



**CONESTOGA-ROVERS
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July 15, 2013

Reference No. 012607

Mr. Greg Rudloff
U.S. Environmental Protection Agency, Region 5
Land and Chemicals Division
77 West Jackson Blvd., LU-9J
Chicago, Illinois 60604-3590

Dear Mr. Rudloff:

RE: 1st Semi-Annual 2013 Progress Report
Performance-Based Administrative Order on Consent
Docket Number RCRA-05-2011-0025
13000 Eckles Road Site, Livonia, Michigan
USEPA ID No. MID 005 356 621

In accordance with the Performance-Based Administrative Order on Consent between the U.S. Environmental Protection Agency Region 5 (USEPA) and Revitalizing Auto Communities Environmental Response Trust (RACER), please find the attached progress report for the 1st half of 2013 (January 1, 2013 through June 30, 2013).

Please contact Grant Trigger or Jeff Crum (regarding soil vapor related matters), or Dave Favero or myself (regarding system operation and groundwater matters) if you would like to discuss further. Thank you.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Christopher J. Meincke, P.E.

CJM/ds/11/Det.

Attachment A: 1st Semi-Annual 2013 Progress Report

Attachment B: AOI 31 Groundwater Sample Results

cc: Christina Rose Bush, MDCH
Grant Trigger, RACER
Dave Favero, RACER
Richard Conforti, MDEQ
Jeff Crum, Hamp, Mathews & Associates
Livonia Civic Center Library

ATTACHMENT A

**1st SEMI-ANNUAL 2013 PROGRESS REPORT
PERFORMANCE-BASED ADMINISTRATIVE ORDER ON CONSENT
13000 ECKLES ROAD SITE, LIVONIA, MICHIGAN
JANUARY 1, 2013 TO JUNE 30, 2013**

DESCRIPTION OF WORK COMPLETED

- Continued operation of the Area 1 French Drain Collection Trench and Groundwater Treatment system.
- Submitted a 2nd Semi-Annual 2012 Progress Report dated January 15, 2013 to USEPA.
- Submitted a Semi-Annual Report for Special Discharge Permit SD6-94508 dated March 14, 2013 to the City of Detroit Water and Sewerage Department for the period of September 2012 through February 2013.
- Participated in a conference call on February 14, 2013 with USEPA and RACER regarding USEPA's e-mail comments and recommendations of RACER's draft vapor intrusion investigation summary report provided to USEPA on December 6, 2012.
- Began preparation of a letter to update residents of vapor intrusion investigation status and plans for completing the investigation process.
- Reviewed and commented on draft MDCH Health Consultation Report March 26, 2013 that was prepared by Christina Bush of MDCH.
- Participated in a conference call on April 10, 2013 with EPA, RACER and MDCH to discuss variability in vapor intrusion investigation data, TCE short-term risk, and multiple lines of evidence as it relates to the investigation findings at the Eckles Road off-site residential vapor intrusion investigation.
- Continued preparation of report titled, "Vapor Intrusion Investigation Results and Evidence for No Further Action at the Off-Site Residential Area Near the RACER Trust Livonia Eckles Road Site".
- Began preparation of joint USEPA and RACER letter to foreclosing agency of Home 7 to obtain access to conduct 180-day vapor mitigation performance monitoring.
- Participated in a conference call with MDCH and RACER to address TCE short-term risk and consistency in reporting of evidence for incomplete vapor intrusion pathway on May 3 and 10, 2013.
- Performed groundwater elevation and LNAPL thickness measurement activities at AOI 21 monitoring wells on March 28 and May 13, 2013.
- Collected groundwater samples from Area 1 monitoring wells on January 2-4, 2013 as part of additional Area 1 Characterization activities.
- Participated in a meeting with DWSD staff to explore alternative permit discharge effluent requirements.
- Continued evaluation of potential cost savings and remedial alternatives to decrease the long-term OM&M costs associated with the Area 1 Groundwater Collection and Treatment System.

DATA COLLECTED

- Analytical results of groundwater samples collected from AOI 31 monitoring wells in April 2012 and Area 1 monitoring wells in September 2012 are included in attached Table 1 and on Figures 1 and 2.
- Analytical results of groundwater samples collected from Area 1 monitoring wells in January 2013 are included in attached Table 2 and on Figure 2.
- Groundwater elevation contours from September 2012 and April 2012 measurement events are included on attached Figure 3.
- Groundwater elevation and LNAPL thickness measurements from AOI 21 monitoring wells are included on attached Figure 4.
- Data Validation memorandum are included in Exhibit A to this Attachment.
- The April 2012 AOI 31 groundwater sampling results are also presented in Attachment B.

PROBLEMS ENCOUNTERED

- Home 7 has not been able to be accessed to perform the scheduled 180-day post-installation performance monitoring of the vapor mitigation system due to foreclosure and the non-responsiveness of the foreclosing agency representatives.

ESTIMATED PERCENT COMPLETE AND INFORMATION SUMMARY FOR SELECTED ACTIVITIES

- O&M of the Groundwater Pump & Treat System (GWTP, Barrier Wall, Cover) 11%
Continued operation of the Area 1 French Drain Collection Trench and Groundwater Treatment system. Submitted appropriate discharge reports as per the Special Discharge Permit. (Percent complete estimated as 3 years complete of 27 years estimated in the May 2010 RCES.)
- Long-Term Groundwater Monitoring 100%
Long-Term Groundwater Monitoring Plan scheduled to be complete after 5 years of continued stability/reduction in off-Site/boundary concentrations (2006 through 2010). Sampling activities are currently planned to continue pending USEPA approval to cease monitoring.
- Maintenance of the AOI 39 Dust Control Plan 100%
- Restrictive Covenants 100%
- Vapor Intrusion Investigation 75%
- Installation of Vapor Mitigation System 100%
- Operation, Maintenance and Performance Monitoring of Vapor Mitigation System on-going
- Pilot Tests - Alternative Chemicals & Target In-Situ Treatment Injection 40%

Objective was to design, implement and evaluate a pilot test to use alternative chemicals in the wastewater treatment process that could reduce treatment system operating time and/or operating costs. Also, design and implement an in-situ stabilization treatment in Area 1 that could also reduce treatment system operating time and long-term monitoring duration. The Area 1 field pilot test was conducted in November and December 2010. Based on an evaluation of the pilot test results, additional pilot study injection and monitoring activities were recommended to determine if full-scale on-site implementation would significantly reduce dissolved concentrations of chromium and nickel and allow for the groundwater treatment plant activities to be reduced or eliminated. The groundwater treatment plant optimization activities have not been conducted due to health and safety concerns associated with handling, storing, and mixing the proposed replacement chemicals. Additional cost and remedial alternative evaluations were performed in 2013. Additional Area 1 Characterization activities have been implemented.

- Groundwater Treatment System Decommissioning & Removal 0%
Anticipated to be completed in 2037 per May 2010 RCES.
- Completion Report & Well Abandonment 0%
Anticipated to be completed in 2037 per May 201 RCES.

SUMMARY OF CONTACTS WITH INTERESTED PARTIES

- Discussions with City of Livonia and MDCH representatives regarding the results of the vapor intrusion investigation.

CHANGES IN PERSONNEL

- None

PROJECTED WORK FOR NEXT REPORTING PERIOD (JULY 2013 THROUGH DECEMBER 2013)

- Remove subslab and near-slab soil gas ports from residences
- Conduct a vapor mitigation performance evaluation and submit a summary of the vapor mitigation performance results and any system modifications, if needed, to USEPA
- Prepare and submit to USEPA a soil gas monitoring work plan to monitor potential spatial and temporal changes in the soil gas plume immediately above the water table to assure that VI pathway conditions remain not an indoor air risk
- Continued operation of the Area 1 French Drain Collection Trench and Groundwater Treatment system
- Complete quarterly groundwater elevation and LNAPL thickness measurements from AOI 21 monitoring wells
- Perform groundwater sampling activities in accordance with the revised Groundwater Monitoring Plan.

