:51	75.744%	16.870	17.080	74.340%	0.004	-0.002	-0.101	-0.140
x		74.443%	16.530	17.170	73.507%	0.000	0.002	-0.085	-0.138
σ		1.207%	0.576	0.303	1.140%	0.006	0.006	0.109	0.089
%RSD		1.622	3.488	1.767	1.551	1605.000	293.800	128.700	64.380
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:59:27	77.052%	8.171	0.119	0.023	93.870	92.030	84.590%	85.913%
2	20:00:09	78.752%	8.248	0.116	0.036	97.650	95.530	86.824%	87.570%
3	20:00:51	80.287%	7.218	0.103	0.128	93.990	97.180	88.049%	89.863%
x		78.697%	7.879	0.112	0.062	95.170	94.910	86.488%	87.782%
σ		1.618%	0.574	0.009	0.057	2.145	2.632	1.754%	1.984%
%RSD		2.056	7.281	7.604	92.140	2.254	2.773	2.028	2.260
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:59:27	0.351	0.343	0.066	0.058	0.066	82.709%		
2	20:00:09	0.292	0.274	0.009	0.055	0.042	86.502%		
3	20:00:51	0.262	0.229	0.032	0.049	0.053	88.771%		
x		0.302	0.282	0.035	0.054	0.054	85.994%		
σ		0.045	0.058	0.029	0.005	0.012	3.063%		
%RSD		14.960	20.390	80.430	8.900	22.420	3.562		

180-17167-A-8-A 12/29/2012 8:03:00 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:03:42	99.376%	-0.031	64.460	66.540	0.000	47810.000	51960.000	57790.000
2	20:04:24	99.705%	-0.031	69.480	67.260	0.000	48020.000	52730.000	57870.000
3	20:05:05	98.928%	-0.031	68.780	67.560	0.000	48300.000	53160.000	58180.000
x		99.336%	-0.031	67.570	67.120	0.000	48040.000	52620.000	57950.000
σ		0.390%	0.000	2.719	0.522	0.000	250.000	610.000	207.400
%RSD		0.393	0.000	4.024	0.777	0.000	0.520	1.159	0.358

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:03:42	39.530	9859.000	0.000	3340.000	65060.000	65010.000	75.417%	4.318
2	20:04:24	39.190	10070.000	0.000	3369.000	65720.000	65290.000	76.653%	3.635
3	20:05:05	38.540	10100.000	0.000	3401.000	65460.000	65650.000	76.920%	3.892
x		39.090	10010.000	0.000	3370.000	65410.000	65310.000	76.330%	3.948
σ		0.502	130.400	0.000	30.290	333.900	322.000	0.802%	0.345
%RSD		1.285	1.303	0.000	0.899	0.510	0.493	1.050	8.736

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:03:42	-4.337	0.870	2628.000	16140.000	16540.000	47.470	19.540	2.406
2	20:04:24	-2.800	0.990	2667.000	16030.000	16750.000	48.050	20.670	2.506
3	20:05:05	-3.743	0.931	2661.000	15950.000	16690.000	47.920	22.980	2.803
x		-3.627	0.930	2652.000	16040.000	16660.000	47.810	21.060	2.572
σ		0.775	0.060	21.100	93.930	104.900	0.307	1.754	0.206
%RSD		21.370	6.462	0.796	0.586	0.630	0.643	8.329	8.013

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:03:42	2.561	7.088	8.510	1.155	-0.897	-2.195	0.000	544.000
2	20:04:24	2.764	8.176	8.132	0.088	-1.110	-1.045	0.000	543.200
3	20:05:05	2.314	7.742	8.274	3.545	-0.735	-0.260	0.000	545.800
x		2.546	7.669	8.306	1.596	-0.914	-1.167	0.000	544.300
σ		0.225	0.547	0.191	1.770	0.188	0.973	0.000	1.322
%RSD		8.847	7.137	2.300	110.900	20.550	83.420	0.000	0.243

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:03:42	76.244%	1.129	1.215	74.957%	0.024	0.014	0.066	-0.051
2	20:04:24	78.666%	1.153	1.160	77.345%	0.003	-0.002	0.003	-0.180
3	20:05:05	78.620%	1.066	1.119	77.978%	-0.002	0.003	-0.049	-0.133
x		77.843%	1.116	1.165	76.760%	0.008	0.005	0.007	-0.122
σ		1.385%	0.045	0.048	1.593%	0.013	0.008	0.058	0.065
%RSD		1.779	4.019	4.143	2.076	159.400	155.100	870.200	53.700

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:03:42	80.007%	6.906	0.150	0.109	86.540	83.800	86.715%	89.410%
2	20:04:24	83.086%	7.386	0.078	0.148	85.600	86.480	91.386%	91.836%
3	20:05:05	83.030%	7.129	0.129	0.090	85.520	83.980	91.345%	92.321%
x		82.041%	7.140	0.119	0.116	85.890	84.750	89.815%	91.189%
σ		1.762%	0.240	0.037	0.030	0.564	1.498	2.685%	1.560%
%RSD		2.147	3.363	31.100	25.660	0.656	1.768	2.990	1.710

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:03:42	0.209	0.200	0.458	0.449	0.492	85.981%
2	20:04:24	0.209	0.214	0.559	0.458	0.519	89.509%
3	20:05:05	0.186	0.179	0.539	0.461	0.513	91.123%
x		0.202	0.198	0.519	0.456	0.508	88.871%
σ		0.013	0.018	0.053	0.006	0.015	2.630%
%RSD		6.603	8.909	10.250	1.333	2.856	2.959

180-17167-A-9-A 12/29/2012 8:07:15 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:07:57	94.165%	0.036	32.380	31.380	0.000	11540.000	3920.000	3939.000
2	20:08:39	95.293%	-0.031	30.600	32.180	0.000	11410.000	3914.000	3931.000
3	20:09:21	95.348%	0.002	33.550	31.770	0.000	11410.000	3885.000	3916.000
x		94.935%	0.002	32.180	31.780	0.000	11450.000	3906.000	3929.000
σ		0.668%	0.033	1.487	0.400	0.000	75.490	18.740	11.860
%RSD		0.704	1439.000	4.621	1.259	0.000	0.659	0.480	0.302
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:07:57	76.120	4673.000	0.000	5112.000	27960.000	28350.000	71.419%	4.708
2	20:08:39	72.620	4660.000	0.000	5167.000	28640.000	28320.000	71.600%	5.343
3	20:09:21	73.110	4633.000	0.000	5154.000	29160.000	28280.000	71.825%	5.399
x		73.950	4656.000	0.000	5144.000	28590.000	28320.000	71.615%	5.150
σ		1.895	20.460	0.000	28.860	601.000	37.980	0.203%	0.384
%RSD		2.562	0.440	0.000	0.561	2.102	0.134	0.284	7.456
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:07:57	-3.286	1.395	237.500	13600.000	13620.000	0.195	5.267	6.403
2	20:08:39	-3.443	1.414	235.500	13410.000	13540.000	0.229	4.738	6.378
3	20:09:21	-1.246	1.306	236.900	13360.000	13660.000	0.210	4.461	6.489
x		-2.658	1.372	236.600	13460.000	13610.000	0.211	4.822	6.423
σ		1.225	0.058	1.009	123.600	59.270	0.017	0.410	0.058
%RSD		46.090	4.217	0.426	0.919	0.436	8.084	8.501	0.909
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:07:57	6.159	58.610	61.340	-0.596	-0.336	-0.385	0.000	271.600
2	20:08:39	6.300	57.280	60.500	0.873	-1.330	0.276	0.000	269.700
3	20:09:21	6.451	60.210	62.610	0.451	-1.069	-0.954	0.000	270.900
x		6.303	58.700	61.480	0.243	-0.912	-0.354	0.000	270.700
σ		0.146	1.467	1.063	0.757	0.515	0.616	0.000	0.979
%RSD		2.319	2.499	1.729	311.900	56.530	173.800	0.000	0.361
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:07:57	72.904%	0.462	0.249	72.955%	0.004	-0.007	0.239	0.251
2	20:08:39	74.545%	0.331	0.283	74.261%	-0.001	-0.007	0.266	0.229
3	20:09:21	74.604%	0.244	0.246	74.393%	0.014	-0.007	0.008	0.062
x		74.018%	0.346	0.259	73.870%	0.005	-0.007	0.171	0.180
σ		0.965%	0.110	0.020	0.795%	0.008	0.000	0.142	0.103
%RSD		1.304	31.770	7.781	1.076	142.300	0.000	82.740	57.330
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:07:57	77.500%	5.853	0.324	0.287	43.820	41.820	83.815%	85.114%
2	20:08:39	78.974%	5.497	0.302	0.254	43.710	43.430	84.995%	86.263%
3	20:09:21	78.946%	6.070	0.306	0.355	44.900	42.740	87.098%	87.557%
x		78.473%	5.806	0.311	0.299	44.140	42.670	85.303%	86.311%
σ		0.843%	0.289	0.012	0.051	0.654	0.806	1.663%	1.222%
%RSD		1.074	4.984	3.785	17.230	1.481	1.890	1.950	1.416
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:07:57	0.152	0.115	0.961	0.834	0.935	84.601%		
2	20:08:39	0.122	0.104	0.939	0.971	0.975	86.888%		
3	20:09:21	0.103	0.112	1.036	0.846	0.943	88.173%		
x		0.126	0.111	0.979	0.884	0.951	86.554%		
σ		0.025	0.006	0.051	0.076	0.021	1.809%		
%RSD		19.760	5.431	5.183	8.581	2.243	2.090		

180-17167-A-10-A 12/29/2012 8:11:31 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:12:12	96.920%	-0.031	3.892	4.174	0.000	-62.800	5.477	5.681
2	20:12:54	101.089%	0.000	5.630	3.636	0.000	-69.940	1.468	1.033
3	20:13:36	100.978%	-0.031	3.711	3.924	0.000	-55.550	8.097	8.153
x		99.662%	-0.020	4.411	3.911	0.000	-62.760	5.014	4.956
σ		2.375%	0.018	1.059	0.270	0.000	7.195	3.339	3.615
%RSD		2.384	87.700	24.010	6.892	0.000	11.460	66.590	72.950

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:12:12	-2.727	18.280	0.000	2.239	21.110	21.120	73.868%	0.967
2	20:12:54	-3.296	16.460	0.000	0.442	26.890	10.770	74.340%	0.680
3	20:13:36	-2.921	17.810	0.000	3.747	32.560	30.670	74.989%	0.466
x		-2.981	17.510	0.000	2.143	26.850	20.860	74.399%	0.704
σ		0.289	0.943	0.000	1.654	5.729	9.955	0.563%	0.251
%RSD		9.688	5.386	0.000	77.200	21.330	47.730	0.757	35.630

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:12:12	-4.402	0.814	0.305	16.020	26.520	0.003	0.064	1.492
2	20:12:54	-5.946	0.818	0.178	8.577	14.840	-0.007	0.063	1.564
3	20:13:36	-7.046	0.761	0.438	10.650	18.220	-0.024	0.154	1.430
x		-5.798	0.798	0.307	11.750	19.860	-0.009	0.094	1.495
σ		1.328	0.032	0.130	3.841	6.008	0.014	0.052	0.067
%RSD		22.910	3.971	42.290	32.690	30.260	144.600	55.300	4.480

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:12:12	0.849	0.572	0.390	-0.654	-1.107	-2.598	0.000	0.173
2	20:12:54	1.712	0.332	0.638	-0.932	-1.270	-1.405	0.000	0.110
3	20:13:36	1.541	0.734	0.486	0.323	-2.314	0.422	0.000	0.289
x		1.367	0.546	0.505	-0.421	-1.564	-1.194	0.000	0.191
σ		0.457	0.202	0.125	0.659	0.655	1.521	0.000	0.091
%RSD		33.420	36.990	24.750	156.700	41.870	127.400	0.000	47.530

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:12:12	75.147%	0.009	0.046	76.073%	0.008	0.009	0.058	-0.027
2	20:12:54	76.118%	-0.065	-0.053	77.198%	0.028	-0.007	-0.087	-0.079
3	20:13:36	76.320%	-0.011	0.108	77.594%	0.008	0.014	-0.174	-0.164
x		75.862%	-0.022	0.034	76.955%	0.015	0.005	-0.067	-0.090
σ		0.627%	0.039	0.081	0.789%	0.011	0.011	0.117	0.069
%RSD		0.826	173.200	238.300	1.025	75.920	204.300	174.100	77.130

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:12:12	79.958%	4.923	0.077	0.021	-0.010	0.171	85.565%	85.909%
2	20:12:54	81.104%	5.189	0.029	0.027	0.042	-0.018	85.526%	87.849%
3	20:13:36	80.556%	5.417	0.030	0.034	0.041	0.075	87.309%	87.254%
x		80.539%	5.176	0.045	0.028	0.025	0.076	86.133%	87.004%
σ		0.573%	0.247	0.028	0.006	0.030	0.095	1.018%	0.994%
%RSD		0.711	4.774	60.880	23.290	122.000	125.000	1.182	1.142

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:12:12	0.117	0.073	0.016	0.031	0.019	86.554%
2	20:12:54	0.080	0.086	0.001	0.014	0.010	88.514%
3	20:13:36	0.086	0.080	0.005	-0.006	0.008	88.360%
x		0.094	0.079	0.007	0.013	0.012	87.809%
σ		0.020	0.006	0.008	0.018	0.006	1.090%
%RSD		21.080	8.152	105.700	139.700	47.330	1.241

180-17167-A-11-A 12/29/2012 8:15:46 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:16:28	95.964%	-0.031	3.951	3.394	0.000	55.730	1.412	1.614
2	20:17:10	97.624%	-0.031	2.591	3.975	0.000	61.370	3.144	3.443
3	20:17:51	99.953%	-0.031	4.907	3.168	0.000	61.730	3.416	4.946
x		97.847%	-0.031	3.816	3.512	0.000	59.610	2.658	3.334
σ		2.004%	0.000	1.164	0.416	0.000	3.367	1.087	1.669
%RSD		2.048	0.000	30.500	11.850	0.000	5.648	40.900	50.050

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:16:28	-3.624	100.400	0.000	1.303	34.020	49.920	72.067%	0.489
2	20:17:10	-3.689	100.200	0.000	1.199	21.550	58.480	72.466%	0.414
3	20:17:51	-3.813	100.600	0.000	3.314	51.400	43.970	73.474%	0.549
x		-3.709	100.400	0.000	1.939	35.660	50.790	72.669%	0.484
σ		0.096	0.222	0.000	1.192	15.000	7.294	0.725%	0.068
%RSD		2.589	0.221	0.000	61.490	42.060	14.360	0.997	13.960

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:16:28	-5.809	0.839	0.144	6.019	10.710	-0.024	0.068	1.307
2	20:17:10	-5.848	0.865	0.209	6.278	11.900	-0.010	0.232	1.650
3	20:17:51	-5.535	1.014	0.176	6.036	9.756	-0.019	0.182	1.656
x		-5.731	0.906	0.176	6.111	10.790	-0.018	0.160	1.538
σ		0.171	0.094	0.032	0.145	1.072	0.007	0.084	0.200
%RSD		2.981	10.410	18.270	2.379	9.937	38.340	52.320	12.980

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:16:28	1.700	0.846	1.105	-2.269	-1.268	-1.812	0.000	0.111
2	20:17:10	1.624	0.905	0.930	1.507	-1.858	-1.609	0.000	0.139
3	20:17:51	1.586	0.817	0.734	0.498	-1.999	-1.377	0.000	0.230
x		1.637	0.856	0.923	-0.088	-1.708	-1.599	0.000	0.160
σ		0.058	0.045	0.186	1.955	0.388	0.218	0.000	0.062
%RSD		3.547	5.240	20.090	2221.000	22.700	13.620	0.000	38.930

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:16:28	72.205%	-0.126	-0.075	73.207%	0.004	-0.007	0.014	-0.041
2	20:17:10	74.096%	-0.101	-0.071	74.632%	0.014	0.009	-0.137	-0.153
3	20:17:51	74.087%	-0.231	-0.045	75.001%	-0.001	-0.007	-0.028	-0.146
x		73.463%	-0.153	-0.064	74.280%	0.005	-0.002	-0.051	-0.113
σ		1.089%	0.069	0.016	0.947%	0.008	0.009	0.078	0.063
%RSD		1.482	45.300	25.210	1.275	142.200	622.600	153.900	55.630

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:16:28	75.635%	4.470	0.033	0.017	0.167	0.052	80.378%	81.883%
2	20:17:10	77.980%	4.632	0.048	0.030	-0.034	0.097	82.657%	83.850%
3	20:17:51	78.625%	4.458	0.052	0.064	0.047	0.031	83.054%	84.676%
x		77.413%	4.520	0.044	0.037	0.060	0.060	82.030%	83.470%
σ		1.573%	0.097	0.010	0.024	0.101	0.034	1.444%	1.435%
%RSD		2.032	2.150	22.710	64.990	169.100	55.920	1.761	1.719

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:16:28	0.095	0.090	-0.000	0.035	0.019	81.052%
2	20:17:10	0.047	0.045	0.017	0.004	0.017	84.172%
3	20:17:51	0.061	0.076	0.013	0.008	0.015	84.301%
x		0.068	0.070	0.010	0.015	0.017	83.175%
σ		0.025	0.023	0.009	0.017	0.002	1.840%
%RSD		36.930	32.720	89.010	110.200	12.810	2.212

180-17167-A-12-A 12/29/2012 8:20:03 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:20:44	92.910%	0.003	16.700	12.890	0.000	2492.000	880.500	864.500
2	20:21:26	95.637%	0.035	13.500	14.330	0.000	2520.000	868.600	870.900
3	20:22:08	96.826%	0.002	15.590	13.220	0.000	2510.000	870.000	878.700
x		95.124%	0.013	15.270	13.480	0.000	2507.000	873.000	871.300
σ		2.008%	0.019	1.623	0.757	0.000	14.000	6.505	7.112
%RSD		2.111	143.400	10.630	5.613	0.000	0.559	0.745	0.816

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:20:44	343.100	2551.000	0.000	2843.000	12160.000	11580.000	70.391%	9.348
2	20:21:26	342.100	2550.000	0.000	2879.000	11600.000	11690.000	70.940%	8.175
3	20:22:08	349.100	2579.000	0.000	2925.000	11820.000	11910.000	70.920%	9.851
x		344.800	2560.000	0.000	2882.000	11860.000	11720.000	70.751%	9.124
σ		3.817	16.330	0.000	41.110	282.600	166.700	0.311%	0.860
%RSD		1.107	0.638	0.000	1.426	2.383	1.422	0.440	9.427

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:20:44	-1.732	2.101	116.800	6208.000	6181.000	0.198	0.565	2.853
2	20:21:26	-2.801	2.158	117.400	5146.000	6159.000	0.164	0.851	3.352
3	20:22:08	-2.318	2.007	118.700	5239.000	6318.000	0.176	0.915	3.625
x		-2.284	2.089	117.600	5531.000	6219.000	0.179	0.777	3.277
σ		0.535	0.076	0.963	588.000	86.510	0.017	0.186	0.392
%RSD		23.440	3.661	0.819	10.630	1.391	9.705	23.980	11.950

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:20:44	2.874	8.675	10.980	-0.333	-1.651	-0.132	0.000	90.930
2	20:21:26	3.510	9.314	11.100	1.286	-1.145	-1.105	0.000	91.220
3	20:22:08	2.954	10.130	11.020	1.375	-1.187	-1.096	0.000	91.440
x		3.113	9.372	11.030	0.776	-1.328	-0.778	0.000	91.200
σ		0.346	0.729	0.058	0.961	0.281	0.560	0.000	0.258
%RSD		11.130	7.777	0.526	123.900	21.150	71.950	0.000	0.283

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:20:44	71.820%	-0.079	-0.018	72.359%	-0.001	0.004	-0.129	-0.029
2	20:21:26	73.020%	0.093	0.148	73.320%	0.004	0.010	-0.139	-0.089
3	20:22:08	74.413%	0.115	-0.000	74.396%	-0.001	-0.002	-0.034	-0.085
x		73.084%	0.043	0.043	73.358%	0.000	0.004	-0.100	-0.068
σ		1.298%	0.107	0.091	1.019%	0.003	0.006	0.057	0.033
%RSD		1.776	248.100	211.800	1.389	768.100	136.600	57.230	49.120

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:20:44	76.090%	3.970	0.088	0.116	10.840	11.690	82.411%	82.969%
2	20:21:26	77.641%	4.360	0.123	0.092	10.740	10.890	84.872%	85.657%
3	20:22:08	79.869%	4.277	0.135	0.069	12.100	11.090	85.754%	86.816%
x		77.867%	4.203	0.115	0.092	11.230	11.220	84.345%	85.148%
σ		1.900%	0.206	0.025	0.024	0.759	0.417	1.732%	1.974%
%RSD		2.439	4.895	21.400	25.680	6.761	3.714	2.054	2.318

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:20:44	0.054	0.067	1.583	1.566	1.570	82.614%
2	20:21:26	0.059	0.067	1.625	1.586	1.636	86.127%
3	20:22:08	0.064	0.057	1.586	1.516	1.563	87.853%
x		0.059	0.064	1.598	1.556	1.590	85.531%
σ		0.005	0.006	0.023	0.036	0.040	2.670%
%RSD		8.424	8.759	1.454	2.337	2.546	3.121

180-17167-A-13-A 12/29/2012 8:24:19 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:01	91.016%	-0.031	52.920	51.630	0.000	67420.000	5304.000	5271.000
2	20:25:43	94.711%	0.002	53.220	51.320	0.000	66200.000	5277.000	5284.000
3	20:26:24	93.892%	0.036	55.390	50.700	0.000	66780.000	5323.000	5318.000
x		93.206%	0.002	53.840	51.220	0.000	66800.000	5301.000	5291.000
σ		1.941%	0.033	1.349	0.471	0.000	609.900	22.950	24.580
%RSD		2.082	1345.000	2.505	0.920	0.000	0.913	0.433	0.465

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:01	295.700	4995.000	0.000	4612.000	34130.000	34140.000	69.918%	12.820
2	20:25:43	298.200	4987.000	0.000	4676.000	33990.000	34480.000	70.195%	10.920
3	20:26:24	295.700	5008.000	0.000	4661.000	33930.000	34430.000	70.757%	10.610
x		296.600	4997.000	0.000	4650.000	34020.000	34350.000	70.290%	11.450
σ		1.454	11.020	0.000	33.230	100.600	182.100	0.428%	1.199
%RSD		0.490	0.221	0.000	0.715	0.296	0.530	0.608	10.470

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:01	-1.319	4.843	206.400	13210.000	13040.000	0.227	1.100	7.239
2	20:25:43	-2.063	5.082	208.900	13260.000	13320.000	0.262	1.403	6.727
3	20:26:24	-1.084	4.710	209.000	13120.000	13320.000	0.278	1.391	6.968
x		-1.488	4.878	208.100	13190.000	13230.000	0.256	1.298	6.978
σ		0.511	0.188	1.468	69.890	163.900	0.026	0.172	0.256
%RSD		34.340	3.858	0.705	0.530	1.239	10.120	13.240	3.673

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:01	7.610	34.230	34.740	2.090	-0.676	-1.011	0.000	183.900
2	20:25:43	6.579	34.800	36.740	0.413	-0.595	-1.934	0.000	185.500
3	20:26:24	6.820	35.950	36.420	0.041	-1.290	-2.713	0.000	186.100
x		7.003	34.990	35.970	0.848	-0.854	-1.886	0.000	185.200
σ		0.539	0.875	1.076	1.092	0.380	0.852	0.000	1.155
%RSD		7.696	2.499	2.993	128.800	44.530	45.160	0.000	0.623

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:01	71.572%	0.258	0.538	69.866%	0.010	0.022	0.150	0.079
2	20:25:43	73.016%	0.526	0.717	71.929%	0.025	0.027	0.208	0.303
3	20:26:24	73.423%	0.419	0.622	72.213%	0.004	0.021	-0.053	-0.029
x		72.670%	0.401	0.626	71.336%	0.013	0.023	0.102	0.118
σ		0.972%	0.135	0.089	1.281%	0.011	0.003	0.137	0.169
%RSD		1.338	33.600	14.270	1.796	84.210	13.210	135.000	143.900

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:01	74.167%	4.579	0.159	0.214	14.810	14.890	80.216%	81.243%
2	20:25:43	76.503%	4.975	0.158	0.220	14.950	14.720	84.004%	84.395%
3	20:26:24	76.829%	4.768	0.212	0.206	15.340	14.690	83.840%	85.705%
x		75.833%	4.774	0.176	0.213	15.040	14.770	82.687%	83.781%
σ		1.452%	0.198	0.031	0.007	0.276	0.110	2.141%	2.294%
%RSD		1.914	4.154	17.610	3.496	1.838	0.746	2.589	2.738

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:01	0.069	0.077	1.671	1.698	1.650	80.051%
2	20:25:43	0.059	0.061	1.728	1.699	1.775	82.828%
3	20:26:24	0.075	0.050	1.796	1.602	1.728	84.820%
x		0.068	0.063	1.732	1.666	1.717	82.566%
σ		0.008	0.014	0.062	0.056	0.063	2.395%
%RSD		11.730	21.640	3.592	3.352	3.683	2.901

CCV 664806 12/29/2012 8:31:30 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:11	77.951%	107.000	100.000	103.100	0.000	50860.000	44490.000	44750.000
2	20:32:53	79.404%	109.200	105.400	102.400	0.000	50470.000	44870.000	45060.000
3	20:33:35	78.849%	108.900	109.900	104.700	0.000	50820.000	45220.000	45630.000
x		78.735%	108.387%	105.103%	103.383%	0.000	101.433%	89.716%	90.289%
σ		0.733%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.931	1.105	4.729	1.166	0.000	0.421	0.822	0.987
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:11	496.600	5241.000	0.000	52180.000	51170.000	51010.000	72.918%	108.000
2	20:32:53	500.100	5264.000	0.000	51670.000	52250.000	51690.000	74.460%	105.100
3	20:33:35	506.000	5308.000	0.000	51550.000	51950.000	52020.000	75.622%	104.500
x		100.179%	105.416%	0.000	103.596%	103.583%	103.149%	74.333%	105.855%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.356%	n/a
%RSD		0.954	0.648	0.000	0.644	1.077	0.996	1.824	1.789
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:11	102.900	103.400	510.200	26080.000	25490.000	104.400	102.900	106.100
2	20:32:53	105.300	103.800	515.200	25690.000	25930.000	105.200	107.600	106.100
3	20:33:35	103.700	105.000	512.900	25630.000	25900.000	106.500	108.300	106.600
x		103.972%	104.076%	102.553%	103.193%	103.099%	105.364%	106.286%	106.250%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.173	0.768	0.493	0.947	0.944	1.020	2.778	0.252
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:11	104.800	100.900	106.600	100.800	94.800	97.780	0.000	92.400
2	20:32:53	106.100	102.600	102.400	101.300	100.300	99.630	0.000	91.840
3	20:33:35	103.000	103.000	102.900	100.700	98.340	98.080	0.000	92.480
x		104.626%	102.160%	103.946%	100.936%	97.807%	98.495%	0.000	92.240%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.471	1.109	2.201	0.326	2.838	1.010	0.000	0.377
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:11	83.034%	95.840	96.090	79.830%	96.910	96.700	96.460	96.670
2	20:32:53	86.284%	97.710	97.820	82.495%	98.510	97.520	97.280	97.950
3	20:33:35	87.890%	98.530	98.920	83.471%	97.870	98.220	98.600	98.190
x		85.736%	97.358%	97.613%	81.932%	97.764%	97.481%	97.449%	97.602%
σ		2.474%	n/a	n/a	1.884%	n/a	n/a	n/a	n/a
%RSD		2.886	1.413	1.461	2.300	0.828	0.781	1.106	0.837
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:11	81.490%	97.670	97.470	97.100	97.780	95.780	86.983%	87.515%
2	20:32:53	84.599%	100.400	97.880	97.780	93.110	96.040	90.139%	90.728%
3	20:33:35	85.925%	97.840	97.540	98.780	97.340	96.050	91.795%	91.735%
x		84.004%	98.636%	97.631%	97.887%	96.077%	95.956%	89.639%	89.993%
σ		2.277%	n/a	n/a	n/a	n/a	n/a	2.444%	2.204%
%RSD		2.710	1.547	0.225	0.862	2.681	0.163	2.727	2.449
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:32:11	100.900	100.600	101.800	103.000	101.900	82.340%		
2	20:32:53	101.900	101.300	102.300	102.400	102.600	85.883%		
3	20:33:35	101.400	100.800	101.400	101.600	101.100	87.821%		
x		101.403%	100.921%	101.829%	102.330%	101.904%	85.348%		
σ		n/a	n/a	n/a	n/a	n/a	2.779%		
%RSD		0.463	0.371	0.422	0.693	0.723	3.256		

CCB5 12/29/2012 8:38:43 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:39:24	90.034%	0.003	1.801	2.196	0.000	-48.330	12.240	13.060
2	20:40:06	91.374%	0.036	1.518	1.580	0.000	-45.860	15.250	16.650
3	20:40:48	93.560%	0.035	2.293	1.807	0.000	-55.260	13.040	12.850
x		91.656%	0.025	1.871	1.861	0.000	-49.820	13.510	14.190
σ		1.780%	0.019	0.392	0.311	0.000	4.875	1.559	2.135
%RSD		1.942	75.200	20.960	16.740	0.000	9.787	11.540	15.050

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:39:24	-2.528	4.531	0.000	6.005	60.440	41.610	84.905%	0.035
2	20:40:06	-2.259	4.982	0.000	6.416	64.940	43.220	85.876%	0.215
3	20:40:48	-2.718	4.419	0.000	0.438	38.490	38.420	86.511%	0.093
x		-2.502	4.644	0.000	4.287	54.620	41.080	85.764%	0.114
σ		0.230	0.298	0.000	3.339	14.160	2.439	0.809%	0.092
%RSD		9.210	6.415	0.000	77.890	25.910	5.937	0.943	80.490

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:39:24	-0.022	0.075	0.270	19.360	28.340	0.055	0.230	0.485
2	20:40:06	0.155	-0.031	0.267	16.730	27.520	0.017	0.108	0.537
3	20:40:48	0.017	0.045	0.200	12.290	19.230	0.001	0.048	0.598
x		0.050	0.030	0.246	16.130	25.030	0.024	0.129	0.540
σ		0.093	0.054	0.040	3.573	5.044	0.028	0.093	0.056
%RSD		185.300	184.100	16.160	22.160	20.150	114.200	72.300	10.450

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:39:24	0.479	0.524	0.568	0.127	-0.591	0.513	0.000	0.349
2	20:40:06	0.213	0.206	0.562	0.175	-0.151	0.035	0.000	0.418
3	20:40:48	0.528	0.378	0.491	-0.141	0.160	-0.705	0.000	0.280
x		0.407	0.369	0.540	0.054	-0.194	-0.052	0.000	0.349
σ		0.169	0.159	0.043	0.170	0.377	0.614	0.000	0.069
%RSD		41.660	43.200	7.888	317.200	194.800	1174.000	0.000	19.750

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:39:24	86.487%	0.201	0.303	87.473%	0.024	0.031	-0.049	-0.064
2	20:40:06	86.608%	0.149	0.245	88.618%	0.037	0.040	0.028	-0.024
3	20:40:48	87.180%	0.097	0.145	89.257%	0.041	0.054	-0.082	-0.049
x		86.758%	0.149	0.231	88.449%	0.034	0.042	-0.034	-0.045
σ		0.370%	0.052	0.080	0.904%	0.009	0.011	0.057	0.020
%RSD		0.426	35.050	34.610	1.022	25.500	27.280	166.600	44.670

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:39:24	87.270%	0.686	0.031	0.017	0.083	0.111	89.934%	89.871%
2	20:40:06	87.899%	1.276	0.064	0.048	-0.018	0.124	91.263%	90.824%
3	20:40:48	89.011%	1.338	0.049	0.029	0.031	0.123	90.517%	91.744%
x		88.060%	1.100	0.048	0.031	0.032	0.119	90.571%	90.813%
σ		0.882%	0.360	0.017	0.015	0.050	0.007	0.666%	0.936%
%RSD		1.001	32.720	34.780	49.530	160.000	6.007	0.736	1.031

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:39:24	0.124	0.100	0.027	0.047	0.048	91.126%
2	20:40:06	0.078	0.071	0.026	0.046	0.040	92.587%
3	20:40:48	0.094	0.090	0.023	0.060	0.046	93.328%
x		0.099	0.087	0.025	0.051	0.045	92.347%
σ		0.023	0.015	0.002	0.008	0.004	1.121%
%RSD		23.480	17.030	9.473	15.550	9.022	1.214

180-17167-A-14-A 12/29/2012 8:43:01 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:42	92.838%	0.003	99.880	93.390	0.000	269200.000	8374.000	8366.000
2	20:44:24	95.625%	0.002	97.310	93.370	0.000	264100.000	8322.000	8346.000
3	20:45:06	96.272%	0.002	95.510	94.590	0.000	263100.000	8385.000	8379.000
x		94.912%	0.002	97.570	93.780	0.000	265400.000	8360.000	8364.000
σ		1.825%	0.001	2.196	0.698	0.000	3250.000	33.700	16.770
%RSD		1.922	28.060	2.251	0.744	0.000	1.224	0.403	0.201

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:42	17.750	8776.000	0.000	14870.000	49750.000	50210.000	72.544%	6.069
2	20:44:24	17.910	8712.000	0.000	14700.000	50170.000	50420.000	73.290%	6.639
3	20:45:06	17.420	8766.000	0.000	14720.000	51180.000	51160.000	73.507%	7.886
x		17.700	8752.000	0.000	14770.000	50370.000	50600.000	73.114%	6.865
σ		0.252	34.600	0.000	93.710	736.300	495.300	0.505%	0.929
%RSD		1.421	0.395	0.000	0.635	1.462	0.979	0.691	13.540

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:42	-0.970	1.208	803.400	48260.000	47940.000	0.346	1.930	2.414
2	20:44:24	-0.983	1.459	807.500	47460.000	48490.000	0.269	2.193	2.060
3	20:45:06	-0.817	1.458	816.700	47550.000	49040.000	0.302	1.843	2.458
x		-0.923	1.375	809.200	47760.000	48490.000	0.306	1.989	2.311
σ		0.093	0.145	6.791	438.200	549.700	0.039	0.182	0.218
%RSD		10.030	10.540	0.839	0.918	1.134	12.620	9.166	9.433

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:42	1.641	5.946	5.817	13.100	-0.744	0.284	0.000	520.600
2	20:44:24	1.957	5.749	6.292	15.250	-0.822	-0.040	0.000	522.900
3	20:45:06	1.429	6.420	6.883	14.050	-1.902	-0.826	0.000	524.900
x		1.675	6.038	6.331	14.130	-1.156	-0.194	0.000	522.800
σ		0.266	0.345	0.534	1.082	0.648	0.571	0.000	2.155
%RSD		15.860	5.709	8.437	7.653	56.030	294.300	0.000	0.412

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:42	72.578%	0.448	0.255	70.159%	0.015	0.010	-0.054	-0.233
2	20:44:24	74.624%	0.223	0.267	72.059%	0.009	0.015	0.006	-0.080
3	20:45:06	75.682%	0.243	0.214	73.204%	0.004	-0.001	-0.182	-0.095
x		74.295%	0.305	0.245	71.807%	0.009	0.008	-0.077	-0.136
σ		1.578%	0.124	0.028	1.538%	0.006	0.009	0.096	0.084
%RSD		2.124	40.840	11.300	2.142	60.120	107.300	125.400	62.090

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:42	74.473%	7.431	0.495	0.495	114.900	113.800	81.494%	82.627%
2	20:44:24	76.886%	6.343	0.446	0.548	116.500	115.100	84.297%	85.701%
3	20:45:06	78.562%	5.286	0.522	0.405	115.400	114.000	86.088%	87.574%
x		76.640%	6.354	0.488	0.483	115.600	114.300	83.960%	85.301%
σ		2.055%	1.073	0.038	0.072	0.834	0.720	2.315%	2.498%
%RSD		2.682	16.880	7.846	14.910	0.722	0.630	2.758	2.928

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:42	0.092	0.070	0.215	0.143	0.216	78.119%
2	20:44:24	0.060	0.067	0.233	0.240	0.217	81.958%
3	20:45:06	0.036	0.071	0.233	0.181	0.213	85.608%
x		0.063	0.070	0.227	0.188	0.215	81.895%
σ		0.028	0.002	0.011	0.049	0.002	3.745%
%RSD		44.720	2.722	4.712	26.170	0.915	4.573

180-17167-A-15-A 12/29/2012 8:47:18 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:48:01	95.979%	-0.031	42.710	44.920	0.000	22050.000	24140.000	24170.000
2	20:48:43	97.658%	-0.031	40.950	41.840	0.000	21910.000	23940.000	24100.000
3	20:49:25	97.958%	0.001	44.090	45.460	0.000	21810.000	24170.000	24110.000
x		97.198%	-0.020	42.590	44.070	0.000	21920.000	24080.000	24130.000
σ		1.067%	0.018	1.574	1.950	0.000	121.500	122.100	38.390
%RSD		1.097	91.600	3.695	4.424	0.000	0.554	0.507	0.159

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:48:01	66.960	6896.000	0.000	1449.000	41200.000	40460.000	73.431%	4.363
2	20:48:43	68.390	6839.000	0.000	1448.000	40770.000	40610.000	74.114%	4.109
3	20:49:25	67.160	6839.000	0.000	1449.000	41060.000	40930.000	74.055%	3.551
x		67.500	6858.000	0.000	1449.000	41010.000	40670.000	73.867%	4.008
σ		0.774	33.260	0.000	0.696	215.600	238.000	0.378%	0.416
%RSD		1.147	0.485	0.000	0.048	0.526	0.585	0.512	10.370

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:48:01	-3.436	0.382	1210.000	41420.000	42220.000	0.784	1.590	2.114
2	20:48:43	-2.920	0.466	1214.000	40830.000	42360.000	0.812	1.521	2.099
3	20:49:25	-3.429	0.513	1219.000	40750.000	42330.000	0.788	1.058	2.409
x		-3.262	0.454	1214.000	41000.000	42310.000	0.795	1.390	2.207
σ		0.296	0.066	4.060	363.400	73.320	0.015	0.290	0.175
%RSD		9.069	14.650	0.334	0.886	0.173	1.908	20.840	7.935

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:48:01	2.315	9.040	8.949	8.919	-0.459	0.403	0.000	344.500
2	20:48:43	2.000	9.802	8.066	11.270	-1.557	-1.237	0.000	342.400
3	20:49:25	2.126	8.339	8.492	11.730	-1.068	0.557	0.000	341.900
x		2.147	9.060	8.502	10.640	-1.028	-0.092	0.000	342.900
σ		0.159	0.732	0.442	1.507	0.550	0.994	0.000	1.417
%RSD		7.388	8.078	5.192	14.160	53.530	1078.000	0.000	0.413

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:48:01	75.473%	0.619	0.688	75.876%	-0.006	-0.002	-0.066	-0.094
2	20:48:43	77.295%	0.490	0.527	76.836%	-0.002	0.009	-0.087	-0.147
3	20:49:25	78.139%	0.717	0.647	77.347%	-0.002	-0.002	-0.094	-0.178
x		76.969%	0.609	0.621	76.686%	-0.003	0.002	-0.082	-0.140
σ		1.362%	0.114	0.084	0.747%	0.003	0.006	0.014	0.043
%RSD		1.770	18.730	13.500	0.974	88.020	334.800	17.200	30.560

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:48:01	79.855%	4.131	0.104	0.096	36.410	34.930	86.455%	88.437%
2	20:48:43	81.584%	3.780	0.049	0.132	35.050	36.220	89.150%	89.284%
3	20:49:25	82.065%	3.997	0.136	0.131	36.360	36.400	89.301%	91.456%
x		81.168%	3.970	0.096	0.120	35.940	35.850	88.302%	89.726%
σ		1.162%	0.177	0.044	0.021	0.771	0.804	1.602%	1.557%
%RSD		1.432	4.462	45.400	17.480	2.145	2.242	1.814	1.735

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:48:01	0.033	0.036	0.270	0.239	0.267	86.243%
2	20:48:43	0.051	0.051	0.243	0.292	0.268	89.470%
3	20:49:25	0.030	0.042	0.248	0.248	0.274	91.262%
x		0.038	0.043	0.254	0.260	0.270	88.992%
σ		0.011	0.008	0.015	0.028	0.004	2.543%
%RSD		29.380	17.650	5.740	10.890	1.498	2.858

180-17167-A-16-A 12/29/2012 8:51:37 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:52:18	105.996%	-0.031	234.000	226.000	0.000	105700.000	62790.000	63380.000
2	20:53:00	109.362%	-0.031	243.300	225.900	0.000	105300.000	62530.000	63170.000
3	20:53:42	111.898%	-0.003	237.900	227.700	0.000	104900.000	62670.000	63120.000
x		109.085%	-0.021	238.400	226.500	0.000	105300.000	62660.000	63220.000
σ		2.961%	0.016	4.641	0.998	0.000	404.000	129.200	137.200
%RSD		2.714	75.320	1.947	0.441	0.000	0.384	0.206	0.217

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:52:18	-13.900	6479.000	0.000	11450.000	105000.000	106600.000	80.327%	1.205
2	20:53:00	-0.080	6509.000	0.000	11370.000	105800.000	107000.000	82.996%	0.601
3	20:53:42	-0.314	6522.000	0.000	11430.000	107800.000	107900.000	83.928%	0.903
x		-4.764	6503.000	0.000	11420.000	106200.000	107200.000	82.417%	0.903
σ		7.912	22.430	0.000	45.620	1427.000	675.200	1.869%	0.302
%RSD		166.100	0.345	0.000	0.400	1.344	0.630	2.268	33.460

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:52:18	-7.395	1.779	707.300	48.100	176.400	6.589	6.971	4.398
2	20:53:00	-9.264	1.857	709.600	34.510	173.300	6.805	7.284	4.067
3	20:53:42	-8.768	2.163	718.300	32.710	159.800	6.596	8.424	3.958
x		-8.476	1.933	711.800	38.440	169.800	6.663	7.559	4.141
σ		0.968	0.203	5.810	8.415	8.829	0.123	0.765	0.229
%RSD		11.420	10.520	0.816	21.890	5.200	1.845	10.120	5.535

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:52:18	3.250	8.522	9.876	-2.267	-0.599	0.417	0.000	697.200
2	20:53:00	3.731	9.074	9.893	0.919	-0.693	-1.185	0.000	706.400
3	20:53:42	4.119	9.951	9.886	-1.120	-0.848	-1.372	0.000	707.800
x		3.700	9.183	9.885	-0.823	-0.714	-0.713	0.000	703.800
σ		0.435	0.721	0.009	1.614	0.126	0.983	0.000	5.722
%RSD		11.760	7.850	0.086	196.200	17.620	137.800	0.000	0.813

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:52:18	80.869%	0.963	0.929	78.094%	0.013	-0.002	0.053	-0.004
2	20:53:00	82.923%	0.822	0.812	80.671%	0.026	0.008	0.009	0.082
3	20:53:42	83.866%	0.861	0.624	81.598%	0.003	-0.002	0.239	0.138
x		82.552%	0.882	0.789	80.121%	0.014	0.001	0.100	0.072
σ		1.533%	0.073	0.154	1.816%	0.012	0.006	0.122	0.071
%RSD		1.856	8.229	19.500	2.266	84.440	402.600	121.800	99.320

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:52:18	81.779%	4.805	0.049	0.053	169.500	169.200	88.588%	89.857%
2	20:53:00	84.951%	4.758	0.071	0.043	170.800	167.400	92.082%	94.313%
3	20:53:42	87.166%	4.717	0.055	0.035	162.700	167.600	93.823%	95.076%
x		84.632%	4.760	0.058	0.044	167.700	168.100	91.498%	93.082%
σ		2.707%	0.044	0.012	0.009	4.381	0.973	2.666%	2.819%
%RSD		3.199	0.922	19.700	20.050	2.612	0.579	2.914	3.029

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:52:18	0.117	0.082	0.035	0.045	0.058	84.047%
2	20:53:00	0.103	0.077	0.061	0.082	0.065	87.209%
3	20:53:42	0.094	0.090	0.031	0.060	0.052	89.554%
x		0.105	0.083	0.042	0.062	0.059	86.937%
σ		0.011	0.007	0.016	0.019	0.006	2.764%
%RSD		10.720	8.171	37.710	30.040	10.640	3.179

180-17167-A-17-A 12/29/2012 8:55:55 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:56:36	95.076%	-0.031	214.000	203.000	0.000	100200.000	53070.000	58980.000
2	20:57:18	96.151%	-0.031	212.800	207.100	0.000	99160.000	53110.000	53470.000
3	20:57:59	97.366%	0.065	208.900	200.400	0.000	98890.000	53060.000	53480.000
x		96.198%	0.001	211.900	203.500	0.000	99410.000	53080.000	55310.000
σ		1.146%	0.055	2.685	3.370	0.000	679.900	24.920	3181.000
%RSD		1.191	4165.000	1.267	1.656	0.000	0.684	0.047	5.752

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:56:36	-2.144	6564.000	0.000	7954.000	96840.000	97810.000	73.694%	3.785
2	20:57:18	-2.295	6568.000	0.000	7113.000	98090.000	99020.000	74.167%	1.800
3	20:57:59	-2.321	6531.000	0.000	7121.000	98930.000	99440.000	74.085%	1.591
x		-2.254	6554.000	0.000	7396.000	97950.000	98760.000	73.982%	2.392
σ		0.096	20.220	0.000	483.100	1055.000	849.700	0.253%	1.211
%RSD		4.243	0.309	0.000	6.532	1.077	0.860	0.341	50.620

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:56:36	-3.854	0.637	2891.000	20810.000	21570.000	0.382	3.417	2.270
2	20:57:18	-3.859	0.661	2906.000	20560.000	21680.000	0.298	3.330	2.695
3	20:57:59	-5.343	0.465	2910.000	20550.000	21730.000	0.411	3.521	2.344
x		-4.352	0.587	2902.000	20640.000	21660.000	0.364	3.423	2.437
σ		0.858	0.107	9.994	147.800	80.810	0.058	0.096	0.227
%RSD		19.720	18.220	0.344	0.716	0.373	16.060	2.800	9.321

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:56:36	2.082	6.510	8.247	5.432	-0.975	0.819	0.000	638.000
2	20:57:18	2.295	6.242	7.938	2.214	-1.045	-0.871	0.000	637.400
3	20:57:59	2.196	6.270	7.024	3.074	-1.573	-0.096	0.000	635.500
x		2.191	6.341	7.736	3.573	-1.198	-0.049	0.000	637.000
σ		0.107	0.147	0.636	1.666	0.327	0.846	0.000	1.292
%RSD		4.876	2.322	8.219	46.630	27.290	1712.000	0.000	0.203