- Continue evaluation of potential cost savings and remedial alternatives to decrease the long-term OM&M costs associated with the Area 1 Groundwater Collection and Treatment System.
- Conduct meetings/information sessions with off-Site property owners related to AOI 31 groundwater and soil vapor as appropriate
- Prepare summaries of meetings, data reviews, or conference calls with USEPA, as appropriate
- Prepare the 2nd 2013 Semi-Annual Progress Report

Attachments:

Figure 1 – AOI 31 GMP Groundwater Sample Results

Figure 2 – Area 1 GMP and Additional Characterization Groundwater Sample Results

Figure 3 – Groundwater Elevation Contour Figure

Figure 4 – AOI 21 LNAPL Thickness Measurements

Table 1 – Area 1 and AOI 31 GMP Groundwater Sample Results

Table 2 – Area 1 Additional Characterization Groundwater Sample Results

Exhibit A – Data Validation Memorandum

A.1 – April 2012 AOI 31 Sampling Event

A.2 – September 2012 Area 1 GMP Event

A.3 – January 2013 Area 1 Additional Characterization Sampling

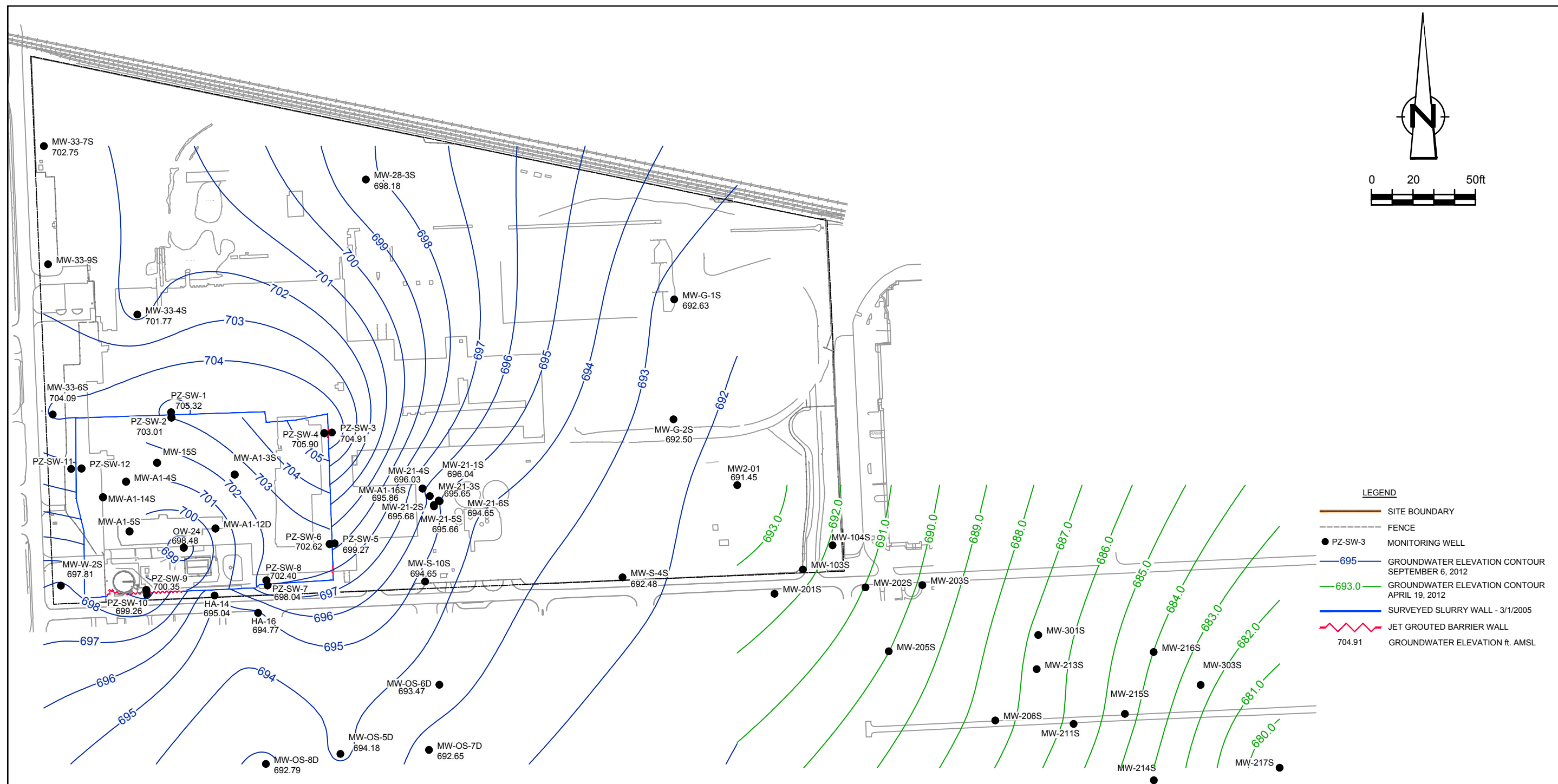


figure 3

GROUNDWATER ELEVATION CONTOURS - APRIL 19, 2012 AND SEPTEMBER 6, 2012
 1st 2013 SEMI ANNUAL REPORT
 13000 ECKLES ROAD SITE
 Livonia, Michigan



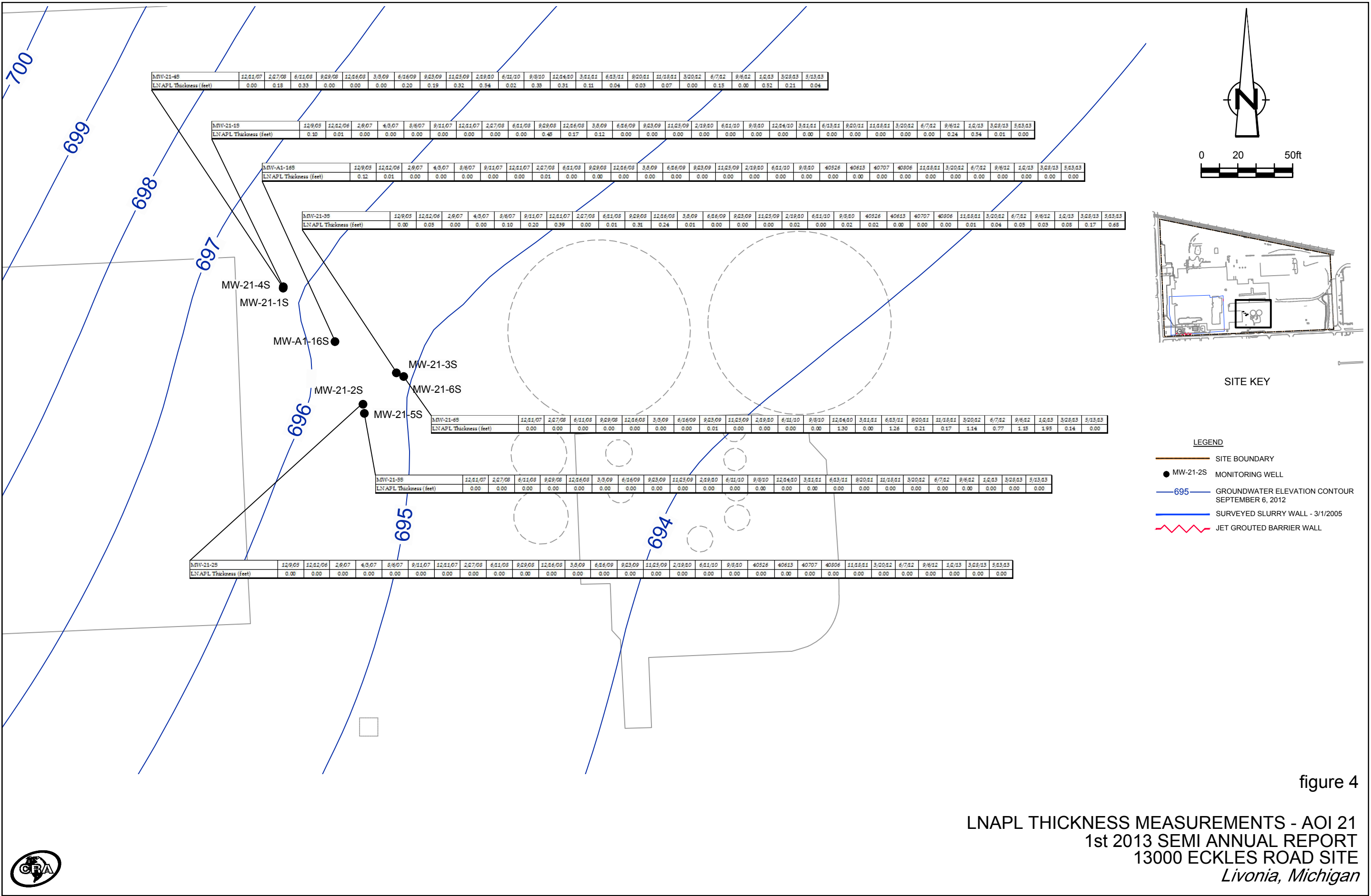


TABLE 1

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**ANALYTICAL RESULTS OF GROUNDWATER SAMPLES
1ST SEMI-ANNUAL REPORT 2013
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN**

AOI:	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31
Sample Location:	MW-103S	MW-104S	MW-201S	MW-202S	MW-202S	MW-203S
Sample ID:	GW-12607-041912-SK-059	GW-12607-041912-SK-060	GW-12607-041612-SK-047	GW-12607-041612-SK-048	GW-12607-041612-SK-049	GW-12607-041812-SK-056
Sample Date:	4/19/2012	4/19/2012	4/16/2012	4/16/2012	4/16/2012	4/18/2012
Sample Type:					(Duplicate)	

<i>Parameters</i>	<i>Units</i>						
VOCs							
1,1,1-Trichloroethane	ug/L	8.6	1.6	6.4	10	10	1.7
cis-1,2-Dichloroethene	ug/L	3.9	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	ug/L	--	--	--	--	--	1.0 U
Trichloroethene	ug/L	19	0.84 J	1.0 U	28	27	1.3
Vinyl chloride	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Metals							
Chromium	ug/L	--	--	--	--	--	--
Chromium III (trivalent)	mg/L	--	--	--	--	--	--
Chromium VI (hexavalent)	mg/L	--	--	--	--	--	--
Nickel	mg/L	--	--	--	--	--	--

Notes:

U Not detected at the associated reporting limit.

J Estimated concentration.

UJ Not detected; associated reporting limit is estimated.

-- Parameter not analyzed

TABLE 1

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**ANALYTICAL RESULTS OF GROUNDWATER SAMPLES
1ST SEMI-ANNUAL REPORT 2013
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN**

AOI:	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31
Sample Location:	MW-205S	MW-206S	MW-211S	MW-213S	MW-215S	MW-216S
Sample ID:	GW-12607-042512-SK-061	GW-12607-041612-SK-051	GW-12607-041712-SK-053	GW-12607-041712-SK-052	GW-12607-041712-SK-054	GW-12607-041812-SK-058
Sample Date:	4/25/2012	4/16/2012	4/17/2012	4/17/2012	4/17/2012	4/18/2012
Sample Type:						

Parameters	Units						
VOCs							
1,1,1-Trichloroethane	ug/L	7.1	16	4.1	14	12	1.0 U
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	3.3 U	1.4 U	1.0 U
Tetrachloroethene	ug/L	1.0 U	1.0 U	1.0 U	3.3 U	1.4 U	1.0 U
trans-1,2-Dichloroethene	ug/L	1.0 U	--	--	3.3 U	--	--
Trichloroethene	ug/L	1.0 U	1.0 U	1.0 U	93	36	1.0 U
Vinyl chloride	ug/L	1.0 U	1.0 U	1.0 U	3.3 U	1.4 U	1.0 U
Metals							
Chromium	ug/L	--	--	--	--	--	--
Chromium III (trivalent)	mg/L	--	--	--	--	--	--
Chromium VI (hexavalent)	mg/L	--	--	--	--	--	--
Nickel	mg/L	--	--	--	--	--	--

TABLE 1

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**ANALYTICAL RESULTS OF GROUNDWATER SAMPLES
1ST SEMI-ANNUAL REPORT 2013
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN**

AOI:	AOI 31	AOI 31	AOI 31	Area 01	Area 01	Area 01
Sample Location:	MW-217S	MW-301S	MW-303S	HA-14	HA-16	MW-OS-5D
Sample ID:	GW-12607-041612-SK-050	GW-12607-041812-SK-057	GW-12607-041712-SK-055	GW-12607-090512-SK-053	GW-12607-090412-SK-049	GW-12607-090412-SK-048
Sample Date:	4/16/2012	4/18/2012	4/17/2012	9/5/2012	9/4/2012	9/4/2012
Sample Type:						

Parameters	Units					
VOCs						
1,1,1-Trichloroethane	ug/L	45	11	1.0 U	--	--
cis-1,2-Dichloroethene	ug/L	1.7 U	1.4	1.0 U	--	--
Tetrachloroethene	ug/L	1.7 U	1.0 U	1.0 U	--	--
trans-1,2-Dichloroethene	ug/L	--	1.0 U	--	--	--
Trichloroethene	ug/L	1.7 U	1.0 U	1.0 U	--	--
Vinyl chloride	ug/L	1.7 U	1.0 U	1.0 U	--	--
Metals						
Chromium	ug/L	--	--	--	5.0 U	--
Chromium III (trivalent)	mg/L	--	--	--	0.010 U	--
Chromium VI (hexavalent)	mg/L	--	--	--	0.010 U	--
Nickel	mg/L	--	--	--	2.5	420 .010 J

TABLE 1
ANALYTICAL RESULTS OF GROUNDWATER SAMPLES
1ST SEMI-ANNUAL REPORT 2013
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

AOI:	<i>Area 01</i>	<i>Area 01</i>	<i>Area 01</i>	<i>Area 01</i>	<i>Area 01</i>
Sample Location:	MW-OS-6D	MW-OS-7D	MW-OS-7D	MW-OS-8D	OW-24
Sample ID:	GW-12607-090512-SK-052	GW-12607-090512-SK-050	GW-12607-090512-SK-051	GW-12607-090412-SK-047	GW-12607-090512-SK-054
Sample Date:	9/5/2012	9/5/2012	9/5/2012	9/4/2012	9/5/2012
Sample Type:	(Duplicate)				

<i>Parameters</i>	<i>Units</i>					
VOCs						
1,1,1-Trichloroethane	ug/L	--	--	--	--	--
cis-1,2-Dichloroethene	ug/L	--	--	--	--	--
Tetrachloroethene	ug/L	--	--	--	--	--
trans-1,2-Dichloroethene	ug/L	--	--	--	--	--
Trichloroethene	ug/L	--	--	--	--	--
Vinyl chloride	ug/L	--	--	--	--	--
Metals						
Chromium	ug/L	--	--	--	--	200000
Chromium III (trivalent)	mg/L	--	--	--	--	11
Chromium VI (hexavalent)	mg/L	--	--	--	--	190
Nickel	mg/L	.011 J	.020	.018 J	.005 J	15

TABLE 2

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**ANALYTICAL RESULTS OF GROUNDWATER SAMPLES
AREA 1 ADDITIONAL CHARACTERIZATION
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN**

AOI:		<i>Area 01</i>	<i>Area 01</i>	<i>Area 01</i>	<i>Area 01</i>	<i>Area 01/Area 03/AOI 22</i>	<i>Area 01/Area 03/AOI 22</i>
Sample Location:		<i>HA-14</i>	<i>HA-15</i>	<i>HA-16</i>	<i>HA-16</i>	<i>MW-22-2D</i>	<i>MW-22-2D</i>
Sample ID:		<i>GW-012607-010413-JY-027</i>	<i>GW-012607-010313-JY-009</i>	<i>GW-012607-010213-JY-001</i>	<i>GW-012607-010213-JY-002</i>	<i>GW-012607-010413-JY-023</i>	<i>GW-012607-010413-JY-024</i>
Sample Date:		<i>1/4/2013</i>	<i>1/3/2013</i>	<i>1/2/2013</i>	<i>1/2/2013</i>	<i>1/4/2013</i>	<i>1/4/2013</i>
Sample Type:					<i>(Duplicate)</i>		<i>(Duplicate)</i>
Parameters	Units						
Metals							
Chromium	ug/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Chromium III (trivalent)	mg/L	--	--	--	--	--	--
Chromium VI (hexavalent)	mg/L	--	--	--	--	--	--
Nickel	ug/L	3.2	12	390	400	35	34
Field Parameters							
Conductivity, field	umhos/cm	0.549	0.508	4.94	4.94	1.99	1.99
Dissolved oxygen (DO), field	mg/L	0.18	0.5	0.29	0.29	0.19	0.19
Oxidation reduction potential (ORP), field	millivolts	-83	-35	-30	-30	10	10
pH, field	S.U.	7.58	7.38	6.47	6.47	7.3	7.3
Temperature, field	Deg C	11.33	11.16	12.59	12.59	11.92	11.92
Turbidity, field	NTU	1.13	0.88	2.21	2.21	7.39	7.39

Notes:

U Not detected at the associated reporting limit.

J Estimated concentration.

UJ Not detected; associated reporting limit is estimated.