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:56:36	75.171%	-0.145	0.001	73.632%	0.014	-0.002	0.018	-0.035
2	20:57:18	77.325%	0.005	-0.110	75.301%	0.003	-0.002	0.012	-0.004
3	20:57:59	77.987%	0.017	-0.043	75.697%	0.013	-0.002	-0.083	-0.133
x		76.828%	-0.041	-0.051	74.876%	0.010	-0.002	-0.018	-0.058
σ		1.472%	0.090	0.056	1.096%	0.006	0.000	0.056	0.068
%RSD		1.916	220.300	109.800	1.463	57.030	4.423	319.500	117.400

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:56:36	80.269%	3.659	0.119	0.055	296.000	299.000	86.701%	88.243%
2	20:57:18	81.217%	3.886	0.107	0.127	304.200	301.600	88.095%	90.136%
3	20:57:59	82.345%	3.600	0.074	0.078	300.900	297.100	90.542%	91.644%
x		81.277%	3.715	0.100	0.086	300.400	299.300	88.446%	90.008%
σ		1.039%	0.151	0.023	0.037	4.123	2.261	1.944%	1.704%
%RSD		1.278	4.075	23.100	42.380	1.373	0.755	2.198	1.893

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:56:36	0.026	0.031	4.491	4.151	4.397	83.492%
2	20:57:18	0.013	0.028	4.603	4.483	4.491	86.895%
3	20:57:59	0.009	0.016	4.481	4.440	4.542	87.800%
x		0.016	0.025	4.525	4.358	4.477	86.062%
σ		0.009	0.008	0.068	0.181	0.074	2.271%
%RSD		54.800	32.330	1.500	4.150	1.651	2.639

180-17167-A-18-A 12/29/2012 9:00:11 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:00:52	94.723%	0.002	187.900	162.600	0.000	90600.000	71050.000	71690.000
2	21:01:34	96.603%	0.034	176.100	167.800	0.000	89450.000	70120.000	70770.000
3	21:02:15	96.410%	0.002	177.600	167.800	0.000	89660.000	70270.000	70980.000
x		95.912%	0.012	180.500	166.000	0.000	89910.000	70480.000	71150.000
σ		1.034%	0.018	6.418	2.997	0.000	612.900	497.200	483.500
%RSD		1.079	148.000	3.555	1.805	0.000	0.682	0.706	0.679
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:00:52	250.400	9808.000	0.000	12680.000	118400.000	119500.000	74.963%	11.680
2	21:01:34	255.600	9798.000	0.000	12510.000	119000.000	119300.000	76.219%	11.080
3	21:02:15	254.200	9865.000	0.000	12560.000	118500.000	120200.000	76.503%	12.120
x		253.400	9824.000	0.000	12580.000	118600.000	119600.000	75.895%	11.630
σ		2.691	36.090	0.000	88.140	345.900	503.300	0.820%	0.526
%RSD		1.062	0.367	0.000	0.700	0.292	0.421	1.080	4.523
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:00:52	-3.035	1.786	627.800	29340.000	30220.000	0.900	4.376	6.082
2	21:01:34	-2.377	1.988	630.100	29020.000	30240.000	0.837	5.085	5.897
3	21:02:15	-3.429	2.058	633.700	29060.000	30390.000	0.938	4.811	5.969
x		-2.947	1.944	630.500	29140.000	30280.000	0.892	4.757	5.983
σ		0.532	0.141	2.961	176.300	93.650	0.051	0.358	0.093
%RSD		18.040	7.266	0.470	0.605	0.309	5.715	7.516	1.558
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:00:52	5.717	32.420	34.950	7.245	-0.515	-0.228	0.000	775.100
2	21:01:34	6.380	33.880	33.260	5.162	-1.462	-2.949	0.000	781.800
3	21:02:15	6.556	33.030	35.730	6.727	-2.472	-0.904	0.000	787.900
x		6.218	33.110	34.650	6.378	-1.483	-1.360	0.000	781.600
σ		0.442	0.736	1.260	1.084	0.979	1.417	0.000	6.430
%RSD		7.112	2.224	3.638	17.000	65.990	104.200	0.000	0.823
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:00:52	76.519%	0.548	0.599	74.557%	0.009	0.036	0.089	0.068
2	21:01:34	77.866%	0.684	0.957	76.247%	0.013	0.014	0.193	0.179
3	21:02:15	77.585%	0.672	0.838	76.283%	0.023	0.019	0.224	0.215
x		77.323%	0.634	0.798	75.696%	0.015	0.023	0.169	0.154
σ		0.710%	0.075	0.182	0.986%	0.007	0.012	0.070	0.077
%RSD		0.919	11.890	22.850	1.303	48.940	49.920	41.810	49.860
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:00:52	78.968%	3.913	0.248	0.212	236.600	239.000	87.123%	88.199%
2	21:01:34	81.464%	4.755	0.230	0.198	236.200	241.500	89.317%	90.671%
3	21:02:15	81.692%	4.450	0.213	0.244	239.900	242.900	89.805%	90.492%
x		80.708%	4.373	0.230	0.218	237.600	241.100	88.748%	89.787%
σ		1.511%	0.426	0.017	0.023	2.030	1.991	1.429%	1.379%
%RSD		1.872	9.746	7.506	10.650	0.855	0.826	1.610	1.535
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:00:52	0.023	0.030	4.413	4.614	4.451	82.937%		
2	21:01:34	0.042	0.027	4.609	4.535	4.528	85.763%		
3	21:02:15	0.018	0.030	4.339	4.460	4.362	87.202%		
x		0.028	0.029	4.454	4.536	4.447	85.301%		
σ		0.013	0.002	0.139	0.077	0.083	2.170%		
%RSD		45.250	5.562	3.130	1.707	1.868	2.544		

180-17167-A-19-A 12/29/2012 9:04:25 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:05:06	103.597%	-0.001	142.100	135.900	0.000	124400.000	53580.000	59220.000
2	21:05:48	109.055%	0.027	147.100	138.300	0.000	123300.000	58800.000	59170.000
3	21:06:30	110.700%	-0.002	149.900	138.100	0.000	123100.000	53900.000	59010.000
x		107.784%	0.008	146.400	137.400	0.000	123600.000	55430.000	59140.000
σ		3.718%	0.016	3.944	1.347	0.000	717.500	2925.000	108.500
%RSD		3.450	208.700	2.695	0.980	0.000	0.581	5.277	0.184

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:05:06	181.400	7096.000	0.000	12150.000	122900.000	124600.000	81.099%	8.108
2	21:05:48	180.100	7152.000	0.000	12190.000	127200.000	127300.000	82.244%	9.122
3	21:06:30	180.300	7106.000	0.000	12170.000	124000.000	127000.000	83.063%	7.158
x		180.600	7118.000	0.000	12170.000	124700.000	126300.000	82.135%	8.129
σ		0.734	30.010	0.000	18.430	2259.000	1499.000	0.986%	0.982
%RSD		0.406	0.422	0.000	0.151	1.811	1.187	1.201	12.080

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:05:06	-6.111	3.192	102.900	509.300	772.600	1.014	3.979	2.319
2	21:05:48	-7.339	3.281	105.700	502.300	776.000	0.950	3.550	2.564
3	21:06:30	-7.875	3.482	105.000	502.500	767.400	1.070	3.596	2.736
x		-7.108	3.318	104.500	504.700	772.000	1.012	3.708	2.540
σ		0.904	0.149	1.462	4.016	4.346	0.060	0.236	0.210
%RSD		12.720	4.478	1.399	0.796	0.563	5.935	6.351	8.248

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:05:06	2.113	6.009	7.014	-0.590	-0.509	-1.325	0.000	663.300
2	21:05:48	2.393	5.632	5.648	0.309	-0.843	0.373	0.000	663.700
3	21:06:30	2.348	5.234	6.500	1.303	-1.218	0.320	0.000	667.500
x		2.285	5.625	6.387	0.341	-0.857	-0.210	0.000	664.800
σ		0.150	0.388	0.690	0.947	0.355	0.965	0.000	2.340
%RSD		6.568	6.890	10.800	278.100	41.410	458.800	0.000	0.352

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:05:06	81.544%	0.178	0.229	78.217%	0.003	0.003	0.017	-0.015
2	21:05:48	84.242%	0.099	0.319	80.268%	0.008	0.013	0.068	0.052
3	21:06:30	84.913%	0.069	0.177	81.213%	-0.006	0.018	0.129	0.040
x		83.566%	0.115	0.242	79.899%	0.001	0.011	0.071	0.026
σ		1.783%	0.057	0.072	1.532%	0.007	0.007	0.056	0.036
%RSD		2.134	49.040	29.670	1.917	509.300	64.970	78.700	139.400

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:05:06	83.184%	3.233	0.048	0.077	117.800	116.900	90.770%	91.401%
2	21:05:48	87.217%	2.988	0.069	0.035	120.400	119.200	92.782%	94.512%
3	21:06:30	86.021%	2.776	0.080	0.049	121.400	119.900	92.831%	95.745%
x		85.474%	2.999	0.066	0.054	119.900	118.700	92.127%	93.886%
σ		2.071%	0.229	0.016	0.021	1.871	1.562	1.176%	2.238%
%RSD		2.423	7.620	24.730	39.670	1.560	1.316	1.277	2.384

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:05:06	0.025	0.038	0.332	0.369	0.333	84.796%
2	21:05:48	0.020	0.034	0.345	0.334	0.364	88.282%
3	21:06:30	0.011	0.029	0.347	0.311	0.327	90.458%
x		0.019	0.034	0.341	0.338	0.342	87.845%
σ		0.007	0.005	0.008	0.030	0.020	2.856%
%RSD		37.420	13.500	2.419	8.742	5.807	3.252

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:12:58	82.199%	-0.031	1.538	2.184	0.000	-76.680	-1.168	-0.610
2	21:13:40	82.252%	-0.031	2.613	1.889	0.000	-64.750	4.203	5.093
3	21:14:22	83.491%	-0.031	1.904	1.831	0.000	-58.880	8.093	8.372
x		82.647%	-0.031	2.018	1.968	0.000	-66.770	3.709	4.285
σ		0.731%	0.000	0.547	0.190	0.000	9.067	4.650	4.545
%RSD		0.885	0.000	27.090	9.630	0.000	13.580	125.400	106.100

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:12:58	-4.943	4.804	0.000	-13.540	2.945	-2.034	75.887%	-0.087
2	21:13:40	-4.691	3.328	0.000	-10.980	14.670	15.640	76.267%	-0.019
3	21:14:22	-3.661	4.639	0.000	-8.626	38.580	19.500	75.442%	-0.019
x		-4.432	4.257	0.000	-11.050	18.730	11.030	75.865%	-0.042
σ		0.679	0.809	0.000	2.459	18.160	11.480	0.413%	0.040
%RSD		15.320	19.000	0.000	22.250	96.950	104.000	0.545	94.740

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:12:58	0.107	-0.039	-0.012	3.327	3.280	-0.015	0.017	0.573
2	21:13:40	0.047	0.060	0.010	3.903	3.664	-0.033	0.039	0.491
3	21:14:22	-0.137	-0.038	0.059	4.405	6.202	-0.003	-0.006	0.636
x		0.006	-0.006	0.019	3.878	4.382	-0.017	0.016	0.566
σ		0.127	0.057	0.036	0.539	1.587	0.015	0.023	0.073
%RSD		2256.000	1011.000	189.400	13.910	36.230	89.270	137.400	12.840

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:12:58	0.940	0.627	0.301	-1.076	-1.542	-2.750	0.000	-0.024
2	21:13:40	0.436	0.395	0.405	-0.673	-1.302	-2.006	0.000	0.104
3	21:14:22	0.550	0.597	0.225	0.006	-1.951	0.085	0.000	0.206
x		0.642	0.539	0.310	-0.581	-1.598	-1.557	0.000	0.095
σ		0.264	0.126	0.090	0.547	0.328	1.469	0.000	0.115
%RSD		41.190	23.440	29.060	94.160	20.540	94.370	0.000	121.000

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:12:58	76.104%	-0.234	-0.207	77.748%	-0.006	-0.007	0.059	0.019
2	21:13:40	76.589%	-0.235	-0.250	78.385%	0.003	-0.007	0.012	-0.041
3	21:14:22	77.292%	-0.208	-0.192	78.929%	0.008	0.003	0.061	-0.076
x		76.661%	-0.225	-0.216	78.354%	0.002	-0.003	0.044	-0.033
σ		0.598%	0.015	0.030	0.591%	0.007	0.006	0.028	0.048
%RSD		0.779	6.804	13.990	0.754	452.800	173.600	62.370	146.400

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:12:58	78.866%	1.797	-0.006	-0.026	-0.090	-0.049	81.007%	81.417%
2	21:13:40	79.300%	1.272	0.004	-0.012	-0.090	0.032	81.355%	83.198%
3	21:14:22	80.004%	1.259	-0.007	-0.026	-0.036	0.079	82.567%	83.488%
x		79.390%	1.443	-0.003	-0.021	-0.072	0.021	81.643%	82.701%
σ		0.574%	0.307	0.006	0.008	0.031	0.065	0.819%	1.121%
%RSD		0.723	21.290	202.700	37.270	43.570	313.700	1.003	1.356

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:12:58	0.006	0.014	-0.011	0.009	0.002	81.192%
2	21:13:40	0.005	0.018	-0.012	-0.017	-0.009	82.703%
3	21:14:22	0.005	0.010	-0.001	-0.000	0.003	83.424%
x		0.005	0.014	-0.008	-0.003	-0.001	82.440%
σ		0.000	0.004	0.006	0.013	0.006	1.139%
%RSD		6.889	27.460	77.970	475.900	550.200	1.382

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:14	80.823%	50.100	928.300	909.800	0.000	45800.000	40220.000	40270.000
2	21:17:55	82.144%	47.930	920.600	912.500	0.000	45410.000	40370.000	40730.000
3	21:18:37	83.637%	49.490	943.100	918.600	0.000	45330.000	40610.000	41010.000
x		82.201%	49.170	930.700	913.600	0.000	45510.000	40400.000	40670.000
σ		1.408%	1.117	11.400	4.520	0.000	252.800	200.100	372.200
%RSD		1.713	2.271	1.225	0.495	0.000	0.555	0.495	0.915

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:14	1789.000	9236.000	0.000	46880.000	47390.000	46400.000	75.729%	961.000
2	21:17:55	1816.000	9298.000	0.000	46570.000	48090.000	46930.000	77.391%	956.600
3	21:18:37	1821.000	9414.000	0.000	46380.000	47820.000	47600.000	78.141%	960.100
x		1809.000	9316.000	0.000	46610.000	47760.000	46970.000	77.087%	959.200
σ		16.950	90.110	0.000	250.200	355.300	600.700	1.235%	2.307
%RSD		0.937	0.967	0.000	0.537	0.744	1.279	1.602	0.241

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:14	486.000	192.400	475.200	802.600	1066.000	482.000	489.400	242.100
2	21:17:55	484.500	192.200	478.700	807.500	1066.000	487.400	489.300	245.100
3	21:18:37	492.600	196.700	484.900	817.000	1047.000	488.100	501.500	247.000
x		487.700	193.800	479.600	809.000	1060.000	485.900	493.400	244.700
σ		4.356	2.525	4.918	7.324	11.180	3.314	6.991	2.463
%RSD		0.893	1.303	1.025	0.905	1.055	0.682	1.417	1.006

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:14	243.700	471.900	480.800	37.520	10.810	8.496	0.000	948.100
2	21:17:55	243.900	480.300	486.800	37.060	8.640	6.816	0.000	943.300
3	21:18:37	245.700	483.800	491.500	35.880	9.831	8.670	0.000	956.800
x		244.400	478.700	486.300	36.820	9.761	7.994	0.000	949.400
σ		1.090	6.102	5.330	0.845	1.087	1.024	0.000	6.833
%RSD		0.446	1.275	1.096	2.294	11.140	12.810	0.000	0.720

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:14	76.273%	980.900	983.500	75.441%	47.900	48.020	46.540	39.280
2	21:17:55	79.695%	987.300	996.900	78.209%	48.890	48.530	49.170	41.500
3	21:18:37	79.805%	997.300	996.400	79.560%	49.230	47.830	47.390	40.400
x		78.591%	988.500	992.300	77.737%	48.670	48.130	47.700	40.390
σ		2.008%	8.254	7.568	2.100%	0.691	0.358	1.343	1.109
%RSD		2.555	0.835	0.763	2.701	1.419	0.744	2.816	2.745

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:14	78.704%	1947.000	467.200	467.100	1894.000	1910.000	83.993%	85.002%
2	21:17:55	80.603%	1981.000	483.900	481.100	1903.000	1916.000	87.780%	88.628%
3	21:18:37	82.763%	1964.000	479.200	479.800	1888.000	1908.000	88.849%	89.873%
x		80.690%	1964.000	476.800	476.000	1895.000	1911.000	86.874%	87.834%
σ		2.031%	17.440	8.629	7.715	7.630	4.360	2.552%	2.530%
%RSD		2.517	0.888	1.810	1.621	0.403	0.228	2.937	2.881

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:14	48.860	48.110	19.410	19.670	19.480	84.727%
2	21:17:55	49.540	48.860	19.950	19.960	19.920	87.322%
3	21:18:37	49.720	49.480	19.940	19.850	20.120	88.409%
x		49.370	48.810	19.770	19.830	19.840	86.819%
σ		0.453	0.688	0.309	0.144	0.324	1.892%
%RSD		0.918	1.409	1.562	0.724	1.631	2.179

180-17219-A-1-A 12/29/2012 9:20:48 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:29	83.091%	0.006	123.000	131.600	0.000	80720.000	42800.000	48620.000
2	21:22:11	85.017%	0.005	133.700	128.700	0.000	79770.000	42590.000	42880.000
3	21:22:53	84.361%	-0.031	130.500	131.400	0.000	80220.000	42680.000	43140.000
x		84.156%	-0.006	129.100	130.600	0.000	80240.000	42690.000	44880.000
σ		0.979%	0.021	5.512	1.661	0.000	476.800	105.800	3244.000
%RSD		1.164	328.100	4.270	1.272	0.000	0.594	0.248	7.227
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:29	25.790	4565.000	0.000	4926.000	66430.000	64970.000	78.262%	2.499
2	21:22:11	23.180	4552.000	0.000	4963.000	66570.000	65060.000	78.660%	1.496
3	21:22:53	24.110	4567.000	0.000	4954.000	65040.000	65050.000	78.931%	1.161
x		24.360	4561.000	0.000	4947.000	66010.000	65030.000	78.617%	1.718
σ		1.323	8.079	0.000	19.290	845.200	47.480	0.336%	0.696
%RSD		5.430	0.177	0.000	0.390	1.280	0.073	0.428	40.520
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:29	-0.025	1.798	336.600	52.500	160.700	0.471	1.594	1.377
2	21:22:11	0.093	1.686	334.800	52.120	152.200	0.434	2.380	1.047
3	21:22:53	-0.096	1.743	338.100	51.400	154.100	0.427	1.987	1.214
x		-0.009	1.742	336.500	52.010	155.700	0.444	1.987	1.213
σ		0.096	0.056	1.633	0.556	4.459	0.024	0.393	0.165
%RSD		1035.000	3.232	0.485	1.070	2.864	5.310	19.780	13.610
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:29	0.852	5.823	5.496	1.131	3.679	6.109	0.000	373.400
2	21:22:11	0.995	5.648	5.522	-0.193	3.351	3.766	0.000	376.700
3	21:22:53	1.092	5.263	6.340	-0.130	4.845	5.265	0.000	377.100
x		0.980	5.578	5.786	0.270	3.958	5.046	0.000	375.700
σ		0.121	0.287	0.480	0.747	0.785	1.187	0.000	2.043
%RSD		12.340	5.135	8.296	277.000	19.840	23.520	0.000	0.544
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:29	79.475%	6.188	6.266	77.726%	0.003	0.009	-0.020	-0.076
2	21:22:11	80.486%	2.817	3.098	78.870%	0.003	0.024	0.051	-0.058
3	21:22:53	81.571%	2.095	1.973	79.216%	0.018	0.003	-0.068	-0.060
x		80.510%	3.700	3.779	78.604%	0.008	0.012	-0.012	-0.065
σ		1.048%	2.185	2.226	0.780%	0.008	0.011	0.060	0.010
%RSD		1.302	59.050	58.900	0.992	103.000	89.190	486.800	15.760
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:29	80.623%	11.590	8.089	8.074	162.000	162.000	85.302%	86.833%
2	21:22:11	81.862%	6.962	5.247	5.191	163.200	161.700	87.610%	89.108%
3	21:22:53	82.485%	5.285	3.224	3.175	163.800	164.000	88.301%	89.762%
x		81.657%	7.945	5.520	5.480	163.000	162.600	87.071%	88.568%
σ		0.948%	3.265	2.444	2.463	0.939	1.226	1.571%	1.537%
%RSD		1.160	41.090	44.270	44.930	0.576	0.754	1.804	1.736
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:21:29	0.045	0.037	0.090	0.051	0.083	86.395%		
2	21:22:11	0.052	0.037	0.033	0.081	0.065	87.700%		
3	21:22:53	0.046	0.030	0.057	0.050	0.065	87.652%		
x		0.048	0.035	0.060	0.061	0.071	87.249%		
σ		0.004	0.004	0.029	0.018	0.010	0.740%		
%RSD		8.164	12.430	48.090	29.490	14.790	0.848		

180-17219-A-2-A 12/29/2012 9:25:04 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:25:45	80.964%	0.045	83.620	83.770	0.000	106400.000	15290.000	15310.000
2	21:26:27	82.249%	0.006	86.600	81.470	0.000	105500.000	15260.000	15270.000
3	21:27:08	82.717%	0.043	82.660	87.050	0.000	106200.000	15410.000	15530.000
x		81.977%	0.031	84.290	84.100	0.000	106000.000	15320.000	15370.000
σ		0.907%	0.022	2.059	2.805	0.000	455.100	78.480	137.400
%RSD		1.107	68.890	2.442	3.335	0.000	0.429	0.512	0.894

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:25:45	118.100	7063.000	0.000	1676.000	26940.000	26630.000	76.041%	4.346
2	21:26:27	115.500	7039.000	0.000	1664.000	26990.000	26370.000	78.341%	4.349
3	21:27:08	115.200	7086.000	0.000	1685.000	27880.000	26750.000	78.589%	4.333
x		116.300	7063.000	0.000	1675.000	27270.000	26580.000	77.657%	4.343
σ		1.605	23.900	0.000	10.900	530.000	193.300	1.405%	0.008
%RSD		1.380	0.338	0.000	0.651	1.944	0.727	1.809	0.195

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:25:45	0.279	0.138	179.700	11030.000	10890.000	0.308	0.734	1.569
2	21:26:27	0.276	0.152	178.600	10830.000	10860.000	0.323	0.334	1.642
3	21:27:08	0.086	0.097	181.400	10890.000	10920.000	0.313	0.431	1.386
x		0.214	0.129	179.900	10920.000	10890.000	0.315	0.500	1.532
σ		0.110	0.029	1.388	102.900	30.020	0.008	0.209	0.132
%RSD		51.720	22.420	0.772	0.942	0.276	2.487	41.730	8.589

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:25:45	1.594	4.591	4.712	1.081	-0.972	-1.852	0.000	179.100
2	21:26:27	1.216	4.259	4.561	1.562	-1.421	-0.357	0.000	180.000
3	21:27:08	1.637	5.135	5.035	1.231	-1.693	-0.267	0.000	182.000
x		1.482	4.662	4.769	1.291	-1.362	-0.825	0.000	180.300
σ		0.232	0.442	0.242	0.246	0.364	0.890	0.000	1.467
%RSD		15.640	9.480	5.077	19.070	26.740	107.900	0.000	0.813

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:25:45	78.439%	0.830	0.720	76.651%	0.033	0.014	-0.034	-0.078
2	21:26:27	80.434%	0.774	0.544	78.685%	0.018	0.024	0.077	-0.070
3	21:27:08	81.505%	0.466	0.802	79.854%	0.013	0.013	-0.011	-0.084
x		80.126%	0.690	0.689	78.397%	0.021	0.017	0.011	-0.078
σ		1.556%	0.196	0.132	1.621%	0.011	0.006	0.059	0.007
%RSD		1.942	28.360	19.100	2.068	50.930	34.100	538.800	9.310

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:25:45	79.835%	3.319	1.334	1.222	52.920	56.100	84.111%	85.787%
2	21:26:27	82.421%	2.646	1.019	1.036	53.590	52.400	87.789%	89.555%
3	21:27:08	83.336%	2.358	0.820	0.790	54.830	56.510	89.156%	90.354%
x		81.864%	2.774	1.057	1.016	53.780	55.000	87.018%	88.565%
σ		1.816%	0.493	0.259	0.217	0.968	2.265	2.609%	2.439%
%RSD		2.218	17.780	24.490	21.310	1.799	4.119	2.998	2.754

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:25:45	0.010	0.023	0.362	0.415	0.411	85.627%
2	21:26:27	0.029	0.022	0.353	0.441	0.419	88.366%
3	21:27:08	0.004	0.020	0.412	0.433	0.409	88.287%
x		0.014	0.022	0.376	0.429	0.413	87.427%
σ		0.013	0.001	0.032	0.013	0.005	1.559%
%RSD		92.130	6.373	8.431	3.017	1.293	1.783

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:32:55	83.111%	99.620	96.840	94.830	0.000	47150.000	41280.000	41460.000
2	21:33:37	82.933%	98.890	95.100	96.040	0.000	47170.000	41690.000	42120.000
3	21:34:19	83.854%	100.600	95.400	95.130	0.000	47160.000	42260.000	42220.000
x		83.299%	99.706%	95.782%	95.334%	0.000	94.318%	83.480%	83.867%
σ		0.489%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.586	0.858	0.973	0.659	0.000	0.021	1.179	0.975
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:32:55	464.800	4846.000	0.000	48120.000	48130.000	47260.000	80.370%	98.860
2	21:33:37	466.400	4886.000	0.000	47850.000	48710.000	47620.000	81.999%	103.500
3	21:34:19	468.000	4871.000	0.000	47760.000	48040.000	47900.000	82.559%	99.010
x		93.282%	97.355%	0.000	95.823%	96.585%	95.188%	81.643%	100.448%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.137%	n/a
%RSD		0.352	0.423	0.000	0.391	0.747	0.673	1.392	2.611
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:32:55	96.540	98.150	478.000	24490.000	24100.000	98.130	103.100	101.500
2	21:33:37	98.080	97.770	482.000	24090.000	24230.000	98.180	100.100	98.960
3	21:34:19	99.370	98.370	486.300	24040.000	24320.000	99.740	99.940	101.800
x		97.996%	98.097%	96.417%	96.819%	96.866%	98.685%	101.054%	100.742%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.445	0.313	0.854	1.041	0.463	0.927	1.756	1.537
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:32:55	102.700	102.600	100.200	101.100	91.590	101.000	0.000	97.470
2	21:33:37	101.200	99.400	99.930	95.970	99.030	97.800	0.000	96.430
3	21:34:19	99.560	101.000	100.900	97.580	94.790	95.220	0.000	96.240
x		101.153%	101.027%	100.350%	98.216%	95.136%	98.014%	0.000	96.711%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.530	1.601	0.527	2.670	3.926	2.961	0.000	0.686
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:32:55	80.392%	96.880	98.160	79.515%	96.570	97.060	92.430	95.720
2	21:33:37	83.268%	99.350	100.500	82.174%	97.780	99.500	98.570	98.090
3	21:34:19	84.799%	102.200	102.100	83.618%	98.030	98.790	97.280	96.440
x		82.819%	99.467%	100.256%	81.769%	97.457%	98.448%	96.093%	96.751%
σ		2.238%	n/a	n/a	2.082%	n/a	n/a	n/a	n/a
%RSD		2.702	2.660	1.997	2.546	0.803	1.279	3.373	1.256
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:32:55	82.043%	97.800	96.830	97.400	98.950	97.700	86.326%	87.048%
2	21:33:37	84.551%	98.380	99.750	98.550	99.600	94.810	88.164%	90.288%
3	21:34:19	85.926%	98.480	100.600	99.460	101.000	97.280	91.696%	92.841%
x		84.173%	98.218%	99.047%	98.471%	99.835%	96.598%	88.729%	90.059%
σ		1.969%	n/a	n/a	n/a	n/a	n/a	2.729%	2.903%
%RSD		2.339	0.371	1.985	1.046	1.027	1.615	3.076	3.224
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:32:55	97.110	97.170	97.880	98.030	98.120	85.163%		
2	21:33:37	99.070	98.580	99.780	100.400	99.870	88.295%		
3	21:34:19	99.110	99.240	98.330	100.600	99.480	90.191%		
x		98.431%	98.331%	98.664%	99.675%	99.157%	87.883%		
σ		n/a	n/a	n/a	n/a	n/a	2.539%		
%RSD		1.163	1.074	1.005	1.439	0.926	2.889		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:40:08	86.141%	0.005	1.921	2.175	0.000	-22.060	20.140	21.750
2	21:40:50	87.487%	0.039	1.754	2.332	0.000	12.270	36.590	40.150
3	21:41:32	86.281%	0.005	2.941	2.222	0.000	-7.703	32.570	35.060
x		86.636%	0.016	2.206	2.243	0.000	-5.828	29.760	32.320
σ		0.740%	0.020	0.643	0.081	0.000	17.240	8.576	9.498
%RSD		0.854	122.700	29.140	3.594	0.000	295.800	28.810	29.390
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:40:08	-1.203	4.935	0.000	14.570	51.050	48.280	83.155%	0.038
2	21:40:50	0.717	4.928	0.000	29.420	72.550	77.790	83.215%	0.537
3	21:41:32	0.529	4.465	0.000	17.000	78.200	69.250	82.988%	0.226
x		0.014	4.776	0.000	20.330	67.270	65.110	83.120%	0.267
σ		1.059	0.270	0.000	7.967	14.330	15.190	0.118%	0.252
%RSD		7426.000	5.643	0.000	39.180	21.300	23.330	0.141	94.530
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:40:08	0.029	-0.001	0.297	22.590	26.600	0.050	0.052	0.330
2	21:40:50	0.092	0.103	0.676	25.840	30.640	0.097	0.279	0.528
3	21:41:32	0.077	0.034	0.529	22.060	29.740	0.105	0.156	0.361
x		0.066	0.046	0.501	23.500	28.990	0.084	0.162	0.406
σ		0.033	0.053	0.191	2.046	2.122	0.030	0.114	0.106
%RSD		49.900	115.900	38.110	8.707	7.318	35.490	70.030	26.180
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:40:08	0.336	0.486	0.601	-0.369	-0.697	-1.312	0.000	0.465
2	21:40:50	0.396	0.482	0.640	-0.087	-0.013	-0.818	0.000	0.961
3	21:41:32	0.420	0.326	1.067	-0.314	-0.454	-0.490	0.000	0.781
x		0.384	0.431	0.770	-0.257	-0.388	-0.873	0.000	0.736
σ		0.043	0.091	0.259	0.150	0.347	0.414	0.000	0.251
%RSD		11.320	21.210	33.640	58.290	89.420	47.390	0.000	34.100
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:40:08	83.004%	0.415	0.428	84.295%	0.062	0.047	0.108	0.022
2	21:40:50	83.621%	0.395	0.390	85.246%	0.057	0.066	0.160	0.008
3	21:41:32	82.853%	0.336	0.269	84.928%	0.034	0.057	0.109	0.023
x		83.159%	0.382	0.363	84.823%	0.051	0.057	0.126	0.018
σ		0.407%	0.041	0.083	0.484%	0.015	0.009	0.030	0.008
%RSD		0.489	10.710	22.910	0.571	28.940	16.430	23.660	45.910
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:40:08	83.516%	1.897	0.241	0.202	0.171	0.150	85.477%	86.410%
2	21:40:50	85.218%	1.895	0.271	0.255	0.476	0.239	86.296%	87.390%
3	21:41:32	84.878%	1.857	0.226	0.294	0.294	0.450	87.169%	87.216%
x		84.537%	1.883	0.246	0.250	0.313	0.280	86.314%	87.005%
σ		0.901%	0.022	0.023	0.046	0.153	0.154	0.846%	0.523%
%RSD		1.066	1.181	9.171	18.490	48.920	54.990	0.981	0.601
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:40:08	0.049	0.068	0.053	0.049	0.060	88.786%		
2	21:40:50	0.088	0.089	0.080	0.060	0.077	89.236%		
3	21:41:32	0.082	0.069	0.056	0.056	0.050	89.319%		
x		0.073	0.075	0.063	0.055	0.062	89.114%		
σ		0.021	0.012	0.015	0.006	0.013	0.287%		
%RSD		28.840	15.980	23.570	10.350	21.530	0.322		

180-17219-A-3-A 12/29/2012 9:43:45 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:26	84.630%	-0.031	46.630	46.090	0.000	34690.000	14930.000	14960.000
2	21:45:08	86.369%	-0.031	46.460	48.410	0.000	34220.000	14940.000	14990.000
3	21:45:50	84.984%	-0.031	49.990	48.340	0.000	34570.000	15150.000	15220.000
x		85.328%	-0.031	47.690	47.610	0.000	34490.000	15010.000	15050.000
σ		0.919%	0.000	1.987	1.322	0.000	245.600	127.300	142.300
%RSD		1.077	0.000	4.167	2.777	0.000	0.712	0.848	0.946

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:26	0.376	5069.000	0.000	2424.000	19790.000	19090.000	80.864%	2.224
2	21:45:08	0.669	5050.000	0.000	2438.000	19410.000	19120.000	82.175%	1.492
3	21:45:50	0.591	5115.000	0.000	2470.000	19670.000	19440.000	82.537%	1.736
x		0.546	5078.000	0.000	2444.000	19620.000	19220.000	81.859%	1.817
σ		0.152	33.530	0.000	23.570	194.400	192.000	0.880%	0.373
%RSD		27.810	0.660	0.000	0.965	0.991	0.999	1.075	20.510

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:26	-0.007	-0.199	39.050	10390.000	9937.000	0.483	0.531	0.974
2	21:45:08	-0.065	-0.135	38.940	10250.000	10010.000	0.498	0.480	0.778
3	21:45:50	-0.114	-0.178	39.640	10290.000	10090.000	0.524	0.475	0.794
x		-0.062	-0.171	39.210	10310.000	10010.000	0.502	0.495	0.848
σ		0.053	0.032	0.374	71.240	77.120	0.020	0.031	0.109
%RSD		86.090	19.010	0.954	0.691	0.770	4.077	6.287	12.810

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:26	0.966	14.580	13.840	12.170	-1.355	-1.463	0.000	118.600
2	21:45:08	0.798	15.480	16.250	11.970	-1.762	0.481	0.000	118.900
3	21:45:50	0.960	13.960	14.020	12.750	-1.064	-0.525	0.000	122.100
x		0.908	14.670	14.700	12.300	-1.394	-0.502	0.000	119.900
σ		0.096	0.761	1.344	0.401	0.350	0.972	0.000	1.965
%RSD		10.520	5.186	9.142	3.264	25.140	193.600	0.000	1.639

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:26	81.775%	0.433	0.627	81.219%	-0.002	0.003	0.087	0.102
2	21:45:08	83.443%	0.507	0.520	83.165%	-0.006	0.003	0.095	0.000
3	21:45:50	83.675%	0.540	0.529	84.071%	0.012	0.003	0.205	0.164
x		82.964%	0.493	0.559	82.818%	0.001	0.003	0.129	0.088
σ		1.037%	0.055	0.060	1.457%	0.009	0.000	0.066	0.083
%RSD		1.250	11.150	10.650	1.759	813.600	6.709	50.920	93.440

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:26	82.257%	1.590	0.234	0.251	58.950	60.170	85.014%	86.720%
2	21:45:08	85.156%	1.368	0.270	0.152	59.710	58.820	88.917%	89.643%
3	21:45:50	85.808%	1.779	0.189	0.226	59.620	59.150	89.616%	90.668%
x		84.407%	1.579	0.231	0.210	59.430	59.380	87.849%	89.011%
σ		1.890%	0.206	0.041	0.052	0.417	0.705	2.480%	2.049%
%RSD		2.239	13.030	17.560	24.620	0.701	1.187	2.823	2.302

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:26	0.009	0.012	0.907	0.937	0.934	90.783%
2	21:45:08	0.019	0.030	0.878	1.008	0.904	91.842%
3	21:45:50	0.019	0.022	0.976	0.968	0.915	91.346%
x		0.016	0.022	0.921	0.971	0.918	91.323%
σ		0.006	0.009	0.050	0.036	0.015	0.530%
%RSD		38.770	40.350	5.436	3.664	1.646	0.580

180-17219-A-4-A 12/29/2012 9:48:01 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:48:42	85.656%	0.005	50.850	47.300	0.000	35190.000	15160.000	15280.000
2	21:49:24	85.587%	-0.031	48.160	50.610	0.000	35100.000	15450.000	15390.000
3	21:50:06	84.839%	-0.031	49.200	50.680	0.000	35120.000	15540.000	15500.000
x		85.361%	-0.019	49.400	49.530	0.000	35140.000	15390.000	15390.000
σ		0.453%	0.021	1.360	1.932	0.000	42.750	197.500	110.000
%RSD		0.531	109.200	2.753	3.901	0.000	0.122	1.284	0.715

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:48:42	-1.137	5190.000	0.000	2464.000	19770.000	19360.000	83.497%	2.152
2	21:49:24	-1.031	5242.000	0.000	2492.000	20380.000	19560.000	83.960%	1.768
3	21:50:06	-1.465	5236.000	0.000	2489.000	19890.000	19540.000	83.902%	1.646
x		-1.211	5223.000	0.000	2482.000	20010.000	19490.000	83.786%	1.855
σ		0.226	28.800	0.000	15.020	321.900	112.600	0.252%	0.264
%RSD		18.700	0.551	0.000	0.605	1.608	0.578	0.301	14.250

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:48:42	-0.117	-0.102	40.240	10560.000	10150.000	0.470	0.820	0.839
2	21:49:24	-0.044	-0.124	40.420	10530.000	10260.000	0.500	0.458	0.699
3	21:50:06	-0.054	-0.131	40.450	10470.000	10260.000	0.540	0.423	0.592
x		-0.072	-0.119	40.370	10520.000	10220.000	0.504	0.567	0.710
σ		0.040	0.015	0.117	47.310	65.130	0.035	0.220	0.124
%RSD		55.440	12.930	0.289	0.450	0.637	7.043	38.820	17.510

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:48:42	0.832	14.230	13.600	12.870	0.005	-0.982	0.000	121.300
2	21:49:24	0.677	13.940	12.860	12.190	-0.978	-1.369	0.000	120.800
3	21:50:06	1.009	13.770	15.130	13.020	-0.500	-0.194	0.000	122.900
x		0.840	13.980	13.860	12.690	-0.491	-0.849	0.000	121.600
σ		0.166	0.230	1.157	0.445	0.492	0.599	0.000	1.070
%RSD		19.770	1.646	8.345	3.503	100.100	70.560	0.000	0.879

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:48:42	83.047%	0.420	0.667	82.772%	0.007	0.003	0.230	0.226
2	21:49:24	84.325%	0.536	0.503	84.131%	0.003	-0.002	0.249	0.150
3	21:50:06	83.940%	0.498	0.478	84.608%	-0.002	-0.007	0.208	0.146
x		83.771%	0.485	0.549	83.837%	0.003	-0.002	0.229	0.174
σ		0.656%	0.059	0.102	0.953%	0.005	0.005	0.021	0.045
%RSD		0.783	12.190	18.640	1.137	173.000	250.700	9.058	25.940

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:48:42	83.451%	2.387	0.195	0.181	59.420	61.050	87.925%	88.391%
2	21:49:24	85.149%	3.196	0.205	0.203	60.310	60.700	88.690%	90.654%
3	21:50:06	85.434%	2.513	0.165	0.158	60.000	60.270	89.336%	90.957%
x		84.678%	2.699	0.188	0.181	59.910	60.670	88.651%	90.001%
σ		1.072%	0.435	0.021	0.023	0.454	0.391	0.706%	1.402%
%RSD		1.266	16.130	11.090	12.560	0.759	0.644	0.797	1.558

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:48:42	0.018	0.013	0.787	0.768	0.809	88.551%
2	21:49:24	-0.005	0.018	0.857	0.854	0.860	90.112%
3	21:50:06	0.000	0.014	0.860	0.923	0.882	90.132%
x		0.004	0.015	0.834	0.848	0.850	89.598%
σ		0.012	0.003	0.041	0.077	0.037	0.907%
%RSD		277.900	18.490	4.957	9.129	4.370	1.012

180-17219-A-5-A 12/29/2012 9:52:18 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:59	84.352%	0.005	39.720	42.520	0.000	46380.000	21080.000	21140.000
2	21:53:41	84.146%	-0.031	42.990	44.060	0.000	46090.000	21220.000	21160.000
3	21:54:23	86.084%	0.005	43.380	43.380	0.000	45770.000	21140.000	21180.000
x		84.861%	-0.007	42.030	43.320	0.000	46080.000	21150.000	21160.000
σ		1.065%	0.021	2.012	0.775	0.000	309.400	67.870	22.270
%RSD		1.254	301.900	4.788	1.789	0.000	0.671	0.321	0.105

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:59	25.130	11510.000	0.000	1028.000	30180.000	29480.000	83.022%	2.038
2	21:53:41	26.520	11510.000	0.000	1019.000	30650.000	29270.000	84.677%	1.813
3	21:54:23	25.560	11530.000	0.000	1028.000	30190.000	29700.000	84.619%	2.181
x		25.730	11520.000	0.000	1025.000	30340.000	29490.000	84.106%	2.011
σ		0.710	8.818	0.000	5.262	266.900	216.000	0.939%	0.186
%RSD		2.759	0.077	0.000	0.513	0.880	0.733	1.116	9.227

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:59	0.071	-0.085	684.300	23620.000	23190.000	0.964	0.086	1.158
2	21:53:41	0.208	-0.040	683.700	23130.000	23010.000	0.872	0.276	1.177
3	21:54:23	0.135	-0.103	688.800	23170.000	23200.000	0.773	0.259	1.219
x		0.138	-0.076	685.600	23300.000	23130.000	0.870	0.207	1.185
σ		0.069	0.032	2.775	271.000	105.500	0.096	0.105	0.031
%RSD		49.800	42.360	0.405	1.163	0.456	11.020	50.930	2.610

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:59	0.975	5.494	5.553	50.940	0.209	-0.691	0.000	246.600
2	21:53:41	1.234	5.357	6.030	49.920	-1.710	-0.313	0.000	245.800
3	21:54:23	1.186	6.421	6.513	51.820	0.313	-0.778	0.000	247.300
x		1.132	5.758	6.032	50.890	-0.396	-0.594	0.000	246.600
σ		0.138	0.579	0.480	0.948	1.139	0.247	0.000	0.719
%RSD		12.200	10.060	7.954	1.864	287.800	41.660	0.000	0.292

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:59	84.014%	0.312	0.409	83.032%	0.007	-0.002	0.075	0.003
2	21:53:41	85.637%	0.399	0.369	85.145%	-0.002	-0.002	0.049	-0.008
3	21:54:23	86.772%	0.465	0.500	85.908%	0.016	0.003	-0.044	-0.064
x		85.474%	0.392	0.426	84.695%	0.007	-0.001	0.027	-0.023
σ		1.386%	0.077	0.067	1.490%	0.009	0.003	0.062	0.036
%RSD		1.622	19.650	15.690	1.759	126.000	510.900	232.600	155.800

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:59	83.881%	1.356	0.163	0.148	79.010	78.280	87.780%	89.645%
2	21:53:41	87.891%	0.904	0.160	0.128	74.080	75.230	91.737%	92.061%
3	21:54:23	88.466%	0.729	0.145	0.139	75.780	78.840	91.614%	93.492%
x		86.746%	0.996	0.156	0.138	76.290	77.450	90.377%	91.733%
σ		2.498%	0.323	0.010	0.010	2.504	1.944	2.250%	1.945%
%RSD		2.879	32.470	6.449	7.429	3.282	2.511	2.489	2.120

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:59	-0.002	0.014	0.272	0.333	0.293	88.875%
2	21:53:41	0.005	0.007	0.273	0.341	0.317	91.612%
3	21:54:23	0.008	0.006	0.296	0.314	0.321	92.774%
x		0.004	0.009	0.280	0.329	0.310	91.087%
σ		0.005	0.004	0.013	0.014	0.015	2.002%
%RSD		140.300	50.240	4.753	4.202	4.874	2.198

180-17219-A-6-A 12/29/2012 9:56:35 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:17	83.697%	-0.031	32.530	31.560	0.000	3513.000	3178.000	3174.000
2	21:57:59	83.326%	-0.031	29.940	31.430	0.000	3047.000	3187.000	3179.000
3	21:58:40	82.418%	0.006	32.280	34.220	0.000	3065.000	3166.000	3159.000
x		83.147%	-0.018	31.580	32.400	0.000	3208.000	3177.000	3171.000
σ		0.658%	0.021	1.430	1.574	0.000	264.000	10.490	10.410
%RSD		0.791	116.400	4.528	4.857	0.000	8.228	0.330	0.328

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:17	2.854	2720.000	0.000	4239.000	23990.000	23310.000	82.429%	1.173
2	21:57:59	1.881	2715.000	0.000	4229.000	23410.000	23350.000	81.274%	0.743
3	21:58:40	2.391	2713.000	0.000	4231.000	24040.000	23300.000	80.623%	0.428
x		2.375	2716.000	0.000	4233.000	23810.000	23320.000	81.442%	0.781
σ		0.486	3.688	0.000	5.418	352.600	23.770	0.915%	0.374
%RSD		20.480	0.136	0.000	0.128	1.481	0.102	1.123	47.880

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:17	1.494	0.131	40.090	148.800	222.000	0.491	0.229	2.746
2	21:57:59	1.186	0.037	39.590	117.700	187.300	0.633	0.304	2.336
3	21:58:40	1.534	0.148	39.850	115.200	186.700	0.561	0.408	2.579
x		1.405	0.105	39.850	127.200	198.600	0.561	0.314	2.554
σ		0.190	0.060	0.251	18.710	20.220	0.071	0.090	0.206
%RSD		13.540	56.820	0.630	14.710	10.180	12.630	28.640	8.071