-- Parameter not analyzed

TABLE 2

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**ANALYTICAL RESULTS OF GROUNDWATER SAMPLES
AREA 1 ADDITIONAL CHARACTERIZATION
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN**

AOI:		<i>Area 01</i>	<i>Area 01</i>	<i>Area 01</i>	<i>Area 01</i>	<i>Area 01</i>	<i>Area 01</i>
Sample Location:		<i>MW-23D-12</i>	<i>MW-24D-10</i>	<i>MW-25D-12</i>	<i>MW-26D-12</i>	<i>MW-27</i>	<i>MW-27D-12</i>
Sample ID:		<i>GW-012607-010313-JY-020</i>	<i>GW-012607-010313-JY-014</i>	<i>GW-012607-010313-JY-019</i>	<i>GW-012607-010313-JY-016</i>	<i>GW-012607-010313-JY-006</i>	<i>GW-012607-010413-JY-028</i>
Sample Date:		<i>1/3/2013</i>	<i>1/3/2013</i>	<i>1/3/2013</i>	<i>1/3/2013</i>	<i>1/3/2013</i>	<i>1/4/2013</i>
Sample Type:							
Parameters	Units						
Metals							
Chromium	ug/L	100	0.005 U	2.1	0.005 U	0.005 U	220
Chromium III (trivalent)	mg/L	0.010 U	0.010 U	0.010 U	0.010 U	--	0.010 U
Chromium VI (hexavalent)	mg/L	110	0.010 U	2.3	0.010 U	--	250
Nickel	ug/L	0.14	11	1.7	17	13	0.6
Field Parameters							
Conductivity, field	umhos/cm	0.793	0.604	1.007	0.985	0.76	1.031
Dissolved oxygen (DO), field	mg/L	0.2	0.09	0.11	0.15	0.58	0.13
Oxidation reduction potential (ORP), field	millivolts	40	-98	-6	-1	13	54
pH, field	S.U.	7.21	7.15	7.42	7.12	7.38	7.24
Temperature, field	Deg C	13.19	14.05	14.27	13.47	12.25	14.38
Turbidity, field	NTU	1.6	1.27	3.31	1.44	2	2.64

TABLE 2

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**ANALYTICAL RESULTS OF GROUNDWATER SAMPLES
AREA 1 ADDITIONAL CHARACTERIZATION
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN**

AOI:		<i>Area 01</i>	<i>Area 01</i>	<i>Area 01</i>	<i>Area 01</i>	<i>Area 01</i>	<i>Area 01</i>
Sample Location:		MW-28D-12	MW-29D-12	MW-30D-12	MW-31D-12	MW-32D-12	MW-33D-12
Sample ID:		GW-012607-010313-JY-022	GW-012607-010313-JY-021	GW-012607-010313-JY-015	GW-012607-010413-JY-031	GW-012607-010413-JY-030	GW-012607-010313-JY-018
Sample Date:		1/3/2013	1/3/2013	1/3/2013	1/4/2013	1/4/2013	1/3/2013
Sample Type:							
Parameters	Units						
Metals							
Chromium	ug/L	75	0.018	0.005 U	58	120	110
Chromium III (trivalent)	mg/L	0.72	0.013	0.010 U	0.010 U	0.010 U	0.010 U
Chromium VI (hexavalent)	mg/L	74	0.0051 J	0.010 U	60	120	110
Nickel	ug/L	0.46	6.1	130	0.2	1.5	4.4
Field Parameters							
Conductivity, field	umhos/cm	0.661	0.816	1.097	0.977	0.695	0.654
Dissolved oxygen (DO), field	mg/L	0.07	0.26	0.14	0.12	0.13	0.17
Oxidation reduction potential (ORP), field	millivolts	82	53	18	37	57	81
pH, field	S.U.	7.3	7.06	6.62	7.61	7.27	7.05
Temperature, field	Deg C	14.46	14.6	14	14.52	14.98	13.76
Turbidity, field	NTU	4.42	2.6	6.82	3.74	1.99	0.95

TABLE 2

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**ANALYTICAL RESULTS OF GROUNDWATER SAMPLES
AREA 1 ADDITIONAL CHARACTERIZATION
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN**

AOI:		<i>Area 01</i>	<i>Area 01</i>	<i>Area 01/Area 03</i>	<i>Area 01/Area 03</i>	<i>Area 01/Area 03</i>	<i>Area 01</i>
Sample Location:		<i>MW-34D-12</i>	<i>MW-34D-12</i>	<i>MW-A1-11D</i>	<i>MW-A1-11S</i>	<i>MW-A1-12D</i>	<i>MW-OS-3D</i>
Sample ID:		<i>GW-012607-010313-JY-012</i>	<i>GW-012607-010313-JY-013</i>	<i>GW-012607-010313-JY-011</i>	<i>GW-012607-010313-JY-010</i>	<i>GW-012607-010313-JY-017</i>	<i>GW-012607-010213-JY-003</i>
Sample Date:		<i>1/3/2013</i>	<i>1/3/2013</i>	<i>1/3/2013</i>	<i>1/3/2013</i>	<i>1/3/2013</i>	<i>1/2/2013</i>
Sample Type:			<i>(Duplicate)</i>				
Parameters	Units						
Metals							
Chromium	ug/L	0.0026 J	0.0024 J	0.005 U	0.005 U	3.1	0.005 U
Chromium III (trivalent)	mg/L	0.010 U	0.010 U	0.010 U	0.010 U	0.14	--
Chromium VI (hexavalent)	mg/L	0.010 U	0.010 U	0.010 U	0.010 U	3.0	--
Nickel	ug/L	130	130	30	0.85	3.6	9.6
Field Parameters							
Conductivity, field	umhos/cm	0.676	0.676	0.797	0.777	0.544	0.617
Dissolved oxygen (DO), field	mg/L	0.05	0.05	0.12	0.13	0.01	0.06
Oxidation reduction potential (ORP), field	millivolts	4	4	-23	-31	-35	-67
pH, field	S.U.	6.75	6.75	7.44	7.68	7.29	7.27
Temperature, field	Deg C	13.48	13.48	13.24	12.75	12.57	11.75
Turbidity, field	NTU	4.69	4.69	2.78	9.24	0.79	10.1

TABLE 2

ANALYTICAL RESULTS OF GROUNDWATER SAMPLES
AREA 1 ADDITIONAL CHARACTERIZATION
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

AOI:	<i>Area 01</i>	<i>Area 01</i>	<i>Area 01</i>	<i>Area 01</i>
Sample Location:	MW-S-3S	MW-S-8D	MW-S-8S	OW-24
Sample ID:	GW-012607-010313-JY-008	GW-012607-010213-JY-005	GW-012607-010213-JY-004	GW-012607-010413-JY-029
Sample Date:	1/3/2013	1/2/2013	1/2/2013	1/4/2013
Sample Type:				

<i>Parameters</i>	<i>Units</i>				
Metals					
Chromium	ug/L	0.005 U	0.005 U	0.005 U	49
Chromium III (trivalent)	mg/L	--	--	--	0.010 U
Chromium VI (hexavalent)	mg/L	--	--	--	54
Nickel	ug/L	0.32	5.3	0.020 U	13
Field Parameters					
Conductivity, field	umhos/cm	0.432	0.927	0.785	3.03
Dissolved oxygen (DO), field	mg/L	0.22	0.25	0.24	0.26
Oxidation reduction potential (ORP), field	millivolts	-7	5	85	16
pH, field	S.U.	7.53	7.31	7.41	7.17
Temperature, field	Deg C	11.11	11.83	11.83	13.84
Turbidity, field	NTU	1.53	4.97	2.26	0.8

EXHIBIT A

DATA VALIDATION MEMORANDUM

EXHIBIT A.1

April 2012 AOI 31 GMP Sampling Event



**CONESTOGA-ROVERS
& ASSOCIATES**

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MEMORANDUM

TO: Chris Meincke

FROM: Nancy Bergstrom/tl/228 /Det 

RE: Data Quality Assessment and Validation
AOI 31 Groundwater Monitoring - April 2012
13000 Eckles Road - Livonia, Michigan

REF. NO.: 12607-T01

DATE: October 2, 2012

The following details a quality assessment and validation of the analytical data resulting from the April 2012 collection of fifteen (15) water samples and three (3) quality control samples from the 13000 Eckles Road Site in Livonia, Michigan. The sample summary detailing sample identification, sample location, quality control samples, and analytical parameters is presented in Table 1. Sample analysis was completed at TestAmerica Laboratories, Inc. in North Canton, Ohio (TA-NC) in accordance with the methodologies presented in Table 2.

The quality control criteria used to assess the data were established by the methods and the quality assurance project plan (QAPP). Application of quality assurance criteria was consistent with following guidance documents:

- i. "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999;

These guidelines are collectively referred to as "NFGs" in this Memorandum.

Sample Quantitation

The laboratory reported detected concentrations of organics below the laboratory's report limit (RL) but above the laboratory's method detection limit (MDL). The laboratory flagged these sample concentrations with a "J". These concentrations should be qualified as estimated (J) values unless qualified otherwise in this memorandum.

Sample Preservation and Holding Times

Sample holding time periods and preservation requirements are presented in Table 2.

The samples were prepared and/or analyzed within the specified holding time periods.
The samples were shipped and maintained in accordance with the sample preservation requirements.

Method Blank Samples

Method blank samples are prepared from a purified sample matrix and are processed concurrently with investigative samples to assess the presence and the magnitude of sample contamination introduced during sample analysis. Method blank samples are analyzed at a minimum frequency of one per analytical batch and target analytes should be non-detect.

The method blank samples did not contain target compounds with concentrations that impacted the investigative samples.

Surrogate Compounds - Organic Analyses

Individual sample performance for organic analyses was monitored by assessing the results of surrogate compound percent recoveries. Surrogate percent recoveries are reviewed against the laboratory developed control limits provided in the analytical report.