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:17	2.100	6.452	7.013	2.550	-0.557	0.479	0.000	151.800
2	21:57:59	2.798	6.560	6.503	2.521	0.060	1.175	0.000	151.500
3	21:58:40	2.689	6.696	6.780	2.369	-0.640	-0.503	0.000	151.400
x		2.529	6.569	6.765	2.480	-0.379	0.384	0.000	151.600
σ		0.375	0.122	0.255	0.098	0.383	0.843	0.000	0.197
%RSD		14.850	1.861	3.775	3.938	101.000	219.700	0.000	0.130

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:17	82.558%	4.315	3.886	83.503%	-0.002	-0.007	-0.116	-0.155
2	21:57:59	82.327%	4.143	4.364	82.858%	-0.002	-0.007	-0.031	-0.003
3	21:58:40	82.040%	4.347	4.509	82.341%	-0.002	-0.007	0.019	-0.019
x		82.308%	4.268	4.253	82.901%	-0.002	-0.007	-0.042	-0.059
σ		0.260%	0.110	0.326	0.582%	0.000	0.000	0.068	0.083
%RSD		0.316	2.571	7.662	0.703	1.454	0.000	160.600	140.400

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:17	84.584%	1.930	0.945	0.961	13.590	13.630	88.271%	88.560%
2	21:57:59	84.087%	2.211	1.034	0.945	13.300	13.090	88.999%	88.736%
3	21:58:40	84.022%	1.909	1.101	0.954	13.760	13.800	88.010%	88.824%
x		84.231%	2.016	1.027	0.954	13.550	13.500	88.427%	88.707%
σ		0.308%	0.169	0.079	0.008	0.232	0.372	0.513%	0.134%
%RSD		0.365	8.383	7.647	0.835	1.709	2.756	0.580	0.151

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:17	0.006	0.018	0.281	0.262	0.286	90.402%
2	21:57:59	0.017	0.019	0.264	0.258	0.267	90.390%
3	21:58:40	0.000	0.015	0.259	0.256	0.280	89.851%
x		0.008	0.017	0.268	0.259	0.278	90.214%
σ		0.008	0.002	0.012	0.003	0.009	0.315%
%RSD		107.900	12.820	4.309	1.185	3.417	0.349

180-17219-A-6-A SD@5 12/29/2012 10:00:53 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:01:35	79.161%	-0.031	7.470	8.543	0.000	599.800	642.000	653.900
2	22:02:17	81.915%	-0.031	8.978	7.637	0.000	571.900	645.600	636.700
3	22:02:58	81.276%	-0.031	6.604	7.758	0.000	559.200	641.400	636.300
x		80.784%	-0.031	7.684	7.980	0.000	577.000	643.000	642.300
σ		1.441%	0.000	1.201	0.492	0.000	20.750	2.259	10.050
%RSD		1.784	0.000	15.640	6.163	0.000	3.596	0.351	1.565

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:01:35	-0.234	539.500	0.000	835.500	4892.000	4623.000	77.222%	0.451
2	22:02:17	-1.338	538.900	0.000	833.300	5004.000	4647.000	76.687%	0.116
3	22:02:58	-2.528	535.200	0.000	831.900	4447.000	4619.000	76.103%	0.254
x		-1.366	537.900	0.000	833.600	4781.000	4630.000	76.671%	0.273
σ		1.147	2.344	0.000	1.808	294.600	15.430	0.560%	0.168
%RSD		83.970	0.436	0.000	0.217	6.162	0.333	0.730	61.620

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:01:35	0.254	-0.049	8.522	38.000	51.480	0.128	0.283	0.816
2	22:02:17	0.231	-0.015	8.380	31.430	44.960	0.107	0.104	0.879
3	22:02:58	0.355	0.012	8.520	27.900	45.140	0.112	0.132	0.680
x		0.280	-0.017	8.474	32.440	47.190	0.116	0.173	0.792
σ		0.066	0.031	0.081	5.128	3.711	0.011	0.096	0.102
%RSD		23.570	175.100	0.962	15.800	7.863	9.480	55.600	12.860

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:01:35	0.740	1.154	1.842	0.571	-0.572	0.144	0.000	31.650
2	22:02:17	1.028	1.473	1.587	0.365	-1.730	-0.158	0.000	30.710
3	22:02:58	0.946	1.583	1.026	0.833	-1.343	-0.057	0.000	30.320
x		0.905	1.403	1.485	0.590	-1.215	-0.024	0.000	30.890
σ		0.148	0.223	0.417	0.235	0.590	0.154	0.000	0.684
%RSD		16.400	15.850	28.100	39.790	48.520	648.300	0.000	2.213

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:01:35	77.397%	1.071	0.714	78.952%	0.003	0.009	-0.055	-0.117
2	22:02:17	78.361%	0.787	0.658	79.110%	0.013	-0.007	-0.153	-0.189
3	22:02:58	78.182%	0.750	0.704	78.664%	0.003	0.009	0.115	0.085
x		77.980%	0.870	0.692	78.909%	0.006	0.004	-0.031	-0.074
σ		0.513%	0.176	0.030	0.226%	0.006	0.009	0.136	0.142
%RSD		0.657	20.190	4.311	0.287	85.700	257.800	440.600	192.600

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:01:35	78.770%	0.926	0.293	0.228	3.222	2.978	83.150%	83.874%
2	22:02:17	81.117%	0.729	0.290	0.288	2.744	2.831	84.456%	84.568%
3	22:02:58	80.607%	0.702	0.234	0.162	2.543	2.734	84.171%	85.085%
x		80.165%	0.786	0.272	0.226	2.836	2.848	83.926%	84.509%
σ		1.234%	0.123	0.033	0.063	0.349	0.123	0.687%	0.607%
%RSD		1.540	15.620	12.190	27.830	12.290	4.303	0.818	0.719

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:01:35	-0.001	0.010	0.086	0.106	0.072	84.273%
2	22:02:17	0.010	0.008	0.077	0.044	0.065	85.597%
3	22:02:58	0.010	0.014	0.055	0.055	0.064	86.154%
x		0.006	0.011	0.073	0.068	0.067	85.341%
σ		0.007	0.003	0.016	0.033	0.004	0.966%
%RSD		100.300	27.320	21.780	48.780	6.579	1.132

180-17219-A-6-B MS 12/29/2012 10:05:12 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:53	81.123%	50.040	945.900	936.000	0.000	50120.000	44210.000	44620.000
2	22:06:35	82.071%	49.830	961.600	955.900	0.000	50250.000	44840.000	45270.000
3	22:07:17	81.524%	51.560	978.500	957.200	0.000	50400.000	45160.000	45360.000
x		81.573%	50.470	962.000	949.700	0.000	50260.000	44740.000	45080.000
σ		0.476%	0.944	16.300	11.880	0.000	138.300	481.400	406.300
%RSD		0.583	1.871	1.695	1.251	0.000	0.275	1.076	0.901

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:53	1847.000	12380.000	0.000	52620.000	70900.000	71470.000	77.999%	982.600
2	22:06:35	1873.000	12620.000	0.000	52610.000	73550.000	73120.000	78.235%	1005.000
3	22:07:17	1884.000	12640.000	0.000	52260.000	70770.000	72490.000	78.943%	986.300
x		1868.000	12550.000	0.000	52500.000	71740.000	72360.000	78.392%	991.300
σ		19.000	143.200	0.000	206.300	1568.000	831.800	0.491%	11.920
%RSD		1.017	1.141	0.000	0.393	2.186	1.149	0.626	1.202

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:53	494.400	195.200	530.800	975.700	1301.000	489.500	495.900	248.400
2	22:06:35	504.200	197.700	537.000	991.700	1299.000	497.000	502.100	254.500
3	22:07:17	503.300	199.100	536.600	991.000	1314.000	495.900	500.900	251.200
x		500.600	197.400	534.800	986.100	1305.000	494.200	499.600	251.400
σ		5.396	1.971	3.487	9.066	8.040	4.022	3.316	3.059
%RSD		1.078	0.999	0.652	0.919	0.616	0.814	0.664	1.217

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:53	246.200	487.800	490.700	41.500	10.740	9.919	0.000	1130.000
2	22:06:35	255.300	485.000	491.200	41.130	10.680	8.737	0.000	1135.000
3	22:07:17	250.300	491.100	498.300	42.260	6.133	8.174	0.000	1132.000
x		250.600	488.000	493.400	41.630	9.187	8.943	0.000	1132.000
σ		4.533	3.083	4.262	0.576	2.644	0.890	0.000	2.359
%RSD		1.809	0.632	0.864	1.384	28.780	9.954	0.000	0.208

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:53	76.868%	1015.000	1022.000	75.515%	49.460	49.550	47.830	39.900
2	22:06:35	78.966%	1024.000	1025.000	77.717%	48.920	49.770	48.250	43.070
3	22:07:17	79.463%	1028.000	1036.000	77.967%	50.440	50.010	49.480	41.820
x		78.432%	1022.000	1028.000	77.066%	49.610	49.780	48.520	41.600
σ		1.378%	6.665	7.663	1.349%	0.772	0.229	0.857	1.597
%RSD		1.756	0.652	0.746	1.751	1.557	0.459	1.766	3.840

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:53	78.779%	2015.000	487.100	484.700	1975.000	1987.000	84.280%	85.910%
2	22:06:35	80.860%	2029.000	493.800	494.900	1974.000	1969.000	86.857%	88.968%
3	22:07:17	81.409%	2029.000	494.600	493.500	1967.000	1984.000	87.471%	88.832%
x		80.349%	2024.000	491.800	491.000	1972.000	1980.000	86.203%	87.903%
σ		1.388%	7.820	4.106	5.511	4.079	9.308	1.693%	1.727%
%RSD		1.727	0.386	0.835	1.122	0.207	0.470	1.964	1.965

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:53	48.650	49.160	19.700	20.380	20.150	85.719%
2	22:06:35	50.520	49.440	20.300	20.420	20.410	87.574%
3	22:07:17	50.910	50.110	20.590	20.690	20.610	87.919%
x		50.030	49.570	20.200	20.500	20.390	87.071%
σ		1.207	0.487	0.451	0.172	0.232	1.183%
%RSD		2.412	0.982	2.233	0.841	1.137	1.359

180-17219-A-6-C MSD 12/29/2012 10:09:28 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:10	78.556%	52.030	961.400	957.300	0.000	50470.000	44730.000	44860.000
2	22:10:52	80.106%	47.620	948.200	948.200	0.000	49410.000	44320.000	44600.000
3	22:11:33	79.312%	47.430	970.200	959.800	0.000	50000.000	45010.000	45210.000
x		79.325%	49.030	959.900	955.100	0.000	49960.000	44690.000	44890.000
σ		0.775%	2.600	11.110	6.123	0.000	531.900	347.800	309.300
%RSD		0.978	5.304	1.157	0.641	0.000	1.065	0.778	0.689

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:10	1851.000	12440.000	0.000	52100.000	70370.000	70570.000	76.839%	974.800
2	22:10:52	1844.000	12380.000	0.000	51690.000	72190.000	71090.000	77.074%	981.700
3	22:11:33	1857.000	12430.000	0.000	51840.000	71400.000	71760.000	76.614%	989.800
x		1851.000	12420.000	0.000	51870.000	71320.000	71140.000	76.842%	982.100
σ		6.339	31.270	0.000	206.400	912.100	596.300	0.230%	7.512
%RSD		0.343	0.252	0.000	0.398	1.279	0.838	0.299	0.765

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:10	491.600	195.500	523.300	901.800	1220.000	486.600	488.000	245.900
2	22:10:52	490.100	195.100	519.800	903.300	1242.000	486.900	493.000	251.000
3	22:11:33	501.600	196.700	524.300	908.100	1214.000	487.200	496.300	246.800
x		494.400	195.700	522.500	904.400	1225.000	486.900	492.400	247.900
σ		6.278	0.823	2.347	3.299	15.110	0.314	4.203	2.753
%RSD		1.270	0.420	0.449	0.365	1.234	0.064	0.853	1.111

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:10	252.500	476.200	484.800	42.190	8.618	8.293	0.000	1094.000
2	22:10:52	251.000	485.600	485.300	39.850	8.607	10.100	0.000	1103.000
3	22:11:33	252.600	485.200	491.200	40.130	7.631	9.042	0.000	1107.000
x		252.000	482.300	487.100	40.720	8.285	9.143	0.000	1101.000
σ		0.912	5.291	3.539	1.276	0.566	0.906	0.000	6.430
%RSD		0.362	1.097	0.727	3.134	6.836	9.904	0.000	0.584

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:10	78.002%	1005.000	1018.000	75.396%	49.180	48.530	50.230	42.090
2	22:10:52	79.046%	1012.000	1023.000	76.775%	49.060	48.940	47.250	40.490
3	22:11:33	79.005%	1016.000	1024.000	76.977%	48.640	48.820	49.020	41.050
x		78.684%	1011.000	1021.000	76.382%	48.960	48.760	48.830	41.210
σ		0.591%	5.328	3.381	0.860%	0.281	0.210	1.497	0.812
%RSD		0.751	0.527	0.331	1.126	0.573	0.431	3.065	1.971

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:10	77.556%	2024.000	492.100	494.600	1959.000	1959.000	83.399%	85.567%
2	22:10:52	80.805%	2000.000	490.200	488.900	1907.000	1936.000	87.367%	88.407%
3	22:11:33	81.833%	1988.000	488.900	489.900	1941.000	1939.000	86.994%	88.649%
x		80.065%	2004.000	490.400	491.100	1936.000	1945.000	85.920%	87.541%
σ		2.232%	18.530	1.646	3.060	26.520	12.890	2.191%	1.714%
%RSD		2.788	0.925	0.336	0.623	1.370	0.663	2.550	1.958

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:10	49.820	49.450	20.400	20.020	20.310	84.271%
2	22:10:52	49.960	49.780	20.130	21.160	20.420	86.250%
3	22:11:33	50.480	49.630	20.730	20.480	20.580	86.674%
x		50.090	49.620	20.420	20.560	20.440	85.732%
σ		0.347	0.166	0.299	0.570	0.139	1.283%
%RSD		0.693	0.334	1.464	2.770	0.677	1.496

180-17219-A-7-A 12/29/2012 10:13:44 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:25	79.899%	-0.031	69.420	68.790	0.000	43050.000	18160.000	18200.000
2	22:15:07	81.181%	0.007	66.120	69.020	0.000	42770.000	18120.000	18220.000
3	22:15:48	80.186%	-0.031	65.220	66.880	0.000	43160.000	18510.000	18500.000
x		80.422%	-0.018	66.920	68.230	0.000	42990.000	18260.000	18310.000
σ		0.673%	0.022	2.213	1.177	0.000	200.300	216.100	169.200
%RSD		0.837	119.500	3.307	1.726	0.000	0.466	1.183	0.924

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:25	-1.225	10650.000	0.000	12750.000	93830.000	93040.000	77.255%	2.802
2	22:15:07	-2.262	10690.000	0.000	12700.000	92920.000	93180.000	78.597%	2.422
3	22:15:48	-2.186	10870.000	0.000	12800.000	94620.000	94040.000	78.650%	1.892
x		-1.891	10730.000	0.000	12750.000	93790.000	93420.000	78.167%	2.372
σ		0.578	119.100	0.000	52.970	846.100	542.400	0.790%	0.457
%RSD		30.570	1.110	0.000	0.415	0.902	0.581	1.011	19.270

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:25	0.491	0.531	980.700	46370.000	46170.000	0.238	3.667	0.824
2	22:15:07	0.428	0.380	981.500	45890.000	46320.000	0.187	3.475	0.872
3	22:15:48	0.309	0.479	1000.000	46340.000	46990.000	0.195	4.046	0.713
x		0.410	0.463	987.500	46200.000	46500.000	0.206	3.729	0.803
σ		0.092	0.077	11.050	269.300	436.400	0.027	0.291	0.081
%RSD		22.570	16.570	1.119	0.583	0.939	13.290	7.795	10.120

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:25	0.961	10.220	11.060	7.903	-0.333	-0.825	0.000	716.800
2	22:15:07	0.889	10.170	10.500	8.021	-2.028	-1.855	0.000	711.100
3	22:15:48	1.020	10.000	11.520	7.899	-0.428	-1.196	0.000	722.600
x		0.957	10.130	11.020	7.941	-0.930	-1.292	0.000	716.800
σ		0.065	0.114	0.510	0.069	0.953	0.522	0.000	5.743
%RSD		6.842	1.121	4.628	0.873	102.500	40.390	0.000	0.801

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:25	77.770%	8.684	8.910	76.636%	0.013	-0.007	0.075	-0.004
2	22:15:07	80.026%	6.216	5.927	78.134%	0.013	0.009	0.245	0.238
3	22:15:48	79.971%	4.667	4.824	78.814%	0.013	0.009	0.090	-0.007
x		79.256%	6.522	6.554	77.861%	0.013	0.003	0.137	0.076
σ		1.287%	2.026	2.114	1.114%	0.000	0.009	0.094	0.141
%RSD		1.624	31.070	32.250	1.431	2.196	264.600	68.860	185.900

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:25	80.022%	11.690	9.249	9.061	83.660	84.720	84.688%	86.416%
2	22:15:07	81.990%	7.390	6.389	6.101	84.650	82.720	87.065%	88.491%
3	22:15:48	82.324%	6.022	4.663	4.326	84.970	83.850	87.704%	88.244%
x		81.445%	8.366	6.767	6.496	84.420	83.760	86.486%	87.717%
σ		1.244%	2.956	2.316	2.392	0.683	1.004	1.589%	1.133%
%RSD		1.527	35.330	34.230	36.830	0.809	1.198	1.837	1.292

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:25	0.010	0.003	1.484	1.379	1.430	87.514%
2	22:15:07	-0.002	0.004	1.374	1.369	1.472	89.106%
3	22:15:48	-0.002	0.005	1.516	1.490	1.483	88.598%
x		0.002	0.004	1.458	1.413	1.462	88.406%
σ		0.007	0.001	0.074	0.067	0.028	0.814%
%RSD		372.700	25.210	5.107	4.758	1.930	0.920

180-17219-A-8-A 12/29/2012 10:17:58 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:18:40	82.366%	-0.031	193.300	188.800	0.000	44250.000	21380.000	21470.000
2	22:19:22	82.828%	0.006	188.200	190.200	0.000	44200.000	21470.000	21520.000
3	22:20:03	83.742%	0.042	187.800	188.100	0.000	43940.000	21550.000	21520.000
x		82.979%	0.006	189.700	189.000	0.000	44130.000	21470.000	21500.000
σ		0.700%	0.036	3.067	1.080	0.000	166.600	86.680	26.650
%RSD		0.844	622.800	1.617	0.572	0.000	0.378	0.404	0.124

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:18:40	152.000	8752.000	0.000	6425.000	68280.000	67650.000	80.820%	4.731
2	22:19:22	151.300	8821.000	0.000	6485.000	69140.000	67950.000	81.926%	5.045
3	22:20:03	151.700	8803.000	0.000	6514.000	69020.000	67480.000	81.928%	4.662
x		151.700	8792.000	0.000	6475.000	68810.000	67690.000	81.558%	4.813
σ		0.335	35.890	0.000	45.300	463.600	239.300	0.639%	0.204
%RSD		0.221	0.408	0.000	0.700	0.674	0.354	0.783	4.239

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:18:40	0.925	0.300	139.500	59820.000	59740.000	11.670	2.109	1.278
2	22:19:22	0.759	0.374	139.300	59000.000	59920.000	11.770	2.206	1.688
3	22:20:03	0.720	0.316	141.800	58930.000	60100.000	11.850	2.051	1.456
x		0.801	0.330	140.200	59250.000	59920.000	11.760	2.122	1.474
σ		0.109	0.039	1.350	493.800	178.900	0.094	0.078	0.206
%RSD		13.560	11.840	0.963	0.833	0.299	0.799	3.674	13.940

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:18:40	1.398	151.600	147.300	25.880	-0.974	-1.378	0.000	579.400
2	22:19:22	1.581	146.900	151.000	26.510	-0.082	1.559	0.000	581.200
3	22:20:03	1.529	148.500	148.800	27.360	-1.177	0.849	0.000	577.800
x		1.503	149.000	149.000	26.580	-0.744	0.344	0.000	579.500
σ		0.094	2.379	1.840	0.744	0.582	1.533	0.000	1.712
%RSD		6.245	1.596	1.235	2.799	78.250	446.000	0.000	0.295

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:18:40	81.062%	2.549	2.392	79.820%	0.003	0.003	0.079	0.063
2	22:19:22	82.729%	2.214	2.014	81.630%	0.012	-0.002	0.019	-0.033
3	22:20:03	83.711%	1.862	1.804	82.633%	0.003	0.003	0.203	0.081
x		82.501%	2.208	2.070	81.361%	0.006	0.001	0.100	0.037
σ		1.339%	0.344	0.298	1.426%	0.005	0.003	0.094	0.062
%RSD		1.623	15.560	14.390	1.752	89.190	202.200	93.510	166.400

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:18:40	81.427%	4.834	1.927	2.041	141.700	141.800	86.011%	87.714%
2	22:19:22	83.559%	4.053	1.617	1.750	140.000	142.400	89.652%	89.230%
3	22:20:03	85.104%	3.586	1.455	1.688	140.300	142.000	90.770%	91.232%
x		83.363%	4.158	1.666	1.826	140.700	142.100	88.811%	89.392%
σ		1.846%	0.631	0.240	0.189	0.910	0.307	2.488%	1.765%
%RSD		2.214	15.160	14.390	10.320	0.647	0.216	2.802	1.974

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:18:40	-0.013	0.013	1.587	1.663	1.589	87.091%
2	22:19:22	-0.011	0.012	1.517	1.559	1.544	89.557%
3	22:20:03	0.006	0.007	1.556	1.521	1.536	90.122%
x		-0.006	0.010	1.553	1.581	1.556	88.923%
σ		0.010	0.003	0.035	0.073	0.029	1.612%
%RSD		173.000	29.000	2.275	4.635	1.857	1.812

180-17219-A-9-A 12/29/2012 10:22:14 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:22:56	81.832%	0.007	224.500	219.500	0.000	78220.000	34360.000	34450.000
2	22:23:38	82.500%	-0.031	216.900	218.400	0.000	77550.000	34640.000	34750.000
3	22:24:19	85.304%	-0.031	209.600	207.700	0.000	75510.000	33900.000	34110.000
x		83.212%	-0.018	217.000	215.200	0.000	77090.000	34300.000	34440.000
σ		1.842%	0.021	7.464	6.535	0.000	1414.000	373.200	322.100
%RSD		2.214	117.600	3.440	3.037	0.000	1.835	1.088	0.935

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:22:56	0.207	8656.000	0.000	13920.000	85480.000	84810.000	81.006%	2.605
2	22:23:38	-0.190	8678.000	0.000	13900.000	86410.000	85630.000	81.736%	2.961
3	22:24:19	-0.317	8534.000	0.000	13640.000	84790.000	85130.000	83.224%	2.783
x		-0.100	8623.000	0.000	13820.000	85560.000	85190.000	81.989%	2.783
σ		0.273	77.460	0.000	156.200	814.000	417.500	1.130%	0.178
%RSD		273.100	0.898	0.000	1.131	0.951	0.490	1.379	6.409

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:22:56	0.893	0.100	229.900	57630.000	57670.000	4.249	1.116	0.768
2	22:23:38	0.709	0.027	231.500	57120.000	58320.000	4.299	0.732	0.726
3	22:24:19	0.799	-0.037	229.200	56270.000	57740.000	4.176	1.484	0.829
x		0.800	0.030	230.200	57010.000	57910.000	4.241	1.111	0.774
σ		0.092	0.068	1.192	684.000	357.900	0.062	0.376	0.051
%RSD		11.490	228.000	0.518	1.200	0.618	1.454	33.830	6.642

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:22:56	0.691	9.515	9.873	26.510	-1.831	0.202	0.000	576.800
2	22:23:38	0.596	10.230	10.530	27.410	-0.427	-0.177	0.000	584.700
3	22:24:19	0.810	9.255	10.700	27.770	-1.537	-0.756	0.000	581.600
x		0.699	9.667	10.370	27.230	-1.265	-0.244	0.000	581.100
σ		0.107	0.505	0.439	0.645	0.741	0.482	0.000	4.004
%RSD		15.330	5.227	4.237	2.368	58.560	197.700	0.000	0.689

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:22:56	81.460%	0.654	0.550	79.646%	-0.002	-0.007	0.080	0.018
2	22:23:38	82.438%	0.468	0.576	81.270%	0.003	0.003	0.023	-0.033
3	22:24:19	83.575%	0.329	0.573	82.273%	-0.006	0.003	-0.025	-0.117
x		82.491%	0.484	0.567	81.063%	-0.002	-0.000	0.026	-0.044
σ		1.059%	0.163	0.014	1.326%	0.005	0.006	0.053	0.068
%RSD		1.283	33.690	2.467	1.635	265.800	1910.000	201.500	154.100

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:22:56	81.926%	2.810	0.928	0.918	167.700	166.600	87.054%	88.675%
2	22:23:38	84.287%	2.421	0.915	0.967	162.500	162.700	90.249%	91.291%
3	22:24:19	84.937%	2.659	0.858	0.806	163.000	165.200	91.416%	91.436%
x		83.717%	2.630	0.900	0.897	164.400	164.900	89.573%	90.467%
σ		1.584%	0.197	0.037	0.082	2.859	1.995	2.258%	1.554%
%RSD		1.893	7.473	4.134	9.201	1.739	1.210	2.521	1.718

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:22:56	-0.008	0.003	0.410	0.348	0.375	88.001%
2	22:23:38	0.017	0.005	0.356	0.371	0.354	89.953%
3	22:24:19	0.000	-0.008	0.357	0.338	0.369	90.528%
x		0.003	-0.000	0.375	0.352	0.366	89.494%
σ		0.013	0.007	0.031	0.017	0.011	1.325%
%RSD		391.100	22580.000	8.198	4.786	2.886	1.480

CCV 664806 12/29/2012 10:29:26 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:30:07	81.939%	101.000	99.280	96.110	0.000	48310.000	41900.000	42260.000
2	22:30:49	83.037%	103.700	92.380	97.050	0.000	47710.000	42120.000	42400.000
3	22:31:31	84.512%	99.580	96.170	96.460	0.000	47240.000	42090.000	42200.000
x		83.163%	101.402%	95.943%	96.538%	0.000	95.506%	84.070%	84.571%
σ		1.291%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.552	2.042	3.599	0.491	0.000	1.129	0.275	0.245

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:30:07	471.200	4928.000	0.000	48410.000	48370.000	47520.000	82.719%	94.280
2	22:30:49	469.200	4941.000	0.000	47960.000	48000.000	47830.000	83.918%	101.000
3	22:31:31	470.400	4911.000	0.000	47600.000	47330.000	47600.000	85.789%	96.310
x		94.057%	98.532%	0.000	95.982%	95.796%	95.299%	84.142%	97.182%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.548%	n/a
%RSD		0.211	0.299	0.000	0.843	1.099	0.341	1.839	3.519

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:30:07	96.040	97.670	477.000	24660.000	24200.000	97.890	96.950	99.850
2	22:30:49	98.810	98.020	482.700	24310.000	24480.000	99.220	99.350	100.100
3	22:31:31	97.950	98.000	479.900	23920.000	24160.000	98.370	101.400	99.180
x		97.601%	97.895%	95.975%	97.194%	97.118%	98.494%	99.228%	99.694%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.457	0.203	0.592	1.521	0.707	0.685	2.237	0.463

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:30:07	99.400	101.800	100.100	99.590	97.070	96.810	0.000	97.480
2	22:30:49	100.100	99.080	104.700	99.230	96.310	98.200	0.000	97.750
3	22:31:31	97.780	100.800	99.390	99.580	106.300	103.100	0.000	96.720
x		99.092%	100.569%	101.411%	99.465%	99.891%	99.375%	0.000	97.315%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.202	1.379	2.839	0.209	5.566	3.337	0.000	0.548

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:30:07	82.846%	98.190	99.240	81.251%	96.560	98.100	96.480	96.180
2	22:30:49	84.581%	99.030	99.730	84.005%	98.660	98.740	96.620	97.810
3	22:31:31	86.919%	102.400	102.500	85.015%	97.780	97.790	97.680	96.510
x		84.782%	99.889%	100.474%	83.424%	97.665%	98.208%	96.927%	96.837%
σ		2.044%	n/a	n/a	1.948%	n/a	n/a	n/a	n/a
%RSD		2.411	2.259	1.724	2.335	1.078	0.496	0.679	0.890

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:30:07	83.430%	98.710	98.890	99.040	98.540	98.080	87.071%	88.299%
2	22:30:49	85.851%	100.100	99.400	100.800	99.250	98.170	89.843%	92.217%
3	22:31:31	88.624%	98.770	100.000	98.300	96.110	97.870	92.751%	93.332%
x		85.969%	99.189%	99.443%	99.394%	97.964%	98.044%	89.889%	91.283%
σ		2.599%	n/a	n/a	n/a	n/a	n/a	2.841%	2.643%
%RSD		3.023	0.791	0.585	1.320	1.679	0.157	3.160	2.896

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:30:07	98.090	97.360	97.800	97.580	97.470	87.137%
2	22:30:49	98.020	97.920	99.510	97.390	98.490	90.501%
3	22:31:31	99.320	98.760	98.870	99.380	99.070	91.855%
x		98.477%	98.014%	98.728%	98.116%	98.343%	89.831%
σ		n/a	n/a	n/a	n/a	n/a	2.429%
%RSD		0.742	0.720	0.878	1.124	0.823	2.704

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:37:15	85.953%	-0.031	2.300	2.996	0.000	-22.080	20.160	20.320
2	22:37:57	85.306%	-0.031	1.936	2.970	0.000	34.410	53.090	47.450
3	22:38:38	86.766%	0.040	4.687	3.392	0.000	7.979	43.450	40.490
x		86.009%	-0.007	2.974	3.119	0.000	6.770	38.900	36.090
σ		0.732%	0.041	1.495	0.236	0.000	28.260	16.930	14.090
%RSD		0.851	557.900	50.250	7.577	0.000	417.500	43.530	39.040

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:37:15	-1.665	4.548	0.000	21.600	23.190	46.340	86.041%	0.215
2	22:37:57	1.963	7.640	0.000	46.050	143.100	108.300	86.293%	0.394
3	22:38:38	0.726	5.406	0.000	31.390	81.300	88.630	85.368%	0.217
x		0.341	5.865	0.000	33.010	82.530	81.110	85.901%	0.275
σ		1.844	1.596	0.000	12.310	59.970	31.680	0.478%	0.103
%RSD		540.500	27.220	0.000	37.270	72.670	39.060	0.557	37.440

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:37:15	0.088	0.016	0.342	30.540	38.240	0.032	0.129	0.152
2	22:37:57	0.145	0.073	0.825	39.750	52.440	0.093	0.187	0.208
3	22:38:38	0.088	0.088	0.709	34.270	42.390	0.102	0.089	0.214
x		0.107	0.059	0.625	34.850	44.360	0.075	0.135	0.191
σ		0.033	0.038	0.252	4.630	7.300	0.038	0.049	0.034
%RSD		30.810	64.660	40.350	13.290	16.460	50.030	36.370	17.630

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:37:15	0.237	0.390	0.410	0.138	0.705	0.950	0.000	0.514
2	22:37:57	0.133	0.541	0.809	-0.020	-0.929	0.004	0.000	1.131
3	22:38:38	0.300	0.777	0.423	-0.128	-1.473	-1.265	0.000	0.833
x		0.223	0.569	0.547	-0.004	-0.566	-0.104	0.000	0.826
σ		0.084	0.195	0.227	0.133	1.134	1.111	0.000	0.309
%RSD		37.620	34.210	41.420	3793.000	200.500	1073.000	0.000	37.380

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:37:15	85.064%	0.210	0.366	86.085%	0.016	0.046	0.092	-0.004
2	22:37:57	85.895%	0.391	0.420	87.026%	0.051	0.065	0.216	0.108
3	22:38:38	85.104%	0.419	0.315	87.108%	0.042	0.045	0.102	0.021
x		85.355%	0.340	0.367	86.740%	0.036	0.052	0.137	0.042
σ		0.469%	0.114	0.052	0.568%	0.018	0.011	0.069	0.059
%RSD		0.549	33.450	14.230	0.655	50.210	20.920	50.120	142.200

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:37:15	85.320%	1.319	0.216	0.274	0.295	0.147	86.170%	87.538%
2	22:37:57	86.511%	1.426	0.266	0.226	0.569	0.668	87.498%	88.182%
3	22:38:38	87.062%	1.290	0.201	0.211	0.562	0.439	88.602%	88.548%
x		86.298%	1.345	0.228	0.237	0.475	0.418	87.423%	88.089%
σ		0.891%	0.072	0.034	0.033	0.156	0.261	1.218%	0.511%
%RSD		1.032	5.339	15.030	13.890	32.840	62.430	1.393	0.580

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:37:15	0.048	0.056	0.052	0.087	0.063	89.583%
2	22:37:57	0.075	0.102	0.065	0.090	0.085	90.393%
3	22:38:38	0.064	0.059	0.061	0.078	0.068	90.474%
x		0.062	0.072	0.059	0.085	0.072	90.150%
σ		0.014	0.026	0.007	0.006	0.012	0.493%
%RSD		21.810	35.460	11.160	7.120	16.070	0.547

180-17219-A-10-A 12/29/2012 10:40:52 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:41:33	78.977%	0.008	108.500	110.600	0.000	68940.000	10590.000	10570.000
2	22:42:15	80.452%	0.007	113.000	108.400	0.000	67960.000	10500.000	10520.000
3	22:42:56	81.386%	-0.031	107.600	110.700	0.000	67420.000	10430.000	10510.000
x		80.271%	-0.005	109.700	109.900	0.000	68110.000	10500.000	10530.000
σ		1.215%	0.022	2.914	1.283	0.000	774.300	79.500	35.100
%RSD		1.513	423.500	2.656	1.167	0.000	1.137	0.757	0.333

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:41:33	258.800	9569.000	0.000	10950.000	74130.000	74550.000	78.608%	13.190
2	22:42:15	258.800	9579.000	0.000	10820.000	74650.000	74590.000	79.362%	14.690
3	22:42:56	264.100	9484.000	0.000	10750.000	70360.000	74490.000	79.840%	12.190
x		260.600	9544.000	0.000	10840.000	73050.000	74540.000	79.270%	13.360
σ		3.064	51.870	0.000	101.500	2342.000	51.080	0.621%	1.258
%RSD		1.176	0.543	0.000	0.936	3.206	0.069	0.783	9.414

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:41:33	3.651	2.128	155.500	820.900	1098.000	0.587	1.543	10.000
2	22:42:15	3.720	1.903	156.300	822.900	1113.000	0.472	1.187	9.947
3	22:42:56	3.717	2.069	156.900	818.000	1090.000	0.561	1.532	10.310
x		3.696	2.033	156.200	820.600	1100.000	0.540	1.421	10.090
σ		0.039	0.116	0.713	2.497	11.440	0.060	0.202	0.195
%RSD		1.065	5.721	0.456	0.304	1.040	11.140	14.240	1.934

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:41:33	9.823	39.080	38.400	2.740	-0.517	0.910	0.000	466.500
2	22:42:15	9.770	40.490	40.160	3.139	-0.577	1.909	0.000	469.200
3	22:42:56	10.490	39.930	39.570	3.084	-1.101	-0.547	0.000	469.300
x		10.030	39.830	39.380	2.987	-0.732	0.757	0.000	468.300
σ		0.401	0.714	0.894	0.216	0.322	1.236	0.000	1.591
%RSD		3.995	1.791	2.271	7.239	43.960	163.100	0.000	0.340

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:41:33	78.975%	2.803	2.719	76.962%	0.008	-0.002	0.199	0.052
2	22:42:15	80.503%	2.999	2.652	78.498%	-0.002	-0.002	0.028	0.035
3	22:42:56	81.624%	2.934	2.688	79.166%	0.003	-0.002	0.003	-0.044
x		80.367%	2.912	2.686	78.209%	0.003	-0.002	0.077	0.015
σ		1.330%	0.100	0.033	1.130%	0.005	0.000	0.107	0.051
%RSD		1.654	3.433	1.243	1.445	152.800	5.609	139.100	351.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:41:33	79.465%	1.891	1.079	1.131	56.920	59.170	84.357%	85.087%
2	22:42:15	81.522%	2.088	1.102	1.068	58.640	60.500	86.739%	87.332%
3	22:42:56	83.291%	1.790	1.128	1.004	58.000	58.520	86.351%	88.885%
x		81.426%	1.923	1.103	1.067	57.850	59.400	85.816%	87.101%
σ		1.915%	0.152	0.024	0.064	0.870	1.007	1.278%	1.909%
%RSD		2.352	7.884	2.219	5.952	1.504	1.696	1.489	2.192

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:41:33	0.010	0.017	2.132	2.040	2.114	87.042%
2	22:42:15	0.010	0.012	2.199	2.231	2.183	87.755%
3	22:42:56	0.012	0.017	2.187	2.290	2.164	88.295%
x		0.011	0.015	2.173	2.187	2.154	87.698%
σ		0.001	0.003	0.036	0.131	0.035	0.628%
%RSD		13.380	17.640	1.639	5.973	1.647	0.717

180-17219-A-11-A 12/29/2012 10:45:08 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:49	84.522%	-0.031	82.970	90.000	0.000	53710.000	22140.000	22270.000
2	22:46:31	85.132%	-0.031	89.990	90.570	0.000	53900.000	22480.000	22510.000
3	22:47:12	85.908%	-0.031	85.750	87.200	0.000	53620.000	22550.000	22550.000
x		85.187%	-0.031	86.240	89.260	0.000	53740.000	22390.000	22440.000
σ		0.695%	0.000	3.539	1.804	0.000	139.500	218.400	155.300
%RSD		0.816	0.000	4.104	2.021	0.000	0.260	0.976	0.692

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:49	2.395	6257.000	0.000	3290.000	75340.000	74530.000	85.188%	3.206
2	22:46:31	2.473	6301.000	0.000	3316.000	75530.000	75030.000	86.885%	2.482
3	22:47:12	2.077	6340.000	0.000	3342.000	75620.000	75170.000	87.373%	2.705
x		2.315	6299.000	0.000	3316.000	75500.000	74910.000	86.482%	2.798
σ		0.210	41.610	0.000	26.400	146.600	338.200	1.147%	0.371
%RSD		9.071	0.661	0.000	0.796	0.194	0.451	1.326	13.250

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:49	0.981	0.230	762.700	89660.000	89240.000	0.241	1.322	0.630
2	22:46:31	0.828	0.228	765.100	88320.000	89950.000	0.196	1.175	0.622
3	22:47:12	0.918	0.202	768.500	88530.000	90650.000	0.229	1.162	0.721
x		0.909	0.220	765.400	88840.000	89950.000	0.222	1.220	0.658
σ		0.077	0.016	2.946	721.100	704.400	0.023	0.089	0.055
%RSD		8.472	7.200	0.385	0.812	0.783	10.310	7.305	8.348

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:49	0.730	7.843	8.034	13.250	-0.647	-0.517	0.000	394.200
2	22:46:31	0.525	8.235	9.323	12.860	-1.316	0.437	0.000	393.500
3	22:47:12	0.500	8.420	8.486	13.830	1.561	0.504	0.000	398.800
x		0.585	8.166	8.614	13.310	-0.134	0.141	0.000	395.500
σ		0.126	0.294	0.654	0.488	1.505	0.571	0.000	2.903
%RSD		21.620	3.606	7.593	3.662	1124.000	403.800	0.000	0.734

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:49	84.480%	0.131	0.251	82.671%	0.007	0.018	0.072	0.017
2	22:46:31	87.546%	0.003	0.154	86.159%	0.002	-0.007	0.005	0.037
3	22:47:12	88.199%	-0.024	0.053	86.884%	-0.002	0.002	-0.049	-0.107
x		86.742%	0.037	0.153	85.238%	0.003	0.004	0.009	-0.017
σ		1.986%	0.083	0.099	2.252%	0.005	0.013	0.061	0.078
%RSD		2.289	224.500	64.920	2.642	183.900	281.100	666.000	447.300

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:49	84.905%	2.809	0.355	0.357	123.600	123.200	88.608%	90.103%
2	22:46:31	87.209%	3.204	0.413	0.278	122.500	125.400	91.367%	92.888%
3	22:47:12	89.025%	3.203	0.370	0.332	123.000	123.800	93.749%	93.855%
x		87.046%	3.072	0.379	0.322	123.000	124.100	91.241%	92.282%
σ		2.065%	0.228	0.030	0.040	0.533	1.145	2.573%	1.948%
%RSD		2.372	7.417	7.858	12.520	0.434	0.922	2.820	2.111

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:49	0.009	-0.003	0.420	0.439	0.433	90.291%
2	22:46:31	0.005	0.009	0.378	0.430	0.427	92.782%
3	22:47:12	-0.003	0.006	0.442	0.387	0.427	93.109%
x		0.004	0.004	0.413	0.419	0.429	92.061%
σ		0.006	0.007	0.032	0.027	0.003	1.542%
%RSD		167.400	159.300	7.849	6.568	0.762	1.675

180-17219-A-13-A 12/29/2012 10:49:23 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:50:05	90.229%	-0.031	1.895	3.114	0.000	-55.490	-0.114	0.727
2	22:50:47	91.357%	-0.031	3.301	2.263	0.000	-56.250	-0.429	-0.095
3	22:51:28	92.725%	-0.031	3.715	2.452	0.000	-49.410	0.517	0.894
x		91.437%	-0.031	2.970	2.610	0.000	-53.710	-0.009	0.509
σ		1.250%	0.000	0.954	0.447	0.000	3.751	0.482	0.529
%RSD		1.367	0.000	32.120	17.130	0.000	6.983	5534.000	104.000

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:50:05	-4.480	17.980	0.000	-0.427	6.875	10.660	91.567%	0.083
2	22:50:47	-4.377	16.540	0.000	-1.180	16.460	11.270	92.724%	-0.031
3	22:51:28	-4.508	15.080	0.000	2.286	30.830	12.590	93.243%	0.080
x		-4.455	16.530	0.000	0.226	18.060	11.500	92.511%	0.044
σ		0.069	1.452	0.000	1.823	12.060	0.987	0.858%	0.065
%RSD		1.554	8.785	0.000	806.000	66.770	8.580	0.927	148.700

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:50:05	-0.062	-0.149	0.036	108.500	130.300	-0.018	0.043	0.272
2	22:50:47	-0.068	-0.199	0.016	42.400	58.430	-0.026	0.078	0.253
3	22:51:28	-0.051	-0.096	0.059	26.290	30.870	-0.005	0.096	0.222
x		-0.060	-0.148	0.037	59.060	73.210	-0.016	0.072	0.249
σ		0.008	0.052	0.022	43.560	51.350	0.011	0.027	0.025
%RSD		13.670	34.860	59.340	73.750	70.140	65.260	37.390	10.140

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:50:05	0.485	3.371	3.926	-0.313	-1.126	-1.365	0.000	0.017
2	22:50:47	0.455	3.702	4.150	-0.181	-0.864	-0.663	0.000	0.020
3	22:51:28	0.320	4.164	3.648	-0.209	-1.098	-0.257	0.000	0.044
x		0.420	3.746	3.908	-0.234	-1.029	-0.762	0.000	0.027
σ		0.088	0.399	0.252	0.070	0.144	0.561	0.000	0.015
%RSD		20.870	10.640	6.434	29.700	13.960	73.610	0.000	56.330

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:50:05	91.690%	-0.225	-0.103	93.565%	-0.002	-0.002	-0.028	-0.101
2	22:50:47	93.520%	-0.204	-0.127	94.856%	0.002	0.011	-0.009	-0.070
3	22:51:28	94.315%	-0.182	-0.121	95.552%	0.014	0.002	0.028	-0.028
x		93.175%	-0.204	-0.117	94.658%	0.004	0.003	-0.003	-0.066
σ		1.346%	0.021	0.013	1.008%	0.008	0.007	0.028	0.037
%RSD		1.444	10.560	10.770	1.065	192.400	203.600	1049.000	55.190

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:50:05	92.144%	0.802	0.143	0.115	-0.070	-0.009	93.505%	93.876%
2	22:50:47	93.981%	0.265	0.140	0.095	-0.047	0.018	94.457%	95.132%
3	22:51:28	95.757%	0.438	0.128	0.099	-0.025	0.044	95.551%	95.890%
x		93.961%	0.502	0.137	0.103	-0.047	0.017	94.504%	94.966%
σ		1.807%	0.274	0.008	0.011	0.022	0.026	1.024%	1.017%
%RSD		1.923	54.630	5.687	10.410	47.450	152.200	1.083	1.071

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:50:05	0.007	0.000	0.006	0.011	0.015	95.195%
2	22:50:47	-0.001	-0.006	-0.007	0.004	0.005	96.376%
3	22:51:28	-0.006	0.007	0.011	0.007	0.010	97.104%
x		-0.000	0.000	0.003	0.007	0.010	96.225%
σ		0.007	0.007	0.010	0.004	0.005	0.963%
%RSD		9076.000	1722.000	298.500	53.030	48.860	1.001

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:22	92.140%	-0.031	1.600	2.242	0.000	78.480	9.583	9.609
2	22:55:04	91.851%	-0.031	1.607	1.921	0.000	79.320	10.220	8.653
3	22:55:46	92.356%	-0.031	2.786	2.072	0.000	80.430	7.688	9.455
x		92.116%	-0.031	1.998	2.078	0.000	79.410	9.164	9.239
σ		0.254%	0.000	0.683	0.161	0.000	0.980	1.318	0.513
%RSD		0.275	0.000	34.180	7.723	0.000	1.234	14.380	5.554

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:22	-0.787	17.440	0.000	32.970	241.200	213.900	92.147%	0.307
2	22:55:04	-0.160	19.340	0.000	32.880	148.200	205.600	92.325%	0.532
3	22:55:46	-0.729	18.150	0.000	33.980	236.600	213.100	91.993%	0.139
x		-0.559	18.310	0.000	33.280	208.700	210.800	92.155%	0.326
σ		0.346	0.959	0.000	0.612	52.450	4.588	0.166%	0.197
%RSD		62.010	5.238	0.000	1.839	25.140	2.176	0.180	60.520

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:22	0.037	0.215	0.429	30.970	38.310	-0.004	0.640	0.727
2	22:55:04	-0.024	0.174	0.402	25.630	34.780	0.003	0.716	1.164
3	22:55:46	-0.088	0.169	0.425	23.350	30.180	-0.008	0.905	0.675
x		-0.025	0.186	0.419	26.650	34.420	-0.003	0.754	0.856
σ		0.063	0.025	0.014	3.908	4.077	0.005	0.136	0.269
%RSD		249.300	13.630	3.451	14.670	11.850	179.700	18.090	31.410