The surrogate recovery acceptance criteria were met for all samples.

Matrix Spike/ Matrix Spike Duplicate Analyses

To assess the long term accuracy and precision of the analytical methods on various matrices, matrix spike/ matrix spike duplicate (MS/MSD) percent recoveries and the relative percent difference (RPD) of the concentrations were determined. The organic MS/MSD percent recovery and RPD control limits are established by the laboratory. The samples selected for MS/MSD analysis are identified in Table 1.

The MS/MSD percent recoveries and associated RPD acceptance criteria were met in the all sample analyses.

Laboratory Control Sample Analyses

The laboratory control sample (LCS) analyses serve as a monitor of the overall performance in all steps of the sample analysis and are analyzed with each sample batch. The LCS percent recoveries were evaluated against method and laboratory established control limits.

The LCS percent recoveries were within the laboratory control limits, indicating that an acceptable level of overall performance was achieved.

Field Quality Assurance/Quality Control

The field quality assurance/quality control consisted of one (1) field duplicate sample set and two (2) trip blank samples.

Field Duplicate Samples

Overall precision for the sampling event and laboratory procedures was monitored using the results of the field duplicate sample sets. The RPDs associated with these duplicate samples must be less than 50 percent for water samples. If the reported concentration in either the investigative sample or its duplicate is less than five times the RL, the evaluation criteria is one times the RL value for water samples.

Field Quality Assurance/Quality Control (continued)

The data indicate that an adequate level of precision was achieved for the sampling event.

Trip Blank Samples

To monitor potential cross-contamination of VOC during sample transportation and storage, a trip blank sample was submitted to the laboratory for VOC analysis with each shipping cooler containing multiple samples.

No target analytes were reported as detected in the trip blank samples that impacted the investigative samples.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision, based on the provided information, and may be used without qualification.

TABLE 1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
AOI 31 GROUNDWATER MONITORING - APRIL 2012
13000 ECKLES ROAD SITE - LIVONIA, MICHIGAN

Sample Identification	Location	Matrix	QC Samples	Collection Date (mm/dd/yyyy)	Collection Time (hr:min)	Analysis/Parameter
CRA SDG No.: T01-06	TA-NC Report Nos.: 240-10386-1					
GW-12607-041612-SK-047	MW-201S	water		04/16/2012	11:35:00 AM	Select SVOC
GW-12607-041612-SK-048	MW-202S	water		04/16/2012	1:15:00 PM	Select SVOC
GW-12607-041612-SK-049	MW-202S	water	DUP (-048)	04/16/2012	1:55:00 PM	Select SVOC
GW-12607-041612-SK-050	MW-217S	water		04/16/2012	2:40:00 PM	Select SVOC
GW-12607-041612-SK-051	MW-206S	water		04/16/2012	4:05:00 PM	Select SVOC
GW-12607-041712-SK-052	MW-213S	water		04/17/2012	12:30:00 PM	Select SVOC
GW-12607-041712-SK-053	MW-211S	water		04/17/2012	1:50:00 PM	Select SVOC
GW-12607-041712-SK-054	MW-215S	water		04/17/2012	3:00:00 PM	Select SVOC
GW-12607-041712-SK-055	MW-303S	water		04/17/2012	4:05:00 PM	Select SVOC
GW-12607-041812-SK-056	MW-203S	water		04/18/2012	12:05:00 PM	Select SVOC
GW-12607-041812-SK-057	MW-301S	water		04/18/2012	2:15:00 PM	Select SVOC
GW-12607-041812-SK-058	MW-216S	water	MS/MSD	04/18/2012	3:15:00 PM	Select SVOC
CRA SDG No.: T01-07	TA-NC Report No.: 240-10421-1					
GW-12607-041912-SK-059	MW-103S	water		04/19/2012	11:20:00 AM	Select SVOC
GW-12607-041912-SK-060	MW-104S	water		04/19/2012	12:55:00 PM	Select SVOC
TB-12607-041912-SK	---		Trip Blank	04/19/2012	---	Select SVOC
CRA SDG NO.: T01-08	TA-NC Report No.: 240-10641-1					
GW-12607-042512-SK-061	MW-205S	water		04/25/2012	10:55:00 AM	Select SVOC
TB-12607-042512-SK	---	water	Trip Blank	04/25/2012	---	Select SVOC

Notes:

DUP - Field Duplicate Sample of sample in parenthesis
MS/MSD - Matrix Spike/Matrix Spike Duplicate
QC - Quality Control
VOC - Volatile Organic Compounds

TABLE 2

SUMMARY OF ANALYTICAL METHODS, HOLDING TIME PERIODS, AND PRESERVATIVES
AOI 31 GROUNDWATER MONITORING - APRIL 2012
13000 ECKLES ROAD SITE - LIVONIA, MICHIGAN

<i>Parameter</i>	<i>Method</i> ¹	<i>Matrix</i>	<i>Holding Time</i>	<i>Preservation</i>
Select VOC	SW-846 8260	Water	- 14 days from sample collection to completion of analysis.	pH < 2 and Iced, 4 ± 2° C

Notes

¹ Method References:

SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, 3rd Edition, and Promulgated updates, November 1986

VOC - Volatile Organic Compounds

EXHIBIT A.2

September 2012 Area 1 GMP Sampling Event



**CONESTOGA-ROVERS
& ASSOCIATES**

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MEMORANDUM

TO: Chris Meincke
FROM: Nancy Bergstrom/tl/227/Det *[Signature]*
RE: Data Quality Assessment and Validation
GMP Monitoring - September 2012
13000 Eckles Road - Livonia, Michigan

REF. NO.: 12607-T01
DATE: October 1, 2012

The following details a quality assessment and validation of the analytical data resulting from the September 4 and 5, 2012 collection of eight (8) water samples and one (1) quality control sample from the 13000 Eckles Road Site in Livonia, Michigan. The sample summary detailing sample identification, sample location, quality control samples, and analytical parameters is presented in Table 1. Sample analysis was completed at TestAmerica Laboratories, Inc. in North Canton, Ohio (TA-NC) in accordance with the methodologies presented in Table 2.

The quality control criteria used to assess the data were established by the methods and the quality assurance project plan (QAPP). Application of quality assurance criteria was consistent with following guidance documents:

- i. "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Review", EPA-540/R-94/013, February 1994.

These guidelines are collectively referred to as "NFGs" in this Memorandum.

Sample Quantitation

The laboratory reported detected concentrations of inorganics below the laboratory's report limit (RL) but above the laboratory's method detection limit (MDL). The laboratory flagged these sample concentrations with a "J" for inorganics. These concentrations should be qualified as estimated (J) values unless qualified otherwise in this memorandum.

Sample Preservation and Holding Times

Sample holding time periods and preservation requirements are presented in Table 2. The samples were prepared and/or analyzed within the specified holding time periods. The samples were shipped and maintained in accordance with the sample preservation requirements.

Method Blank Samples

Method blank samples are prepared from a purified sample matrix and are processed concurrently with investigative samples to assess the presence and the magnitude of sample contamination introduced during sample analysis. Method blank samples are analyzed at a minimum frequency of one per analytical batch and target analytes should be non-detect.

The method blank samples did not contain target compounds with concentrations that impacted the investigative samples.

Matrix Spike/Matrix Spike Duplicate Analyses

To assess the long term accuracy and precision of the analytical methods on various matrices, matrix spike/matrix spike duplicate (MS/MSD) percent recoveries and the relative percent difference (RPD) of the concentrations were determined. The inorganic control limits are defined by the methods or the laboratory and the NFGs. The samples selected for MS/MSD analysis are identified in Table 1.

The MS/MSD percent recoveries and associated RPD acceptance criteria were met in the all sample analyses.

Laboratory Control Sample Analyses

The laboratory control sample (LCS) analyses serve as a monitor of the overall performance in all steps of the sample analysis and are analyzed with each sample batch. The LCS percent recoveries were evaluated against method and laboratory established control limits.

The LCS percent recoveries were within the laboratory control limits, indicating that an acceptable level of overall performance was achieved.

Field Quality Assurance/Quality Control

The field quality assurance/quality control consisted of one (1) field duplicate sample set.

Field Duplicate Samples

Overall precision for the sampling event and laboratory procedures was monitored using the results of the field duplicate sample set. The RPDs associated with these duplicate samples must be less than 50 percent for water samples. If the reported concentration in either the investigative sample or its duplicate is less than five times the RL, the evaluation criteria is one times the RL value for water samples.

The data indicate that an adequate level of precision was achieved for the sampling event.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision, based on the provided information, and may be used without qualification.