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:22	0.881	6.764	5.910	-0.184	-0.902	-0.796	0.000	0.325
2	22:55:04	0.843	6.493	6.003	0.048	-1.542	0.267	0.000	0.297
3	22:55:46	1.072	6.887	6.479	-0.205	1.044	-0.447	0.000	0.386
x		0.932	6.715	6.131	-0.114	-0.467	-0.325	0.000	0.336
σ		0.123	0.201	0.305	0.140	1.347	0.542	0.000	0.045
%RSD		13.200	2.998	4.972	123.500	288.600	166.700	0.000	13.520

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:22	91.113%	-0.083	-0.093	91.873%	-0.002	-0.002	0.159	0.060
2	22:55:04	90.875%	0.104	-0.043	92.462%	-0.006	0.007	0.013	-0.002
3	22:55:46	90.810%	-0.130	-0.129	92.627%	0.002	-0.007	0.150	0.082
x		90.933%	-0.036	-0.088	92.321%	-0.002	-0.001	0.107	0.047
σ		0.159%	0.124	0.043	0.397%	0.004	0.007	0.082	0.044
%RSD		0.175	341.900	48.850	0.430	181.900	740.000	76.110	93.550

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:22	91.080%	1.328	0.113	0.111	0.174	0.249	91.115%	92.000%
2	22:55:04	91.505%	1.555	0.130	0.105	0.172	0.119	91.918%	92.856%
3	22:55:46	91.509%	1.290	0.139	0.086	0.026	0.104	93.615%	92.779%
x		91.365%	1.391	0.127	0.101	0.124	0.157	92.216%	92.545%
σ		0.247%	0.143	0.014	0.013	0.085	0.080	1.276%	0.473%
%RSD		0.270	10.310	10.680	12.870	68.360	50.800	1.384	0.512

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:22	0.002	0.001	0.042	0.093	0.085	93.914%
2	22:55:04	-0.003	0.000	0.077	0.070	0.094	94.501%
3	22:55:46	-0.014	-0.003	0.081	0.056	0.079	93.623%
x		-0.005	-0.001	0.067	0.073	0.086	94.013%
σ		0.008	0.002	0.022	0.019	0.008	0.447%
%RSD		164.700	316.800	32.340	25.350	8.926	0.475

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:02:13	88.555%	-0.031	0.733	0.959	0.000	-59.920	-2.576	-1.941
2	23:02:54	89.436%	-0.031	0.846	0.652	0.000	-56.620	-2.189	-1.839
3	23:03:36	89.057%	-0.031	1.733	1.501	0.000	-52.330	-0.316	0.579
x		89.016%	-0.031	1.104	1.037	0.000	-56.290	-1.694	-1.067
σ		0.442%	0.000	0.548	0.430	0.000	3.805	1.209	1.426
%RSD		0.496	0.000	49.620	41.420	0.000	6.759	71.390	133.600
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:02:13	-4.967	5.901	0.000	24.430	-2.960	-3.463	79.495%	-0.022
2	23:02:54	-5.030	2.611	0.000	24.630	-2.960	-1.969	78.249%	-0.021
3	23:03:36	-4.524	4.617	0.000	24.740	8.600	3.723	77.314%	-0.087
x		-4.840	4.376	0.000	24.600	0.893	-0.570	78.353%	-0.043
σ		0.276	1.658	0.000	0.157	6.674	3.792	1.094%	0.038
%RSD		5.698	37.890	0.000	0.638	747.200	665.800	1.396	87.480
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:02:13	-0.278	0.038	-0.052	3.473	6.571	-0.008	0.121	0.285
2	23:02:54	-0.098	0.039	-0.051	2.331	6.074	-0.020	0.080	0.222
3	23:03:36	-0.880	0.006	0.018	4.249	8.779	-0.007	0.082	0.110
x		-0.419	0.028	-0.029	3.351	7.141	-0.012	0.094	0.205
σ		0.410	0.019	0.040	0.965	1.440	0.007	0.023	0.089
%RSD		97.840	66.600	140.700	28.800	20.160	60.190	24.710	43.230
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:02:13	0.382	0.091	-0.012	0.381	-0.457	-0.458	0.000	-0.048
2	23:02:54	0.129	0.052	0.135	-0.029	-1.637	-0.309	0.000	-0.045
3	23:03:36	0.444	-0.091	-0.071	-0.605	-0.489	0.277	0.000	0.044
x		0.318	0.018	0.017	-0.084	-0.861	-0.164	0.000	-0.016
σ		0.167	0.096	0.106	0.495	0.672	0.388	0.000	0.052
%RSD		52.350	546.300	617.600	587.600	78.090	237.300	0.000	323.200
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:02:13	80.531%	-0.251	-0.178	80.724%	-0.006	-0.007	0.107	0.012
2	23:02:54	79.183%	-0.210	-0.177	80.507%	-0.002	0.008	-0.178	-0.197
3	23:03:36	78.602%	-0.128	-0.143	79.508%	-0.002	0.003	-0.090	-0.018
x		79.438%	-0.196	-0.166	80.246%	-0.003	0.002	-0.054	-0.068
σ		0.990%	0.063	0.020	0.649%	0.003	0.008	0.146	0.113
%RSD		1.246	32.090	12.150	0.808	83.950	488.300	271.800	166.500
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:02:13	81.352%	5.481	0.066	0.081	-0.064	-0.034	84.814%	85.368%
2	23:02:54	81.769%	4.233	0.086	0.034	-0.037	-0.050	83.621%	84.896%
3	23:03:36	81.255%	4.425	0.092	0.074	0.097	-0.002	83.673%	84.836%
x		81.459%	4.713	0.081	0.063	-0.001	-0.029	84.036%	85.033%
σ		0.273%	0.672	0.014	0.025	0.086	0.024	0.675%	0.292%
%RSD		0.335	14.260	17.000	40.330	7183.000	84.690	0.803	0.343
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:02:13	-0.008	-0.008	0.008	-0.017	-0.000	89.708%		
2	23:02:54	0.007	0.002	-0.009	-0.001	-0.001	87.362%		
3	23:03:36	-0.004	-0.001	-0.005	0.019	0.000	86.619%		
x		-0.002	-0.002	-0.002	-0.000	-0.000	87.896%		
σ		0.008	0.005	0.009	0.018	0.001	1.613%		
%RSD		436.000	211.600	410.500	120000.000	240.800	1.835		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:06:31	93.104%	51.460	1009.000	958.100	0.000	44830.000	38610.000	39060.000
2	23:07:13	96.731%	49.570	1012.000	964.000	0.000	43940.000	38850.000	39000.000
3	23:07:54	97.636%	51.400	1007.000	963.000	0.000	43850.000	38900.000	39070.000
x		95.824%	50.810	1010.000	961.700	0.000	44210.000	38790.000	39040.000
σ		2.398%	1.074	2.564	3.172	0.000	545.300	154.700	36.800
%RSD		2.503	2.114	0.254	0.330	0.000	1.234	0.399	0.094

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:06:31	1742.000	8821.000	0.000	47030.000	46630.000	46270.000	71.885%	951.200
2	23:07:13	1735.000	8791.000	0.000	46310.000	47190.000	46430.000	73.604%	944.400
3	23:07:54	1738.000	8792.000	0.000	46000.000	46870.000	46430.000	74.444%	940.300
x		1738.000	8801.000	0.000	46440.000	46900.000	46380.000	73.311%	945.300
σ		3.199	17.050	0.000	528.700	282.300	88.550	1.305%	5.490
%RSD		0.184	0.194	0.000	1.138	0.602	0.191	1.780	0.581

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:06:31	477.900	197.800	477.900	818.200	1077.000	480.200	478.300	236.700
2	23:07:13	475.000	198.100	481.800	814.400	1063.000	482.900	472.000	239.500
3	23:07:54	473.400	197.000	481.800	816.400	1081.000	482.800	482.300	237.700
x		475.400	197.600	480.500	816.300	1074.000	482.000	477.500	238.000
σ		2.308	0.586	2.242	1.927	9.368	1.515	5.195	1.415
%RSD		0.485	0.297	0.467	0.236	0.873	0.314	1.088	0.595

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:06:31	232.700	481.200	496.100	35.430	11.630	7.704	0.000	945.600
2	23:07:13	238.600	486.900	489.100	37.550	8.502	9.950	0.000	950.500
3	23:07:54	239.800	493.900	491.600	35.550	7.351	7.180	0.000	958.600
x		237.000	487.300	492.300	36.180	9.162	8.278	0.000	951.600
σ		3.788	6.362	3.556	1.191	2.216	1.471	0.000	6.549
%RSD		1.598	1.306	0.723	3.293	24.180	17.770	0.000	0.688

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:06:31	72.262%	987.800	997.600	70.232%	48.970	48.670	49.200	41.650
2	23:07:13	74.856%	990.800	999.200	73.241%	49.280	47.440	51.070	40.420
3	23:07:54	75.432%	997.900	1004.000	74.519%	49.170	47.280	49.030	40.560
x		74.183%	992.200	1000.000	72.664%	49.140	47.800	49.770	40.880
σ		1.688%	5.177	3.186	2.201%	0.157	0.762	1.133	0.673
%RSD		2.276	0.522	0.319	3.029	0.318	1.594	2.276	1.646

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:06:31	74.037%	1952.000	484.000	481.600	1905.000	1892.000	80.512%	81.779%
2	23:07:13	77.125%	1963.000	487.900	482.600	1901.000	1903.000	83.837%	85.628%
3	23:07:54	79.687%	1921.000	482.700	484.600	1895.000	1876.000	85.797%	86.995%
x		76.950%	1946.000	484.900	483.000	1900.000	1890.000	83.382%	84.801%
σ		2.829%	21.670	2.669	1.533	5.230	13.240	2.672%	2.704%
%RSD		3.677	1.114	0.550	0.317	0.275	0.701	3.205	3.189

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:06:31	48.140	47.950	20.380	20.180	20.330	79.853%
2	23:07:13	48.640	48.610	20.260	19.670	20.180	83.646%
3	23:07:54	49.510	48.320	20.210	20.420	20.080	86.288%
x		48.760	48.290	20.280	20.090	20.190	83.262%
σ		0.691	0.329	0.085	0.384	0.127	3.235%
%RSD		1.417	0.681	0.417	1.910	0.628	3.885

180-17219-A-15-A 12/29/2012 11:10:07 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:10:49	100.670%	-0.031	92.100	85.770	0.000	103500.000	34270.000	34650.000
2	23:11:31	104.042%	-0.001	86.760	88.360	0.000	102400.000	34510.000	34840.000
3	23:12:12	107.332%	-0.031	95.710	86.290	0.000	101600.000	34410.000	34550.000
x		104.014%	-0.021	91.520	86.810	0.000	102500.000	34390.000	34680.000
σ		3.331%	0.017	4.502	1.371	0.000	974.500	119.300	145.300
%RSD		3.202	83.750	4.919	1.579	0.000	0.951	0.347	0.419

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:10:49	-1.952	6234.000	0.000	10220.000	124200.000	124600.000	76.795%	2.009
2	23:11:31	-2.783	6261.000	0.000	10200.000	125400.000	126000.000	78.050%	1.775
3	23:12:12	-3.261	6242.000	0.000	10140.000	132000.000	126100.000	78.677%	1.959
x		-2.665	6246.000	0.000	10190.000	127200.000	125600.000	77.841%	1.914
σ		0.663	13.510	0.000	43.300	4181.000	859.900	0.959%	0.123
%RSD		24.860	0.216	0.000	0.425	3.286	0.685	1.232	6.446

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:10:49	-9.172	2.149	71.920	886.700	1253.000	0.423	1.238	2.011
2	23:11:31	-9.851	2.303	73.050	895.700	1247.000	0.356	1.400	1.714
3	23:12:12	-11.550	2.457	72.650	894.800	1240.000	0.370	1.627	1.874
x		-10.190	2.303	72.540	892.400	1247.000	0.383	1.422	1.866
σ		1.224	0.154	0.574	4.963	6.517	0.036	0.196	0.148
%RSD		12.010	6.698	0.792	0.556	0.523	9.307	13.760	7.949

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:10:49	2.188	10.900	12.250	-1.456	9.166	7.980	0.000	437.100
2	23:11:31	2.552	10.990	11.790	0.604	6.581	7.114	0.000	437.800
3	23:12:12	2.014	12.380	11.860	2.049	5.691	6.610	0.000	436.800
x		2.251	11.420	11.970	0.399	7.146	7.235	0.000	437.200
σ		0.275	0.829	0.245	1.762	1.805	0.693	0.000	0.502
%RSD		12.200	7.258	2.050	441.600	25.260	9.576	0.000	0.115

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:10:49	76.690%	3.599	3.295	73.688%	0.004	-0.002	-0.113	-0.218
2	23:11:31	78.999%	1.991	2.250	75.939%	-0.002	0.004	-0.009	-0.191
3	23:12:12	78.990%	1.544	1.246	76.377%	0.003	0.009	-0.114	-0.166
x		78.226%	2.378	2.264	75.334%	0.002	0.004	-0.079	-0.191
σ		1.331%	1.081	1.024	1.443%	0.003	0.005	0.060	0.026
%RSD		1.701	45.460	45.250	1.915	158.800	142.800	76.270	13.640

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:10:49	78.994%	16.360	0.344	0.342	10.030	11.100	86.131%	86.416%
2	23:11:31	82.383%	12.520	0.294	0.223	10.530	10.300	87.983%	89.494%
3	23:12:12	82.099%	10.600	0.233	0.210	9.727	10.570	88.328%	90.159%
x		81.159%	13.160	0.290	0.259	10.100	10.660	87.481%	88.690%
σ		1.880%	2.932	0.055	0.073	0.407	0.404	1.181%	1.997%
%RSD		2.317	22.280	19.060	28.100	4.029	3.794	1.350	2.251

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:10:49	0.375	0.441	0.070	0.105	0.084	81.970%
2	23:11:31	0.289	0.260	0.097	0.047	0.087	86.487%
3	23:12:12	0.203	0.216	0.073	0.059	0.084	86.067%
x		0.289	0.305	0.080	0.070	0.085	84.841%
σ		0.086	0.119	0.015	0.031	0.002	2.496%
%RSD		29.680	39.040	18.510	43.930	2.192	2.942

180-17219-A-16-A 12/29/2012 11:14:26 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:15:07	88.659%	0.004	46.630	47.510	0.000	62500.000	35930.000	36160.000
2	23:15:49	89.125%	-0.031	47.910	48.810	0.000	62060.000	36070.000	36110.000
3	23:16:31	88.700%	-0.031	47.750	50.270	0.000	61600.000	35920.000	36070.000
x		88.828%	-0.019	47.430	48.860	0.000	62050.000	35980.000	36110.000
σ		0.258%	0.020	0.694	1.384	0.000	452.700	83.920	41.110
%RSD		0.291	106.800	1.464	2.832	0.000	0.730	0.233	0.114

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:15:07	4.161	9331.000	0.000	1542.000	39600.000	38840.000	68.573%	2.183
2	23:15:49	3.786	9315.000	0.000	1537.000	40220.000	38950.000	68.962%	2.696
3	23:16:31	3.788	9273.000	0.000	1535.000	39770.000	39020.000	68.729%	1.724
x		3.912	9306.000	0.000	1538.000	39860.000	38940.000	68.755%	2.201
σ		0.216	30.100	0.000	3.545	319.800	95.640	0.196%	0.486
%RSD		5.518	0.323	0.000	0.230	0.802	0.246	0.284	22.090

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:15:07	-4.085	0.734	432.900	24610.000	24750.000	0.827	0.807	1.786
2	23:15:49	-5.107	0.798	435.400	24360.000	24730.000	0.762	0.370	2.204
3	23:16:31	-5.965	0.692	432.200	24190.000	24700.000	0.722	0.451	2.221
x		-5.053	0.741	433.500	24380.000	24730.000	0.770	0.543	2.070
σ		0.941	0.054	1.663	211.900	22.070	0.053	0.233	0.246
%RSD		18.630	7.217	0.384	0.869	0.089	6.934	42.880	11.900

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:15:07	1.616	6.586	6.586	4.193	-1.146	0.359	0.000	301.700
2	23:15:49	1.518	5.863	6.428	1.019	-0.083	-0.891	0.000	299.400
3	23:16:31	1.720	6.206	5.600	3.200	-0.636	-0.477	0.000	301.500
x		1.618	6.218	6.205	2.804	-0.622	-0.336	0.000	300.800
σ		0.101	0.362	0.529	1.623	0.532	0.636	0.000	1.265
%RSD		6.243	5.813	8.533	57.900	85.550	189.300	0.000	0.421

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:15:07	69.427%	1.839	1.982	68.904%	0.010	-0.001	0.045	-0.139
2	23:15:49	70.898%	1.843	2.098	70.120%	0.004	-0.001	0.028	-0.072
3	23:16:31	70.871%	1.918	1.630	70.197%	0.010	-0.007	0.023	-0.061
x		70.399%	1.866	1.903	69.740%	0.008	-0.003	0.032	-0.090
σ		0.842%	0.045	0.244	0.725%	0.003	0.003	0.011	0.042
%RSD		1.196	2.401	12.800	1.040	39.940	108.500	35.680	46.570

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:15:07	73.013%	9.741	0.253	0.189	589.200	581.900	78.963%	80.487%
2	23:15:49	74.333%	8.705	0.152	0.134	591.600	581.800	81.543%	82.678%
3	23:16:31	75.049%	8.440	0.173	0.161	593.500	581.900	81.283%	83.346%
x		74.132%	8.962	0.193	0.161	591.400	581.900	80.597%	82.170%
σ		1.033%	0.687	0.053	0.028	2.201	0.051	1.420%	1.495%
%RSD		1.393	7.668	27.690	17.090	0.372	0.009	1.762	1.820

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:15:07	0.175	0.123	0.164	0.168	0.164	78.599%
2	23:15:49	0.117	0.090	0.170	0.155	0.159	80.759%
3	23:16:31	0.085	0.067	0.149	0.102	0.159	81.798%
x		0.126	0.093	0.161	0.142	0.161	80.385%
σ		0.046	0.028	0.011	0.035	0.003	1.632%
%RSD		36.270	30.330	6.732	24.890	1.695	2.031

180-17219-A-17-A 12/29/2012 11:18:42 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:19:24	92.829%	0.070	81.130	82.390	0.000	40510.000	16300.000	16370.000
2	23:20:06	96.133%	0.067	89.930	83.210	0.000	40380.000	16450.000	16510.000
3	23:20:47	97.209%	0.066	89.090	82.100	0.000	40690.000	16610.000	16640.000
x		95.390%	0.067	86.720	82.570	0.000	40530.000	16450.000	16510.000
σ		2.282%	0.002	4.858	0.574	0.000	156.700	154.000	136.200
%RSD		2.393	3.374	5.602	0.695	0.000	0.387	0.936	0.825

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:19:24	43.940	5063.000	0.000	3976.000	44400.000	43100.000	70.847%	1.303
2	23:20:06	44.860	5076.000	0.000	4028.000	44710.000	43660.000	72.304%	1.633
3	23:20:47	45.150	5117.000	0.000	4038.000	44840.000	43650.000	72.807%	1.763
x		44.650	5085.000	0.000	4014.000	44650.000	43470.000	71.986%	1.567
σ		0.630	28.070	0.000	33.340	227.700	321.800	1.018%	0.237
%RSD		1.411	0.552	0.000	0.831	0.510	0.740	1.414	15.150

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:19:24	-5.891	2.650	16.940	73.340	142.400	0.624	3.878	2.016
2	23:20:06	-4.529	2.990	17.640	65.990	137.900	0.579	2.944	2.162
3	23:20:47	-7.517	3.043	17.930	64.180	137.700	0.551	3.423	2.272
x		-5.979	2.894	17.500	67.840	139.300	0.585	3.415	2.150
σ		1.495	0.214	0.511	4.847	2.650	0.036	0.467	0.128
%RSD		25.010	7.382	2.918	7.145	1.902	6.216	13.680	5.964

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:19:24	1.914	20.540	22.000	-1.097	-0.365	-0.247	0.000	202.800
2	23:20:06	2.105	21.430	23.070	0.468	0.878	0.654	0.000	206.400
3	23:20:47	1.593	20.450	21.460	-0.529	-1.393	-1.154	0.000	204.300
x		1.871	20.800	22.180	-0.386	-0.294	-0.249	0.000	204.500
σ		0.259	0.543	0.819	0.793	1.137	0.904	0.000	1.815
%RSD		13.850	2.608	3.692	205.200	387.400	363.300	0.000	0.887

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:19:24	73.872%	0.155	0.018	71.216%	-0.001	-0.007	0.127	0.052
2	23:20:06	75.285%	-0.129	0.039	72.538%	-0.001	-0.001	0.088	0.091
3	23:20:47	76.421%	0.011	-0.063	73.512%	-0.001	0.004	-0.166	-0.071
x		75.193%	0.012	-0.002	72.422%	-0.001	-0.001	0.016	0.024
σ		1.277%	0.142	0.054	1.153%	0.000	0.005	0.159	0.085
%RSD		1.698	1183.000	3033.000	1.592	7.291	368.900	972.000	355.500

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:19:24	75.592%	5.024	0.050	0.088	78.080	76.030	82.290%	82.510%
2	23:20:06	77.803%	5.821	0.166	0.141	76.470	76.850	83.689%	85.430%
3	23:20:47	78.925%	4.781	0.127	0.097	79.370	78.020	84.677%	86.179%
x		77.440%	5.209	0.114	0.109	77.970	76.970	83.552%	84.706%
σ		1.696%	0.544	0.059	0.028	1.455	1.000	1.199%	1.939%
%RSD		2.190	10.450	52.020	25.720	1.866	1.300	1.435	2.289

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:19:24	0.078	0.063	0.107	0.087	0.089	79.871%
2	23:20:06	0.061	0.055	0.050	0.065	0.073	84.036%
3	23:20:47	0.064	0.048	0.064	0.090	0.078	83.781%
x		0.068	0.055	0.074	0.081	0.080	82.563%
σ		0.009	0.008	0.030	0.014	0.008	2.335%
%RSD		13.020	14.430	40.310	16.830	10.510	2.828

180-17219-A-18-A 12/29/2012 11:22:58 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:40	101.459%	-0.031	115.600	109.900	0.000	269700.000	45060.000	45190.000
2	23:24:21	104.073%	-0.031	117.200	110.500	0.000	266800.000	45500.000	45700.000
3	23:25:03	104.915%	-0.031	119.300	114.800	0.000	265600.000	45530.000	45780.000
x		103.482%	-0.031	117.400	111.700	0.000	267400.000	45360.000	45560.000
σ		1.802%	0.000	1.864	2.710	0.000	2145.000	261.500	322.500
%RSD		1.741	0.000	1.588	2.425	0.000	0.802	0.577	0.708

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:40	-3.470	3676.000	0.000	13190.000	200900.000	204700.000	75.984%	0.870
2	23:24:21	-3.941	3680.000	0.000	13070.000	203700.000	208400.000	77.150%	0.720
3	23:25:03	-3.975	3660.000	0.000	12960.000	201800.000	208400.000	77.676%	0.715
x		-3.795	3672.000	0.000	13070.000	202100.000	207200.000	76.937%	0.768
σ		0.282	10.930	0.000	115.300	1407.000	2113.000	0.866%	0.088
%RSD		7.438	0.298	0.000	0.882	0.696	1.020	1.126	11.440

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:40	-6.897	2.897	24.520	27.420	284.200	0.235	8.062	3.032
2	23:24:21	-9.042	3.159	25.010	27.790	263.700	0.276	7.925	2.307
3	23:25:03	-8.944	3.201	24.860	28.170	276.800	0.258	8.171	2.185
x		-8.294	3.086	24.790	27.790	274.900	0.256	8.053	2.508
σ		1.211	0.165	0.249	0.377	10.390	0.021	0.123	0.458
%RSD		14.600	5.332	1.003	1.355	3.780	8.154	1.532	18.250

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:40	2.196	4.861	5.231	-1.295	0.930	1.254	0.000	764.600
2	23:24:21	2.036	5.401	6.873	0.115	0.944	1.294	0.000	770.000
3	23:25:03	2.446	5.591	5.745	-1.577	1.425	0.806	0.000	772.900
x		2.226	5.284	5.950	-0.919	1.100	1.118	0.000	769.200
σ		0.206	0.379	0.840	0.907	0.282	0.271	0.000	4.193
%RSD		9.272	7.174	14.110	98.670	25.610	24.240	0.000	0.545

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:40	75.586%	0.062	0.089	71.047%	0.004	0.004	0.237	0.231
2	23:24:21	77.504%	-0.005	0.087	73.120%	0.004	0.010	0.170	0.094
3	23:25:03	77.806%	0.049	0.188	73.951%	-0.006	-0.002	0.181	0.126
x		76.965%	0.035	0.121	72.706%	0.000	0.004	0.196	0.150
σ		1.204%	0.036	0.058	1.496%	0.006	0.006	0.036	0.072
%RSD		1.565	101.100	47.890	2.057	1256.000	134.800	18.330	47.780

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:40	76.634%	5.320	0.092	0.101	246.300	241.000	83.533%	83.952%
2	23:24:21	78.316%	5.761	0.159	0.077	248.800	245.800	86.318%	86.861%
3	23:25:03	79.062%	5.634	0.083	0.069	248.200	246.700	87.249%	88.884%
x		78.004%	5.572	0.112	0.082	247.700	244.500	85.700%	86.566%
σ		1.243%	0.227	0.041	0.016	1.325	3.083	1.933%	2.479%
%RSD		1.594	4.075	37.140	19.940	0.535	1.261	2.256	2.864

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:40	0.058	0.059	0.040	0.033	0.033	77.417%
2	23:24:21	0.039	0.037	0.033	0.021	0.034	81.827%
3	23:25:03	0.032	0.054	0.029	0.012	0.036	82.609%
x		0.043	0.050	0.034	0.022	0.034	80.618%
σ		0.013	0.012	0.006	0.010	0.002	2.799%
%RSD		31.300	23.770	17.100	46.100	4.498	3.472

CCV 664806 12/29/2012 11:30:04 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:30:45	75.630%	104.500	96.980	92.790	0.000	47810.000	41230.000	41500.000
2	23:31:27	79.028%	102.800	98.820	95.020	0.000	47110.000	41060.000	41260.000
3	23:32:09	79.050%	104.100	88.260	97.770	0.000	47120.000	41490.000	41760.000
x		77.903%	103.793%	94.688%	95.194%	0.000	94.694%	82.517%	83.018%
σ		1.968%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		2.527	0.864	5.957	2.616	0.000	0.838	0.523	0.604

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:30:45	460.300	4821.000	0.000	48280.000	47040.000	47200.000	73.529%	97.780
2	23:31:27	455.900	4854.000	0.000	47870.000	48420.000	47150.000	75.489%	96.370
3	23:32:09	463.300	4864.000	0.000	47820.000	47540.000	47330.000	76.985%	104.000
x		91.968%	96.928%	0.000	95.984%	95.334%	94.455%	75.334%	99.383%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.734%	n/a
%RSD		0.808	0.470	0.000	0.524	1.460	0.200	2.301	4.088

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:30:45	94.490	96.690	476.600	24450.000	24110.000	98.210	97.460	101.000
2	23:31:27	95.930	98.250	479.600	24290.000	24350.000	99.220	100.800	101.600
3	23:32:09	97.180	98.960	481.500	24260.000	24490.000	98.520	99.670	103.200
x		95.865%	97.964%	95.849%	97.329%	97.255%	98.648%	99.320%	101.922%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.404	1.183	0.524	0.415	0.791	0.526	1.728	1.088

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:30:45	100.000	102.300	103.200	99.420	87.740	98.000	0.000	97.360
2	23:31:27	100.400	101.100	102.200	98.150	100.100	97.550	0.000	97.120
3	23:32:09	103.300	100.600	98.550	100.700	97.740	102.000	0.000	96.720
x		101.258%	101.310%	101.305%	99.435%	95.191%	99.169%	0.000	97.070%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.785	0.846	2.400	1.298	6.888	2.446	0.000	0.332

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:30:45	74.215%	97.940	98.310	73.337%	97.450	98.300	97.630	97.310
2	23:31:27	76.919%	98.020	102.400	75.987%	97.770	98.720	98.300	96.710
3	23:32:09	78.385%	102.300	101.300	77.765%	98.270	98.620	99.890	97.010
x		76.507%	99.429%	100.686%	75.696%	97.834%	98.547%	98.608%	97.010%
σ		2.115%	n/a	n/a	2.229%	n/a	n/a	n/a	n/a
%RSD		2.765	2.523	2.109	2.944	0.422	0.225	1.180	0.310

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:30:45	76.458%	98.990	98.500	98.360	95.990	96.180	80.706%	80.768%
2	23:31:27	79.218%	99.770	99.350	97.970	97.050	96.740	84.155%	85.215%
3	23:32:09	80.762%	100.300	97.050	97.790	97.850	97.400	85.077%	86.507%
x		78.812%	99.698%	98.304%	98.040%	96.961%	96.772%	83.313%	84.163%
σ		2.180%	n/a	n/a	n/a	n/a	n/a	2.304%	3.011%
%RSD		2.767	0.678	1.184	0.294	0.962	0.634	2.766	3.577

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:30:45	101.300	100.800	102.900	102.100	102.600	78.003%
2	23:31:27	101.100	101.600	102.200	102.000	102.500	81.456%
3	23:32:09	100.400	100.500	101.600	102.400	101.800	83.386%
x		100.935%	100.982%	102.219%	102.165%	102.308%	80.948%
σ		n/a	n/a	n/a	n/a	n/a	2.727%
%RSD		0.434	0.599	0.649	0.247	0.395	3.369

CCB8 12/29/2012 11:37:12 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:53	89.084%	-0.031	0.838	1.742	0.000	-30.050	21.910	21.630
2	23:38:35	90.198%	0.037	2.904	1.711	0.000	-18.980	26.790	27.520
3	23:39:17	90.701%	0.037	0.073	1.551	0.000	-35.750	20.700	21.330
x		89.994%	0.014	1.271	1.668	0.000	-28.260	23.130	23.490
σ		0.828%	0.039	1.464	0.102	0.000	8.529	3.226	3.491
%RSD		0.920	270.900	115.200	6.128	0.000	30.180	13.950	14.860

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:53	-1.821	2.459	0.000	9.968	39.860	47.140	83.805%	0.161
2	23:38:35	-1.014	2.811	0.000	15.260	87.480	55.460	84.284%	0.221
3	23:39:17	-2.083	2.860	0.000	4.170	65.590	49.780	85.051%	0.157
x		-1.639	2.710	0.000	9.801	64.310	50.790	84.380%	0.180
σ		0.557	0.219	0.000	5.549	23.840	4.252	0.628%	0.036
%RSD		33.980	8.074	0.000	56.620	37.070	8.372	0.745	19.960

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:53	0.108	0.025	0.356	17.440	27.650	0.050	0.176	0.489
2	23:38:35	0.227	0.018	0.427	16.470	26.690	0.041	0.153	0.534
3	23:39:17	0.078	-0.023	0.377	12.000	20.830	0.049	0.173	0.331
x		0.138	0.007	0.387	15.300	25.060	0.047	0.167	0.451
σ		0.079	0.026	0.036	2.898	3.695	0.005	0.012	0.107
%RSD		57.210	374.900	9.315	18.940	14.750	9.669	7.216	23.650

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:53	0.189	0.484	0.335	-0.065	-0.336	-0.015	0.000	0.470
2	23:38:35	0.352	0.503	0.353	-0.280	-0.469	-0.980	0.000	0.752
3	23:39:17	0.432	0.338	0.426	-0.406	-1.652	-1.393	0.000	0.502
x		0.325	0.442	0.372	-0.250	-0.819	-0.796	0.000	0.575
σ		0.124	0.090	0.048	0.173	0.725	0.707	0.000	0.154
%RSD		38.050	20.410	13.040	68.970	88.470	88.840	0.000	26.780

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:53	82.568%	0.327	0.314	80.453%	0.065	0.055	0.040	0.045
2	23:38:35	82.878%	0.101	0.158	81.005%	0.051	0.075	-0.009	0.010
3	23:39:17	82.860%	0.179	0.254	81.072%	0.065	0.034	0.094	0.031
x		82.769%	0.202	0.242	80.843%	0.060	0.055	0.042	0.029
σ		0.174%	0.115	0.079	0.340%	0.008	0.021	0.051	0.018
%RSD		0.210	56.680	32.570	0.421	13.850	37.610	123.500	61.090

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:53	80.581%	0.292	0.093	0.062	0.182	0.207	82.077%	82.570%
2	23:38:35	81.059%	0.661	0.087	0.061	0.314	0.410	83.257%	84.027%
3	23:39:17	81.364%	0.724	0.050	0.014	0.177	0.219	83.886%	84.408%
x		81.001%	0.559	0.077	0.046	0.224	0.279	83.073%	83.669%
σ		0.395%	0.233	0.023	0.027	0.077	0.114	0.918%	0.970%
%RSD		0.488	41.740	30.240	59.990	34.520	41.010	1.106	1.160

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:53	0.102	0.095	0.053	0.040	0.044	84.876%
2	23:38:35	0.054	0.117	0.059	0.043	0.064	85.926%
3	23:39:17	0.071	0.055	0.044	0.063	0.059	86.670%
x		0.076	0.089	0.052	0.049	0.056	85.824%
σ		0.025	0.032	0.007	0.012	0.010	0.901%
%RSD		32.370	35.380	14.320	25.120	18.510	1.050

180-17219-A-19-A 12/29/2012 11:41:30 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:42:12	92.335%	-0.031	61.450	57.080	0.000	68800.000	15760.000	15760.000
2	23:42:53	95.122%	-0.031	56.540	58.420	0.000	68050.000	15740.000	15750.000
3	23:43:35	96.978%	0.034	57.040	58.670	0.000	67520.000	15720.000	15770.000
x		94.812%	-0.009	58.340	58.050	0.000	68120.000	15740.000	15760.000
σ		2.337%	0.037	2.702	0.857	0.000	640.700	23.050	9.331
%RSD		2.465	405.200	4.630	1.475	0.000	0.940	0.146	0.059

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:42:12	2.978	4546.000	0.000	1306.000	48010.000	47520.000	69.073%	1.491
2	23:42:53	2.571	4531.000	0.000	1316.000	48040.000	47580.000	70.887%	0.864
3	23:43:35	2.913	4516.000	0.000	1319.000	47250.000	47340.000	71.523%	1.292
x		2.821	4531.000	0.000	1314.000	47770.000	47480.000	70.494%	1.216
σ		0.219	14.960	0.000	6.548	444.300	121.900	1.272%	0.320
%RSD		7.748	0.330	0.000	0.498	0.930	0.257	1.804	26.340

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:42:12	-8.171	2.146	13.370	25.490	98.780	0.057	4.875	1.595
2	23:42:53	-6.646	2.450	13.450	20.510	81.650	0.045	4.769	1.583
3	23:43:35	-8.473	2.668	13.480	19.740	85.960	0.072	5.627	1.827
x		-7.763	2.422	13.430	21.920	88.790	0.058	5.090	1.668
σ		0.979	0.262	0.054	3.119	8.913	0.013	0.468	0.137
%RSD		12.610	10.820	0.403	14.230	10.040	23.100	9.191	8.234

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:42:12	1.209	3.312	2.313	1.039	2.236	0.332	0.000	241.700
2	23:42:53	1.357	2.795	2.678	-2.382	0.389	1.077	0.000	239.700
3	23:43:35	2.237	2.401	3.120	-0.444	2.002	0.960	0.000	242.600
x		1.601	2.836	2.703	-0.596	1.542	0.790	0.000	241.400
σ		0.556	0.457	0.404	1.716	1.006	0.401	0.000	1.490
%RSD		34.720	16.110	14.940	288.000	65.220	50.790	0.000	0.617

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:42:12	69.501%	0.370	0.286	67.687%	0.010	0.011	0.134	0.017
2	23:42:53	72.025%	0.257	0.110	69.633%	-0.001	-0.007	0.084	-0.076
3	23:43:35	72.219%	0.072	0.133	70.600%	0.010	-0.001	-0.173	-0.080
x		71.248%	0.233	0.176	69.307%	0.006	0.001	0.015	-0.046
σ		1.517%	0.150	0.096	1.484%	0.006	0.009	0.165	0.055
%RSD		2.129	64.380	54.290	2.141	101.600	998.300	1095.000	118.800

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:42:12	71.671%	9.525	0.118	0.140	115.500	115.300	77.905%	78.345%
2	23:42:53	74.851%	7.653	0.095	0.119	116.800	116.700	80.214%	80.777%
3	23:43:35	74.428%	6.792	0.107	0.076	115.800	114.900	80.939%	82.927%
x		73.650%	7.990	0.107	0.112	116.000	115.600	79.686%	80.683%
σ		1.727%	1.397	0.011	0.033	0.666	0.969	1.584%	2.292%
%RSD		2.344	17.490	10.570	29.350	0.574	0.838	1.988	2.841

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:42:12	0.060	0.051	0.046	0.034	0.044	75.702%
2	23:42:53	0.042	0.043	0.012	0.032	0.023	78.591%
3	23:43:35	0.012	0.038	0.023	0.009	0.027	80.133%
x		0.038	0.044	0.027	0.025	0.031	78.142%
σ		0.024	0.006	0.017	0.014	0.011	2.249%
%RSD		63.510	14.590	63.400	54.720	35.350	2.878

180-17219-A-20-A 12/29/2012 11:45:47 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:28	84.823%	0.006	80.390	74.430	0.000	218600.000	96610.000	96530.000
2	23:47:10	86.774%	0.005	78.430	77.000	0.000	215300.000	95090.000	94920.000
3	23:47:51	88.412%	-0.031	76.440	72.940	0.000	211900.000	93800.000	93930.000
x		86.670%	-0.006	78.420	74.790	0.000	215300.000	95170.000	95130.000
σ		1.797%	0.021	1.974	2.050	0.000	3380.000	1409.000	1310.000
%RSD		2.073	323.500	2.518	2.741	0.000	1.570	1.480	1.378

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:28	240.100	10430.000	0.000	21310.000	143000.000	147100.000	65.094%	11.150
2	23:47:10	243.500	10400.000	0.000	21000.000	146900.000	146900.000	66.628%	12.830
3	23:47:51	238.500	10330.000	0.000	20790.000	146300.000	147200.000	67.005%	12.060
x		240.700	10390.000	0.000	21040.000	145400.000	147000.000	66.242%	12.010
σ		2.541	54.640	0.000	261.500	2099.000	134.400	1.012%	0.841
%RSD		1.056	0.526	0.000	1.243	1.444	0.091	1.528	7.003

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:28	-2.847	1.240	2826.000	114100.000	116800.000	0.231	0.597	2.966
2	23:47:10	-1.786	1.351	2823.000	112000.000	117100.000	0.321	0.386	3.144
3	23:47:51	-2.648	1.176	2845.000	111500.000	117300.000	0.242	1.167	3.580
x		-2.427	1.256	2831.000	112600.000	117100.000	0.265	0.717	3.230
σ		0.564	0.089	11.500	1376.000	271.900	0.049	0.404	0.316
%RSD		23.230	7.056	0.406	1.223	0.232	18.520	56.360	9.770

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:28	2.962	4.784	6.697	1.243	-0.728	-0.609	0.000	833.800
2	23:47:10	2.590	4.888	6.610	1.696	-0.837	0.155	0.000	828.700
3	23:47:51	3.056	5.338	5.563	1.239	-0.427	1.049	0.000	841.000
x		2.869	5.003	6.290	1.393	-0.664	0.199	0.000	834.500
σ		0.247	0.294	0.631	0.263	0.212	0.830	0.000	6.160
%RSD		8.595	5.881	10.030	18.870	31.960	417.600	0.000	0.738

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:28	66.931%	0.107	0.012	64.172%	0.017	-0.007	0.028	-0.077
2	23:47:10	69.366%	-0.081	0.012	66.162%	-0.001	-0.007	-0.048	-0.118
3	23:47:51	69.700%	-0.052	0.017	67.440%	0.010	-0.007	-0.051	0.011
x		68.665%	-0.009	0.014	65.924%	0.009	-0.007	-0.024	-0.061
σ		1.511%	0.101	0.003	1.647%	0.009	0.000	0.045	0.066
%RSD		2.201	1161.000	21.630	2.498	102.300	0.000	190.800	107.500

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:28	69.565%	5.553	0.152	0.099	467.800	465.700	76.502%	78.720%
2	23:47:10	72.007%	5.581	0.076	0.138	463.900	467.600	80.944%	81.361%
3	23:47:51	74.353%	4.620	0.152	0.141	469.100	469.900	80.755%	82.825%
x		71.975%	5.251	0.127	0.126	466.900	467.700	79.400%	80.969%
σ		2.394%	0.547	0.044	0.024	2.717	2.073	2.512%	2.081%
%RSD		3.326	10.420	34.670	18.860	0.582	0.443	3.164	2.570

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:28	0.035	0.022	2.008	1.997	2.080	73.901%
2	23:47:10	0.023	0.011	2.261	2.117	2.138	78.216%
3	23:47:51	0.032	0.030	2.248	2.203	2.262	79.018%
x		0.030	0.021	2.172	2.106	2.160	77.045%
σ		0.006	0.009	0.142	0.104	0.093	2.752%
%RSD		21.590	45.570	6.547	4.934	4.301	3.572

180-17219-A-21-A 12/29/2012 11:50:03 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:50:45	87.651%	0.005	121.400	121.600	0.000	94660.000	29040.000	29060.000
2	23:51:26	89.185%	-0.031	122.700	125.400	0.000	93570.000	28990.000	29040.000
3	23:52:08	90.293%	-0.031	125.200	120.100	0.000	93520.000	28830.000	29100.000
x		89.043%	-0.019	123.100	122.300	0.000	93920.000	28960.000	29060.000
σ		1.327%	0.020	1.909	2.764	0.000	642.800	109.200	30.200
%RSD		1.490	108.700	1.551	2.259	0.000	0.685	0.377	0.104
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:50:45	-1.848	6871.000	0.000	4838.000	52860.000	53010.000	68.225%	1.510
2	23:51:26	-2.055	6857.000	0.000	4844.000	53520.000	52950.000	68.984%	1.416
3	23:52:08	-1.221	6882.000	0.000	4869.000	53530.000	53290.000	68.916%	2.093
x		-1.708	6870.000	0.000	4850.000	53310.000	53080.000	68.708%	1.673
σ		0.435	12.520	0.000	16.540	384.700	177.900	0.420%	0.367
%RSD		25.450	0.182	0.000	0.341	0.722	0.335	0.611	21.950
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:50:45	-2.135	0.366	1948.000	46210.000	47060.000	4.121	1.916	2.954
2	23:51:26	-3.715	0.323	1961.000	45730.000	47310.000	4.392	1.870	2.785
3	23:52:08	-3.367	0.570	1960.000	45740.000	47450.000	4.134	1.941	2.826
x		-3.072	0.419	1956.000	45890.000	47270.000	4.216	1.909	2.855
σ		0.830	0.132	7.024	271.800	195.400	0.153	0.036	0.088
%RSD		27.010	31.410	0.359	0.592	0.413	3.631	1.886	3.093
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:50:45	2.696	12.330	10.250	9.001	-1.434	-1.382	0.000	387.900
2	23:51:26	2.491	11.390	13.000	11.320	-0.537	-0.163	0.000	380.300
3	23:52:08	2.656	11.880	12.630	8.056	-2.062	-1.086	0.000	382.500
x		2.614	11.870	11.960	9.458	-1.344	-0.877	0.000	383.500
σ		0.109	0.469	1.490	1.679	0.766	0.636	0.000	3.938
%RSD		4.170	3.952	12.450	17.750	57.010	72.540	0.000	1.027
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:50:45	69.715%	0.022	0.126	69.126%	0.015	-0.001	0.058	-0.016
2	23:51:26	71.864%	0.088	-0.043	71.002%	0.015	0.016	-0.097	-0.050
3	23:52:08	72.322%	0.116	0.094	71.178%	0.004	0.010	0.103	-0.027
x		71.300%	0.075	0.059	70.435%	0.011	0.008	0.021	-0.031
σ		1.392%	0.048	0.089	1.137%	0.006	0.009	0.105	0.017
%RSD		1.952	63.790	151.400	1.614	55.770	105.000	494.600	56.100
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:50:45	73.713%	4.556	0.142	0.165	56.750	57.830	80.298%	81.638%
2	23:51:26	75.508%	4.601	0.272	0.231	55.740	55.850	82.170%	84.659%
3	23:52:08	77.090%	4.654	0.223	0.121	58.090	58.450	83.087%	84.757%
x		75.437%	4.603	0.212	0.172	56.860	57.380	81.852%	83.685%
σ		1.690%	0.049	0.065	0.055	1.181	1.355	1.421%	1.773%
%RSD		2.240	1.064	30.770	32.150	2.077	2.362	1.736	2.119
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:50:45	0.022	0.009	0.449	0.471	0.417	79.483%		
2	23:51:26	0.029	0.006	0.394	0.451	0.454	82.671%		
3	23:52:08	0.011	0.018	0.397	0.456	0.414	82.677%		
x		0.021	0.011	0.413	0.459	0.428	81.610%		
σ		0.009	0.006	0.031	0.010	0.022	1.842%		
%RSD		43.440	58.330	7.455	2.183	5.161	2.257		

180-17219-A-22-A 12/29/2012 11:54:20 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:55:01	86.138%	0.005	106.100	105.800	0.000	74990.000	23390.000	23360.000
2	23:55:43	89.603%	0.074	104.500	109.700	0.000	74250.000	23340.000	23430.000
3	23:56:25	90.558%	0.004	111.800	108.300	0.000	73350.000	23110.000	23170.000
x		88.766%	0.028	107.500	107.900	0.000	74200.000	23280.000	23320.000
σ		2.326%	0.040	3.843	1.957	0.000	822.500	146.300	135.300
%RSD		2.620	144.400	3.576	1.813	0.000	1.109	0.628	0.580

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:55:01	192.500	7236.000	0.000	2934.000	43720.000	43320.000	66.712%	8.926
2	23:55:43	192.500	7206.000	0.000	2971.000	44460.000	44050.000	67.264%	10.700
3	23:56:25	188.000	7123.000	0.000	2936.000	43470.000	43530.000	67.814%	9.078
x		191.000	7188.000	0.000	2947.000	43890.000	43630.000	67.263%	9.568
σ		2.591	58.220	0.000	20.420	517.200	376.600	0.551%	0.983
%RSD		1.357	0.810	0.000	0.693	1.178	0.863	0.819	10.270

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:55:01	-1.869	1.365	774.000	34520.000	34900.000	0.340	1.914	3.469
2	23:55:43	-1.459	1.259	785.600	34270.000	35140.000	0.346	2.237	4.003
3	23:56:25	-1.121	1.164	780.500	33830.000	34800.000	0.322	2.015	3.861
x		-1.483	1.263	780.000	34210.000	34950.000	0.336	2.055	3.778
σ		0.375	0.100	5.786	347.200	175.900	0.012	0.165	0.277
%RSD		25.250	7.934	0.742	1.015	0.503	3.639	8.036	7.320

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:55:01	3.040	8.119	9.048	16.980	-0.846	-0.983	0.000	278.100
2	23:55:43	3.258	8.421	9.704	18.540	-0.463	-0.991	0.000	281.800
3	23:56:25	3.432	8.818	9.699	16.750	-0.666	-0.684	0.000	279.600
x		3.243	8.453	9.484	17.420	-0.658	-0.886	0.000	279.800
σ		0.196	0.350	0.377	0.972	0.192	0.175	0.000	1.864
%RSD		6.044	4.143	3.978	5.580	29.170	19.710	0.000	0.666

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:55:01	69.612%	0.164	0.167	68.476%	-0.006	-0.007	-0.093	-0.139
2	23:55:43	70.517%	0.202	0.169	69.750%	0.015	-0.007	-0.157	-0.186
3	23:56:25	72.042%	0.178	0.244	70.708%	-0.001	0.004	-0.092	-0.129
x		70.723%	0.181	0.193	69.645%	0.002	-0.003	-0.114	-0.151
σ		1.228%	0.020	0.044	1.120%	0.011	0.007	0.037	0.030
%RSD		1.737	10.760	22.820	1.608	455.000	206.400	32.690	20.050

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:55:01	73.415%	3.826	0.389	0.370	77.380	77.090	80.411%	80.969%
2	23:55:43	75.828%	3.608	0.316	0.309	78.430	75.060	81.322%	82.741%
3	23:56:25	75.800%	3.861	0.287	0.322	77.060	77.090	83.049%	85.197%
x		75.014%	3.765	0.330	0.334	77.620	76.410	81.594%	82.969%
σ		1.385%	0.137	0.052	0.032	0.717	1.170	1.340%	2.123%
%RSD		1.847	3.645	15.840	9.665	0.923	1.531	1.642	2.559

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:55:01	0.003	0.014	1.053	1.156	1.120	79.021%
2	23:55:43	0.009	0.008	1.120	1.064	1.101	81.903%
3	23:56:25	-0.007	0.015	1.155	1.088	1.143	83.527%
x		0.002	0.013	1.109	1.103	1.121	81.484%
σ		0.008	0.004	0.052	0.047	0.021	2.282%
%RSD		456.300	29.560	4.697	4.304	1.868	2.801

180-17219-A-23-A 12/29/2012 11:58:37 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:59:19	86.598%	0.005	54.320	58.020	0.000	154700.000	74520.000	75150.000
2	00:00:01	89.765%	0.004	55.260	56.510	0.000	150400.000	66180.000	73060.000
3	00:00:43	89.773%	0.004	58.380	55.700	0.000	151000.000	72690.000	73680.000
x		88.712%	0.004	55.980	56.740	0.000	152000.000	71130.000	73960.000
σ		1.831%	0.001	2.125	1.176	0.000	2340.000	4387.000	1074.000
%RSD		2.064	16.050	3.795	2.072	0.000	1.539	6.167	1.452
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:59:19	52.750	9246.000	0.000	5472.000	67130.000	65890.000	68.151%	13.230
2	00:00:01	49.130	9137.000	0.000	5483.000	67610.000	65960.000	69.468%	11.250
3	00:00:43	50.210	9208.000	0.000	5478.000	66080.000	66280.000	69.748%	12.480
x		50.690	9197.000	0.000	5478.000	66940.000	66040.000	69.122%	12.320
σ		1.858	55.580	0.000	5.671	778.700	206.000	0.853%	0.998
%RSD		3.665	0.604	0.000	0.104	1.163	0.312	1.234	8.102
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:59:19	-1.094	1.182	4042.000	48660.000	49790.000	0.319	2.577	5.790
2	00:00:01	0.959	1.133	4036.000	47780.000	49600.000	0.338	2.156	6.448
3	00:00:43	-0.169	1.062	4049.000	47810.000	50100.000	0.399	2.269	6.408
x		-0.101	1.125	4043.000	48090.000	49830.000	0.352	2.334	6.215
σ		1.028	0.060	6.688	500.800	252.300	0.042	0.218	0.369
%RSD		1019.000	5.368	0.165	1.041	0.506	11.900	9.326	5.934
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:59:19	5.474	9.072	11.080	25.510	-0.060	-0.697	0.000	486.300
2	00:00:01	5.836	9.928	10.740	24.870	-0.591	-0.887	0.000	479.800
3	00:00:43	6.077	9.671	9.230	26.020	-0.697	0.359	0.000	489.400
x		5.796	9.557	10.350	25.470	-0.449	-0.409	0.000	485.200
σ		0.304	0.439	0.984	0.579	0.341	0.671	0.000	4.899
%RSD		5.238	4.598	9.508	2.272	75.960	164.300	0.000	1.010
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:59:19	70.648%	0.543	0.758	68.860%	-0.006	0.022	0.018	-0.097
2	00:00:01	73.158%	0.783	0.808	70.940%	0.004	0.004	0.132	0.051
3	00:00:43	72.204%	0.716	0.712	70.876%	-0.001	0.016	-0.160	-0.223
x		72.003%	0.680	0.760	70.225%	-0.001	0.014	-0.003	-0.089
σ		1.267%	0.124	0.048	1.183%	0.005	0.009	0.147	0.137
%RSD		1.760	18.210	6.289	1.684	459.700	63.910	4368.000	153.000
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:59:19	73.403%	3.511	0.702	0.669	209.800	208.200	81.292%	82.568%
2	00:00:01	75.072%	3.867	0.606	0.687	206.500	207.400	84.590%	84.897%
3	00:00:43	76.396%	3.893	0.620	0.714	210.100	206.000	83.448%	85.022%
x		74.957%	3.757	0.643	0.690	208.800	207.200	83.110%	84.162%
σ		1.500%	0.213	0.052	0.022	1.978	1.127	1.675%	1.382%
%RSD		2.001	5.672	8.047	3.242	0.947	0.544	2.015	1.642
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:59:19	0.003	0.012	1.772	1.834	1.759	79.349%		
2	00:00:01	0.012	0.006	1.757	1.679	1.821	81.695%		
3	00:00:43	-0.010	0.001	1.727	1.957	1.828	82.099%		
x		0.002	0.006	1.752	1.823	1.803	81.048%		
σ		0.011	0.005	0.023	0.139	0.038	1.485%		
%RSD		614.700	89.590	1.308	7.641	2.117	1.832		

180-17219-A-24-A 12/30/2012 12:02:55 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:03:37	88.869%	0.004	55.510	59.250	0.000	155000.000	59600.000	66560.000
2	00:04:18	90.577%	0.004	64.400	56.860	0.000	154300.000	59980.000	66250.000
3	00:05:00	89.986%	0.038	59.990	61.000	0.000	154100.000	60140.000	65710.000
x		89.810%	0.015	59.960	59.040	0.000	154500.000	59910.000	66170.000
σ		0.868%	0.020	4.447	2.081	0.000	464.500	277.500	430.200
%RSD		0.966	128.500	7.415	3.524	0.000	0.301	0.463	0.650

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:03:37	114.900	7830.000	0.000	5062.000	66580.000	66160.000	69.372%	6.118
2	00:04:18	117.900	7858.000	0.000	5097.000	66300.000	67000.000	69.954%	7.397
3	00:05:00	95.810	7849.000	0.000	5111.000	66870.000	67050.000	69.990%	6.576
x		109.500	7845.000	0.000	5090.000	66580.000	66740.000	69.772%	6.697
σ		11.970	14.470	0.000	25.200	283.000	499.200	0.346%	0.648
%RSD		10.930	0.185	0.000	0.495	0.425	0.748	0.497	9.674

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:03:37	-0.720	0.495	1505.000	79500.000	82870.000	1.211	0.541	11.950
2	00:04:18	-2.482	0.381	1519.000	79040.000	83630.000	1.052	1.016	12.140
3	00:05:00	-1.909	0.569	1524.000	78450.000	83550.000	1.076	0.523	11.780
x		-1.704	0.482	1516.000	79000.000	83350.000	1.113	0.693	11.960
σ		0.899	0.095	9.735	528.000	417.300	0.085	0.280	0.178
%RSD		52.770	19.730	0.642	0.668	0.501	7.676	40.320	1.487

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:03:37	12.030	13.880	13.740	8.610	-0.523	0.303	0.000	594.400
2	00:04:18	11.110	13.460	14.340	6.608	-0.995	-0.408	0.000	602.500
3	00:05:00	11.180	13.290	13.920	7.234	-0.748	0.011	0.000	602.800
x		11.440	13.540	14.000	7.484	-0.755	-0.031	0.000	599.900
σ		0.516	0.307	0.311	1.024	0.236	0.358	0.000	4.746
%RSD		4.510	2.264	2.224	13.690	31.280	1135.000	0.000	0.791

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:03:37	71.348%	-0.121	-0.068	70.125%	0.004	0.004	0.146	-0.045
2	00:04:18	72.907%	-0.140	-0.027	71.720%	0.004	0.015	-0.171	-0.199
3	00:05:00	73.606%	0.021	-0.011	72.132%	0.004	0.004	-0.002	-0.063
x		72.620%	-0.080	-0.035	71.326%	0.004	0.008	-0.009	-0.102
σ		1.156%	0.088	0.029	1.060%	0.000	0.006	0.158	0.084
%RSD		1.592	109.500	82.200	1.486	3.922	79.350	1719.000	82.580

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:03:37	75.007%	3.440	0.123	0.161	194.900	196.300	81.390%	84.322%
2	00:04:18	77.283%	3.662	0.195	0.142	203.800	197.400	83.941%	86.134%
3	00:05:00	76.925%	3.081	0.146	0.183	203.100	197.500	86.123%	86.420%
x		76.405%	3.394	0.155	0.162	200.600	197.100	83.818%	85.625%
σ		1.224%	0.293	0.037	0.021	4.931	0.681	2.369%	1.138%
%RSD		1.602	8.638	23.710	12.880	2.458	0.346	2.826	1.329

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:03:37	-0.000	0.006	2.089	1.971	2.025	79.712%
2	00:04:18	0.005	0.024	1.935	1.944	2.051	82.998%
3	00:05:00	0.002	0.010	1.990	2.157	2.046	83.927%
x		0.002	0.013	2.005	2.024	2.041	82.212%
σ		0.003	0.009	0.078	0.116	0.014	2.215%
%RSD		111.100	68.370	3.906	5.741	0.665	2.694

180-17288-A-1-A 12/30/2012 12:07:13 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:07:55	101.939%	0.031	231.400	224.000	0.000	119900.000	119300.000	119700.000
2	00:08:36	106.318%	-0.031	226.800	224.800	0.000	120000.000	119300.000	119800.000
3	00:09:18	105.663%	0.087	241.100	229.700	0.000	121000.000	120000.000	120500.000
x		104.640%	0.029	233.100	226.200	0.000	120300.000	119500.000	120000.000
σ		2.362%	0.059	7.274	3.076	0.000	610.500	403.000	438.400
%RSD		2.257	202.800	3.121	1.360	0.000	0.508	0.337	0.365
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:07:55	304.100	9266.000	0.000	13910.000	113300.000	112700.000	75.901%	12.640
2	00:08:36	308.000	9413.000	0.000	13920.000	114300.000	114400.000	78.268%	10.660
3	00:09:18	311.200	9503.000	0.000	13900.000	114200.000	113900.000	79.367%	10.770
x		307.800	9394.000	0.000	13910.000	113900.000	113700.000	77.845%	11.350
σ		3.522	119.400	0.000	12.240	580.000	877.100	1.771%	1.112
%RSD		1.144	1.271	0.000	0.088	0.509	0.772	2.275	9.789
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:07:55	-6.902	2.543	1668.000	589.200	857.300	17.200	4.534	3.230
2	00:08:36	-7.174	3.276	1682.000	612.400	899.900	17.620	4.755	3.181
3	00:09:18	-10.360	3.194	1688.000	619.000	891.100	16.950	5.235	3.263
x		-8.146	3.004	1679.000	606.900	882.800	17.260	4.841	3.225
σ		1.925	0.402	10.330	15.670	22.510	0.338	0.358	0.041
%RSD		23.620	13.380	0.615	2.581	2.550	1.957	7.399	1.283
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:07:55	3.028	5.017	6.264	1.097	1.026	1.458	0.000	768.000
2	00:08:36	3.330	5.410	6.107	-0.274	0.338	2.887	0.000	770.300
3	00:09:18	2.624	4.901	5.151	0.306	1.175	1.088	0.000	776.400
x		2.994	5.109	5.841	0.377	0.846	1.811	0.000	771.600
σ		0.354	0.267	0.602	0.688	0.446	0.950	0.000	4.349
%RSD		11.830	5.229	10.310	182.800	52.730	52.440	0.000	0.564
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:07:55	76.286%	0.397	0.360	73.650%	0.004	-0.007	0.083	-0.090
2	00:08:36	79.435%	0.562	0.522	76.360%	0.048	0.035	-0.160	-0.148
3	00:09:18	79.657%	0.297	0.558	77.190%	0.008	0.014	0.035	-0.053
x		78.459%	0.419	0.480	75.733%	0.020	0.014	-0.014	-0.097
σ		1.885%	0.134	0.105	1.852%	0.024	0.021	0.129	0.048
%RSD		2.403	31.990	21.960	2.445	121.800	149.700	905.400	49.670
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:07:55	79.310%	2.974	0.105	0.151	297.000	294.600	85.795%	86.735%
2	00:08:36	81.114%	4.026	0.050	0.160	296.800	296.800	88.947%	90.263%
3	00:09:18	81.377%	4.284	0.153	0.232	307.600	298.100	89.038%	90.806%
x		80.600%	3.761	0.102	0.181	300.500	296.500	87.927%	89.268%
σ		1.125%	0.694	0.051	0.044	6.175	1.777	1.847%	2.210%
%RSD		1.396	18.450	50.300	24.580	2.055	0.599	2.100	2.476
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:07:55	0.030	0.059	0.477	0.411	0.466	81.412%		
2	00:08:36	0.034	0.038	0.499	0.478	0.474	85.061%		
3	00:09:18	0.059	0.081	0.429	0.512	0.453	86.183%		
x		0.041	0.059	0.468	0.467	0.464	84.219%		
σ		0.016	0.021	0.036	0.051	0.010	2.495%		
%RSD		38.570	35.980	7.672	10.920	2.231	2.962		

180-17288-A-2-A 12/30/2012 12:11:31 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:12:13	89.701%	-0.031	229.800	213.100	0.000	121800.000	105400.000	105400.000
2	00:12:54	92.800%	-0.031	219.900	213.300	0.000	120400.000	104500.000	104300.000
3	00:13:36	92.412%	-0.031	227.800	208.700	0.000	120600.000	104700.000	104500.000
x		91.638%	-0.031	225.900	211.700	0.000	120900.000	104900.000	104800.000
σ		1.688%	0.000	5.230	2.634	0.000	772.000	485.300	610.300
%RSD		1.842	0.000	2.316	1.244	0.000	0.638	0.463	0.583
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:12:13	-2.563	7277.000	0.000	13630.000	97230.000	97210.000	70.360%	2.422
2	00:12:54	-2.986	7259.000	0.000	13610.000	97650.000	98360.000	70.325%	1.314
3	00:13:36	-2.869	7268.000	0.000	13610.000	98460.000	98690.000	70.451%	1.827
x		-2.806	7268.000	0.000	13610.000	97780.000	98090.000	70.379%	1.855
σ		0.218	8.904	0.000	13.490	626.100	775.800	0.065%	0.554
%RSD		7.780	0.123	0.000	0.099	0.640	0.791	0.092	29.900
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:12:13	-4.782	1.217	1033.000	13830.000	13860.000	1.246	1.175	2.074
2	00:12:54	-3.388	1.023	1048.000	13860.000	14060.000	1.164	0.967	1.865
3	00:13:36	-5.535	0.961	1046.000	13780.000	14070.000	1.441	1.027	2.103
x		-4.568	1.067	1042.000	13820.000	14000.000	1.284	1.056	2.014
σ		1.089	0.134	8.110	40.010	117.900	0.142	0.107	0.130
%RSD		23.850	12.560	0.778	0.289	0.842	11.090	10.110	6.464
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:12:13	1.726	2.408	1.877	4.103	-1.890	-1.792	0.000	765.600
2	00:12:54	1.877	1.703	2.909	4.728	-1.379	-0.672	0.000	767.200
3	00:13:36	1.408	1.587	2.845	3.261	-1.119	-0.013	0.000	767.100
x		1.670	1.900	2.544	4.030	-1.463	-0.826	0.000	766.600
σ		0.239	0.444	0.578	0.736	0.392	0.900	0.000	0.917
%RSD		14.320	23.380	22.730	18.260	26.820	108.900	0.000	0.120
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:12:13	70.335%	0.253	0.145	68.630%	0.005	-0.001	0.108	0.062
2	00:12:54	71.908%	0.332	0.211	69.947%	-0.001	-0.001	0.018	-0.033
3	00:13:36	72.345%	0.073	0.134	70.396%	-0.001	0.010	0.005	0.026
x		71.529%	0.219	0.163	69.658%	0.001	0.003	0.044	0.018
σ		1.057%	0.133	0.042	0.918%	0.003	0.007	0.056	0.048
%RSD		1.478	60.650	25.450	1.317	421.900	248.700	127.700	258.200
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:12:13	72.478%	3.374	0.035	0.056	184.400	184.600	79.516%	81.003%
2	00:12:54	74.901%	2.975	0.045	0.061	184.400	186.200	80.761%	83.112%
3	00:13:36	75.279%	3.132	0.055	0.060	188.700	183.900	82.427%	83.796%
x		74.220%	3.160	0.045	0.059	185.800	184.900	80.901%	82.637%
σ		1.520%	0.201	0.010	0.002	2.444	1.192	1.461%	1.456%
%RSD		2.048	6.351	22.330	4.162	1.315	0.645	1.806	1.761
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:12:13	0.004	0.005	0.030	0.025	0.033	75.692%		
2	00:12:54	0.010	0.013	0.062	0.032	0.052	79.030%		
3	00:13:36	0.000	0.010	0.031	0.062	0.049	79.577%		
x		0.005	0.009	0.041	0.039	0.045	78.100%		
σ		0.005	0.004	0.018	0.020	0.010	2.103%		
%RSD		102.700	42.900	44.800	49.550	23.100	2.692		

180-17288-A-3-A 12/30/2012 12:15:50 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:16:31	100.415%	0.000	124.700	115.900	0.000	59620.000	56420.000	63130.000
2	00:17:13	104.295%	-0.031	126.400	116.400	0.000	59110.000	62670.000	63190.000
3	00:17:54	106.915%	-0.031	116.100	114.100	0.000	58590.000	62150.000	62540.000
x		103.875%	-0.020	122.400	115.500	0.000	59110.000	60410.000	62950.000
σ		3.270%	0.018	5.514	1.170	0.000	515.800	3470.000	359.500
%RSD		3.148	88.520	4.504	1.013	0.000	0.873	5.744	0.571
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:16:31	-3.763	7647.000	0.000	3597.000	68890.000	68560.000	74.200%	0.965
2	00:17:13	-38.810	7710.000	0.000	3642.000	70570.000	69750.000	75.653%	0.807
3	00:17:54	-4.153	7688.000	0.000	3609.000	70010.000	68960.000	76.958%	1.062
x		-15.580	7682.000	0.000	3616.000	69820.000	69090.000	75.603%	0.945
σ		20.120	32.100	0.000	23.300	853.900	608.100	1.380%	0.129
%RSD		129.200	0.418	0.000	0.644	1.223	0.880	1.825	13.660
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:16:31	-10.530	2.040	2143.000	42.770	138.300	3.008	2.689	1.978
2	00:17:13	-10.380	2.135	2167.000	36.040	118.100	3.156	2.623	1.857
3	00:17:54	-9.677	2.093	2167.000	35.000	127.600	3.081	2.489	1.883
x		-10.200	2.090	2159.000	37.930	128.000	3.082	2.600	1.906
σ		0.457	0.048	13.600	4.219	10.080	0.074	0.102	0.064
%RSD		4.479	2.281	0.630	11.120	7.874	2.395	3.924	3.340
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:16:31	1.731	1.947	2.133	-3.750	-0.161	0.877	0.000	283.700
2	00:17:13	1.917	1.658	1.848	0.661	2.532	2.775	0.000	282.900
3	00:17:54	1.820	1.733	1.747	0.183	1.543	2.375	0.000	285.700
x		1.823	1.779	1.909	-0.968	1.305	2.009	0.000	284.100
σ		0.093	0.150	0.200	2.420	1.362	1.001	0.000	1.460
%RSD		5.088	8.427	10.460	250.000	104.400	49.800	0.000	0.514
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:16:31	71.020%	-0.124	-0.183	73.481%	0.004	-0.001	0.041	0.090
2	00:17:13	73.034%	-0.130	-0.081	76.061%	-0.002	0.009	0.117	0.048
3	00:17:54	73.610%	-0.175	-0.023	77.077%	0.003	-0.007	0.215	0.216
x		72.555%	-0.143	-0.096	75.540%	0.002	0.000	0.124	0.118
σ		1.360%	0.028	0.081	1.854%	0.003	0.008	0.087	0.087
%RSD		1.874	19.390	84.290	2.454	158.000	5190.000	70.280	73.920
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:16:31	77.591%	2.721	0.015	0.037	32.220	32.580	84.409%	86.096%
2	00:17:13	81.401%	2.530	0.050	0.047	32.170	31.520	87.090%	88.372%
3	00:17:54	82.007%	2.650	0.054	0.046	32.220	30.950	89.010%	90.422%
x		80.333%	2.633	0.040	0.043	32.200	31.680	86.837%	88.296%
σ		2.394%	0.097	0.021	0.006	0.031	0.829	2.311%	2.164%
%RSD		2.980	3.672	53.600	13.140	0.095	2.615	2.661	2.451
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:16:31	0.005	0.022	-0.000	0.000	0.009	82.106%		
2	00:17:13	0.001	0.009	0.013	0.011	0.017	85.504%		
3	00:17:54	-0.002	0.018	-0.012	-0.013	0.001	86.519%		
x		0.002	0.017	-0.000	-0.001	0.009	84.710%		
σ		0.004	0.006	0.013	0.012	0.008	2.311%		
%RSD		206.100	38.320	211300.000	1847.000	84.980	2.728		

180-17288-A-4-A 12/30/2012 12:20:08 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:20:50	102.002%	-0.000	117.700	117.700	0.000	60210.000	63700.000	64040.000
2	00:21:32	102.549%	-0.000	120.500	120.000	0.000	60260.000	63840.000	64370.000
3	00:22:13	102.346%	-0.031	124.900	116.000	0.000	60320.000	63720.000	63960.000
x		102.299%	-0.010	121.000	117.900	0.000	60270.000	63750.000	64120.000
σ		0.277%	0.018	3.660	1.998	0.000	55.530	71.760	220.300
%RSD		0.270	171.400	3.024	1.695	0.000	0.092	0.113	0.344

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:20:50	-2.619	7839.000	0.000	3610.000	70520.000	69430.000	75.301%	1.085
2	00:21:32	-29.450	7940.000	0.000	3697.000	70340.000	70030.000	75.538%	1.355
3	00:22:13	-1.237	7907.000	0.000	3666.000	69440.000	69990.000	76.155%	0.935
x		-11.100	7895.000	0.000	3658.000	70100.000	69820.000	75.665%	1.125
σ		15.900	51.090	0.000	43.840	580.000	337.200	0.441%	0.213
%RSD		143.300	0.647	0.000	1.198	0.827	0.483	0.583	18.940

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:20:50	-8.605	2.172	2116.000	37.330	130.000	3.125	2.953	2.238
2	00:21:32	-12.780	2.331	2143.000	40.180	131.600	3.272	2.833	2.187
3	00:22:13	-11.010	2.246	2138.000	43.090	130.300	3.057	4.004	2.362
x		-10.800	2.250	2132.000	40.200	130.700	3.152	3.263	2.262
σ		2.095	0.079	14.340	2.878	0.861	0.110	0.644	0.090
%RSD		19.400	3.533	0.673	7.159	0.659	3.493	19.740	3.978

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:20:50	2.033	2.146	2.321	-0.400	1.621	1.231	0.000	270.500
2	00:21:32	1.892	2.542	1.719	0.335	0.367	0.466	0.000	271.700
3	00:22:13	2.099	2.042	1.795	0.386	1.346	2.195	0.000	271.800
x		2.008	2.243	1.945	0.107	1.111	1.298	0.000	271.300
σ		0.106	0.264	0.328	0.440	0.659	0.866	0.000	0.743
%RSD		5.269	11.770	16.860	410.700	59.310	66.780	0.000	0.274

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:20:50	75.058%	-0.001	-0.008	73.680%	-0.001	-0.001	0.012	-0.046
2	00:21:32	76.763%	-0.092	0.004	74.933%	0.004	-0.002	0.044	-0.030
3	00:22:13	77.422%	-0.023	0.010	75.468%	0.019	0.014	-0.030	-0.050
x		76.414%	-0.039	0.002	74.693%	0.007	0.004	0.009	-0.042
σ		1.220%	0.047	0.009	0.918%	0.010	0.009	0.037	0.011
%RSD		1.596	122.900	514.900	1.229	149.000	242.100	432.500	25.150

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:20:50	77.416%	3.169	0.064	0.079	30.460	31.990	84.144%	85.398%
2	00:21:32	78.945%	3.293	0.063	0.083	32.750	33.850	85.337%	87.326%
3	00:22:13	80.183%	3.007	0.066	0.075	34.480	32.300	86.986%	87.617%
x		78.848%	3.156	0.064	0.079	32.560	32.710	85.489%	86.780%
σ		1.386%	0.144	0.002	0.004	2.016	0.997	1.427%	1.206%
%RSD		1.758	4.549	3.030	5.447	6.190	3.047	1.670	1.390

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:20:50	-0.003	0.021	0.007	0.030	0.022	80.948%
2	00:21:32	0.008	0.016	0.024	-0.005	0.018	83.777%
3	00:22:13	0.001	0.005	0.045	0.019	0.042	85.584%
x		0.002	0.014	0.026	0.015	0.027	83.436%
σ		0.006	0.008	0.019	0.018	0.013	2.337%
%RSD		285.700	59.920	73.250	118.900	47.740	2.801

CCV 664806 12/30/2012 12:27:16 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:27:58	77.562%	99.460	94.160	95.280	0.000	46970.000	40670.000	40850.000
2	00:28:40	80.022%	100.400	95.170	93.180	0.000	46110.000	40500.000	40960.000
3	00:29:21	78.699%	99.820	92.230	94.830	0.000	46930.000	41430.000	41630.000
x		78.761%	99.886%	93.855%	94.430%	0.000	93.340%	81.730%	82.298%
σ		1.231%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.563	0.467	1.595	1.170	0.000	1.039	1.209	1.030

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:27:58	453.200	4800.000	0.000	48340.000	48710.000	47090.000	71.991%	95.550
2	00:28:40	461.000	4805.000	0.000	47870.000	46940.000	47440.000	73.867%	96.420
3	00:29:21	465.700	4895.000	0.000	47940.000	48420.000	47530.000	75.071%	104.200
x		91.996%	96.670%	0.000	96.105%	96.054%	94.705%	73.643%	98.740%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.553%	n/a
%RSD		1.376	1.108	0.000	0.528	1.975	0.486	2.108	4.848

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:27:58	96.260	98.780	477.900	24750.000	24220.000	100.600	103.500	100.100
2	00:28:40	97.330	98.480	483.000	24550.000	24500.000	100.900	102.500	102.700
3	00:29:21	100.100	98.020	482.300	24450.000	24460.000	98.550	100.800	103.400
x		97.907%	98.430%	96.216%	98.340%	97.583%	99.990%	102.255%	102.070%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		2.047	0.389	0.580	0.616	0.617	1.256	1.355	1.720

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:27:58	99.450	99.360	99.800	98.000	87.580	102.200	0.000	97.120
2	00:28:40	101.600	100.100	100.600	96.620	97.410	95.800	0.000	97.460
3	00:29:21	99.610	102.600	100.500	101.900	87.200	100.300	0.000	96.630
x		100.231%	100.710%	100.299%	98.836%	90.728%	99.459%	0.000	97.071%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.211	1.697	0.432	2.760	6.382	3.327	0.000	0.429

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:27:58	72.481%	95.410	97.220	71.581%	97.540	97.880	95.530	96.350
2	00:28:40	74.484%	98.830	101.100	74.392%	98.650	97.140	98.180	95.550
3	00:29:21	76.299%	100.100	103.200	75.663%	98.920	98.740	98.580	97.510
x		74.421%	98.122%	100.501%	73.878%	98.370%	97.916%	97.431%	96.472%
σ		1.909%	n/a	n/a	2.089%	n/a	n/a	n/a	n/a
%RSD		2.566	2.485	3.009	2.828	0.742	0.818	1.699	1.020

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:27:58	74.207%	98.140	97.420	97.640	96.950	95.130	79.576%	79.510%
2	00:28:40	77.714%	98.360	97.400	97.750	98.200	95.920	81.475%	83.089%
3	00:29:21	78.649%	99.400	98.390	97.460	98.070	98.320	82.668%	84.175%
x		76.857%	98.635%	97.740%	97.619%	97.741%	96.455%	81.240%	82.258%
σ		2.342%	n/a	n/a	n/a	n/a	n/a	1.559%	2.441%
%RSD		3.047	0.683	0.580	0.152	0.705	1.720	1.919	2.967

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:27:58	102.100	101.000	102.200	102.300	102.600	75.956%
2	00:28:40	102.200	101.700	102.900	103.400	103.000	79.075%
3	00:29:21	102.000	101.500	102.500	102.700	102.400	80.622%
x		102.093%	101.395%	102.549%	102.779%	102.672%	78.551%
σ		n/a	n/a	n/a	n/a	n/a	2.377%
%RSD		0.128	0.369	0.359	0.516	0.300	3.026

CCB9 12/30/2012 12:34:25 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:35:07	81.858%	0.043	1.780	2.169	0.000	-53.290	12.930	12.890
2	00:35:48	82.689%	-0.031	0.430	1.441	0.000	-54.780	15.430	13.160
3	00:36:30	82.038%	-0.031	1.908	1.563	0.000	-51.000	14.550	14.180
x		82.195%	-0.006	1.373	1.724	0.000	-53.030	14.300	13.410
σ		0.437%	0.043	0.819	0.390	0.000	1.903	1.269	0.680
%RSD		0.532	712.600	59.650	22.620	0.000	3.589	8.875	5.070
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:35:07	-2.830	3.091	0.000	-3.550	23.110	25.410	86.552%	0.153
2	00:35:48	-2.910	2.503	0.000	-3.233	49.100	26.930	86.644%	0.213
3	00:36:30	-2.839	2.717	0.000	-3.492	38.870	25.520	86.280%	0.154
x		-2.860	2.770	0.000	-3.425	37.020	25.950	86.492%	0.173
σ		0.044	0.298	0.000	0.169	13.090	0.846	0.189%	0.034
%RSD		1.538	10.750	0.000	4.934	35.360	3.261	0.218	19.790
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:35:07	0.116	-0.020	0.198	14.550	25.470	0.006	0.090	0.325
2	00:35:48	-0.050	0.007	0.158	9.965	22.020	0.009	0.049	0.539
3	00:36:30	0.034	0.020	0.170	7.796	15.590	0.033	0.151	0.570
x		0.033	0.002	0.175	10.770	21.030	0.016	0.097	0.478
σ		0.083	0.020	0.021	3.449	5.011	0.015	0.051	0.133
%RSD		251.700	1066.000	11.820	32.020	23.830	91.560	52.760	27.880
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:35:07	0.570	0.583	0.226	-0.095	-0.828	-0.108	0.000	0.308
2	00:35:48	0.404	0.693	0.289	-0.641	-1.429	-1.881	0.000	0.261
3	00:36:30	0.323	0.535	0.420	-0.576	-1.547	-1.325	0.000	0.352
x		0.432	0.604	0.312	-0.438	-1.268	-1.105	0.000	0.307
σ		0.126	0.081	0.099	0.298	0.386	0.907	0.000	0.045
%RSD		29.050	13.360	31.680	68.130	30.410	82.070	0.000	14.820
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:35:07	82.356%	0.150	0.136	82.962%	0.021	0.023	0.102	0.043
2	00:35:48	82.868%	0.082	0.226	83.979%	0.049	0.023	-0.008	0.041
3	00:36:30	83.031%	-0.061	0.177	84.508%	0.030	0.042	-0.058	-0.141
x		82.752%	0.057	0.180	83.816%	0.033	0.029	0.012	-0.019
σ		0.352%	0.108	0.045	0.786%	0.014	0.011	0.082	0.106
%RSD		0.425	189.700	25.090	0.937	41.630	38.000	691.000	545.200
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:35:07	82.652%	0.540	0.034	0.073	-0.038	0.107	84.188%	84.310%
2	00:35:48	83.978%	0.274	0.058	0.013	0.092	0.151	84.674%	85.157%
3	00:36:30	84.303%	0.470	0.078	0.006	-0.040	0.179	86.463%	86.852%
x		83.644%	0.428	0.057	0.031	0.005	0.145	85.108%	85.440%
σ		0.875%	0.138	0.022	0.037	0.076	0.036	1.198%	1.295%
%RSD		1.046	32.250	38.970	120.400	1502.000	25.100	1.408	1.515
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:35:07	0.040	0.071	0.046	0.044	0.047	84.869%		
2	00:35:48	0.031	0.052	0.031	0.019	0.036	85.602%		
3	00:36:30	0.039	0.038	0.037	0.031	0.033	86.161%		
x		0.037	0.054	0.038	0.031	0.039	85.544%		
σ		0.005	0.017	0.007	0.012	0.007	0.648%		
%RSD		13.910	31.130	19.710	39.500	18.140	0.758		

180-17288-A-5-A 12/30/2012 12:38:43 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:39:24	83.287%	-0.031	43.310	44.310	0.000	196000.000	45960.000	46170.000
2	00:40:06	83.867%	-0.031	48.240	43.880	0.000	194400.000	46360.000	46670.000
3	00:40:48	86.962%	-0.031	45.210	43.600	0.000	189400.000	45600.000	46040.000
x		84.705%	-0.031	45.590	43.930	0.000	193300.000	45970.000	46290.000
σ		1.976%	0.000	2.487	0.358	0.000	3445.000	382.000	335.700
%RSD		2.332	0.000	5.456	0.816	0.000	1.782	0.831	0.725

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:39:24	-3.330	10590.000	0.000	2166.000	52120.000	51690.000	64.433%	2.330
2	00:40:06	-3.430	10620.000	0.000	2195.000	53790.000	52370.000	65.202%	1.901
3	00:40:48	-3.946	10470.000	0.000	2184.000	52690.000	51960.000	65.945%	1.799
x		-3.569	10560.000	0.000	2182.000	52870.000	52010.000	65.193%	2.010
σ		0.331	81.920	0.000	14.870	850.900	338.100	0.756%	0.282
%RSD		9.268	0.776	0.000	0.682	1.610	0.650	1.160	14.000

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:39:24	-3.616	0.512	3519.000	39850.000	39410.000	0.124	0.851	1.721
2	00:40:06	-3.274	0.265	3551.000	39280.000	40030.000	0.111	0.526	1.970
3	00:40:48	-4.148	0.564	3548.000	38570.000	39710.000	0.090	0.804	2.280
x		-3.680	0.447	3540.000	39230.000	39710.000	0.108	0.727	1.990
σ		0.441	0.159	17.540	643.100	309.000	0.017	0.176	0.280
%RSD		11.980	35.650	0.496	1.639	0.778	16.110	24.170	14.090

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:39:24	1.153	1.621	1.486	6.660	1.465	1.596	0.000	525.900
2	00:40:06	1.646	2.418	2.108	1.379	0.435	-2.781	0.000	528.300
3	00:40:48	1.999	1.912	2.512	4.672	-0.954	-0.575	0.000	523.700
x		1.599	1.983	2.036	4.237	0.315	-0.587	0.000	526.000
σ		0.425	0.404	0.517	2.667	1.214	2.188	0.000	2.283
%RSD		26.560	20.350	25.380	62.950	384.900	373.100	0.000	0.434

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:39:24	65.102%	0.233	0.429	63.312%	0.011	0.006	-0.020	-0.122
2	00:40:06	67.212%	0.151	0.226	65.499%	0.005	-0.007	-0.082	-0.157
3	00:40:48	68.859%	-0.081	0.147	66.742%	-0.001	0.011	-0.177	-0.139
x		67.058%	0.101	0.267	65.184%	0.005	0.003	-0.093	-0.139
σ		1.884%	0.163	0.145	1.736%	0.006	0.009	0.079	0.017
%RSD		2.809	161.200	54.330	2.664	117.800	284.200	85.350	12.310

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:39:24	68.286%	5.975	0.020	0.054	130.100	134.400	75.012%	75.599%
2	00:40:06	70.023%	4.794	0.061	0.044	137.600	132.100	77.801%	78.937%
3	00:40:48	71.984%	4.079	0.059	0.042	133.100	132.800	78.403%	80.740%
x		70.098%	4.949	0.047	0.047	133.600	133.100	77.072%	78.425%
σ		1.850%	0.958	0.023	0.006	3.779	1.178	1.809%	2.608%
%RSD		2.639	19.350	48.960	13.630	2.828	0.885	2.347	3.326

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:39:24	0.037	0.042	0.439	0.566	0.510	71.858%
2	00:40:06	0.024	0.029	0.476	0.367	0.419	75.681%
3	00:40:48	0.023	0.027	0.470	0.512	0.480	77.810%
x		0.028	0.032	0.462	0.482	0.470	75.116%
σ		0.008	0.008	0.020	0.103	0.047	3.016%
%RSD		27.640	24.670	4.315	21.310	9.908	4.015

180-17288-A-6-A 12/30/2012 12:42:59 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:43:41	83.854%	-0.031	99.190	96.530	0.000	112900.000	37760.000	37970.000
2	00:44:22	86.297%	-0.031	101.200	97.650	0.000	111000.000	37510.000	37690.000
3	00:45:04	86.113%	0.005	105.300	100.300	0.000	111800.000	37930.000	38100.000
x		85.421%	-0.019	101.900	98.160	0.000	111900.000	37730.000	37920.000
σ		1.361%	0.021	3.144	1.942	0.000	926.200	213.300	213.300
%RSD		1.593	112.100	3.085	1.979	0.000	0.828	0.565	0.563
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:43:41	3.493	5470.000	0.000	5457.000	49840.000	50300.000	64.997%	2.703
2	00:44:22	2.452	5426.000	0.000	5449.000	50590.000	50300.000	65.840%	2.510
3	00:45:04	2.761	5455.000	0.000	5495.000	50900.000	50440.000	66.249%	2.651
x		2.902	5450.000	0.000	5467.000	50440.000	50350.000	65.696%	2.621
σ		0.535	22.800	0.000	24.780	545.900	84.840	0.638%	0.100
%RSD		18.420	0.418	0.000	0.453	1.082	0.169	0.972	3.804
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:43:41	-4.321	0.342	642.000	28080.000	28220.000	0.230	1.213	3.738
2	00:44:22	-3.710	0.480	647.000	27780.000	28370.000	0.222	1.082	3.727
3	00:45:04	-4.767	0.521	649.000	27790.000	28650.000	0.186	0.864	3.774
x		-4.266	0.448	646.000	27880.000	28410.000	0.213	1.053	3.746
σ		0.530	0.093	3.597	173.000	217.800	0.023	0.176	0.025
%RSD		12.430	20.870	0.557	0.621	0.766	10.950	16.720	0.660
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:43:41	3.380	4.107	4.041	13.070	-1.647	-1.919	0.000	406.700
2	00:44:22	4.005	3.625	5.009	12.670	-1.243	-0.997	0.000	411.000
3	00:45:04	3.645	3.258	4.121	14.080	-0.262	-1.630	0.000	414.100
x		3.676	3.663	4.390	13.270	-1.051	-1.515	0.000	410.600
σ		0.314	0.426	0.537	0.724	0.712	0.471	0.000	3.718
%RSD		8.537	11.620	12.230	5.456	67.770	31.100	0.000	0.906
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:43:41	68.213%	0.048	-0.036	66.508%	0.005	0.005	-0.057	-0.013
2	00:44:22	68.928%	-0.114	0.007	68.150%	-0.001	-0.001	-0.095	-0.076
3	00:45:04	69.420%	-0.007	0.023	68.799%	0.004	-0.001	-0.011	-0.074
x		68.853%	-0.025	-0.002	67.819%	0.003	0.001	-0.054	-0.054
σ		0.607%	0.083	0.031	1.180%	0.003	0.004	0.042	0.036
%RSD		0.881	337.100	1406.000	1.741	116.300	365.200	76.560	66.310
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:43:41	71.132%	3.097	0.066	0.118	259.600	260.500	78.941%	79.454%
2	00:44:22	72.871%	2.668	0.116	0.181	262.800	257.800	79.787%	82.222%
3	00:45:04	73.420%	3.551	0.126	0.135	264.700	261.200	81.612%	82.698%
x		72.474%	3.105	0.102	0.145	262.400	259.800	80.113%	81.458%
σ		1.195%	0.441	0.032	0.033	2.557	1.768	1.365%	1.751%
%RSD		1.648	14.220	31.370	22.530	0.975	0.681	1.704	2.150
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:43:41	0.020	0.004	5.460	5.666	5.440	76.484%		
2	00:44:22	-0.006	0.003	5.385	5.123	5.331	79.472%		
3	00:45:04	0.006	0.004	4.977	5.362	5.207	80.714%		
x		0.007	0.003	5.274	5.384	5.326	78.890%		
σ		0.013	0.001	0.260	0.272	0.116	2.174%		
%RSD		197.100	15.690	4.928	5.059	2.186	2.756		

180-17288-A-6-A SD@5 12/30/2012 12:47:15 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:47:56	78.838%	0.008	18.210	21.140	0.000	23410.000	7658.000	7691.000
2	00:48:38	81.465%	-0.031	21.070	20.580	0.000	22840.000	7576.000	7611.000
3	00:49:20	81.345%	-0.031	18.080	19.810	0.000	22880.000	7525.000	7593.000
x		80.549%	-0.018	19.120	20.510	0.000	23040.000	7587.000	7632.000
σ		1.484%	0.022	1.690	0.672	0.000	317.500	66.850	51.910
%RSD		1.842	127.400	8.839	3.275	0.000	1.378	0.881	0.680

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:47:56	2.635	1144.000	0.000	1093.000	10170.000	10220.000	69.316%	0.586
2	00:48:38	0.824	1135.000	0.000	1089.000	10240.000	10100.000	69.989%	0.579
3	00:49:20	0.494	1127.000	0.000	1089.000	10540.000	10240.000	69.832%	0.358
x		1.318	1135.000	0.000	1090.000	10320.000	10190.000	69.712%	0.508
σ		1.152	8.738	0.000	2.119	193.200	72.900	0.352%	0.130
%RSD		87.460	0.770	0.000	0.194	1.873	0.716	0.505	25.530

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:47:56	-0.852	0.084	131.300	4838.000	5821.000	0.108	0.446	2.057
2	00:48:38	-0.280	0.047	130.000	4797.000	5747.000	0.032	0.414	2.188
3	00:49:20	-0.521	0.086	131.200	4789.000	5771.000	0.051	0.315	2.483
x		-0.551	0.072	130.900	4808.000	5780.000	0.063	0.392	2.243
σ		0.287	0.022	0.746	25.950	37.670	0.039	0.068	0.218
%RSD		52.100	30.190	0.570	0.540	0.652	62.130	17.330	9.730

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:47:56	2.294	2.656	2.690	2.949	0.305	-1.772	0.000	82.630
2	00:48:38	1.652	1.938	1.399	1.591	-1.130	-1.711	0.000	82.990
3	00:49:20	1.612	2.004	2.042	2.935	-2.068	-0.774	0.000	83.740
x		1.853	2.199	2.044	2.492	-0.964	-1.419	0.000	83.120
σ		0.383	0.397	0.646	0.780	1.195	0.560	0.000	0.569
%RSD		20.670	18.050	31.600	31.310	124.000	39.450	0.000	0.685

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:47:56	71.407%	-0.049	-0.054	72.321%	0.020	0.021	-0.051	-0.040
2	00:48:38	72.850%	-0.010	-0.014	73.826%	0.024	0.021	0.069	-0.013
3	00:49:20	72.259%	-0.142	-0.050	74.218%	0.009	0.004	0.031	-0.056
x		72.172%	-0.067	-0.040	73.455%	0.018	0.015	0.016	-0.036
σ		0.725%	0.068	0.022	1.001%	0.008	0.010	0.061	0.022
%RSD		1.005	101.200	55.260	1.363	44.910	63.710	372.000	59.630

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:47:56	74.335%	2.639	0.074	0.047	54.980	55.120	78.714%	80.459%
2	00:48:38	76.445%	2.725	0.044	0.024	54.110	52.720	80.944%	81.279%
3	00:49:20	76.417%	2.123	0.038	0.017	52.620	51.680	81.448%	82.123%
x		75.733%	2.496	0.052	0.029	53.900	53.170	80.369%	81.287%
σ		1.210%	0.326	0.019	0.016	1.192	1.765	1.455%	0.832%
%RSD		1.598	13.050	37.170	54.470	2.211	3.319	1.810	1.023

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:47:56	0.015	0.015	1.003	1.265	1.118	81.897%
2	00:48:38	0.011	0.012	1.017	1.092	1.088	85.005%
3	00:49:20	-0.002	-0.000	1.122	1.104	1.114	86.914%
x		0.008	0.009	1.047	1.154	1.107	84.605%
σ		0.009	0.008	0.065	0.096	0.016	2.532%
%RSD		106.100	89.220	6.219	8.324	1.478	2.993

180-17288-A-6-B MS 12/30/2012 12:51:31 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:13	86.117%	50.610	1076.000	1022.000	0.000	157900.000	87600.000	87900.000
2	00:52:54	86.665%	51.840	1072.000	1044.000	0.000	157600.000	87880.000	87720.000
3	00:53:37	88.510%	50.950	1067.000	1029.000	0.000	156300.000	87020.000	86990.000
x		87.097%	51.130	1072.000	1032.000	0.000	157300.000	87500.000	87540.000
σ		1.254%	0.635	4.571	10.900	0.000	856.200	442.000	481.400
%RSD		1.439	1.241	0.427	1.057	0.000	0.544	0.505	0.550