TABLE 1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
GMP SAMPLING - SEPTEMBER 2012
13000 ECKLES ROAD SITE - LIVONIA, MICHIGAN

Analysis/Parameters					
Chromium Hexavalent and Trivalent Chromium	Nickel	Collection Time (hr:min)	Collection Date (mm/dd/yyyy)	QC Samples	Matrix
Sample Identification	Location				
CRA SDG No.: T01-009					
TA-NC Job ID.: 240-14831-1					
GW-12607-090412-SK-047	MW-OS-8D				water
GW-12607-090412-SK-048	MW-OS-5D				water
GW-12607-090412-SK-049	HA-16				water
GW-12607-090512-SK-050	MW-OS-7D				water
GW-12607-090512-SK-051	MW-OS-7D			DUP (-050)	water
GW-12607-090512-SK-052	MW-OS-6D				water
GW-12607-090512-SK-053	HA-14			MS/MSD	water
GW-12607-090512-SK-054	OW-24				water

Notes:

DUP - Field Duplicate Sample of sample in parenthesis
M5/M5D - Matrix Spike/Matrix Spike Duplicate
QC - Quality Control

TABLE 2

SUMMARY OF ANALYTICAL METHODS, HOLDING TIME PERIODS, AND PRESERVATIVES
GMP SAMPLING - SEPTEMBER 2012
13000 ECKLES ROAD SITE - LIVONIA, MICHIGAN

<i>Parameter</i>	<i>Method</i> ¹	<i>Matrix</i>	<i>Holding Time</i>	<i>Preservation</i>
Metals				
Chromium	SW-846 6010B	Water	- 180 days from sample collection to completion of analysis	pH < 2 and Iced, 4 ± 2° C
Nickel	SW-846 6010B			
General Chemistry				
Hexavalent Chromium	SW-846 7196	Water	- 24 hours from sample collection to completion of analysis.	Iced, 4 ± 2° C
Trivalent Chromium	SW-846 7196	Water	- 24 hours from sample collection to completion of analysis.	Iced, 4 ± 2° C

Notes¹ Method References:

SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, 3rd Edition, and Promulgated updates, November 1986

EXHIBIT A.3

January 2013 Area 1 Additional Characterization Sampling



**CONESTOGA-ROVERS
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MEMORANDUM

TO: Chris Meincke
FROM: Nancy Bergstrom/tl/230/Det *for*
RE: Data Quality Assessment and Validation
GMP Monitoring – January 2013
13000 Eckles Road – Livonia, Michigan

REF. NO.: 12607-T02
DATE: February 13, 2013

The following details a quality assessment and validation of the analytical data resulting from the January 2 to January 4, 2013 collection of 28 water samples and three (3) quality control sample from the 13000 Eckles Road Site in Livonia, Michigan. The sample summary detailing sample identification, sample location, quality control samples, and analytical parameters is presented in Table 1. Sample analysis was completed at TestAmerica Laboratories, Inc. in North Canton, Ohio (TA-NC) in accordance with the methodologies presented in Table 2.

The quality control criteria used to assess the data were established by the methods and the quality assurance project plan (QAPP). Application of quality assurance criteria was consistent with following guidance documents:

- i. "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Review", EPA-540/R-94/013, February 1994.

These guidelines are collectively referred to as "NFGs" in this Memorandum.

Sample Quantitation

The laboratory reported detected concentrations of inorganics below the laboratory's report limit (RL) but above the laboratory's method detection limit (MDL). The laboratory flagged these sample concentrations with a "J" for inorganics. These concentrations should be qualified as estimated (J) values unless qualified otherwise in this memorandum.

Sample Preservation and Holding Times

Sample holding time periods and preservation requirements are presented in Table 2. The samples were prepared and/or analyzed within the specified holding time periods. The samples were shipped and maintained in accordance with the sample preservation requirements.

Method Blank Samples

Method blank samples are prepared from a purified sample matrix and are processed concurrently with investigative samples to assess the presence and the magnitude of sample contamination introduced during sample analysis. Method blank samples are analyzed at a minimum frequency of one per analytical batch and target analytes should be non-detect.

The method blank samples did not contain target compounds.

Matrix Spike/Matrix Spike Duplicate Analyses

To assess the long term accuracy and precision of the analytical methods on various matrices, matrix spike/matrix spike duplicate (MS/MSD) percent recoveries and the relative percent difference (RPD) of the concentrations were determined. The inorganic control limits are defined by the methods or the laboratory and the NFGs. The samples selected for MS/MSD analysis are identified in Table 1.

The MS/MSD percent recoveries and associated RPD acceptance criteria were met in all sample analyses.

Laboratory Control Sample Analyses

The laboratory control sample (LCS) analyses serve as a monitor of the overall performance in all steps of the sample analysis and are analyzed with each sample batch. The LCS percent recoveries were evaluated against method and laboratory established control limits.

The LCS percent recoveries were within the laboratory control limits, indicating that an acceptable level of overall performance was achieved.

Field Quality Assurance/Quality Control

The field quality assurance/quality control consisted of three (3) field duplicate sample sets.

Field Duplicate Samples

Overall precision for the sampling event and laboratory procedures was monitored using the results of the field duplicate sample set. The RPDs associated with these duplicate samples must be less than 50 percent for water samples. If the reported concentration in either the investigative sample or its duplicate is less than five times the RL, the evaluation criteria is one times the RL value for water samples.

The data indicate that an adequate level of precision was achieved for the sampling event.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision, based on the provided information, and may be used without qualification.

TABLE 1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
GMP SAMPLING - JANUARY 2013
13000 ECKLES ROAD SITE - LIVONIA, MICHIGAN

Analysis/Parameters

Sample Identification	Location	Matrix	QC Samples	Collection Date (mm/dd/yyyy)	Collection Time (hr:min)	Nickel	Chromium	Hexavalent and Trivalent Chromium
CRA SDG No.: T02-011 TA-NC Job ID.: 240-19450-1								
GW-012607-010213-JY-001	HA-16	water		1/2/2013	11:45:00 AM	X	X	
GW-012607-010213-JY-002	HA-16	water	DUP (001)	1/2/2013	11:50:00 AM	X	X	
GW-012607-010213-JY-003	MW-OS-3D	water		1/2/2013	12:40:00 PM	X	X	
GW-012607-010213-JY-004	MW-S-8S	water	MS/MSD	1/2/2013	11:40:00 AM	X	X	
GW-012607-010213-JY-005	MW-S-8D	water		1/2/2013	12:40:00 PM	X	X	
GW-012607-010313-JY-006	MW-27	water		1/3/2013	8:50:00 AM	X	X	
GW-012607-010313-JY-007	MW-S-7S	water		1/3/2013	9:20:00 AM	X	X	
GW-012607-010313-JY-008	MW-S-3S	water		1/3/2013	9:15:00 AM	X	X	
GW-012607-010313-JY-009	HA-15	water	MS/MSD	1/3/2013	9:45:00 AM	X	X	
GW-012607-010313-JY-010	MW-A1-11S	water		1/3/2013	11:05:00 AM	X	X	X
GW-012607-010313-JY-011	MW-A1-11D	water		1/3/2013	11:20:00 AM	X	X	X
GW-012607-010313-JY-012	MW-34D-12	water		1/3/2013	10:55:00 AM	X	X	X
GW-012607-010313-JY-013	MW-34D-12	water	DUP (012)	1/3/2013	11:00:00 AM	X	X	X
GW-012607-010313-JY-014	MW-24D-10	water		1/3/2013	11:35:00 AM	X	X	X
GW-012607-010313-JY-015	MW-30D-12	water		1/3/2013	12:40:00 PM	X	X	X
GW-012607-010313-JY-016	MW-26D-12	water		1/3/2013	1:05:00 PM	X	X	X
GW-012607-010313-JY-017	MW-A1-12D	water		1/3/2013	1:00:00 PM	X	X	X
GW-012607-010313-JY-018	MW-33D-12	water		1/3/2013	1:45:00 PM	X	X	X
GW-012607-010313-JY-019	MW-25D-12	water		1/3/2013	2:20:00 PM	X	X	X
GW-012607-010313-JY-020	MW-23D-12	water		1/3/2013	3:15:00 PM	X	X	X
GW-012607-010313-JY-021	MW-29D-12	water		1/3/2013	3:05:00 PM	X	X	X
GW-012607-010313-JY-022	MW-28D-12	water		1/3/2013	3:45:00 PM	X	X	X
GW-012607-010413-JY-023	MW-22-2D	water	DUP (023)	1/4/2013	9:25:00 AM	X	X	
GW-012607-010413-JY-024	MW-22-2D	water		1/4/2013	9:30:00 AM	X	X	
GW-012607-010413-JY-025	PZ-SW-6	water		1/4/2013	9:45:00 AM	X	X	
GW-012607-010413-JY-026	PZ-SW-5	water		1/4/2013	10:35:00 AM	X	X	
GW-012607-010413-JY-027	HA-14	water		1/4/2013	11:10:00 AM	X	X	
GW-012607-010413-JY-028	MW-27D-12	water		1/4/2013	12:40:00 PM	X	X	X