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:13	1720.000	14390.000	0.000	52630.000	100000.000	98680.000	66.161%	955.500
2	00:52:54	1717.000	14540.000	0.000	52420.000	99730.000	99980.000	66.980%	953.100
3	00:53:37	1715.000	14450.000	0.000	52160.000	99630.000	99860.000	67.261%	944.300
x		1717.000	14460.000	0.000	52400.000	99790.000	99510.000	66.801%	951.000
σ		2.456	72.340	0.000	237.200	186.500	717.200	0.571%	5.904
%RSD		0.143	0.500	0.000	0.453	0.187	0.721	0.855	0.621

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:13	477.300	194.100	1136.000	29380.000	29970.000	472.400	473.100	231.900
2	00:52:54	479.300	196.200	1145.000	29030.000	29960.000	472.100	467.800	233.900
3	00:53:37	476.400	195.500	1147.000	28900.000	30120.000	474.900	474.400	231.500
x		477.600	195.300	1143.000	29100.000	30010.000	473.100	471.800	232.400
σ		1.473	1.061	6.112	249.400	89.930	1.532	3.481	1.322
%RSD		0.308	0.543	0.535	0.857	0.300	0.324	0.738	0.569

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:13	230.100	479.900	474.600	48.060	6.425	9.026	0.000	1366.000
2	00:52:54	228.200	468.800	479.900	45.680	6.557	10.210	0.000	1357.000
3	00:53:37	231.200	478.700	489.300	48.760	9.545	8.325	0.000	1379.000
x		229.800	475.800	481.300	47.500	7.509	9.186	0.000	1367.000
σ		1.506	6.105	7.452	1.616	1.764	0.951	0.000	10.930
%RSD		0.655	1.283	1.548	3.402	23.500	10.360	0.000	0.799

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:13	68.423%	999.900	1006.000	65.975%	48.150	47.560	48.820	39.710
2	00:52:54	70.743%	999.400	1017.000	67.673%	48.500	47.340	46.680	39.850
3	00:53:37	70.372%	1021.000	1032.000	67.729%	49.560	48.120	49.470	40.520
x		69.846%	1007.000	1018.000	67.126%	48.730	47.670	48.320	40.030
σ		1.246%	12.350	12.820	0.997%	0.734	0.400	1.461	0.433
%RSD		1.784	1.227	1.259	1.485	1.506	0.839	3.023	1.083

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:13	70.824%	1938.000	487.500	484.600	2168.000	2161.000	77.076%	80.302%
2	00:52:54	72.888%	1941.000	483.900	489.500	2155.000	2137.000	81.595%	82.652%
3	00:53:37	72.845%	1986.000	496.400	492.100	2183.000	2164.000	82.419%	83.790%
x		72.186%	1955.000	489.300	488.700	2169.000	2154.000	80.364%	82.248%
σ		1.179%	26.490	6.409	3.768	14.010	14.590	2.877%	1.779%
%RSD		1.634	1.355	1.310	0.771	0.646	0.678	3.579	2.163

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:13	48.530	47.530	25.940	25.940	25.840	77.507%
2	00:52:54	47.430	47.180	25.370	25.260	25.490	82.161%
3	00:53:37	49.170	48.450	26.960	25.880	26.460	81.216%
x		48.370	47.720	26.090	25.690	25.930	80.295%
σ		0.879	0.655	0.805	0.380	0.489	2.460%
%RSD		1.818	1.373	3.085	1.478	1.884	3.064

180-17288-A-6-C MSD 12/30/2012 12:55:48 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:56:30	85.843%	50.580	1090.000	1024.000	0.000	154400.000	86290.000	86540.000
2	00:57:12	86.770%	52.490	1080.000	1029.000	0.000	152800.000	85510.000	85820.000
3	00:57:53	87.392%	51.870	1081.000	1026.000	0.000	151700.000	85030.000	85000.000
x		86.669%	51.650	1083.000	1026.000	0.000	153000.000	85610.000	85790.000
σ		0.779%	0.977	5.606	2.881	0.000	1367.000	631.900	772.900
%RSD		0.899	1.892	0.518	0.281	0.000	0.894	0.738	0.901

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:56:30	1691.000	14460.000	0.000	51750.000	97300.000	96310.000	67.090%	936.800
2	00:57:12	1697.000	14480.000	0.000	51440.000	97830.000	96770.000	67.995%	958.600
3	00:57:53	1688.000	14410.000	0.000	50970.000	96160.000	96770.000	68.008%	941.300
x		1692.000	14450.000	0.000	51390.000	97100.000	96620.000	67.698%	945.600
σ		4.780	36.290	0.000	392.600	851.200	267.100	0.526%	11.510
%RSD		0.283	0.251	0.000	0.764	0.877	0.276	0.777	1.218

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:56:30	468.200	192.900	1099.000	28250.000	28830.000	473.000	465.000	231.200
2	00:57:12	475.600	190.700	1101.000	27930.000	29120.000	474.200	463.900	234.700
3	00:57:53	472.600	192.000	1107.000	27890.000	28930.000	472.300	471.500	228.600
x		472.100	191.900	1102.000	28020.000	28960.000	473.200	466.800	231.500
σ		3.727	1.130	4.528	194.500	148.300	0.931	4.088	3.032
%RSD		0.789	0.589	0.411	0.694	0.512	0.197	0.876	1.310

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:56:30	234.600	461.800	464.000	47.810	7.238	12.070	0.000	1346.000
2	00:57:12	233.000	469.900	466.900	49.240	9.140	7.026	0.000	1341.000
3	00:57:53	232.300	464.900	460.800	51.080	7.844	7.043	0.000	1338.000
x		233.300	465.500	463.900	49.380	8.074	8.713	0.000	1342.000
σ		1.182	4.094	3.066	1.641	0.972	2.908	0.000	3.764
%RSD		0.507	0.880	0.661	3.324	12.040	33.370	0.000	0.281

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:56:30	68.530%	996.400	1004.000	66.549%	47.990	46.600	46.800	39.500
2	00:57:12	69.978%	1006.000	1021.000	67.809%	47.370	47.210	44.870	37.290
3	00:57:53	70.189%	1001.000	1016.000	68.288%	46.430	48.040	46.470	39.130
x		69.566%	1001.000	1014.000	67.549%	47.260	47.280	46.050	38.640
σ		0.903%	4.735	8.490	0.898%	0.786	0.724	1.031	1.186
%RSD		1.298	0.473	0.838	1.330	1.663	1.531	2.239	3.069

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:56:30	71.370%	1925.000	479.000	478.100	2130.000	2111.000	79.606%	80.982%
2	00:57:12	72.979%	1934.000	480.400	478.300	2118.000	2097.000	81.833%	83.384%
3	00:57:53	72.941%	1932.000	482.100	483.800	2146.000	2116.000	81.453%	83.275%
x		72.430%	1930.000	480.500	480.100	2132.000	2108.000	80.964%	82.547%
σ		0.918%	4.535	1.595	3.221	14.070	9.915	1.191%	1.357%
%RSD		1.267	0.235	0.332	0.671	0.660	0.470	1.471	1.643

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:56:30	48.600	47.880	25.400	25.030	25.250	77.646%
2	00:57:12	49.020	47.250	25.310	25.460	25.380	80.977%
3	00:57:53	48.980	48.390	25.320	25.510	25.320	80.591%
x		48.870	47.840	25.340	25.330	25.320	79.738%
σ		0.235	0.569	0.053	0.266	0.061	1.822%
%RSD		0.482	1.190	0.208	1.048	0.241	2.285

180-17288-A-7-A 12/30/2012 1:00:05 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:00:47	86.571%	0.005	61.210	63.450	0.000	15300.000	15700.000	15710.000
2	01:01:28	87.795%	0.040	68.720	62.130	0.000	15400.000	15890.000	15940.000
3	01:02:10	90.677%	-0.031	60.590	58.690	0.000	15080.000	15660.000	15680.000
x		88.348%	0.005	63.510	61.420	0.000	15260.000	15750.000	15780.000
σ		2.108%	0.035	4.524	2.458	0.000	163.100	119.600	144.500
%RSD		2.386	711.500	7.124	4.002	0.000	1.069	0.760	0.916
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:00:47	55.960	6120.000	0.000	5277.000	64410.000	62920.000	66.302%	7.266
2	01:01:28	56.080	6221.000	0.000	5357.000	63530.000	64390.000	66.475%	5.995
3	01:02:10	52.780	6114.000	0.000	5300.000	64500.000	63560.000	66.775%	5.654
x		54.940	6152.000	0.000	5311.000	64150.000	63620.000	66.517%	6.305
σ		1.872	60.340	0.000	40.910	531.900	738.300	0.239%	0.849
%RSD		3.407	0.981	0.000	0.770	0.829	1.160	0.360	13.470
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:00:47	1.063	1.333	311.600	2433.000	3071.000	0.524	1.438	3.748
2	01:01:28	-0.539	1.477	316.000	2451.000	3108.000	0.322	1.663	4.556
3	01:02:10	-2.704	1.272	313.400	2428.000	3044.000	0.266	1.359	4.159
x		-0.727	1.361	313.700	2437.000	3074.000	0.371	1.487	4.154
σ		1.891	0.106	2.187	12.170	32.310	0.136	0.158	0.404
%RSD		260.200	7.750	0.697	0.499	1.051	36.680	10.620	9.728
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:00:47	4.184	3.625	3.378	-1.007	-1.519	-1.695	0.000	353.200
2	01:01:28	3.892	3.704	3.815	0.413	-0.408	-1.291	0.000	360.400
3	01:02:10	3.930	2.796	3.533	3.258	-2.004	-1.985	0.000	354.300
x		4.002	3.375	3.576	0.888	-1.311	-1.657	0.000	356.000
σ		0.159	0.503	0.221	2.172	0.818	0.348	0.000	3.888
%RSD		3.962	14.910	6.188	244.600	62.430	21.030	0.000	1.092
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:00:47	68.360%	5.416	5.212	67.880%	0.027	0.034	0.157	0.048
2	01:01:28	69.414%	3.099	3.284	69.490%	0.010	0.010	-0.086	-0.137
3	01:02:10	70.453%	2.483	2.103	69.713%	0.004	0.005	0.008	-0.132
x		69.409%	3.666	3.533	69.028%	0.014	0.016	0.026	-0.073
σ		1.046%	1.546	1.569	1.000%	0.012	0.016	0.122	0.105
%RSD		1.508	42.180	44.420	1.449	85.690	95.810	462.200	143.400
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:00:47	72.944%	11.030	0.444	0.477	55.500	54.080	78.758%	79.081%
2	01:01:28	73.489%	7.757	0.320	0.290	55.990	56.500	80.192%	81.514%
3	01:02:10	74.572%	6.816	0.259	0.220	55.730	55.380	81.144%	82.525%
x		73.668%	8.533	0.341	0.329	55.740	55.320	80.031%	81.040%
σ		0.829%	2.209	0.094	0.133	0.246	1.211	1.201%	1.770%
%RSD		1.125	25.890	27.670	40.460	0.441	2.189	1.501	2.184
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	01:00:47	0.569	0.571	0.244	0.268	0.300	79.125%		
2	01:01:28	0.424	0.369	0.298	0.280	0.309	81.777%		
3	01:02:10	0.305	0.265	0.259	0.331	0.289	83.485%		
x		0.433	0.402	0.267	0.293	0.299	81.462%		
σ		0.132	0.156	0.028	0.034	0.010	2.197%		
%RSD		30.530	38.840	10.580	11.560	3.267	2.697		

180-17288-A-8-A 12/30/2012 1:04:23 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:05:05	82.624%	0.120	91.370	84.020	0.000	129000.000	19530.000	19700.000
2	01:05:46	83.376%	0.007	92.500	86.850	0.000	128000.000	19630.000	19720.000
3	01:06:28	84.977%	0.079	90.740	85.710	0.000	127700.000	19580.000	19730.000
x		83.659%	0.069	91.540	85.530	0.000	128200.000	19580.000	19720.000
σ		1.201%	0.057	0.894	1.421	0.000	690.700	50.480	18.040
%RSD		1.436	83.580	0.976	1.661	0.000	0.539	0.258	0.092

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:05:05	22.480	8233.000	0.000	15230.000	75280.000	75440.000	63.994%	4.937
2	01:05:46	22.260	8260.000	0.000	15220.000	76750.000	75960.000	64.254%	4.915
3	01:06:28	23.300	8276.000	0.000	15200.000	77340.000	76680.000	64.060%	5.171
x		22.680	8256.000	0.000	15220.000	76460.000	76030.000	64.103%	5.008
σ		0.550	22.000	0.000	16.190	1060.000	621.400	0.135%	0.142
%RSD		2.425	0.266	0.000	0.106	1.387	0.817	0.211	2.834

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:05:05	0.092	1.187	5140.000	11240.000	11280.000	0.185	1.466	2.118
2	01:05:46	0.264	1.426	5190.000	11140.000	11450.000	0.334	0.936	2.672
3	01:06:28	-0.815	1.266	5233.000	11180.000	11510.000	0.279	1.198	2.699
x		-0.153	1.293	5187.000	11180.000	11420.000	0.266	1.200	2.496
σ		0.579	0.122	46.660	48.740	120.000	0.075	0.265	0.328
%RSD		378.500	9.431	0.900	0.436	1.051	28.340	22.090	13.140

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:05:05	2.322	6.022	7.333	8.908	-1.874	0.515	0.000	780.400
2	01:05:46	2.800	6.870	7.468	8.276	-2.789	-0.804	0.000	786.100
3	01:06:28	2.563	5.903	6.849	7.434	-0.430	-0.763	0.000	786.800
x		2.561	6.265	7.217	8.206	-1.697	-0.351	0.000	784.400
σ		0.239	0.528	0.325	0.739	1.189	0.750	0.000	3.482
%RSD		9.329	8.419	4.510	9.010	70.060	213.900	0.000	0.444

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:05:05	65.963%	0.737	0.837	64.021%	0.017	0.006	0.023	-0.092
2	01:05:46	66.979%	0.767	0.904	65.466%	0.011	0.005	-0.096	-0.232
3	01:06:28	67.219%	0.538	0.664	65.469%	0.005	0.005	-0.100	-0.027
x		66.720%	0.681	0.801	64.985%	0.011	0.005	-0.058	-0.117
σ		0.667%	0.124	0.124	0.835%	0.006	0.000	0.070	0.104
%RSD		0.999	18.250	15.460	1.285	55.150	3.262	121.000	89.120

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:05:05	68.898%	4.933	0.275	0.232	179.300	175.600	76.125%	77.221%
2	01:05:46	69.961%	5.282	0.223	0.251	181.700	179.400	77.754%	79.862%
3	01:06:28	71.245%	4.808	0.254	0.201	180.300	177.900	78.985%	79.900%
x		70.035%	5.008	0.251	0.228	180.400	177.700	77.621%	78.994%
σ		1.175%	0.246	0.026	0.025	1.214	1.904	1.435%	1.536%
%RSD		1.678	4.906	10.550	11.120	0.673	1.072	1.849	1.944

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:05:05	0.194	0.214	0.502	0.663	0.568	74.837%
2	01:05:46	0.172	0.156	0.562	0.454	0.526	77.068%
3	01:06:28	0.176	0.144	0.550	0.479	0.517	78.191%
x		0.181	0.171	0.538	0.532	0.537	76.699%
σ		0.012	0.037	0.032	0.114	0.028	1.707%
%RSD		6.654	21.740	5.861	21.410	5.138	2.226

180-17288-A-9-A 12/30/2012 1:08:41 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:09:23	83.211%	-0.031	45.880	45.080	0.000	202200.000	50020.000	50410.000
2	01:10:04	82.763%	0.007	46.610	46.830	0.000	203000.000	51020.000	51330.000
3	01:10:46	85.376%	0.079	50.320	44.480	0.000	200000.000	50510.000	50940.000
x		83.783%	0.018	47.600	45.460	0.000	201700.000	50520.000	50890.000
σ		1.398%	0.055	2.383	1.221	0.000	1559.000	498.200	463.200
%RSD		1.668	304.100	5.005	2.686	0.000	0.773	0.986	0.910

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:09:23	154.600	9649.000	0.000	4035.000	64900.000	65760.000	65.059%	12.180
2	01:10:04	156.700	9771.000	0.000	4094.000	66340.000	66160.000	65.492%	11.070
3	01:10:46	152.600	9631.000	0.000	4098.000	67410.000	66410.000	66.083%	10.890
x		154.600	9684.000	0.000	4076.000	66220.000	66110.000	65.545%	11.380
σ		2.036	76.170	0.000	35.620	1256.000	326.000	0.514%	0.701
%RSD		1.317	0.787	0.000	0.874	1.897	0.493	0.785	6.160

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:09:23	-2.458	0.549	436.700	48310.000	49060.000	0.384	0.920	3.087
2	01:10:04	-2.581	0.690	442.700	48120.000	49720.000	0.312	0.584	3.179
3	01:10:46	-3.002	0.734	441.100	47820.000	49820.000	0.386	1.150	3.239
x		-2.680	0.657	440.200	48080.000	49530.000	0.361	0.884	3.168
σ		0.285	0.097	3.109	244.700	415.800	0.042	0.285	0.076
%RSD		10.640	14.680	0.706	0.509	0.840	11.760	32.170	2.410

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:09:23	2.656	3.970	3.928	12.200	0.258	-0.892	0.000	631.700
2	01:10:04	2.240	3.810	4.019	11.860	-1.092	-0.768	0.000	643.900
3	01:10:46	3.589	3.309	4.114	10.870	-0.135	-0.105	0.000	645.800
x		2.828	3.696	4.020	11.640	-0.323	-0.589	0.000	640.500
σ		0.691	0.345	0.093	0.689	0.695	0.423	0.000	7.668
%RSD		24.430	9.332	2.307	5.913	215.200	71.880	0.000	1.197

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:09:23	67.886%	0.486	0.414	65.288%	0.005	0.011	-0.078	-0.197
2	01:10:04	68.857%	0.313	0.428	66.972%	0.005	0.005	-0.053	-0.010
3	01:10:46	69.833%	0.384	0.439	67.629%	-0.001	-0.007	-0.006	-0.101
x		68.859%	0.395	0.427	66.630%	0.003	0.003	-0.046	-0.103
σ		0.974%	0.087	0.013	1.207%	0.003	0.009	0.036	0.094
%RSD		1.414	22.060	2.929	1.812	113.600	295.900	79.410	91.270

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:09:23	70.094%	4.756	0.193	0.144	226.200	220.600	77.339%	78.188%
2	01:10:04	72.515%	4.521	0.157	0.183	222.600	224.400	78.876%	81.357%
3	01:10:46	72.645%	4.054	0.139	0.182	230.600	222.000	79.976%	82.184%
x		71.751%	4.444	0.163	0.169	226.500	222.300	78.730%	80.576%
σ		1.437%	0.358	0.027	0.022	4.004	1.883	1.324%	2.109%
%RSD		2.003	8.045	16.780	13.190	1.768	0.847	1.682	2.618

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:09:23	0.082	0.087	0.797	0.761	0.730	74.217%
2	01:10:04	0.092	0.092	0.746	0.667	0.743	78.395%
3	01:10:46	0.047	0.069	0.697	0.696	0.726	79.532%
x		0.074	0.083	0.747	0.708	0.733	77.381%
σ		0.024	0.012	0.050	0.048	0.009	2.799%
%RSD		32.190	14.790	6.695	6.817	1.184	3.617

180-17288-A-10-A 12/30/2012 1:12:59 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:13:40	83.083%	0.081	122.600	120.400	0.000	114900.000	30100.000	30150.000
2	01:14:22	85.577%	0.187	118.600	116.700	0.000	113900.000	30280.000	30420.000
3	01:15:03	86.724%	0.113	127.900	113.600	0.000	113000.000	29910.000	30200.000
x		85.128%	0.127	123.100	116.900	0.000	113900.000	30090.000	30260.000
σ		1.862%	0.054	4.684	3.423	0.000	991.500	184.800	142.600
%RSD		2.187	42.800	3.807	2.928	0.000	0.870	0.614	0.471

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:13:40	81.860	10850.000	0.000	7220.000	78380.000	77290.000	66.037%	10.200
2	01:14:22	86.490	10950.000	0.000	7314.000	78940.000	78620.000	66.417%	10.290
3	01:15:03	85.030	10910.000	0.000	7349.000	79030.000	78740.000	66.974%	9.970
x		84.460	10900.000	0.000	7294.000	78780.000	78220.000	66.476%	10.150
σ		2.368	46.890	0.000	67.110	353.900	808.400	0.471%	0.164
%RSD		2.803	0.430	0.000	0.920	0.449	1.034	0.709	1.619

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:13:40	0.752	1.957	523.600	57300.000	58070.000	0.457	3.863	7.266
2	01:14:22	2.003	2.113	530.900	57340.000	59170.000	0.559	4.503	7.395
3	01:15:03	0.918	1.900	531.900	57070.000	59240.000	0.491	3.622	7.557
x		1.224	1.990	528.800	57240.000	58830.000	0.502	3.996	7.406
σ		0.680	0.110	4.527	146.900	658.100	0.052	0.455	0.146
%RSD		55.520	5.544	0.856	0.257	1.119	10.340	11.400	1.964

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:13:40	6.451	34.420	34.180	19.530	-0.513	-0.468	0.000	691.800
2	01:14:22	6.961	31.850	30.640	18.410	-0.424	0.499	0.000	701.300
3	01:15:03	6.970	33.340	36.480	20.660	-0.179	-0.039	0.000	698.500
x		6.794	33.200	33.770	19.530	-0.372	-0.003	0.000	697.200
σ		0.297	1.292	2.946	1.126	0.173	0.484	0.000	4.891
%RSD		4.374	3.892	8.726	5.763	46.600	18840.000	0.000	0.702

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:13:40	68.589%	0.519	0.495	67.177%	-0.001	0.011	0.022	0.040
2	01:14:22	69.839%	0.519	0.556	68.522%	0.054	0.022	0.005	-0.027
3	01:15:03	70.557%	0.495	0.538	69.301%	0.021	0.005	-0.010	-0.078
x		69.662%	0.511	0.530	68.333%	0.025	0.013	0.006	-0.022
σ		0.996%	0.014	0.031	1.075%	0.028	0.009	0.016	0.059
%RSD		1.429	2.744	5.901	1.573	112.300	70.830	279.700	271.700

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:13:40	71.831%	3.605	0.363	0.424	173.200	168.000	78.373%	80.756%
2	01:14:22	73.163%	4.010	0.417	0.509	171.200	172.000	81.888%	83.017%
3	01:15:03	73.742%	3.704	0.404	0.529	169.700	170.300	80.944%	83.495%
x		72.912%	3.773	0.395	0.487	171.400	170.100	80.402%	82.423%
σ		0.980%	0.212	0.028	0.056	1.778	1.981	1.820%	1.463%
%RSD		1.344	5.606	7.201	11.390	1.037	1.165	2.263	1.775

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:13:40	0.065	0.071	1.568	1.518	1.524	77.449%
2	01:14:22	0.089	0.088	1.528	1.465	1.524	80.467%
3	01:15:03	0.072	0.084	1.468	1.376	1.450	81.928%
x		0.076	0.081	1.522	1.453	1.499	79.948%
σ		0.013	0.009	0.050	0.072	0.042	2.284%
%RSD		16.720	10.810	3.300	4.938	2.834	2.857

CCV 664806 12/30/2012 1:20:06 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:20:48	76.065%	103.200	99.320	95.590	0.000	47810.000	40940.000	41030.000
2	01:21:30	77.297%	99.730	94.770	96.790	0.000	46840.000	40930.000	41150.000
3	01:22:11	77.878%	100.300	98.680	94.310	0.000	46580.000	40930.000	41230.000
x		77.080%	101.063%	97.590%	95.564%	0.000	94.154%	81.860%	82.270%
σ		0.926%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.201	1.840	2.520	1.297	0.000	1.369	0.015	0.249

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:20:48	457.100	4872.000	0.000	48620.000	47730.000	46680.000	72.992%	97.390
2	01:21:30	453.300	4851.000	0.000	48320.000	47740.000	47410.000	73.763%	98.090
3	01:22:11	468.600	4844.000	0.000	47960.000	47450.000	46880.000	74.761%	97.390
x		91.937%	97.113%	0.000	96.599%	95.280%	93.980%	73.838%	97.625%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.887%	n/a
%RSD		1.725	0.299	0.000	0.691	0.350	0.805	1.201	0.416

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:20:48	98.100	98.440	475.500	24750.000	24030.000	98.800	98.010	100.900
2	01:21:30	96.640	99.160	481.200	24540.000	24380.000	100.800	103.200	103.300
3	01:22:11	96.730	98.340	478.000	24320.000	24260.000	99.020	103.300	101.800
x		97.156%	98.647%	95.644%	98.139%	96.891%	99.545%	101.484%	101.998%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.842	0.455	0.597	0.869	0.733	1.110	2.963	1.227

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:20:48	102.500	99.370	102.700	100.000	96.440	97.170	0.000	97.940
2	01:21:30	101.400	99.300	102.600	100.400	96.620	102.300	0.000	96.370
3	01:22:11	105.200	102.400	103.100	97.710	92.220	98.460	0.000	97.880
x		103.047%	100.367%	102.791%	99.393%	95.092%	99.315%	0.000	97.398%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.866	1.782	0.251	1.480	2.622	2.695	0.000	0.912

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:20:48	73.136%	98.880	98.690	72.562%	97.610	98.680	96.940	94.860
2	01:21:30	75.823%	98.510	99.880	75.189%	97.810	98.620	98.810	97.830
3	01:22:11	76.007%	103.000	102.700	75.986%	98.900	97.550	98.110	95.540
x		74.989%	100.138%	100.420%	74.579%	98.110%	98.284%	97.953%	96.076%
σ		1.607%	n/a	n/a	1.791%	n/a	n/a	n/a	n/a
%RSD		2.143	2.503	2.043	2.402	0.710	0.652	0.966	1.619

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:20:48	75.077%	99.070	98.460	99.410	95.300	97.730	79.270%	80.212%
2	01:21:30	76.438%	99.860	99.810	100.900	96.950	98.610	81.587%	82.631%
3	01:22:11	78.464%	97.220	97.410	98.630	96.440	97.350	83.749%	84.881%
x		76.660%	98.717%	98.562%	99.661%	96.230%	97.896%	81.535%	82.574%
σ		1.704%	n/a	n/a	n/a	n/a	n/a	2.240%	2.335%
%RSD		2.223	1.370	1.221	1.179	0.876	0.660	2.748	2.828

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:20:48	101.000	101.000	103.900	101.400	102.600	76.239%
2	01:21:30	101.500	101.400	103.700	103.100	103.200	79.334%
3	01:22:11	101.200	100.800	101.600	101.900	102.000	81.278%
x		101.245%	101.095%	103.092%	102.141%	102.578%	78.950%
σ		n/a	n/a	n/a	n/a	n/a	2.542%
%RSD		0.257	0.304	1.253	0.858	0.575	3.219

CCB 10 12/30/2012 1:27:15 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:27:56	90.103%	0.003	0.934	1.943	0.000	-20.830	31.090	31.680
2	01:28:38	90.671%	0.104	0.924	1.881	0.000	26.030	51.910	52.730
3	01:29:20	90.866%	0.003	2.984	1.753	0.000	5.032	45.780	48.070
x		90.547%	0.037	1.614	1.859	0.000	3.412	42.930	44.160
σ		0.396%	0.058	1.187	0.097	0.000	23.470	10.700	11.050
%RSD		0.437	158.800	73.520	5.204	0.000	688.000	24.930	25.030

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:27:56	-0.575	1.698	0.000	8.713	105.500	60.650	86.927%	-0.027
2	01:28:38	3.126	3.571	0.000	26.180	105.800	114.500	86.710%	0.512
3	01:29:20	1.991	3.300	0.000	15.790	135.800	89.090	87.361%	0.091
x		1.514	2.856	0.000	16.890	115.700	88.070	87.000%	0.192
σ		1.896	1.012	0.000	8.785	17.420	26.930	0.331%	0.284
%RSD		125.200	35.450	0.000	52.000	15.050	30.570	0.381	147.700

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:27:56	0.197	0.047	0.606	24.050	36.220	0.093	0.008	0.408
2	01:28:38	0.091	0.173	1.353	31.800	48.810	0.120	0.068	0.620
3	01:29:20	0.123	0.074	1.039	26.590	34.910	0.130	0.147	0.499
x		0.137	0.098	0.999	27.480	39.980	0.114	0.074	0.509
σ		0.054	0.066	0.375	3.952	7.674	0.019	0.070	0.107
%RSD		39.530	67.580	37.570	14.380	19.190	16.690	93.680	20.940

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:27:56	0.401	0.484	0.608	-0.115	-0.748	-1.105	0.000	0.821
2	01:28:38	0.681	0.952	0.486	-0.222	-1.117	-0.526	0.000	1.501
3	01:29:20	0.657	0.879	0.878	0.130	-1.125	-0.660	0.000	1.116
x		0.579	0.772	0.657	-0.069	-0.997	-0.764	0.000	1.146
σ		0.155	0.252	0.201	0.180	0.215	0.303	0.000	0.341
%RSD		26.810	32.640	30.510	260.700	21.610	39.710	0.000	29.760

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:27:56	83.451%	0.164	0.238	86.575%	0.034	0.056	0.099	-0.036
2	01:28:38	84.275%	0.310	0.195	87.276%	0.091	0.084	-0.012	-0.013
3	01:29:20	84.344%	0.233	0.201	87.601%	0.073	0.026	0.061	0.004
x		84.023%	0.236	0.211	87.151%	0.066	0.056	0.049	-0.015
σ		0.497%	0.073	0.023	0.524%	0.029	0.029	0.057	0.020
%RSD		0.591	31.060	10.930	0.601	44.320	52.180	114.900	133.700

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:27:56	83.826%	0.725	0.104	0.065	0.386	0.545	82.725%	83.335%
2	01:28:38	85.266%	0.736	0.097	0.160	0.585	0.625	84.530%	85.430%
3	01:29:20	87.006%	0.638	0.070	0.119	0.294	0.466	84.677%	86.024%
x		85.366%	0.700	0.091	0.115	0.422	0.545	83.977%	84.930%
σ		1.592%	0.054	0.018	0.047	0.149	0.080	1.087%	1.413%
%RSD		1.865	7.685	19.640	41.350	35.240	14.600	1.295	1.663

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:27:56	0.126	0.088	0.056	0.064	0.066	85.004%
2	01:28:38	0.108	0.103	0.072	0.127	0.099	86.509%
3	01:29:20	0.119	0.103	0.068	0.102	0.082	87.318%
x		0.118	0.098	0.066	0.098	0.083	86.277%
σ		0.009	0.009	0.008	0.031	0.016	1.174%
%RSD		7.354	9.265	12.750	32.160	19.860	1.361

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Batch Number: 69294 Batch Start Date: 12/18/12 19:10 Batch Analyst: Jones, Diane

Batch Method: 1311 Batch End Date: 12/19/12 11:15

Lab Sample ID	Client Sample ID	Method Chain	Basis	EXTCLPACETIC 00005	EXTCLPFILTERS 00012	EXTCLPHCLW 00018	EXTCLPNAOH 00010	AnalysisComment	
LB 240-69294/1		1311, 3010A, 6010B/DOD		1 mL	1	1 mL	1 g		
240-18735-C-5	070-0058-0001-ID W	1311, 3010A, 6010B/DOD	P	1 mL	1	1 mL	1 g	DOD - MS/MSD for Metals, MS for Herb	
240-18735-F-6	070-0059-0001-ID W	1311, 3010A, 6010B/DOD	P	1 mL	1	1 mL	1 g	DOD - MS for Pest, MS for BNAs	

Batch Notes	
Tumbler Rotations per Minute	A, B, C = 31rpm

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Batch Number: 69405 Batch Start Date: 12/19/12 12:05 Batch Analyst: McGall, Lisa

Batch Method: 3010A Batch End Date: 12/19/12 20:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MT1to1HCL 00019	MTAGSPIKEW 00024	MTHNO3 00039	MTICP1 00019
LB 240-69294/1-A		3010A, 6010B/DOD		50 mL	50 mL	5 mL		3 mL	
MB 240-69405/2		3010A, 6010B/DOD		50 mL	50 mL	5 mL		3 mL	
LCS 240-69405/3		3010A, 6010B/DOD		50 mL	50 mL	5 mL	1 mL	3 mL	1 mL
240-18735-C-5-B	070-0058-0001-ID W	3010A, 6010B/DOD	P	50 mL	50 mL	5 mL		3 mL	
240-18735-C-5-B MS	070-0058-0001-ID W	3010A, 6010B/DOD	P	50 mL	50 mL	5 mL		3 mL	
240-18735-C-5-B MSD	070-0058-0001-ID W	3010A, 6010B/DOD	P	50 mL	50 mL	5 mL		3 mL	
240-18735-F-6-B	070-0059-0001-ID W	3010A, 6010B/DOD	P	12.5 mL	50 mL	5 mL		3 mL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	MTNONRCRA 00005	MTRCRA 00005	AnalysisComment			
LB 240-69294/1-A		3010A, 6010B/DOD							
MB 240-69405/2		3010A, 6010B/DOD							
LCS 240-69405/3		3010A, 6010B/DOD							
240-18735-C-5-B	070-0058-0001-ID W	3010A, 6010B/DOD	P						
240-18735-C-5-B MS	070-0058-0001-ID W	3010A, 6010B/DOD	P	1 mL	0.5 mL	spiked prior to preservation			
240-18735-C-5-B MSD	070-0058-0001-ID W	3010A, 6010B/DOD	P	1 mL	0.5 mL	spiked prior to preservation			
240-18735-F-6-B	070-0059-0001-ID W	3010A, 6010B/DOD	P			4x dilution due to matrix			

Batch Notes	
Filter Paper Lot Number	7027633
Pipette ID	383363-383364-383389
Digestion Tube/Cup Lot #	1205258

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Batch Number: 69405 Batch Start Date: 12/19/12 12:05 Batch Analyst: McGall, Lisa

Batch Method: 3010A Batch End Date: 12/19/12 20:00

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Batch Number: 69294 Batch Start Date: 12/18/12 19:10 Batch Analyst: Jones, Diane

Batch Method: 1311 Batch End Date: 12/19/12 11:15

Lab Sample ID	Client Sample ID	Method Chain	Basis	EXTCLPACETIC 00005	EXTCLPFILTERS 00012	EXTCLPHCLW 00018	EXTCLPNAOH 00010	AnalysisComment	
LB 240-69294/1		1311, 7470A, 7470A/DOD		1 mL	1	1 mL	1 g		
240-18735-C-5	070-0058-0001-ID W	1311, 7470A, 7470A/DOD	P	1 mL	1	1 mL	1 g	DOD - MS/MSD for Metals, MS for Herb	
240-18735-F-6	070-0059-0001-ID W	1311, 7470A, 7470A/DOD	P	1 mL	1	1 mL	1 g	DOD - MS for Pest, MS for BNAs	

Batch Notes	
Tumbler Rotations per Minute	A, B, C = 31rpm

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Batch Number: 69409 Batch Start Date: 12/20/12 11:20 Batch Analyst: McGall, Lisa

Batch Method: 7470A Batch End Date: 12/20/12 13:20

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTH2S04 00010	MTHGICVW 00452	MTHGICVW 00453	MTHNO3 00039
LB 240-69294/1-A		7470A, 7470A/DOD		100 mL	100 mL	5 mL			2.5 mL
MB 240-69409/2		7470A, 7470A/DOD		100 mL	100 mL	5 mL			2.5 mL
LCS 240-69409/3		7470A, 7470A/DOD		100 mL	100 mL	5 mL		1 mL	2.5 mL
240-18735-C-5-B	070-0058-0001-ID W	7470A, 7470A/DOD	P	100 mL	100 mL	5 mL			2.5 mL
240-18735-C-5-B MS	070-0058-0001-ID W	7470A, 7470A/DOD	P	100 mL	100 mL	5 mL	1 mL		2.5 mL
240-18735-C-5-B MSD	070-0058-0001-ID W	7470A, 7470A/DOD	P	100 mL	100 mL	5 mL	1 mL		2.5 mL
240-18735-F-6-B	070-0059-0001-ID W	7470A, 7470A/DOD	P	100 mL	100 mL	5 mL			2.5 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	MTK2S208RGNT 00031	MTKMnO4Liq 00010	AnalysisComment			
LB 240-69294/1-A		7470A, 7470A/DOD		8 mL	15 mL				
MB 240-69409/2		7470A, 7470A/DOD		8 mL	15 mL				
LCS 240-69409/3		7470A, 7470A/DOD		8 mL	15 mL				
240-18735-C-5-B	070-0058-0001-ID W	7470A, 7470A/DOD	P	8 mL	15 mL				
240-18735-C-5-B MS	070-0058-0001-ID W	7470A, 7470A/DOD	P	8 mL	15 mL	spiked prior to preservation			
240-18735-C-5-B MSD	070-0058-0001-ID W	7470A, 7470A/DOD	P	8 mL	15 mL	spiked prior to preservation			
240-18735-F-6-B	070-0059-0001-ID W	7470A, 7470A/DOD	P	8 mL	15 mL				

Batch Notes	
Pipette ID	383364
Digestion Tube/Cup Lot #	00052865

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Batch Number: 69493 Batch Start Date: 12/19/12 10:24 Batch Analyst: Heakin, David

Batch Method: 7470A Batch End Date: 12/19/12 12:24

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTH2S04 00010	MTHGCALW 00293	MTHGICVW 00452	MTHNO3 00039
ICV 240-69493/7		7470A, 7470A/DOD		100 mL	100 mL	5 mL		0.5 mL	2.5 mL
ICB 240-69493/8		7470A, 7470A/DOD		100 mL	100 mL	5 mL			2.5 mL
CRA 240-69493/9		7470A, 7470A/DOD		100 mL	100 mL	5 mL	0.2 mL		2.5 mL
CCVL 240-69493/10		7470A, 7470A/DOD		100 mL	100 mL	5 mL	5 mL		2.5 mL
CCV 240-69493/11		7470A, 7470A/DOD		100 mL	100 mL	5 mL	5 mL		2.5 mL
CCB 240-69493/12		7470A, 7470A/DOD		100 mL	100 mL	5 mL			2.5 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	MTK2S208RGNT 00031	MTKMnO4Liq 00010				
ICV 240-69493/7		7470A, 7470A/DOD		8 mL	15 mL				
ICB 240-69493/8		7470A, 7470A/DOD		8 mL	15 mL				
CRA 240-69493/9		7470A, 7470A/DOD		8 mL	15 mL				
CCVL 240-69493/10		7470A, 7470A/DOD		8 mL	15 mL				
CCV 240-69493/11		7470A, 7470A/DOD		8 mL	15 mL				
CCB 240-69493/12		7470A, 7470A/DOD		8 mL	15 mL				

Batch Notes	
Pipette ID	383364, 383366
Digestion Tube/Cup Lot #	00052865

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Batch Number: 70255 Batch Start Date: 12/27/12 16:00 Batch Analyst: McGall, Lisa

Batch Method: 7470A Batch End Date: 12/27/12 18:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTH2S04 00011	MTHGICVW 00456	MTHNO3 00039	MTK2S2O8Liq 00017
MB 240-70255/1		7470A, 7470A/DOD		100 mL	100 mL	5 mL		2.5 mL	8 mL
LCS 240-70255/2		7470A, 7470A/DOD		100 mL	100 mL	5 mL	1 mL	2.5 mL	8 mL
240-18735-S-3	070-0056-0001-SOURCE WATER	7470A, 7470A/DOD	T	100 mL	100 mL	5 mL		2.5 mL	8 mL
240-18735-S-4	070-0057-0001-SOURCE WATER	7470A, 7470A/DOD	T	100 mL	100 mL	5 mL		2.5 mL	8 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	MTKMnO4Liq 00010					
MB 240-70255/1		7470A, 7470A/DOD		15 mL					
LCS 240-70255/2		7470A, 7470A/DOD		15 mL					
240-18735-S-3	070-0056-0001-SOURCE WATER	7470A, 7470A/DOD	T	15 mL					
240-18735-S-4	070-0057-0001-SOURCE WATER	7470A, 7470A/DOD	T	15 mL					

Batch Notes	
Pipette ID	432085 383364
Digestion Tube/Cup Lot #	00052609

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Batch Number: 70435 Batch Start Date: 12/28/12 09:20 Batch Analyst: Heakin, David

Batch Method: 7470A Batch End Date: 12/28/12 11:20

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTH2S04 00011	MTHGCALW 00295	MTHGICVW 00457	MTHNO3 00039
ICV 240-70435/7		7470A, 7470A/DOD		100 mL	100 mL	5 mL		0.5 mL	2.5 mL
ICB 240-70435/8		7470A, 7470A/DOD		100 mL	100 mL	5 mL			2.5 mL
CRA 240-70435/9		7470A, 7470A/DOD		100 mL	100 mL	5 mL	0.2 mL		2.5 mL
CCVL 240-70435/10		7470A, 7470A/DOD		100 mL	100 mL	5 mL	5 mL		2.5 mL
CCV 240-70435/11		7470A, 7470A/DOD		100 mL	100 mL	5 mL	5 mL		2.5 mL
CCB 240-70435/12		7470A, 7470A/DOD		100 mL	100 mL	5 mL			2.5 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	MTK2S2O8Liq 00017	MTKMnO4Liq 00010				
ICV 240-70435/7		7470A, 7470A/DOD		8 mL	15 mL				
ICB 240-70435/8		7470A, 7470A/DOD		8 mL	15 mL				
CRA 240-70435/9		7470A, 7470A/DOD		8 mL	15 mL				
CCVL 240-70435/10		7470A, 7470A/DOD		8 mL	15 mL				
CCV 240-70435/11		7470A, 7470A/DOD		8 mL	15 mL				
CCB 240-70435/12		7470A, 7470A/DOD		8 mL	15 mL				

Batch Notes	
Pipette ID	383364, 383366
Digestion Tube/Cup Lot #	00052609

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 240-18735-2

SDG No.:

Batch Number: 59308 Batch Start Date: 12/24/12 10:00 Batch Analyst: Haluck, Caitlyn

Batch Method: 3005A Batch End Date: 12/24/12 14:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAPITTICPMS 00010	MTAPITTMSA 00012	MTAPITTMSC 00016	
MB 180-59308/1		3005A, 6020/DOD		50 mL	50 mL				
LCS 180-59308/2		3005A, 6020/DOD		50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
LCSD 180-59308/3		3005A, 6020/DOD		50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
240-18735-G-3	070-0056-0001-SOURCE WATER	3005A, 6020/DOD	R	50 mL	50 mL				
240-18735-G-4	070-0057-0001-SOURCE WATER	3005A, 6020/DOD	R	50 mL	50 mL				

Batch Notes	
Batch Comment	METALS D1
First End time	1400
Lot # of hydrochloric acid	2.5ML 574080
Lot # of Nitric Acid	1.0ML 683534
Hot Block ID number	#1
Oven, Bath or Block Temperature 1	95
Pipette ID	J1102764U
Person who witnessed spiking	CH
First Start time	1000
ID number of the thermometer	IP1 (0.0) D6
Digestion Tube/Cup Lot #	1207143
Uncorrected Temperature	95 Celsius

Basis	Basis Description
R	Total Recoverable

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18735-2

SDG No.:

Project: RVAAP - ECC

Client Sample ID	Lab Sample ID
070-0058-0001-IDW	240-18735-5
070-0059-0001-IDW	240-18735-6

Comments:

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job Number: 240-18735-2

SDG No.:

Project: RVAAP - ECC

Client Sample ID	Lab Sample ID
070-0056-0001-SOURCE WATER	240-18735-3
070-0057-0001-SOURCE WATER	240-18735-4

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 070-0058-0001-IDW
Lab Sample ID: 240-18735-5
Lab Name: TestAmerica Canton
Job No.: 240-18735-2
SDG ID.:
Matrix: Solid
Date Sampled: 12/12/2012 13:30
Reporting Basis: DRY
Date Received: 12/12/2012 17:07
% Solids: 87.9

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Sulfide	31	34	31	25	mg/Kg	U		1	9034
Cyanide, Total	0.28	0.57	0.28	0.11	mg/Kg	U		1	9012A/Do D

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 070-0058-0001-IDW
Lab Sample ID: 240-18735-5
Lab Name: TestAmerica Canton
Job No.: 240-18735-2
SDG ID.:
Matrix: Solid
Date Sampled: 12/12/2012 13:30
Reporting Basis: WET
Date Received: 12/12/2012 17:07

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Flashpoint	>180	1.00	1.00	1.00	Degrees F			1	1010
Corrosivity	7.68	0.100	0.100	0.100	SU			1	9045C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 070-0059-0001-IDW
Lab Sample ID: 240-18735-6
Lab Name: TestAmerica Canton
Job No.: 240-18735-2
SDG ID.:
Matrix: Water
Date Sampled: 12/12/2012 13:30
Reporting Basis: WET
Date Received: 12/12/2012 17:07

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Flashpoint	>180	1.00	1.00	1.00	Degrees F			1	1010
Sulfide	2.5	3.0	2.5	0.94	mg/L	U		1	9034
Corrosivity	8.27	0.100	0.100	0.100	SU		H	1	9040C
Cyanide, Total	0.010	0.010	0.010	0.0050	mg/L	U		1	9012A/Do D

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 070-0056-0001-SOURCE WATER
Lab Sample ID: 240-18735-3
Lab Name: TestAmerica Sacramento
Job No.: 240-18735-2
SDG ID.:
Matrix: Water
Date Sampled: 12/12/2012 13:00
Reporting Basis: WET
Date Received: 12/12/2012 17:07

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	1.0	2.0	1.0	0.48	mg/L	U		1	WS-WC-0050

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 070-0057-0001-SOURCE WATER
Lab Sample ID: 240-18735-4
Lab Name: TestAmerica Sacramento
Job No.: 240-18735-2
SDG ID.:
Matrix: Water
Date Sampled: 12/12/2012 13:15
Reporting Basis: WET
Date Received: 12/12/2012 17:07

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	1.0	2.0	1.0	0.48	mg/L	U		1	WS-WC-0050

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Analyst: LG Batch Start Date: 12/13/2012

Reporting Units: SU Analytical Batch No.: 68653

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	CCV	18:31	Corrosivity	7.020	7.00	100	99-101		WCPH7_00024
7	CCV	18:47	Corrosivity	7.030	7.00	100	99-101		WCPH7_00024

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

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Analyst: LG Batch Start Date: 12/14/2012

Reporting Units: SU Analytical Batch No.: 68809

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
41	CCV	17:06	Corrosivity	6.980	7.00	100	99-101		WCPH7_00024
52	CCV	17:35	Corrosivity	6.970	7.00	100	99-101		WCPH7_00024
59	CCV	17:54	Corrosivity	6.970	7.00	100	99-101		WCPH7_00024

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

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Analyst: CN Batch Start Date: 12/20/2012

Reporting Units: mg/L Analytical Batch No.: 69587

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
4	ICV	09:10	Cyanide, Total	0.0985	0.100	98	90-110		WCCN.1ICV2_00091
5	ICB	09:10	Cyanide, Total	0.010				U	
7	CCV	09:55	Cyanide, Total	0.0952	0.100	95	90-110		WCCN.1CCV1_00087
8	CCB	09:55	Cyanide, Total	0.010				U	
9	CCVH	09:55	Cyanide, Total	0.0945	0.100	94	90-110		WCCN10PPM1_00087
10	CCVL	09:55	Cyanide, Total	0.0261	0.0250	104	90-110		WCCN10PPM1_00087
17	CCV	09:59	Cyanide, Total	0.100	0.100	100	90-110		WCCN.1CCV1_00087
18	CCB	09:59	Cyanide, Total	0.010				U	
22	CCV	10:00	Cyanide, Total	0.103	0.100	103	90-110		WCCN.1CCV1_00087
23	CCB	10:00	Cyanide, Total	0.010				U	

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

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Analyst: AM Batch Start Date: 12/24/2012

Reporting Units: mg/L Analytical Batch No.: 70054

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
4	ICV	11:20	Cyanide, Total	0.0999	0.100	100	90-110		WCCN.1ICV2_00092
5	ICB	11:20	Cyanide, Total	0.010				U	
28	CCVL	12:45	Cyanide, Total	0.0261	0.0250	105	90-110		WCCN10PPM1_00088
31	CCV	12:58	Cyanide, Total	0.101	0.100	101	90-110		WCCN.1CCV1_00088
32	CCB	12:58	Cyanide, Total	0.010				U	
42	CCV	13:11	Cyanide, Total	0.0931	0.100	93	90-110		WCCN.1CCV1_00088
43	CCB	13:11	Cyanide, Total	0.010				U	
49	CCV	13:45	Cyanide, Total	0.0945	0.100	95	90-110		WCCN.1CCV1_00088
50	CCB	13:45	Cyanide, Total	0.010				U	
52	CCVH	13:47	Cyanide, Total	0.105	0.100	105	90-110		WCCN10PPM1_00088
53	CCV	13:48	Cyanide, Total	0.0987	0.100	99	90-110		WCCN.1CCV1_00088
54	CCB	13:48	Cyanide, Total	0.010				U	
55	CCV	14:06	Cyanide, Total	0.0920	0.100	92	90-110		WCCN.1CCV1_00088
56	CCB	14:06	Cyanide, Total	0.010				U	
59	CCV	14:07	Cyanide, Total	0.0961	0.100	96	90-110		WCCN.1CCV1_00088
60	CCB	14:07	Cyanide, Total	0.010				U	

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

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Analyst: JB Batch Start Date: 12/27/2012

Reporting Units: mg/L Analytical Batch No.: 8009

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
8	ICV	13:19	Nitrocellulose	8.41	8.40	100	90-110		WC-353.2-ICV_00015
9	ICB	13:21	Nitrocellulose	1.0				U	
21	CCV	13:45	Nitrocellulose	8.36	8.40	100	90-110		WC-353.2-L4_00010
22	CCB	13:47	Nitrocellulose	1.0				U	
32	CCV	14:07	Nitrocellulose	8.40	8.40	100	90-110		WC-353.2-L4_00010
33	CCB	14:09	Nitrocellulose	1.0				U	

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

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	LOQ	Dil
Batch ID: 69587	Date: 12/20/2012 09:55	Prep Batch: 69525	Date: 12/20/2012 08:25				
9012A/DoD	MB 240-69525/3-A	Cyanide, Total	0.25	U	mg/Kg	0.51	1
Batch ID: 70054	Date: 12/24/2012 13:11	Prep Batch: 69982	Date: 12/24/2012 09:16				
9012A/DoD	MB 240-69982/1-A	Cyanide, Total	0.010	U	mg/L	0.010	1
Batch ID: 69010	Date: 12/17/2012 09:31	Prep Batch: 68955	Date: 12/17/2012 09:31				
9034	MB 240-68955/1-A	Sulfide	2.5	U	mg/L	3.0	1
Batch ID: 69009	Date: 12/17/2012 12:32	Prep Batch: 68931	Date: 12/17/2012 08:28				
9034	MB 240-68931/1-A	Sulfide	27	U	mg/Kg	30	1

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	LOQ	Dil
Batch ID: 8009	Date: 12/27/2012 13:33	Prep Batch: 7878	Date: 12/27/2012 06:07				
WS-WC-0050	MB 320-7816/1-B	Nitrocellulose	1.0	U	mg/L	2.0	1
Batch ID: 8009	Date: 12/27/2012 13:55						
WS-WC-0050	MB 320-8009/26	Nitrocellulose	2.5	U	mg/L	5.0	1

FORM III-IN

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 70054	Date: 12/24/2012 13:11		Prep Batch: 69982		Date: 12/24/2012 09:16						
9012A/DoD	240-18735-6	Cyanide, Total	0.010	U	mg/L						
9012A/DoD	240-18735-6 MS	Cyanide, Total	0.0316		mg/L	0.0400	79	42-140			

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

FORM V-IN

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 70054	Date: 12/24/2012 14:06		Prep Batch: 69982		Date: 12/24/2012 09:16						
9012A/D oD	240-18735-6 MSD	Cyanide, Total	0.0323		mg/L	0.0400	81	42-140	2	20	

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

FORM V-IN

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Solid

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 68806 Date: 12/14/2012 10:08								
1010	070-0058-0001-IDW	240-18735-5	Flashpoint	>180	Degrees F			
1010	070-0058-0001-IDW	240-18735-5 DU	Flashpoint	>180	Degrees F	NC	20	

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

FORM VI-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 68806	Date: 12/14/2012 09:30										
						LCS Source: WCP-XYLENE_00009					
1010	LCS 240-68806/1	Flashpoint	83.00		Degrees F	81.0	102	97-103			
Batch ID: 69587	Date: 12/20/2012 09:55	Prep Batch: 69525			Date: 12/20/2012 08:25						
						LCS Source: WCCNLCS_00016					
9012A/DoD	LCS 240-69525/4-A	Cyanide, Total	2.14		mg/Kg	2.49	86	68-123			
Batch ID: 69009	Date: 12/17/2012 12:36	Prep Batch: 68931			Date: 12/17/2012 08:28						
						LCS Source: WCSULFIDELCS_00315					
9034	LCS 240-68931/2-A	Sulfide	61.1		mg/Kg	82.8	74	70-130			
Batch ID: 68809	Date: 12/14/2012 17:08										
						LCS Source: WCWIBBYPHLCS_00006					
9045C	LCS 240-68809/42	Corrosivity	5.460		SU	5.52	99	97-103			

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

FORM VIIA-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 69660	Date: 12/20/2012 07:00										
						LCS Source: WCP-XYLENE_00009					
1010	LCS 240-69660/1	Flashpoint	80.00		Degrees F	81.0	99	97-103			
Batch ID: 70054	Date: 12/24/2012 13:47	Prep Batch: 69982			Date: 12/24/2012 09:16						
						LCS Source: WCCNLCS_00016					
9012A/DoD	LCS 240-69982/2-A	Cyanide, Total	0.0423		mg/L	0.0498	85	69-118			
Batch ID: 69010	Date: 12/17/2012 09:31	Prep Batch: 68955			Date: 12/17/2012 09:31						
						LCS Source: WCSULFIDELCS_00315					
9034	LCS 240-68955/2-A	Sulfide	7.66		mg/L	8.20	93	70-130			
Batch ID: 68653	Date: 12/13/2012 18:33										
						LCS Source: WCWIBBYPHLCS_00006					
9040C	LCS 240-68653/2	Corrosivity	5.520		SU	5.52	100	97-103			

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

FORM VIIA-IN

7A-IN
METHOD REPORTING LIMIT CHECK
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 69587	Date: 12/20/2012 09:10										
						LCS Source:	WCCN.01MRL1_00072				
9012A/DoD	MRL 240-69587/6	Cyanide, Total	0.00945	J	mg/L	0.0100	95	70-130			
Batch ID: 69587	Date: 12/20/2012 10:17										
						LCS Source:	WCCN.01MRL1_00072				
9012A/DoD	MRL 240-69587/29	Cyanide, Total	0.0103		mg/L	0.0100	103	70-130			

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

FORM VIIA-IN

7A-IN
METHOD REPORTING LIMIT CHECK
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 70054		Date: 12/24/2012 11:20									
						LCS Source:		WCCN.01MRL1_00073			
9012A/D oD	MRL 240-70054/6	Cyanide, Total	0.00952	J	mg/L	0.0100	95	70-130			

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

FORM VIIA-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 8009	Date: 12/27/2012 13:35	Prep Batch: 7878	Date: 12/27/2012 06:07								
						LCS Source: HPNCSP_00007					
WS-WC-0050	LCS 320-7816/2-B	Nitrocellulose	5.13		mg/L	5.10	101	26-144			
Batch ID: 8009	Date: 12/27/2012 13:57										
						LCS Source: WC-353.2-ICV_00015					
WS-WC-0050	LCS 320-8009/27	Nitrocellulose	8.33		mg/L	8.40	99	26-144			

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

FORM VIIA-IN

7A-IN
METHOD REPORTING LIMIT CHECK
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 8009	Date: 12/27/2012 13:23										
						LCS Source:	WC-353.2-L1_00014				
WS-WC-050	MRL 320-8009/10	Nitrocellulose	1.0	U	mg/L	0.420	94	70-130			
Batch ID: 8009	Date: 12/27/2012 13:43										
						LCS Source:	WC-353.2-L1_00014				
WS-WC-050	MRL 320-8009/20	Nitrocellulose	1.0	U	mg/L	0.420	104	70-130			
Batch ID: 8009	Date: 12/27/2012 14:05										
						LCS Source:	WC-353.2-L1_00014				
WS-WC-050	MRL 320-8009/31	Nitrocellulose	1.0	U	mg/L	0.420	94	70-130			

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

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18735-2

SDG Number:

Matrix: Solid Instrument ID: WHITEY

Method: 1010 LOQ Date: 01/28/2010 09:55

Analyte	Wavelength/ Mass	LOQ (Degrees	
Flashpoint		1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18735-2

SDG Number:

Matrix: Solid Instrument ID: WHITEY

Method: 1010 XRL Date: 01/28/2010 09:55

Analyte	Wavelength/ Mass	XRL (Degrees	
Flashpoint		1	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18735-2

SDG Number:

Matrix: Water Instrument ID: WHITEY

Method: 1010 LOQ Date: 01/28/2010 09:55

Analyte	Wavelength/ Mass	LOQ (Degrees	
Flashpoint		1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18735-2

SDG Number:

Matrix: Water Instrument ID: WHITEY

Method: 1010 XRL Date: 01/28/2010 09:55

Analyte	Wavelength/ Mass	XRL (Degrees	
Flashpoint		1	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18735-2

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: 9034 DL Date: 01/27/2010 11:58

Prep Method: 9030B

Analyte	Wavelength/ Mass	LOQ (mg/Kg)	DL (mg/Kg)
Sulfide		30	22

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18735-2

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: 9034 XMDL Date: 01/27/2010 11:59

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Sulfide		3	0.94

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18735-2

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: 9034 DL Date: 01/27/2010 12:17

Prep Method: 9030B

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Sulfide		3	0.94

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18735-2

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: 9034 XMDL Date: 01/27/2010 12:18

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Sulfide		3	0.94

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18735-2

SDG Number:

Matrix: Water Instrument ID: Randolph

Method: 9040C LOQ Date: 01/28/2010 09:54

Analyte	Wavelength/ Mass	LOQ (SU)	
Corrosivity		0.1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18735-2

SDG Number:

Matrix: Water Instrument ID: Randolph

Method: 9040C XRL Date: 01/28/2010 09:54

Analyte	Wavelength/ Mass	XRL (SU)	
Corrosivity		0.1	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18735-2

SDG Number:

Matrix: Solid Instrument ID: Randolph

Method: 9045C LOQ Date: 01/28/2010 09:54

Analyte	Wavelength/ Mass	LOQ (SU)	
Corrosivity		0.1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18735-2

SDG Number:

Matrix: Solid Instrument ID: Randolph

Method: 9045C XRL Date: 01/28/2010 09:54

Analyte	Wavelength/ Mass	XRL (SU)	
Corrosivity		0.1	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18735-2

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture LOQ Date: 01/28/2010 09:24

Analyte	Wavelength/ Mass	LOQ (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18735-2

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture XRL Date: 01/28/2010 09:24

Analyte	Wavelength/ Mass	XRL (mg/L)	
Percent Moisture		10	
Percent Solids		10	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18735-2

SDG Number:

Matrix: Solid Instrument ID: SAURON

Method: 9012A/DoD DL Date: 01/28/2010 09:11

Prep Method: 9012A

Analyte	Wavelength/ Mass	LOQ (mg/Kg)	DL (mg/Kg)
Cyanide, Total		0.5	0.1

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18735-2

SDG Number:

Matrix: Solid Instrument ID: SAURON

Method: 9012A/DoD XMDL Date: 01/28/2010 09:12

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Cyanide, Total		0.01	0.005

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18735-2

SDG Number:

Matrix: Water Instrument ID: SAURON

Method: 9012A/DoD DL Date: 01/28/2010 09:12

Prep Method: 9012A

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Cyanide, Total		0.01	0.005

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18735-2

SDG Number:

Matrix: Water Instrument ID: SAURON

Method: 9012A/DoD XMDL Date: 01/28/2010 09:13

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Cyanide, Total		0.01	0.005

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job Number: 240-18735-2

SDG Number:

Matrix: Water Instrument ID: FS4

Method: WS-WC-0050 DL Date: 03/15/2011 14:37

Prep Method: 353 (NCell-Hyd)

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Nitrocellulose		2	0.475

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job Number: 240-18735-2

SDG Number:

Matrix: Water Instrument ID: FS4

Method: WS-WC-0050 XMDL Date: 03/15/2011 14:36

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Nitrocellulose		2	0.475

11-IN
LINEAR RANGES
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No: 240-18735-2

SDG No.:

Instrument ID: FS4 Date: 07/31/2011 19:29

Analyte	Integ. Time (Sec.)	Concentration (mg/L)	Method
Nitrocellulose		16.8	WS-WC-0050

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Prep Method: 9030B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 240-68931/1-A	12/17/2012 08:28	68931	4.99		50
LCS 240-68931/2-A	12/17/2012 08:28	68931	4.95		50
240-18735-5	12/17/2012 13:42	68931	4.97		50

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Prep Method: 9030B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 240-68955/1-A	12/17/2012 09:31	68955		50	50
LCS 240-68955/2-A	12/17/2012 09:31	68955		50	50
240-18735-6	12/17/2012 09:31	68955		50	50

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Prep Method: 9012A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 240-69525/3-A	12/20/2012 08:25	69525	0.99		25
LCS 240-69525/4-A	12/20/2012 08:25	69525	1.00		25
240-18735-5	12/20/2012 08:25	69525	1.00		25

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Prep Method: 9012A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 240-69982/1-A	12/24/2012 09:16	69982		50	25
LCS 240-69982/2-A	12/24/2012 09:16	69982		50	25
240-18735-6	12/24/2012 09:16	69982		50	25
240-18735-6 MS	12/24/2012 09:16	69982		50	25
240-18735-6 MSD	12/24/2012 09:16	69982		50	25

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Prep Method: 353 (NCell-Hyd)

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 320-7816/1-B	12/27/2012 06:07	7878		45	40
LCS 320-7816/2-B	12/27/2012 06:07	7878		45	40
240-18735-3	12/27/2012 06:07	7878		45	40
240-18735-4	12/27/2012 06:07	7878		45	40

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: WHITEY Method: 1010

Start Date: 12/14/2012 09:30 End Date: 12/14/2012 14:01

Lab Sample ID	D / F	Type	Time	Analytes																			
				FP																			
LCS 240-68806/1	1	T	09:30	X																			
240-18735-5 DU	1	T	10:08	X																			
240-18735-5	1	T	10:47	X																			
ZZZZZZ			11:26																				
ZZZZZZ			12:05																				
ZZZZZZ			12:43																				
ZZZZZZ			13:22																				
ZZZZZZ			14:01																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: WHITEY Method: 1010

Start Date: 12/20/2012 07:00 End Date: 12/20/2012 14:25

Lab Sample ID	D / F	Type	Time	Analytes																			
				FP																			
LCS 240-69660/1	1	T	07:00	X																			
ZZZZZZ			07:34																				
ZZZZZZ			08:08																				
ZZZZZZ			08:42																				
ZZZZZZ			09:17																				
ZZZZZZ			09:51																				
ZZZZZZ			10:25																				
ZZZZZZ			10:59																				
ZZZZZZ			11:34																				
ZZZZZZ			12:08																				
ZZZZZZ			12:42																				
ZZZZZZ			13:17																				
ZZZZZZ			13:51																				
240-18735-6	1	T	14:25	X																			

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: NOEQUIP Method: 9034

Start Date: 12/17/2012 09:31 End Date: 12/17/2012 16:55

Lab Sample ID	D / F	Type	Time	Analytes																			
				S2																			
MB 240-68955/1-A	1	T	09:31	X																			
LCS 240-68955/2-A	1	T	09:31	X																			
ZZZZZZ			09:31																				
ZZZZZZ			09:31																				
ZZZZZZ			09:31																				
ZZZZZZ			09:31																				
ZZZZZZ			09:31																				
ZZZZZZ			09:31																				
ZZZZZZ			09:31																				
ZZZZZZ			09:31																				
ZZZZZZ			09:31																				
ZZZZZZ			16:37																				
ZZZZZZ			16:43																				
ZZZZZZ			16:49																				
ZZZZZZ			16:50																				
ZZZZZZ			16:53																				
240-18735-6	1	T	16:55	X																			

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: NOEQUIP Method: 9034

Start Date: 12/17/2012 12:32 End Date: 12/17/2012 16:33

Lab Sample ID	D / F	Type	Time	Analytes																			
				S2																			
MB 240-68931/1-A	1	T	12:32	X																			
LCS 240-68931/2-A	1	T	12:36	X																			
ZZZZZZ			12:40																				
ZZZZZZ			12:44																				
ZZZZZZ			12:48																				
ZZZZZZ			12:52																				
ZZZZZZ			12:56																				
240-18735-5	1	T	16:33	X																			

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: Randolph Method: 9040C

Start Date: 12/13/2012 18:31 End Date: 12/13/2012 18:47

Lab Sample ID	D / F	Type	Time	Analytes																			
				Corr																			
CCV 240-68653/1	1		18:31	X																			
LCS 240-68653/2	1	T	18:33	X																			
ZZZZZZ			18:36																				
ZZZZZZ			18:39																				
ZZZZZZ			18:41																				
240-18735-6	1	T	18:44	X																			
CCV 240-68653/7	1		18:47	X																			

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: Randolph Method: 9045C

Start Date: 12/14/2012 15:19 End Date: 12/14/2012 18:15

Lab Sample ID	D / F	Type	Time	Analytes																				
				Corr																				
CCV 240-68809/1			15:19																					
ZZZZZZ			15:22																					
ZZZZZZ			15:25																					
ZZZZZZ			15:27																					
ZZZZZZ			15:30																					
ZZZZZZ			15:33																					
ZZZZZZ			15:35																					
ZZZZZZ			15:38																					
ZZZZZZ			15:41																					
ZZZZZZ			15:43																					
CCV 240-68809/11			15:46																					
ZZZZZZ			15:49																					
ZZZZZZ			15:51																					
ZZZZZZ			15:54																					
ZZZZZZ			15:57																					
ZZZZZZ			15:59																					
ZZZZZZ			16:02																					
ZZZZZZ			16:05																					
ZZZZZZ			16:07																					
ZZZZZZ			16:10																					
CCV 240-68809/21			16:13																					
ZZZZZZ			16:15																					
ZZZZZZ			16:18																					
ZZZZZZ			16:21																					
ZZZZZZ			16:23																					
ZZZZZZ			16:26																					
ZZZZZZ			16:29																					
ZZZZZZ			16:31																					
ZZZZZZ			16:34																					
ZZZZZZ			16:36																					
CCV 240-68809/31			16:39																					
ZZZZZZ			16:42																					
ZZZZZZ			16:44																					
ZZZZZZ			16:47																					
ZZZZZZ			16:50																					
ZZZZZZ			16:52																					
ZZZZZZ			16:55																					
ZZZZZZ			16:58																					
ZZZZZZ			17:00																					
ZZZZZZ			17:03																					
CCV 240-68809/41	1		17:06	X																				
LCS 240-68809/42	1	T	17:08	X																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: Randolph Method: 9045C

Start Date: 12/14/2012 15:19 End Date: 12/14/2012 18:15

Lab Sample ID	D / F	Type	Time	Analytes																			
				Corr																			
ZZZZZZ			17:11																				
ZZZZZZ			17:14																				
ZZZZZZ			17:16																				
ZZZZZZ			17:19																				
ZZZZZZ			17:22																				
ZZZZZZ			17:24																				
ZZZZZZ			17:27																				
ZZZZZZ			17:30																				
ZZZZZZ			17:32																				
CCV 240-68809/52	1		17:35	X																			
ZZZZZZ			17:38																				
ZZZZZZ			17:40																				
ZZZZZZ			17:43																				
240-18735-5	1	T	17:46	X																			
ZZZZZZ			17:48																				
ZZZZZZ			17:51																				
CCV 240-68809/59	1		17:54	X																			
ZZZZZZ			17:56																				
ZZZZZZ			17:59																				
ZZZZZZ			18:02																				
ZZZZZZ			18:04																				
ZZZZZZ			18:07																				
ZZZZZZ			18:10																				
CCV 240-68809/66			18:12																				
ZZZZZZ			18:15																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/13/2012 12:13 End Date: 12/13/2012 14:13

Lab Sample ID	D / F	Type	Time	Analytes																				
				% Sol	Moist																			
ZZZZZZ			12:13	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/13/2012 12:13 End Date: 12/13/2012 14:13

Lab Sample ID	D / F	Type	Time	Analytes																				
				% Sol	Moist																			
ZZZZZZ			12:13																					
ZZZZZZ			12:13																					
ZZZZZZ			12:13																					
ZZZZZZ			12:13																					
ZZZZZZ			12:13																					
ZZZZZZ			12:13																					
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ZZZZZZ			12:13																					
ZZZZZZ			12:13																					
ZZZZZZ			12:13																					
ZZZZZZ			12:13																					
240-18735-5	1	T	12:13	X	X																			
ZZZZZZ			12:13																					

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/13/2012 12:13 End Date: 12/13/2012 14:13

Lab Sample ID	D / F	Type	Time	Analytes																				
				% Sol	Moist																			
ZZZZZZ			12:13																					
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13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/13/2012 12:13 End Date: 12/13/2012 14:13

Lab Sample ID	D / F	Type	Time	Analytes																				
				% Sol	Moist																			
ZZZZZZ			13:44																					
ZZZZZZ			13:44																					
ZZZZZZ			13:44																					
ZZZZZZ			13:44																					
ZZZZZZ			13:59																					
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13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/13/2012 12:13 End Date: 12/13/2012 14:13

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: SAURON Method: 9012A/DoD

Start Date: 12/20/2012 09:08 End Date: 12/20/2012 10:19

Lab Sample ID	D / F	Type	Time	Analytes																			
				CN																			
ICV 240-69587/4	1		09:10	X																			
ICB 240-69587/5	1		09:10	X																			
MRL 240-69587/6	1	T	09:10	X																			
CCV 240-69587/7	1		09:55	X																			
CCB 240-69587/8	1		09:55	X																			
CCVH 240-69525/1-A	1		09:55	X																			
CCVL 240-69525/2-A	1		09:55	X																			
MB 240-69525/3-A	1	T	09:55	X																			
LCS 240-69525/4-A	1	T	09:55	X																			
CCV 240-69587/17	1		09:59	X																			
CCB 240-69587/18	1		09:59	X																			
240-18735-5	1	T	09:59	X																			
CCV 240-69587/22	1		10:00	X																			
CCB 240-69587/23	1		10:00	X																			
MRL 240-69587/29	1	T	10:17	X																			

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Instrument ID: SAURON Method: 9012A/DoD

Start Date: 12/24/2012 11:18 End Date: 12/24/2012 14:07

Lab Sample ID	D / F	Type	Time	Analytes																			
				CN																			
ICV 240-70054/4	1		11:20	X																			
ICB 240-70054/5	1		11:20	X																			
MRL 240-70054/6	1	T	11:20	X																			
CCVL 240-69982/25-A	1		12:45	X																			
CCV 240-70054/31	1		12:58	X																			
CCB 240-70054/32	1		12:58	X																			
MB 240-69982/1-A	1	T	13:11	X																			
240-18735-6	1	T	13:11	X																			
240-18735-6 MS	1	T	13:11	X																			
CCV 240-70054/42	1		13:11	X																			
CCB 240-70054/43	1		13:11	X																			
CCV 240-70054/49	1		13:45	X																			
CCB 240-70054/50	1		13:45	X																			
LCS 240-69982/2-A	2	T	13:47	X																			
CCVH 240-69982/26-A	2		13:47	X																			
CCV 240-70054/53	1		13:48	X																			
CCB 240-70054/54	1		13:48	X																			
CCV 240-70054/55	1		14:06	X																			
CCB 240-70054/56	1		14:06	X																			
240-18735-6 MSD	1	T	14:06	X																			
CCV 240-70054/59	1		14:07	X																			
CCB 240-70054/60	1		14:07	X																			

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Instrument ID: FS4 Method: WS-WC-0050

Start Date: 12/27/2012 13:05 End Date: 12/27/2012 14:11

Lab Sample ID	D / F	Type	Time	Analytes																			
				NCL																			
ZZZZZZ			13:05																				
STDO 320-8009/2 IC			13:07	X																			
STD1 320-8009/3 IC			13:09	X																			
STD2 320-8009/4 IC			13:11	X																			
STD3 320-8009/5 IC			13:13	X																			
STD4 320-8009/6 IC			13:15	X																			
STD5 320-8009/7 IC			13:17	X																			
ICV 320-8009/8	1		13:19	X																			
ICB 320-8009/9	1		13:21	X																			
MRL 320-8009/10	1	T	13:23	X																			
ZZZZZZ			13:25																				
ZZZZZZ			13:27																				
ZZZZZZ			13:29																				
ZZZZZZ			13:31																				
MB 320-7816/1-B	1	T	13:33	X																			
LCS 320-7816/2-B	1	T	13:35	X																			
ZZZZZZ			13:37																				
ZZZZZZ			13:39																				
ZZZZZZ			13:41																				
MRL 320-8009/20	1	T	13:43	X																			
CCV 320-8009/21	1		13:45	X																			
CCB 320-8009/22	1		13:47	X																			
ZZZZZZ			13:49																				
240-18735-3	1	T	13:51	X																			
240-18735-4	1	T	13:53	X																			
MB 320-8009/26	1	T	13:55	X																			
LCS 320-8009/27	1	T	13:57	X																			
ZZZZZZ			13:59																				
ZZZZZZ			14:01																				
ZZZZZZ			14:03																				
MRL 320-8009/31	1	T	14:05	X																			
CCV 320-8009/32	1		14:07	X																			
CCB 320-8009/33	1		14:09	X																			
ZZZZZZ			14:11																				

Prep Types
T = Total/NA

TestAmerica, Canton
Sulfide Standardization

Na Thiosulfate Normality:	0.0252
mL of Iodine Used:	8
Blank 1:	9.00
Blank 2:	9.00
Blank 3:	9.00
Iodine Normality:	**0.028350**
Sample Volume:	50
Spike Amount:	0.25
LCS 1:	8.00
LCS 2:	8.00
LCS 3:	7.95
Sulfide Concentration:	**8.20**
LCS TV:	**1640**
Na Sulfide Concentration:	**0.1171200**

Analyst: BW
Date: 12/17/2012
Batch: 69009, 10

TestAmerica, Canton
Sulfide Standardization

Na Thiosulfate Normality:	0.0252
mL of Iodine Used:	8
Blank 1:	9.00
Blank 2:	9.00
Blank 3:	9.00
Iodine Normality:	**0.028350**
Sample Volume:	50
Spike Amount:	0.25
LCS 1:	8.00
LCS 2:	8.00
LCS 3:	7.95
Sulfide Concentration:	**8.20**
LCS TV:	**1640**
Na Sulfide Concentration:	**0.1171200**

Analyst: BW
Date: 12/17/2012
Batch: 69009, 10

TestAmerica Laboratory
Konelab 250 SAURON

Date : 2012-12-20
Time : 10.40

69587

SW846-9012A,335.2,335.4,335.2CLPM,4500CNE,I,G
365.1,365,2,4500PE,325.2,4500CLE,SW846-9251,375.

Test Cyanide
Unit mg/l

Sample ID:	Result	Dilut	Man.dilut	Resp.	Date and Time
A-ICV	0.0985			0.106	2012-12-20 09.10
B-ICB	-0.0024			0.007	2012-12-20 09.10
C-MRL	0.0094			0.019	2012-12-20 09.10
CCV-CN	0.0952			0.102	2012-12-20 09.55
CCB-CN	0.0003			0.010	2012-12-20 09.55
CCVH 240-69525/1	0.1890			0.194	2012-12-20 09.55
CCVL 240-69525/2	0.0522			0.060	2012-12-20 09.55
MB 240-69525/3-A	0.0003			0.010	2012-12-20 09.55
LCS 240-69525/4-	0.0858			0.093	2012-12-20 09.55
240-18710-A-1-K	0.0032			0.012	2012-12-20 09.55
240-19000-C-11-A	0.0176			0.027	2012-12-20 09.55
240-19000-C-11-B	0.1055			0.112	2012-12-20 09.55
240-19000-C-11-C	0.1063			0.113	2012-12-20 09.55
CCV-CN	0.1003			0.107	2012-12-20 09.59
CCB-CN	0.0002			0.010	2012-12-20 09.59
240-18972-W-1-A	0.0050			0.014	2012-12-20 09.59
240-18972-Z-2-B	-0.0003			0.009	2012-12-20 09.59
240-18735-B-5-B	0.0021			0.011	2012-12-20 09.59
CCV-CN	0.1032			0.110	2012-12-20 10.00
CCB-CN	0.0001			0.009	2012-12-20 10.00
CCV-CN	0.0996			0.107	2012-12-20 10.17
CCB-CN	0.0004			0.010	2012-12-20 10.17
240-19000-C-12-A	0.0451			0.053	2012-12-20 10.17
240-19000-C-16-A	0.0806			0.088	2012-12-20 10.17
240-19000-C-17-A	0.0341			0.043	2012-12-20 10.17
CLOSING MRL	0.0103			0.019	2012-12-20 10.17
CCV-CN	0.0968			0.104	2012-12-20 10.19
CCB-CN	0.0001			0.009	2012-12-20 10.19

TestAmerica Laboratory
Konelab 250 SAURON
SW846-9012A,335.2,335.4,335.2CLPM,4500CNE,I,G
365.1,365,2,4500PE,325.2,4500CLE,SW846-9251,375.

20.12.2012 10:40

Test: Cyanide

Sample Id	Result	Dil. 1 +	Response	Errors
A-ICV	0.0985	0.0	0.106	
B-ICB	-0.0024	0.0	0.007	
C-MRL	0.0094	0.0	0.019	
CCV-CN	0.0952	0.0	0.102	
CCB-CN	0.0003	0.0	0.010	
CCVH 240-69525/1	0.1890	0.0	0.194	
CCVL 240-69525/2	0.0522	0.0	0.060	
MB 240-69525/3-A	0.0003	0.0	0.010	
LCS 240-69525/4-	0.0858	0.0	0.093	
240-18710-A-1-K	0.0032	0.0	0.012	
240-19000-C-11-A	0.0176	0.0	0.027	
240-19000-C-11-B	0.1055	0.0	0.112	
240-19000-C-11-C	0.1063	0.0	0.113	
240-19000-C-12-A	0.0444	0.0	0.053	
240-19000-C-16-A	0.0747	0.0	0.082	
CCV-CN	0.1003	0.0	0.107	
CCB-CN	0.0002	0.0	0.010	
240-19000-C-17-A	0.0341	0.0	0.043	
240-18972-W-1-A	0.0050	0.0	0.014	
240-18972-Z-2-B	-0.0003	0.0	0.009	
240-18735-B-5-B	0.0021	0.0	0.011	
CCV-CN	0.1032	0.0	0.110	
CCB-CN	0.0001	0.0	0.009	
CCV-CN	0.0996	0.0	0.107	
CCB-CN	0.0004	0.0	0.010	
240-19000-C-12-A	0.0451	0.0	0.053	
240-19000-C-16-A	0.0806	0.0	0.088	
240-19000-C-17-A	0.0341	0.0	0.043	
CLOSING MRL	0.0103	0.0	0.019	
CCV-CN	0.0968	0.0	0.104	
CCB-CN	0.0001	0.0	0.009	

N	18
Mean	0.0494
SD	0.05035
CV%	101.83

TestAmerica Laboratory
Konelab 250 SAURON
SW846-9012A,335.2,335.4,335.2CLPM,4500CNE,I,G
365.1,365,2,4500PE,325.2,4500CLE,SW846-9251,375.

20.12.2012 09:26

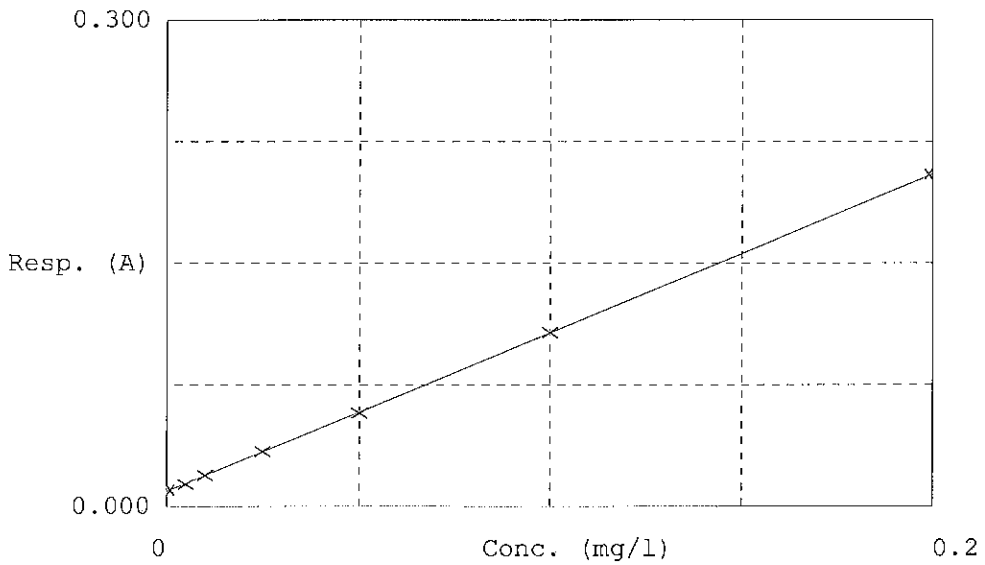
Test Cyanide

Accepted 20.12.2012 09:26

Factor 1.024
Bias 0.009

Coeff. of det. 0.999955

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors
1	CN-0	0.010	0.00072	0.00000	
2	CN-0.2	0.014	0.00444	0.00500	
3	CN-0.2	0.019	0.01010	0.01000	
4	CN-0.2	0.034	0.02515	0.02500	
5	CN-0.2	0.058	0.04929	0.05000	
6	CN-0.2	0.107	0.10025	0.10000	
7	CN-0.2	0.205	0.20004	0.20000	
8	A-ICV(control)	0.106	0.09846	0.10000	
9	B-ICB(control)	0.007	-0.00243	0.00000	
10	C-MRL(control)	0.019	0.00945	0.01000	

70054

Calibration results AquaKem 6.5 Page: 1

TestAmerica Laboratory
Konelab 250 SAURON
SW846-9012A,335.2,335.4,335.2CLPM,4500CNE,I,G
365.1,365,2,4500PE,325.2,4500CLE,SW846-9251,375.

24.12.2012 11:25

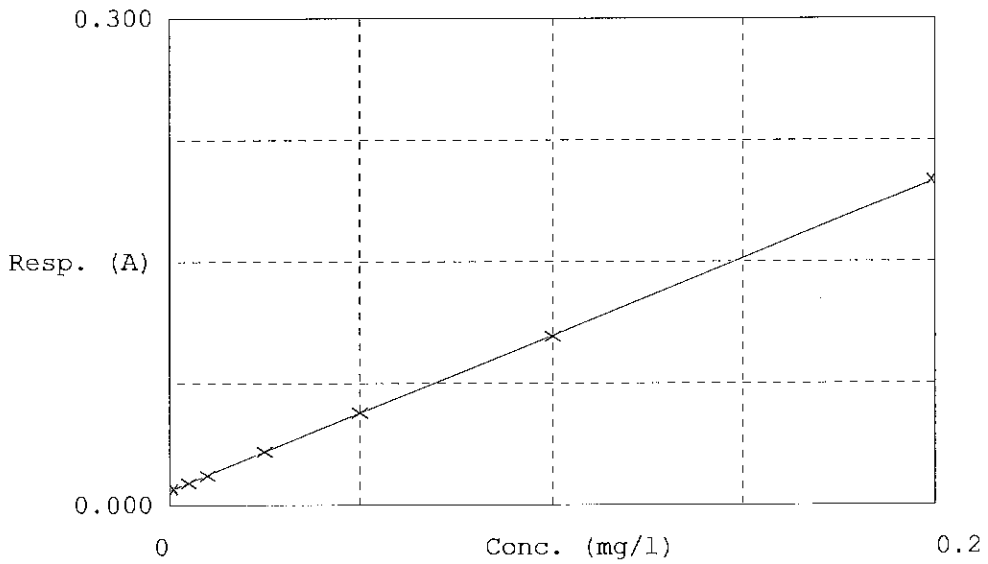
Test Cyanide

Accepted 24.12.2012 11:25

Factor 1.048
Bias 0.009

Coeff. of det. 0.999952

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors
1	CN-0	0.010	0.00088	0.00000	
2	CN-0.2	0.014	0.00477	0.00500	
3	CN-0.2	0.018	0.00957	0.01000	
4	CN-0.2	0.033	0.02499	0.02500	
5	CN-0.2	0.057	0.05010	0.05000	
6	CN-0.2	0.104	0.09937	0.10000	
7	CN-0.2	0.200	0.20032	0.20000	
8	A-ICV(control)	0.105	0.09992	0.10000	
9	B-ICB(control)	0.009	-0.00014	0.00000	
10	C-MRL(control)	0.018	0.00952	0.01000	

TestAmerica Laboratory
Konelab 250 SAURON

Date : 2012-12-24
Time : 16.31

SW846-9012A,335.2,335.4,335.2CLPM,4500CNE,I,G
365.1,365,2,4500PE,325.2,4500CLE,SW846-9251,375.

Test Cyanide
Unit mg/l

Sample ID:	Result	Dilut	Man.dilut	Resp.	Date and Time
A-ICV	0.0999			0.105	2012-12-24 11.20
B-ICB	-0.0001			0.009	2012-12-24 11.20
C-MRL	0.0095			0.018	2012-12-24 11.20
CCV-CN	0.0977			0.102	2012-12-24 12.39
CCB-CN	0.0009			0.010	2012-12-24 12.39
240-18957-A-3-B	0.0064			0.015	2012-12-24 12.39
240-18957-A-3-B	0.0064			0.015	2012-12-24 12.39
240-18957-A-4-B	0.0136			0.022	2012-12-24 12.39
240-18957-A-5-B	0.0066			0.016	2012-12-24 12.39
240-19064-A-6-B	0.1915			0.192	2012-12-24 12.39
240-18827-K-1-A	0.0083			0.017	2012-12-24 12.39
240-18827-K-2-A	0.0024			0.012	2012-12-24 12.39
240-18827-K-3-A	0.0093			0.018	2012-12-24 12.39
240-18827-K-4-A	0.0022			0.011	2012-12-24 12.39
240-18827-K-5-A	0.0033			0.012	2012-12-24 12.39
CCV-CN	0.0935			0.098	2012-12-24 12.45
CCB-CN	0.0010			0.010	2012-12-24 12.45
240-18957-A-4-B	0.0136			0.022	2012-12-24 12.45
240-18957-A-5-B	0.0068			0.016	2012-12-24 12.45
240-19064-A-6-B	0.1953			0.196	2012-12-24 12.45
240-18827-K-2-A	0.0058			0.015	2012-12-24 12.45
240-18827-K-3-A	0.0035			0.013	2012-12-24 12.45
240-18827-K-4-A	0.0024			0.012	2012-12-24 12.45
240-18827-K-5-A	0.0380			0.045	2012-12-24 12.45
240-18827-K-6-A	0.0053			0.014	2012-12-24 12.45
CCVL 240-69982/2	0.0522			0.059	2012-12-24 12.45
CCV-CN	0.0944			0.099	2012-12-24 12.51
CCB-CN	0.0005			0.010	2012-12-24 12.51
CCV-CN	0.1005			0.105	2012-12-24 12.58
CCB-CN	0.0005			0.010	2012-12-24 12.58
MB 240-69982/1-A	0.0014			0.011	2012-12-24 13.11
240-18735-A-6-A	0.0028			0.012	2012-12-24 13.11
240-18735-A-6-B	0.0631			0.069	2012-12-24 13.11
240-18850-F-1-A	0.0039			0.013	2012-12-24 13.11
240-18850-F-2-A	0.0012			0.010	2012-12-24 13.11
240-18850-F-3-A	0.0012			0.010	2012-12-24 13.11
240-18850-F-4-A	0.0009			0.010	2012-12-24 13.11
240-18850-F-5-A	0.0018			0.011	2012-12-24 13.11
240-18850-F-6-A	0.0024			0.012	2012-12-24 13.11
CCV-CN	0.0931			0.098	2012-12-24 13.11
CCB-CN	0.0009			0.010	2012-12-24 13.11
240-18850-F-8-A	0.0010			0.010	2012-12-24 13.13
240-18908-A-1-A	0.0045			0.014	2012-12-24 13.13
240-18957-A-2-B	0.0083			0.017	2012-12-24 13.13
CCV-CN	0.0965			0.101	2012-12-24 13.15
CCB-CN	0.0012			0.010	2012-12-24 13.15
CCV-CN	0.0945			0.099	2012-12-24 13.45
CCB-CN	0.0001			0.009	2012-12-24 13.45
LCS 240-69982/2-	0.0846	1+1.0		0.050	2012-12-24 13.47
CCVH 240-69982/2	0.2092	1+1.0		0.109	2012-12-24 13.47
CCV-CN	0.0987			0.103	2012-12-24 13.48

TestAmerica Laboratory
Konelab 250 SAURON

Date : 2012-12-24
Time : 16.31

SW846-9012A,335.2,335.4,335.2CLPM,4500CNE,I,G
365.1,365,2,4500PE,325.2,4500CLE,SW846-9251,375.

Test Cyanide
Unit mg/l

Sample ID:	Result	Dilut	Man.dilut	Resp.	Date and Time
CCB-CN	0.0004			0.010	2012-12-24 13.48
CCV-CN	0.0920			0.097	2012-12-24 14.06
CCB-CN	0.0003			0.010	2012-12-24 14.06
240-18735-A-6-C	0.0646			0.071	2012-12-24 14.06
mrl2	0.0102			0.019	2012-12-24 14.06
CCV-CN	0.0961			0.101	2012-12-24 14.07
CCB-CN	0.0005			0.010	2012-12-24 14.07

TestAmerica Laboratory
Konelab 250 SAURON
SW846-9012A,335.2,335.4,335.2CLPM,4500CNE,I,G
365.1,365,2,4500PE,325.2,4500CLE,SW846-9251,375.

24.12.2012 14:29

Test: Cyanide

Sample Id	Result	Dil. 1 +	Response	Errors
A-ICV	0.0999	0.0	0.105	
B-ICB	-0.0001	0.0	0.009	
C-MRL	0.0095	0.0	0.018	
CCV-CN	0.0977	0.0	0.102	
CCB-CN	0.0009	0.0	0.010	
240-18957-A-3-B	0.0064	0.0	0.015	
240-18957-A-3-B	0.0064	0.0	0.015	
240-18957-A-4-B	0.0136	0.0	0.022	
240-18957-A-5-B	0.0066	0.0	0.016	
240-19064-A-6-B	0.1915	0.0	0.192	
240-18827-K-1-A	0.0083	0.0	0.017	
240-18827-K-2-A	0.0024	0.0	0.012	
240-18827-K-3-A	0.0093	0.0	0.018	
240-18827-K-4-A	0.0022	0.0	0.011	
240-18827-K-5-A	0.0033	0.0	0.012	
CCV-CN	0.0935	0.0	0.098	
CCB-CN	0.0010	0.0	0.010	
240-18957-A-4-B	0.0136	0.0	0.022	
240-18957-A-5-B	0.0068	0.0	0.016	
240-19064-A-6-B	0.1953	0.0	0.196	
240-18827-K-1-A	-0.0041	0.0	0.005	
240-18827-K-2-A	0.0058	0.0	0.015	
240-18827-K-3-A	0.0035	0.0	0.013	
240-18827-K-4-A	0.0024	0.0	0.012	
240-18827-K-5-A	0.0380	0.0	0.045	
240-18827-K-6-A	0.0053	0.0	0.014	
CCVL 240-69982/2	0.0522	0.0	0.059	
CCV-CN	0.0944	0.0	0.099	
CCB-CN	0.0005	0.0	0.010	
MB 240-69982/1-A	0.0011	0.0	0.010	
240-18735-A-6-A	0.0029	0.0	0.012	
240-18735-A-6-B	0.0675	0.0	0.074	
240-18735-A-6-C	0.0598	0.0	0.066	
240-18850-F-1-A	0.0034	0.0	0.012	
240-18850-F-2-A	0.0011	0.0	0.010	
240-18850-F-3-A	0.0015	0.0	0.011	
240-18850-F-4-A	0.0008	0.0	0.010	
240-18850-F-5-A	0.0015	0.0	0.011	
240-18850-F-6-A	0.0020	0.0	0.011	
CCV-CN	0.0955	0.0	0.100	
CCB-CN	0.0175	0.0	0.026	Rule 1 violated
240-18850-F-8-A	0.0014	0.0	0.011	
240-18908-A-1-A	0.0039	0.0	0.013	
240-18957-A-2-B	0.0084	0.0	0.017	
LCS 240-69982/2-	0.0824	1.0	0.049	
CCVH 240-69982/2	0.2036	1.0	0.106	
CCV-CN	0.1005	0.0	0.105	
CCB-CN	0.0005	0.0	0.010	
MB 240-69982/1-A	0.0014	0.0	0.011	
240-18735-A-6-A	0.0028	0.0	0.012	
240-18735-A-6-B	0.0631	0.0	0.069	
240-18735-A-6-C	0.0581	0.0	0.065	
240-18850-F-1-A	0.0039	0.0	0.013	
240-18850-F-2-A	0.0012	0.0	0.010	
240-18850-F-3-A	0.0012	0.0	0.010	

TestAmerica Laboratory
Konelab 250 SAURON
SW846-9012A,335.2,335.4,335.2CLPM,4500CNE,I,G
365.1,365,2,4500PE,325.2,4500CLE,SW846-9251,375.