TABLE 1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
GMP SAMPLING - JANUARY 2013
13000 ECKLES ROAD SITE - LIVONIA, MICHIGAN

Analysis/Parameters									
CRA SDG No.: T02-011	Sample Identification	Location	Matrix	QC Samples	Collection Date (mm/dd/yyyy)	Collection Time (hr:min)	Nickel	Chromium	Hexavalent and Trivalent Chromium
TA-NC Job ID.: 240-19450-1									
	GW-012607-010413-JY-029	OW-24	water		1/4/2013	12:50:00 PM	X	X	X
	GW-012607-010413-JY-030	MW-32D-12	water		1/4/2013	1:45:00 PM	X	X	X
	GW-012607-010413-JY-031	MW-31D-12	water		1/4/2013	1:35:00 PM	X	X	X

Notes:

DUP - Field Duplicate Sample of sample in parenthesis
MS/MSD - Matrix Spike/Matrix Spike Duplicate
QC - Quality Control

TABLE 2

SUMMARY OF ANALYTICAL METHODS, HOLDING TIME PERIODS, AND PRESERVATIVES
GMP SAMPLING - JANUARY 2013
13000 ECKLES ROAD SITE - LIVONIA, MICHIGAN

<i>Parameter</i>	<i>Method</i> ¹	<i>Matrix</i>	<i>Holding Time</i>	<i>Preservation</i>
Metals				
Chromium	SW-846 6010B	Water	- 180 days from sample collection to completion of analysis	pH < 2 and Iced, 4 ± 2° C
Nickel	SW-846 6010B	Water	- 180 days from sample collection to completion of analysis	pH < 2 and Iced, 4 ± 2° C
General Chemistry				
Hexavalent Chromium	SW-846 7196	Water	- 24 hours from sample collection to completion of analysis.	Iced, 4 ± 2° C
Trivalent Chromium	Calculation	Water	- 24 hours from sample collection to completion of analysis.	Iced, 4 ± 2° C

Notes

¹ Method References:

SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, 3rd Edition, and Promulgated updates, November 1986

ATTACHMENT B

AOI 31 GROUNDWATER SAMPLE RESULTS - JULY 12, 2013



**CONESTOGA-ROVERS
& ASSOCIATES**

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MEMORANDUM

TO: Grant Trigger, RACER REF. NO.: 012607-T01Y12

FROM: Chris Meincke /226/Det. DATE: July 12, 2013

CC: Dave Favero, RACER
Jeff Crum, Hamp Mathews & Associates
Tom Kinney, CRA

RE: **AOI 31 Groundwater Sample Results, 13000 Eckles Road Site (13020)
Livonia, Michigan**

Conestoga-Rovers and Associates has prepared this memorandum to present the results of groundwater samples collected from on-site and off-site monitoring wells at the 13000 Eckles Road Site in Livonia, Michigan (Site). The groundwater sampling scope of work was proposed to the United States Environmental Protection Agency (U.S. EPA) in a memo dated January 25, 2012. The proposed scope included the installation of one new monitoring in the Grantland Avenue right-of-way (ROW), the collection of groundwater samples from two on-site monitoring wells, fourteen existing off-site monitoring wells, and the new off-site monitoring well. The groundwater samples were submitted for the analysis of 1,1,1-trichloroethane (TCA), cis-1,2-dichloroethene (DCE), trichloroethene (TCE), and vinyl chloride (VC). The purpose of the groundwater sampling and analysis scope was to collect a comprehensive round of groundwater samples to support the potential vapor intrusion pathway evaluation and to have groundwater data to compare to any soil gas or indoor air sample detections of volatile organic compounds.

Based on subsequent discussions with U.S. EPA, it was determined that the proposed monitoring well in the Grantland Avenue ROW was not required and would not be installed or sampled. Additionally, CRA was unable to gain access to the residential property where MW-214S is located and a sample was not collected from this monitoring well. Based on rush results of soil gas and indoor air samples, additional parameters, trans-1,2-DCE and tetrachloroethene (PCE), were requested for analysis from MW-203S, MW-213S, and MW-301S. Following a review of soil gas/air sample data, a review of PCE detections was requested for all groundwater samples. A sample key is presented in Table 1.

Based on the analytical results, TCE remains the only parameter detected at concentrations greater than Michigan Department of Environmental Quality (MDEQ) Part 201 Drinking Water Criteria (DWC). TCE was identified in four monitoring wells at concentrations of 19 ug/L in MW-103S, 28 ug/L in MW-202S (27 ug/L in a duplicate sample), 93 ug/L in MW-213S, and 36 ug/L in MW-215S. All four monitoring wells are in the center line of the plume and the results were either slightly lower or similar to September 2011 results. 1,1,1-TCA was detected in various on-site and off-site monitoring wells but at concentrations below Part 201 criteria and at concentrations similar to previous results. Cis-1,2-DCE was detected at a concentration below Part 201 criteria and lower than September 2011 results. Neither VC nor PCE were detected in any of the groundwater samples. Trans-1,2-DCE was not detected in the three groundwater

samples for which it was analyzed. Analytical results of groundwater samples are presented on figure 1 and in Table 2. Laboratory analytical reports are presented in Attachment 1.

Concentrations of 1,1,1-TCA and TCE within the plume at on-site and off-site locations continue to show a decreasing trend. 1,1,1-TCA and TCE were detected at the highest concentrations in MW-103S and MW-202S in the 2000-2001 time period, MW-213S in the 2002 to 2003 time period, and MW-215S in the 2004 to 2006 time period and have since been steadily decreasing. There does not appear to be a link between groundwater in this area of the residential neighborhood and detections of trans-1,2-DCE and/or PCE in soil gas samples.

Groundwater elevation measurements were collected from on-site and off-site monitoring wells on April 19, 2012. Groundwater elevation contours are presented on Figure 1 and show groundwater flow to the southeast. The measured depth to groundwater was shallower (closest to the ground surface) than it has been in off-site monitoring wells for which data is available. Groundwater elevations appeared to have fluctuated up to 2 ft since 2006. The depth to groundwater measurements for MW-203S, MW-217S, MW-301S, MW-303S are provided on Figure 2. Monitoring well locations are presented on Figure 1.

A former leaking underground storage tank (LUST) was identified to have been located at the Starkweather/Kensington facility located immediate east of the Eckles Road Site. Based on a review of MDEQ RRD files, a comprehensive round of groundwater samples were collected from monitoring wells on the Starkweather/Kensington facility and Amrhein Road ROW in 2007. Analytical results from the ROW monitoring wells indicate that no volatile organic compounds were detected (including 1,1,1-TCA, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, and VC).

Please contact Mr. Tom Kinney or myself at (734) 453-5123 with any questions or comments.