24.12.2012 14:29

Test: Cyanide

Sample Id	Result	Dil. 1 +	Response	Errors
240-18850-F-4-A	0.0009	0.0	0.010	
240-18850-F-5-A	0.0018	0.0	0.011	
240-18850-F-6-A	0.0024	0.0	0.012	
CCV-CN	0.0931	0.0	0.098	
CCB-CN	0.0009	0.0	0.010	
240-18850-F-8-A	0.0010	0.0	0.010	
240-18908-A-1-A	0.0045	0.0	0.014	
240-18957-A-2-B	0.0083	0.0	0.017	
CCV-CN	0.0965	0.0	0.101	
CCB-CN	0.0012	0.0	0.010	
LCS 240-69982/2-	0.0870	1.0	0.051	
CCVH 240-69982/2	0.2559	1.0	0.131	
CCV-CN	0.0986	0.0	0.103	
CCB-CN	0.0113	0.0	0.020	Rule 1 violated
CCV-CN	0.0945	0.0	0.099	
CCB-CN	0.0001	0.0	0.009	
240-18735-A-6-C	0.0494	0.0	0.056	
mrl2	0.0104	0.0	0.019	
LCS 240-69982/2-	0.0846	1.0	0.050	
CCVH 240-69982/2	0.2092	1.0	0.109	
CCV-CN	0.0987	0.0	0.103	
CCB-CN	0.0004	0.0	0.010	
CCV-CN	0.0920	0.0	0.097	
CCB-CN	0.0003	0.0	0.010	
240-18735-A-6-C	0.0646	0.0	0.071	
mrl2	0.0102	0.0	0.019	
CCV-CN	0.0961	0.0	0.101	
CCB-CN	0.0005	0.0	0.010	

N	56
Mean	0.0345
SD	0.06149
CV%	178.23

Peak Table:Nitrate/Nitrite

File name: Z:\GENCHEM\ALPKEM~2\2012\NITROC~1\122712A.RST
Date: 27-Dec-12
Operator: JB

Peak	Cup	Name	R	Type	Dil	Wt	Height	Calc. (ppm)	Flags
1	105	Sync	1	SYNC	1	1	126535	0.994448	
B	0	Baseline	1	RB	1	1	0	-0.008587	BL
3	0	Cal 0	1	C	1	1	-65	-0.009101	LO
4	102	Cal 1	1	C	1	1	8294	0.057159	
5	103	Cal 2	1	C	1	1	26707	0.203121	
6	104	Cal 3	1	C	1	1	51236	0.397558	
7	105	Cal 4	1	C	1	1	127555	1.002533	
8	106	Cal 5	1	C	1	1	253228	1.998731	
9	107	ICV	1	U	1	1	127315	1.000627	
10	0	BLANK/ICB	1	BLNK	1	1	219	-0.006853	LO
11	102	MRL	1	U	1	1	7034	0.047168	
12	108	NO2 1PPM	1	U	1	1	127518	1.002237	
13	109	NO3 1PPM	1	U	1	1	126350	0.992981	
14	0	Blank	1	BLNK	1	1	-23	-0.008772	LO
B	0	Baseline	1	RB	1	1	0	-0.008587	BL
16	113	mb 320-7816/1-b	1	U	1	1	5036	0.031336	
17	114	lcs 320-7816/2-b	1	U	1	1	193406	1.524529	
18	115	240-18703-s-24-g	1	U	1	1	5086	0.031730	
19	116	240-18703-s-24-h ms	1	U	1	1	188812	1.488111	
20	117	240-18703-s-24-i msd	1	U	1	1	190655	1.502721	
21	102	MRL	1	U	1	1	7631	0.051901	
22	105	CCV	1	U	1	1	126549	0.994556	
23	0	Blank	1	BLNK	1	1	-115	-0.009501	LO
B	0	Baseline	1	RB	1	1	0	-0.008587	BL
25	118	240-18735-q-3-c	1	U	1	1	3286	0.017461	
26	119	240-18735-q-4-c	1	U	1	1	6143	0.040106	
27	120	MB	1	U	1	1	42	-0.008254	LO
28	121	LCS	1	U	1	1	126110	0.991075	
29	122	320-1301-c-1	1	U	1	1	105799	0.830072	
30	123	MS 320-1301-c-1	1	U	1	1	206937	1.631782	
31	124	MSD 320-1301-c-1	1	U	1	1	208023	1.640392	
32	102	MRL	1	U	1	1	6955	0.046542	
33	105	CCV	1	U	1	1	127273	1.000294	
34	0	BLANK	1	BLNK	1	1	2	-0.008573	LO
B	0	Baseline	1	RB	1	1	0	-0.008587	BL

Report Results by Sample
Result path: Z:\GENCHEM\ALPKEM~2\2012\NITROC~1\122712A.RST
Sample table path: Z:\GENCHEM\ALPKEM~2\2012\NITROC~1\122712a.tbl
Method path: Y:\no3_no2.mth
Date acquired: 27-Dec-12
Time acquired: 14:16

Facility Name:
Facility Location:
Department:

Operator Name: JB
Operator ID: JB

Platform: FS III/IV
Software Rev Code: 210
Data system ID: 57

Channel: 1
Analysis: Nitrate/Nitrite
CAS Number:
Methodology: NO2+NO3-353.2/N02-353.2/WS-WC-0050

	Temp	Warmup	Run time	Reps
rack 1	Off	1134:03:50	1:38:15	14
rack 2	Off	1134:03:50	1:38:15	14
rack 3	Off	1134:03:50	1:38:15	14

Notes

Cup	Name	S	1:Time	1:Value	1:S
0	Baseline	C	13:05:43	-0.01	[C]
0	Cal 0	C	13:07:43	-0.01	[C]
102	Cal 1	C	13:09:43	0.06	[C]
103	Cal 2	C	13:11:44	0.20	[C]
104	Cal 3	C	13:13:44	0.40	[C]
105	Cal 4	C	13:15:44	1.00	[C]
106	Cal 5	C	13:17:44	2.00	[C]
107	ICV	-	13:19:44	1.00	[-]
0	BLANK/ICB	C	13:21:44	-0.01	[C]
102	MRL	-	13:23:45	0.05	[-]
108	NO2 1PPM	-	13:25:45	1.00	[-]
109	NO3 1PPM	-	13:27:45	0.99	[-]
0	Blank	C	13:29:45	-0.01	[C]
0	Baseline	C	13:31:45	-0.01	[C]
113	mb 320-7816/1-b	-	13:33:45	0.03	[-]
114	lcs 320-7816/2-b	-	13:35:46	1.52	[-]
115	240-18703-s-24-g	-	13:37:46	0.03	[-]
116	240-18703-s-24-h ms	-	13:39:46	1.49	[-]
117	240-18703-s-24-i msd	-	13:41:46	1.50	[-]
102	MRL	-	13:43:46	0.05	[-]
105	CCV	-	13:45:46	0.99	[-]
0	Blank	C	13:47:47	-0.01	[C]
0	Baseline	C	13:49:47	-0.01	[C]
118	240-18735-q-3-c	-	13:51:47	0.02	[-]
119	240-18735-q-4-c	-	13:53:47	0.04	[-]
120	MB	-	13:55:47	-0.01	[-]
121	LCS	-	13:57:47	0.99	[-]
122	320-1301-c-1	-	13:59:48	0.83	[-]
123	MS 320-1301-c-1	-	14:01:48	1.63	[-]
124	MSD 320-1301-c-1	-	14:03:48	1.64	[-]
102	MRL	-	14:05:48	0.05	[-]
105	CCV	-	14:07:48	1.00	[-]
0	BLANK	C	14:09:49	-0.01	[C]
0	Baseline	C	14:11:49	-0.01	[C]

Nitrate/Nitrite:Calibration 1: Peak 3-35

File name: Z:\GENCHEM\ALPKEM~2\2012\NITROC~1\122712A.RST
Date: 27-Dec-12
Operator: JB

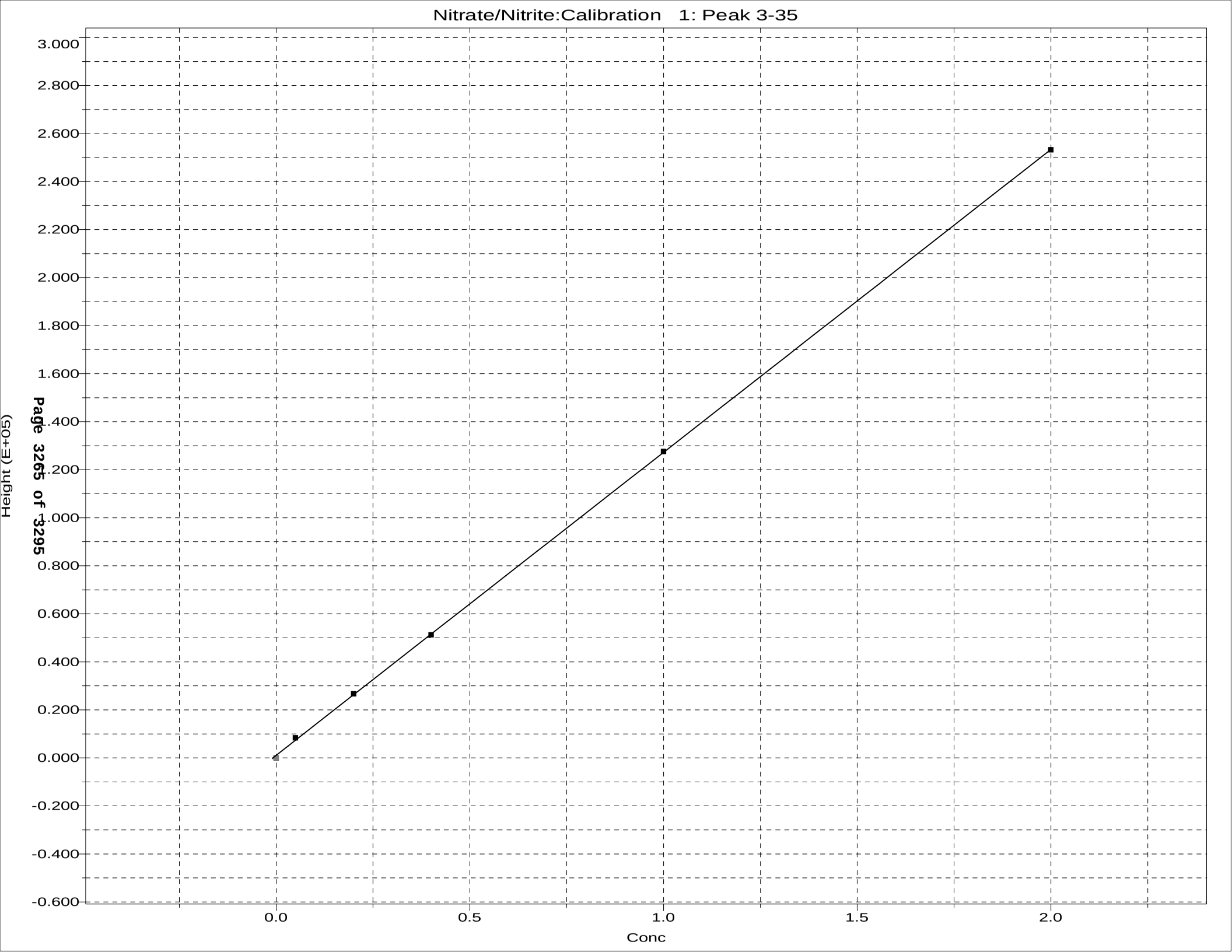
*	Name	Conc	Height
*	Cal 0	0.000000	-64.945419
*	Cal 1	0.050000	8293.914062
*	Cal 2	0.200000	26707.492188
*	Cal 3	0.400000	51236.093750
*	Cal 4	1.000000	127555.218750
*	Cal 5	2.000000	253228.000000

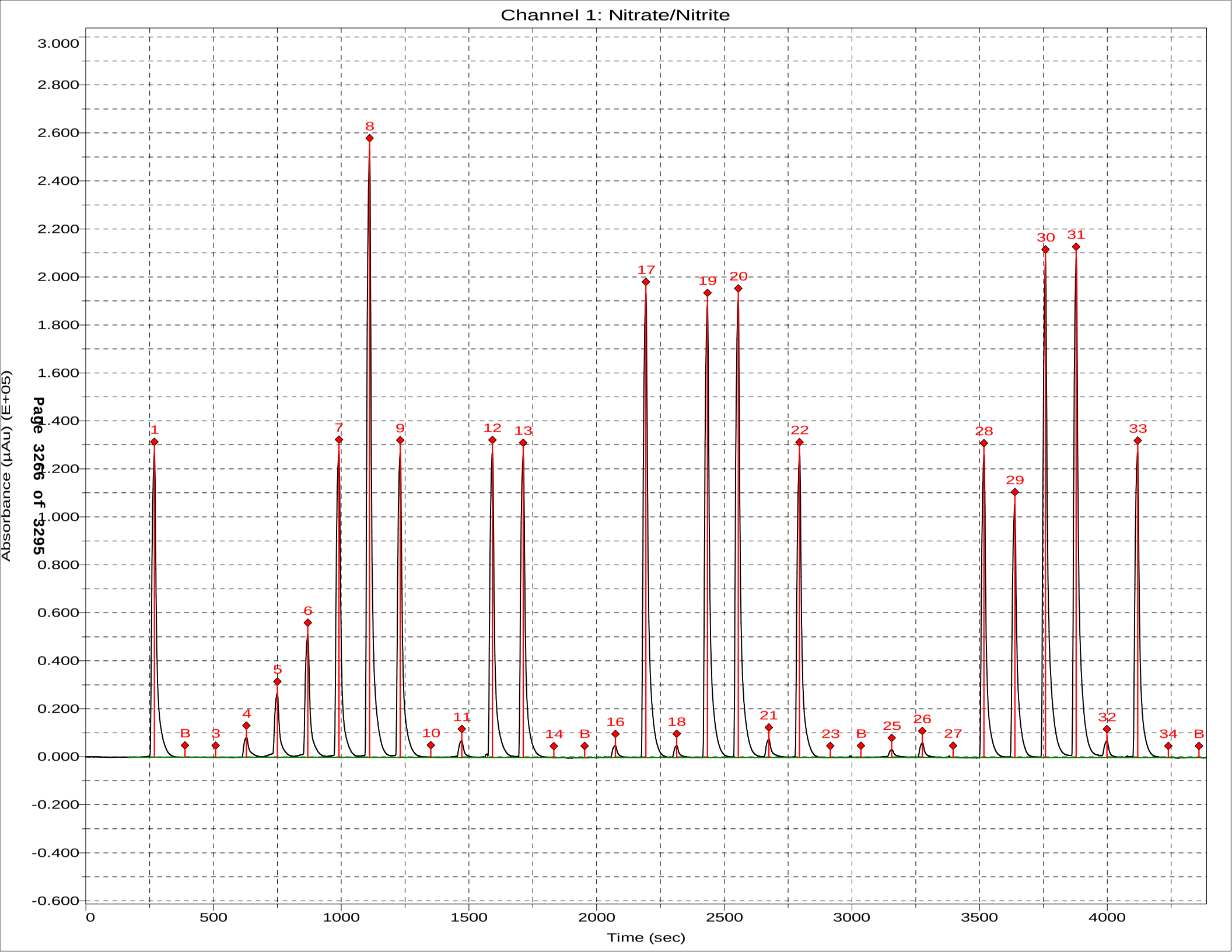
Calib Coef:
y=bx+a
a: (intercept) 1.0832e+03
b: 1.2615e+05

Corr Coef: 0.999973

Carryover: n/a

No Drift Peaks


Nitrate/Nitrite:Calibration 1: Peak 3-35
Height (E+05)
3.000
2.800
2.600
2.400
2.200
2.000
1.800
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
-0.200
-0.400
-0.600
0.0
0.5
1.0
1.5
2.0
Conc


Channel 1: Nitrate/Nitrite
Absorbance (µAu) (E+05)
Time (sec)
3.000
2.800
2.600
2.400
2.200
2.000
1.800
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
-0.200
-0.400
-0.600
0
500
1000
1500
2000
2500
3000
3500
4000
1
B
3
4
5
6
7
8
9
10
11
12
13
14
B
16
17
18
19
20
21
22
23
B
25
26
27
28
29
30
31
32
33
34
B

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Level I and Level II Review Checklist
General Chemistry

Instrument ID FS4		WS-WC-0050	
Batch 8009	File # 122712A	Date 12/27/12	Analyst JB

Lot Numbers 240-18735, 240-18763	YES	NO	NA
LEVEL 1 Review:			
1. Samples properly preserved/verified	✓		
2. Run setup meets Std criteria (Curve, ICV/ICB, CCV etc.)	✓		
3. Calibration criteria met (R=0.995, R^2=0.990)	✓		
4. Interception criteria for quadratic fits + or – ½ the RL			✓
5. Second source std in control	✓		
6. Batch QC in control (LCS,MB,MS/MSD,DCS if necessary)	✓		
7. Calculations checked	✓		
8. QAS/QAPP consulted for client specific requirements	✓		
9. Standard tracking #'s recorded on runlog/benchsheet	✓		
10. Manual integration performed, documented & approved			✓
11. Copy of run log included with data package	✓		
12. Copy of conductivity screen logbook (314.0 only)			✓
LEVEL 1 Data Review:			
1. Benchsheet complete	✓		
2. QAS/QAPP Consulted for client specific data entry	✓		
3. Copy of prep sheet/checklist submitted	✓		
4. NCM(s) submitted			✓

COMMENTS: _____

REVIEWED BY: BMC DATE: 12/31/12

DATA ENTERED BY: JB DATE: 12/28/12

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Level I and Level II Review Checklist
General Chemistry

Instrument ID F54		WS-WC-0050 EPA 353.2	
Batch 8009	File # 122712A	Date 12/27/12	Analyst JT

Lot Numbers 320-1301, ~~240-18735, 240-18763~~ AmC 12/28/12	YES	NO	NA
LEVEL 1 Review:			
1. Samples properly preserved/verified	✓		
2. Run setup meets Std criteria (Curve, ICV/ICB, CCV etc.)	✓		
3. Calibration criteria met (R=0.995, R^2=0.990)	✓		
4. Interception criteria for quadratic fits + or – ½ the RL			✓
5. Second source std in control	✓		
6. Batch QC in control (LCS,MB,MS/MSD,DCS if necessary)	✓	~~✓~~	✓ AmC 12/28/12
7. Calculations checked	✓		
8. QAS/QAPP consulted for client specific requirements	✓		
9. Standard tracking #'s recorded on runlog/benchsheet	✓		
10. Manual integration performed, documented & approved			✓
11. Copy of run log included with data package	✓		
12. Copy of conductivity screen logbook (314.0 only)			✓
LEVEL 1 Data Review:			
1. Benchsheet complete	✓		
2. QAS/QAPP Consulted for client specific data entry	✓		
3. Copy of prep sheet/checklist submitted	✓		
4. NCM(s) submitted	✓		

COMMENTS: _____

REVIEWED BY: AmC	DATA ENTERED BY: JT
DATE: 12/28/12	DATE: 12/28/12

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Batch Number: 68806 Batch Start Date: 12/14/12 09:30 Batch Analyst: Harshman, Tom

Batch Method: 1010 Batch End Date: 12/14/12 14:40

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	InitialTemp	WCP-XYLENE 00009			
LCS 240-68806/1		1010		70 mL	58 Degrees F	70 mL			
240-18735-C-5 DU	070-0058-0001-ID W	1010	T	70 g	62 Degrees F				
240-18735-C-5	070-0058-0001-ID W	1010	T	70 g	68 Degrees F				

Batch Notes	
Equipment ID	Whitey

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Batch Number: 69660 Batch Start Date: 12/20/12 07:00 Batch Analyst: Harshman, Tom

Batch Method: 1010 Batch End Date: 12/20/12 15:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	InitialTemp	WCP-XYLENE 00009			
LCS 240-69660/1		1010		70 mL	68 Degrees F	70 mL			
240-18735-G-6	070-0059-0001-ID W	1010	T	70 mL	75 Degrees F				

Batch Notes	
Equipment ID	Whitey

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Batch Number: 68931 Batch Start Date: 12/17/12 08:28 Batch Analyst: Woodward, Bruce

Batch Method: 9030B Batch End Date: 12/17/12 13:42

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	WCSULFIDELCS 00315			
MB 240-68931/1		9030B, 9034		4.99 g	50 mL				
LCS 240-68931/2		9030B, 9034		4.95 g	50 mL	0.25 mL			
240-18735-B-5	070-0058-0001-ID W	9030B, 9034	T	4.97 g	50 mL				

Batch Notes	
Batch Comment	sand 398740
Distillation Temperature	70 Degrees C
Pipette ID	377822
Sulfuric Acid Reagent ID Number	787798
Zinc Acetate Buffer Reagent ID Number	741150

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Batch Number: 68955 Batch Start Date: 12/17/12 09:31 Batch Analyst: Woodward, Bruce

Batch Method: 9030B Batch End Date: 12/17/12 15:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	WCSULFIDELCS 00315			
MB 240-68955/1		9030B, 9034		50 mL	50 mL				
LCS 240-68955/2		9030B, 9034		50 mL	50 mL	0.25 mL			
240-18735-B-6	070-0059-0001-IDW	9030B, 9034	T	50 mL	50 mL				

Batch Notes	
Distillation Temperature	70 Degrees C
Pipette ID	377822
Sulfuric Acid Reagent ID Number	787798
Zinc Acetate Buffer Reagent ID Number	741150

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Batch Number: 69009 Batch Start Date: 12/17/12 12:32 Batch Analyst: Woodward, Bruce

Batch Method: 9034 Batch End Date: 12/17/12 14:35

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	IodineAmount	TitrantVolume1	CalcMsg		
MB 240-68931/1-A		9034		50 mL	8 mL	9.05 mL	OK		
LCS 240-68931/2-A		9034		50 mL	8 mL	8.25 mL	OK		
240-18735-B-5-A	070-0058-0001-ID W	9034	T	50 mL	8 mL	8.75 mL	OK		

Batch Notes	
HCl Concentration	1:1
Lot # of hydrochloric acid	760754
Iodine Lot Number	792238
Normality of Iodine Solution	0.028350 N
Sodium Thiosulfate Reagent ID Number	669841
Perform Calculation (0=No, 1=Yes)	1
Starch Lot Number	755038
Normality of first Titrant	0.0252 N
Zinc Acetate Buffer Reagent ID Number	741150

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Batch Number: 69010 Batch Start Date: 12/17/12 12:34 Batch Analyst: Woodward, Bruce

Batch Method: 9034 Batch End Date: 12/17/12 16:55

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	IodineAmount	TitrantVolume1	CalcMsg		
MB 240-68955/1-A		9034		50 mL	8 mL	9.10 mL	OK		
LCS 240-68955/2-A		9034		50 mL	8 mL	8.05 mL	OK		
240-18735-B-6-A	070-0059-0001-IDW	9034	T	50 mL	8 mL	9.05 mL	OK		

Batch Notes	
HCl Concentration	1:1
Lot # of hydrochloric acid	760754
Iodine Lot Number	792238
Normality of Iodine Solution	0.028350 N
Sodium Thiosulfate Reagent ID Number	669841
Perform Calculation (0=No, 1=Yes)	1
Starch Lot Number	755038
Normality of first Titrant	0.0252 N
Zinc Acetate Buffer Reagent ID Number	741150

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Batch Number: 68653 Batch Start Date: 12/13/12 18:31 Batch Analyst: Grossman, Lucas

Batch Method: 9040C Batch End Date: 12/13/12 18:50

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	pHread1	pHRead2	CalcMsg	WCPH7 00024	WCWIBBYPHLCS 00006
CCV 240-68653/1		9040C		10 mL	7.02 SU		pH = Read 1	10 mL	
LCS 240-68653/2		9040C		10 mL	5.52 SU		pH = Read 1		10 mL
240-18735-H-6	070-0059-0001-ID W	9040C	T	10 mL	8.28 SU	8.27 SU	Read 2 Pass		
CCV 240-68653/7		9040C		10 mL	7.03 SU		pH = Read 1	10 mL	

Batch Notes	
Batch Comment	5 point calibration
pH Buffer 1 ID	7-660922
pH Buffer 2 ID	4-420355
pH Buffer 3 ID	10-710412
pH Buffer 4 ID	12-562275
pH Buffer 5 ID	2-580422
Electronic Slope	99.3
Probe ID	wcp82

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Batch Number: 68809 Batch Start Date: 12/14/12 15:19 Batch Analyst: Grossman, Lucas

Batch Method: 9045C Batch End Date: 12/14/12 18:18

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	pHread1	CalcMsg	WCPH7 00024	WCWIBBYPHLCS 00006	
CCV 240-68809/41		9045C		10 mL	6.98 SU	pH = Read 1	10 mL		
LCS 240-68809/42		9045C		10 mL	5.46 SU	pH = Read 1		10 mL	
CCV 240-68809/52		9045C		10 mL	6.97 SU	pH = Read 1	10 mL		
240-18735-C-5	070-0058-0001-ID W	9045C	T	10 mL	7.68 SU	pH = Read 1			
CCV 240-68809/59		9045C		10 mL	6.97 SU	pH = Read 1	10 mL		

Batch Notes	
Batch Comment	5 point calibration
pH Buffer 1 ID	7-660922
pH Buffer 2 ID	10-710412
pH Buffer 3 ID	4-420355
pH Buffer 4 ID	12-562275
pH Buffer 5 ID	2-580422
Electronic Slope	99.6
Probe ID	wcp82
Sufficient volume for sample dup	y

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Batch Number: 68573 Batch Start Date: 12/13/12 12:13 Batch Analyst: Harshman, Tom

Batch Method: Moisture Batch End Date: 12/14/12 10:35

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
240-18735-A-5	070-0058-0001-ID W	Moisture	T	4.3988 g	13.0549 g	12.0083 g			

Batch Notes	
Balance ID	B047 No Unit
Date samples were placed in the oven	12/13/12
Oven Temp when samples are put in oven	103.5 Degrees C
Time samples were place in the oven	15:30
Date samples were removed from oven	12/14/12
Oven Temp when samples removed from oven	103.9 Degrees C
Time Samples were removed from oven	05:10
Oven ID	002
ID number of the thermometer	Tempguard Box C #6

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Batch Number: 69525 Batch Start Date: 12/20/12 08:25 Batch Analyst: Nicholas, Courtney

Batch Method: 9012A Batch End Date: 12/20/12 09:25

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ChlorineCheck	SulfideCheck	DigestBlockID	DigestBlockPos
CCVH 240-69525/1		9012A, 9012A/DoD		50 mL	25 mL			A	1
CCVL 240-69525/2		9012A, 9012A/DoD		50 mL	25 mL			A	2
MB 240-69525/3		9012A, 9012A/DoD		0.99 g	25 mL			A	3
LCS 240-69525/4		9012A, 9012A/DoD		1.00 g	25 mL			A	4
240-18735-B-5	070-0058-0001-ID W	9012A, 9012A/DoD	T	1.00 g	25 mL	no	no	B	4

Lab Sample ID	Client Sample ID	Method Chain	Basis	WCCN10PPM1 00087	WCCNLCS 00016				
CCVH 240-69525/1		9012A, 9012A/DoD		0.5 mL					
CCVL 240-69525/2		9012A, 9012A/DoD		0.125 mL					
MB 240-69525/3		9012A, 9012A/DoD							
LCS 240-69525/4		9012A, 9012A/DoD			5 mL				
240-18735-B-5	070-0058-0001-ID W	9012A, 9012A/DoD	T						

Batch Notes	
Batch Comment	beakers 714538, traps 725471
Magnesium Chloride Lot Number	775829
Sodium Hydroxide Reagent ID Number	673114
Pipette ID	377856, 380195
Sulfamic Acid Reagent ID Number	732142
Sulfuric Acid Reagent ID Number	787798
Uncorrected Distill Temperature	125 Degrees C

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Batch Number: 69587 Batch Start Date: 12/20/12 09:08 Batch Analyst: Nicholas, Courtney

Batch Method: 9012A/DoD Batch End Date: 12/20/12 10:19

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	WCCN.01MRL1 00072	WCCN.1CCV1 00087	WCCN.1ICV2 00091	
ICV 240-69587/4		9012A/DoD		2 mL	2 mL			2 mL	
ICB 240-69587/5		9012A/DoD		2 mL	2 mL				
MRL 240-69587/6		9012A/DoD		2 mL	2 mL	2 mL			
CCV 240-69587/7		9012A/DoD		2 mL	2 mL		2 mL		
CCB 240-69587/8		9012A/DoD		2 mL	2 mL				
CCVH 240-69525/1-A		9012A/DoD		2 mL	2 mL				
CCVL 240-69525/2-A		9012A/DoD		2 mL	2 mL				
MB 240-69525/3-A		9012A/DoD		2 mL	2 mL				
LCS 240-69525/4-A		9012A/DoD		2 mL	2 mL				
CCV 240-69587/17		9012A/DoD		2 mL	2 mL		2 mL		
CCB 240-69587/18		9012A/DoD		2 mL	2 mL				
240-18735-B-5-B	070-0058-0001-IDW	9012A/DoD	T	2 mL	2 mL				
CCV 240-69587/22		9012A/DoD		2 mL	2 mL		2 mL		
CCB 240-69587/23		9012A/DoD		2 mL	2 mL				
MRL 240-69587/29		9012A/DoD		2 mL	2 mL	2 mL			

Batch Notes	
Batch Comment	NaOH=673114
Buffer Reagent ID Number	556042
Chloramine-T Reagent ID Number	609470
Pyridine-Barbituric Acid Reagent ID	555981, 556020

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Batch Number: 69982 Batch Start Date: 12/24/12 10:50 Batch Analyst: Martin, Aaron

Batch Method: 9012A Batch End Date: 12/24/12 11:50

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ChlorineCheck	SulfideCheck	DistillpHCheck	DigestBlockID
MB 240-69982/1		9012A, 9012A/DoD		50 mL	25 mL				A
LCS 240-69982/2		9012A, 9012A/DoD		50 mL	25 mL				A
240-18735-A-6	070-0059-0001-ID W	9012A, 9012A/DoD	T	50 mL	25 mL	N	N	10	A
240-18735-A-6 MS	070-0059-0001-ID W	9012A, 9012A/DoD	T	50 mL	25 mL	N	N	10	A
240-18735-A-6 MSD	070-0059-0001-ID W	9012A, 9012A/DoD	T	50 mL	25 mL	N	N	10	A
CCVL 240-69982/25		9012A, 9012A/DoD		50 mL	25 mL				C
CCVH 240-69982/26		9012A, 9012A/DoD		50 mL	25 mL				C

Lab Sample ID	Client Sample ID	Method Chain	Basis	DigestBlockPos	WCCN10PPM1 00088	WCCN1PPMMSD2 00098	WCCNLCS 00016		
MB 240-69982/1		9012A, 9012A/DoD		1					
LCS 240-69982/2		9012A, 9012A/DoD		2			5 mL		
240-18735-A-6	070-0059-0001-ID W	9012A, 9012A/DoD	T	3					
240-18735-A-6 MS	070-0059-0001-ID W	9012A, 9012A/DoD	T	4		2 mL			
240-18735-A-6 MSD	070-0059-0001-ID W	9012A, 9012A/DoD	T	5		2 mL			
CCVL 240-69982/25		9012A, 9012A/DoD		5	0.125 mL				
CCVH 240-69982/26		9012A, 9012A/DoD		6	0.5 mL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Batch Number: 69982 Batch Start Date: 12/24/12 10:50 Batch Analyst: Martin, Aaron

Batch Method: 9012A Batch End Date: 12/24/12 11:50

Batch Notes	
Batch Comment	beakers 714538, traps 725471
Magnesium Chloride Lot Number	775829
Sodium Hydroxide Reagent ID Number	673114
Pipette ID	377856, 380195
Sulfamic Acid Reagent ID Number	732142
Sulfuric Acid Reagent ID Number	787798
Uncorrected Distill Temperature	125 Degrees C

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Batch Number: 70054 Batch Start Date: 12/24/12 11:18 Batch Analyst: Martin, Aaron

Batch Method: 9012A/DoD Batch End Date: 12/24/12 14:07

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	WC0.25NAOH 00012	WCCN.01MRL1 00073	WCCN.1CCV1 00088	WCCN.1ICV2 00092
ICV 240-70054/4		9012A/DoD		2 mL	2 mL				2 mL
ICB 240-70054/5		9012A/DoD		2 mL	2 mL	2 mL			
MRL 240-70054/6		9012A/DoD		2 mL	2 mL		2 mL		
CCVL 240-69982/25-A		9012A/DoD		2 mL	2 mL				
CCV 240-70054/31		9012A/DoD		2 mL	2 mL			2 mL	
CCB 240-70054/32		9012A/DoD		2 mL	2 mL				
MB 240-69982/1-A		9012A/DoD		2 mL	2 mL				
240-18735-A-6-A	070-0059-0001-IDW	9012A/DoD	T	2 mL	2 mL				
240-18735-A-6-BMS	070-0059-0001-IDW	9012A/DoD	T	2 mL	2 mL				
CCV 240-70054/42		9012A/DoD		2 mL	2 mL			2 mL	
CCB 240-70054/43		9012A/DoD		2 mL	2 mL				
CCV 240-70054/49		9012A/DoD		2 mL	2 mL			2 mL	
CCB 240-70054/50		9012A/DoD		2 mL	2 mL				
LCS 240-69982/2-A		9012A/DoD		2 mL	2 mL				
CCVH 240-69982/26-A		9012A/DoD		2 mL	2 mL				
CCV 240-70054/53		9012A/DoD		2 mL	2 mL			2 mL	
CCB 240-70054/54		9012A/DoD		2 mL	2 mL				
CCV 240-70054/55		9012A/DoD		2 mL	2 mL			2 mL	
CCB 240-70054/56		9012A/DoD		2 mL	2 mL				
240-18735-A-6-CMSD	070-0059-0001-IDW	9012A/DoD	T	2 mL	2 mL				
CCV 240-70054/59		9012A/DoD		2 mL	2 mL			2 mL	
CCB 240-70054/60		9012A/DoD		2 mL	2 mL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-2

SDG No.:

Batch Number: 70054 Batch Start Date: 12/24/12 11:18 Batch Analyst: Martin, Aaron

Batch Method: 9012A/DoD Batch End Date: 12/24/12 14:07

Batch Notes	
Batch Comment	NaOH 673114
Buffer Reagent ID Number	528652
Chloramine-T Reagent ID Number	609500
Pyridine-Barbituric Acid Reagent ID	556033

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Batch Number: 7816 Batch Start Date: 12/26/12 06:53 Batch Analyst: Phan, Tuan

Batch Method: 353.2 (NCell) Batch End Date: 12/26/12 11:15

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	HPNCSP 00007			
MB 320-7816/1		353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050		100 mL	45 mL				
LCS 320-7816/2		353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050		100 mL	45 mL	1 mL			
240-18735-Q-3	070-0056-0001-SOURCE WATER	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	100 mL	45 mL				
240-18735-Q-4	070-0057-0001-SOURCE WATER	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	100 mL	45 mL				

Batch Notes	
Acetone Lot #	Acetone_00006
Centrifuge Tube	2223568
Membrane Filter	MILLIPORE R2JA47614
Millipore Water Dispense Date	12/13/12

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Batch Number: 7878 Batch Start Date: 12/27/12 05:45 Batch Analyst: Phan, Tuan

Batch Method: 353 (NCell-Hyd) Batch End Date: 12/27/12 07:40

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
MB 320-7816/1-A		353 (NCell-Hyd), WS-WC-0050		45 mL	40 mL				
LCS 320-7816/2-A		353 (NCell-Hyd), WS-WC-0050		45 mL	40 mL				
240-18735-Q-3-B	070-0056-0001-SOURCE WATER	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-18735-Q-4-B	070-0057-0001-SOURCE WATER	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				

Batch Notes	
0.45 Filter Vendor/Lot	MILLIPORE LOT R2DA02309
Centrifuge Tube	2223568
Sulfuric Acid Lot Number	SULFURIC ACID_00001
Millipore Water Dispense Date	12/13/12
NaOH Lot #	SODIUM HYDROX_00001

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18735-2

SDG No.:

Batch Number: 8009 Batch Start Date: 12/27/12 13:05 Batch Analyst: Baynes, Jason

Batch Method: WS-WC-0050 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	WC-353.2-ICV 00015	WC-353.2-L1 00014	WC-353.2-L4 00010			
ICV 320-8009/8		WS-WC-0050		# mL					
MRL 320-8009/10		WS-WC-0050			# mL				
MRL 320-8009/20		WS-WC-0050			# mL				
CCV 320-8009/21		WS-WC-0050				# mL			
LCS 320-8009/27		WS-WC-0050		# mL					
MRL 320-8009/31		WS-WC-0050			# mL				
CCV 320-8009/32		WS-WC-0050				# mL			

Batch Notes	
Nitrocellulose Assay	0.119
Color Reagent 1 ID	4525-WC-16-3 e. 3/17/13
NO2/NO3 Indicator ID #	4525-WC-16-7 e. 12/27/13

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Subcontract Data

Shipping and Receiving Documents

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: _____

Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other _____

TestAmerica Laboratories, Inc.

Client Contact				
Company Name: ECC	Client Project Manager: A. EASTABROOK	Site Contact: J. DONOVAN	Lab Contact: M. LOEB — SULFIDE TOTAL CYANIDE	COC No: 050743
Address: 33 BOSTON POST RD	Telephone:	Telephone:	Telephone: REACTIVITY, CORROSIVITY IGNITIBILITY	1 of 3 COCs
City/State/Zip: MARLBORO MA	Email:	Analysis Turnaround Time (in BUS days)	Analyses	For lab use only
Phone:		TAT if different from below _____ ☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		Walk-in client: ☐ Lab pickup: ☐ Lab sampling: ☐
Project Name:	Method of Shipment/Carrier: DEL. TO LAB			Job/SDG No:
Project Number:	Shipping/Tracking No:			

PO #			Matrix					Containers & Preservatives							Filtered Sample (Y / N)	Composite C / Grab G	VOC / MTBE	GRO	DRO / TAL METALS	PEST / PCB	HERBICIDES	EXPLOSIVES	PRODUCTANTS	o/o SOLID	SVOC / PAH	TCLP / ICP	Sample Specific Notes / Special Instructions:
Sample Identification	Sample Date	Sample Time	Air	Aqueous	Sediment	Solid	Other:	UNPRES / WATER	HNO3	HCl	NaOH	ZnAc/ NaOH	Unpres	Other: 01													
070SB-0042M-0001-SO	12-12-12	1030				X		X					X	X				X						X			
070SB-0042M-0002-SO		1030				X		X					X	X				X						X			MS/MSD
070SB-0055-0001-TB		0800		X						X				X				X									TRIP BLK
070-0056-0001-SOURCE WATER		1300		X					X	X			X				X	X	X	X	X	X	X		X		SOURCE WATER DRILLER
070-0057-0001-SOURCE WATER		1315		X					X	X			X				X	X	X	X	X	X	X		X		SOURCE WATER ECC
070-0058-0001-IDW		1330				X							X												X	X	IDW TCLP SOLID
070-0059-0001-IDW		1330		X						X	X						X									X	IDW TCLP LIQUIDS
070-0060-0001-TB	↓	0800																									TRIP BLK

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments:

ANY QUES ON TCLP ANALYSIS CALL JACKSON KIKER AT ECC

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	ECC	12-12-12 1702			12-12-12
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: [signature]	Company: TAL	Date/Time: 12/12/12 1702

Page 3289 of 3295

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Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: _____
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other _____

TestAmerica Laboratories, Inc.

Client Contact				
Company Name: KCL	Client Project Manager: AL FASTRAM	Site Contact: J. DONOVAN	Lab Contact: MARK LOEB	COC No: 050742
Address: 33 BOSTON POST RD WEST	Telephone:	Telephone:	Telephone:	2 of 3 COCs
City/State/Zip: MARLBORO MA 01752	Email:	Analysis Turnaround Time (in BUS days): TAT if different from below _____ STANDARD ☐ 5 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day	Analyses: 1,2,4 CHROM	For lab use only: ☐ Walk-in client ☐ Lab picking ☐ Lab sampling Job/SDG No.:
Phone:				
Project Name:	Method of Shipment/Carrier: DEL. TO LAB			
Project Number:	Shipping/Tracking No:			
PO#				

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Unpres	Other:	Filtered Sample (Y / N)	Composite (C) / Grab (G)	Sample Specific Notes / Special Instructions:
07658-0119-0001-SO	12-11-12	0910				X							X			X	
07658-0120-0001-SO	↓	1120				↓							↓			↓	
07658-0121-0001-SO		1050															
07658-0122-0001-SO		0930															
07658-0123-0001-SO		0950															
07658-0124-0001-SO	↓	1015															
07658-0125-0001-SO	12-12-12	1015															
07658-0125-0002-SO	12-12-12	1015															MS/MSD
07658-0126-0001-SO	12-11-12	1555															
07658-0127-0001-SO	↓	1555				↓							↓			↓	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments:
DISCRETE SAMPLES, DO NOT DNV

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	KCL	12-12-12 1707			12-12-12
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: [signature]	Company: TVA	Date/Time: 12/12/12 1707

Page 3290 of 3295

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Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: _____
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other _____

TestAmerica Laboratories, Inc.

Client Contact				
Company Name: ECC	Client Project Manager: AL BASTIAN	Site Contact: J. DONOVAN	Lab Contact: MARK LOHR	COC No: 049454
Address: 33 BOSTON POST ROAD W #4	Telephone:	Telephone:	Telephone:	3 of 3 COCs
City/State/Zip: MARLBORO MA	Email:	Analysis Turnaround Time (calendar days)	Analyses	For lab use only
Phone:		TAT if different from below: STANDARD		Walk-in client ☐ Lab pickup ☐ Lab sampling ☐
Project Name:	Method of Shipment/Carrier: DEL. TO LAB	☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		Job/SDG No.:
Project Number:	Shipping/Tracking No:			

PO #	Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other:	Filtered Sample (Y / N)	Composites / Grabs	HEX. CHROM								Sample Specific Notes / Special Instructions:
	0765B-0128-0001-SO	12-11-12	1520				X											X								
	0765B-0129-0001-SO	↓	1450																							
	0765B-0130-0001-SO	12-12-12	1049																							
	0765B-0131-0001-SO	↓	1124																							
	0765B-0132-0001-SO	12-11-12	1225																							
	0765B-0133-0001-SO		1225																							
	0765B-0134-0001-SO		1315																							
	0765B-0135-0001-SO		1340																							
	0765B-0136-0001-SO	↓	1410				X											↓								

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments:
DISCRETE, DO NOT DRY

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	ECC	12-12-12 1707			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:
				TAL	12/12/12 1707

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TAL 0018- 1 (04/10)

TestAmerica Canton Sample Receipt Form/Narrative **Login # :** 18735

Client ECC Site Name _____ By: _____

Cooler Received on 12-12-12 Opened on 12-12-12 (Signature)

FedEx: 1st Grd Exp UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____

TestAmerica Cooler # _____ Foam Box Client Cooler Box Other _____

Packing material used: Bubble Wrap Foam Plastic Bag None Other _____

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# 1	(CF –2 °C) Observed Sample Temp._____°C	Corrected Sample Temp._____°C	☐ Multiple on Back
IR GUN# 4G	(CF 0 °C) Observed Sample Temp._____°C	Corrected Sample Temp._____°C	
IR GUN# 5G	(CF 0 °C) Observed Sample Temp._____°C	Corrected Sample Temp._____°C	
IR GUN# 8	(CF 0 °C) Observed Sample Temp._____°C	Corrected Sample Temp._____°C	

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity_____	Yes	No
-Were custody seals on the outside of the cooler(s) signed & dated?	Yes	No NA
-Were custody seals on the bottle(s)?	Yes	No
3. Shippers' packing slip attached to the cooler(s)? CSL 12/12/12	Yes	No
4. Did custody papers accompany the sample(s)?	Yes	No
5. Were the custody papers relinquished & signed in the appropriate place?	Yes	No
6. Did all bottles arrive in good condition (Unbroken)?	Yes	No
7. Could all bottle labels be reconciled with the COC?	Yes	No
8. Were correct bottle(s) used for the test(s) indicated?	Yes	No
9. Sufficient quantity received to perform indicated analyses?	Yes	No
10. Were sample(s) at the correct pH upon receipt?	Yes	No NA
11. Were VOAs on the COC?	Yes	No
12. Were air bubbles >6 mm in any VOA vials?	Yes	No NA
13. Was a trip blank present in the cooler(s)?	Yes	No

Contacted PM MJL Date 12/12/12 by CSL via Verbal Voice Mail Other

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

58-0001-FOW recvd soil and water, but did not get 59-0001-FOW will log 58 water ~~in place of~~ as 59. Will log per COC.

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in Sample Receiving to meet recommended pH level(s). Nitric Acid Lot# 031512-HNO3; Sulfuric Acid Lot# 051012-H2SO4; Sodium Hydroxide Lot# 121809 -NaOH; Hydrochloric Acid Lot# 041911-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-(CH3COO)2ZN/NaOH. What time was preservative added to sample(s)?

Client ID	pH	Date	Initials
56	12	12/12/12	CSL
57	12	"	"

Cooler #	Observed Sample Temp. °C	Corrected Sample Temp. °C	IR #	Coolant
TA Nott	4.2	4.2	46	Ice
Client	3.8	3.8	"	"
"	4.6	4.6	"	"
"	4.0	4.0	"	"

Login Sample Receipt Checklist

Client: Environmental Chemical Corp.

Job Number: 240-18735-2

Login Number: 18735
List Number: 1
Creator: Gamber, Tom

List Source: TestAmerica Pittsburgh
List Creation: 12/20/12 05:53 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Environmental Chemical Corp.

Job Number: 240-18735-2

Login Number: 18735
List Number: 1
Creator: Sadler, William

List Source: TestAmerica Sacramento
List Creation: 12/14/12 10:07 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	