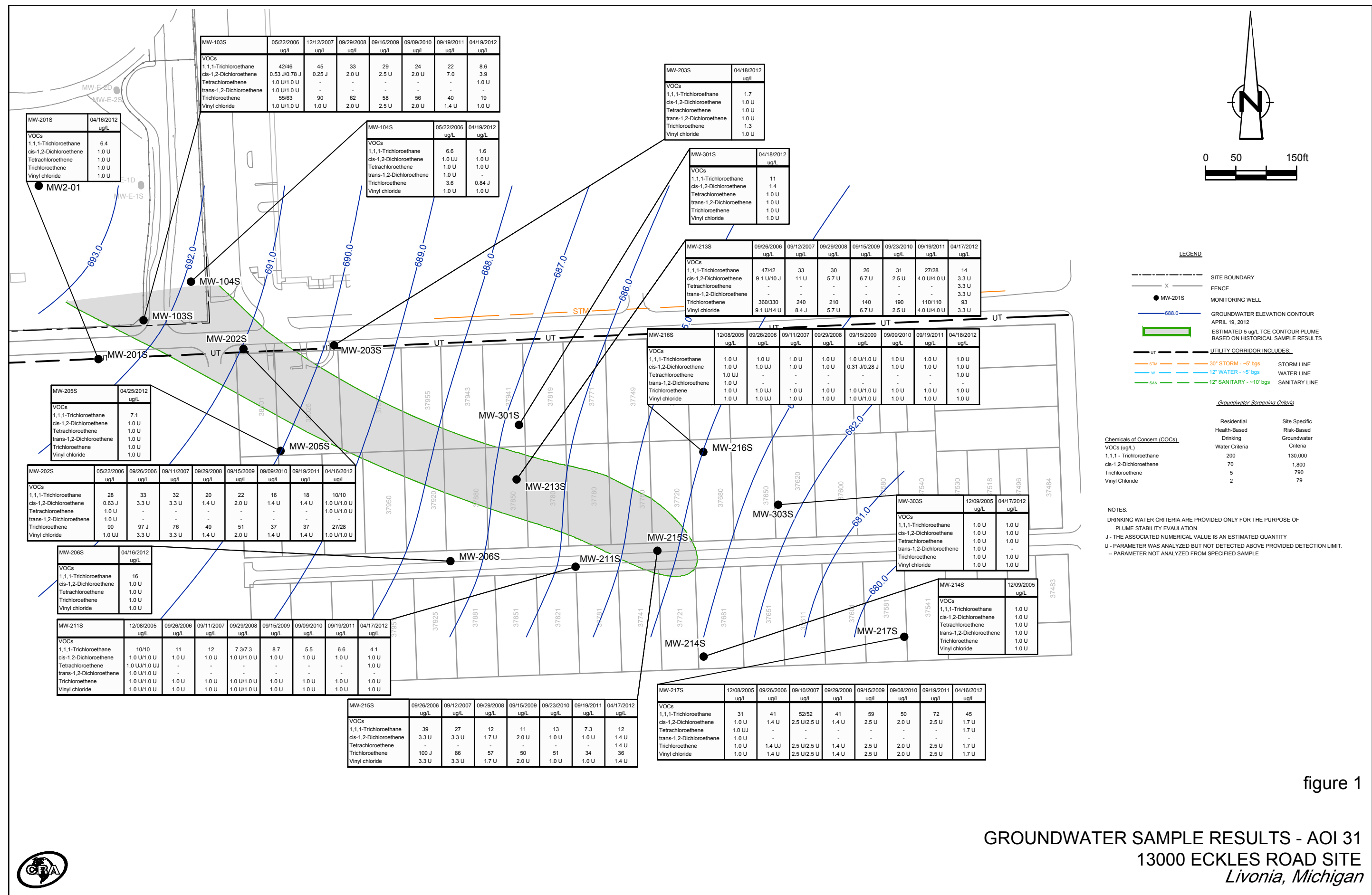


figure 1

GROUNDWATER SAMPLE RESULTS - AOI 31
13000 ECKLES ROAD SITE
Livonia, Michigan



Figure 2
Depth to Groundwater
13000 Eckles Road Site
Livonia, Michigan

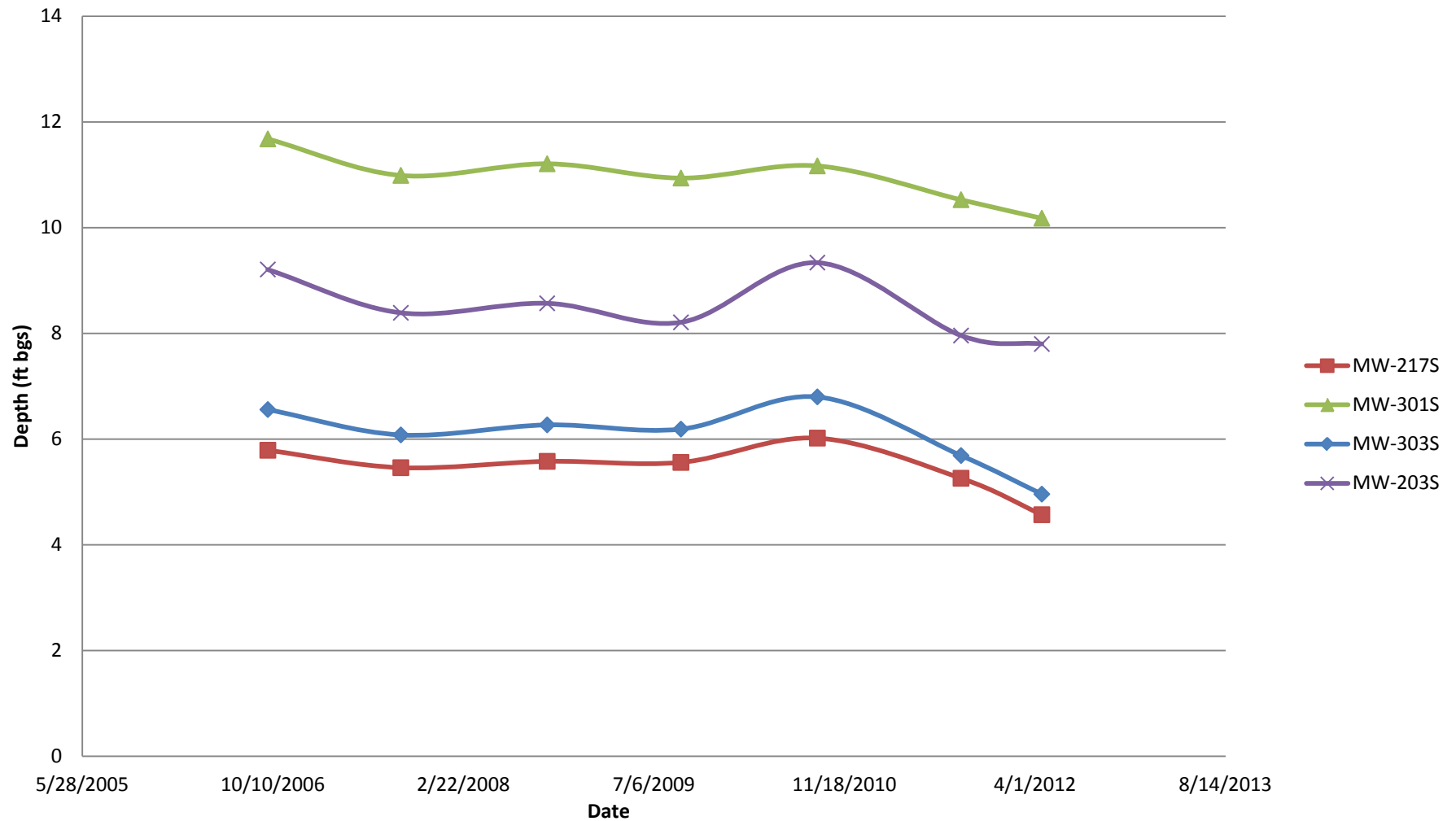


TABLE 1

July 12, 2013

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**SAMPLE SUMMARY
AREA OF INTEREST 31
ECKLES ROAD SITE
LIVONIA, MICHIGAN**

<i>Area of Interest</i>	<i>On-Site/ Off-Site</i>	<i>Sample Matrix</i>	<i>Sample Location</i>	<i>Sample ID</i>	<i>Sample Date</i>	<i>Analysis</i>	<i>Notes</i>
AOI 31	Off-Site	Groundwater	MW-201S	GW-12607-041612-SK-047	4/16/2012	Select VOCs	
AOI 31	Off-Site	Groundwater	MW-202S	GW-12607-041612-SK-048	4/16/2012	Select VOCs	
AOI 31	Off-Site	Groundwater	MW-202S	GW-12607-041612-SK-049	4/16/2012	Select VOCs	Duplicate
AOI 31	Off-Site	Groundwater	MW-217S	GW-12607-041612-SK-050	4/16/2012	Select VOCs	
AOI 31	Off-Site	Groundwater	MW-206S	GW-12607-041612-SK-051	4/16/2012	Select VOCs	
AOI 31	Off-Site	Groundwater	MW-213S	GW-12607-041712-SK-052	4/17/2012	Select VOCs, trans-1,2-DCE, PCE	
AOI 31	Off-Site	Groundwater	MW-211S	GW-12607-041712-SK-053	4/17/2012	Select VOCs	
AOI 31	Off-Site	Groundwater	MW-215S	GW-12607-041712-SK-054	4/17/2012	Select VOCs	
AOI 31	Off-Site	Groundwater	MW-303S	GW-12607-041712-SK-055	4/17/2012	Select VOCs	
AOI 31	Off-Site	Groundwater	MW-203S	GW-12607-041812-SK-056	4/18/2012	Select VOCs, trans-1,2-DCE, PCE	
AOI 31	Off-Site	Groundwater	MW-301S	GW-12607-041812-SK-057	4/18/2012	Select VOCs	
AOI 31	Off-Site	Groundwater	MW-216S	GW-12607-041812-SK-058	4/18/2012	Select VOCs	MS/MSD
AOI 31	On-Site	Groundwater	MW-103S	GW-12607-041912-SK-059	4/19/2012	Select VOCs	
AOI 31	On-Site	Groundwater	MW-104S	GW-12607-041912-SK-060	4/19/2012	Select VOCs	
NA	NA	Water	Trip Blank	TB-12607-041912-SK	4/19/2012	Select VOCs	
AOI 31	Off-Site	Groundwater	MW-205S	GW-12607-042512-SK-061	4/25/2012	Select VOCs, trans-1,2-DCE, PCE	
NA	NA	Water	Trip Blank	TB-12607-042512-SK	4/25/2012	Select VOCs	

Notes:

Select VOCs - 1,1,1-Trichloroethane, cis-1,2-Dichloroethene (DCE), Trichloroethylene, Vinyl Chloride
Tetrachloroethene (PCE) results were requested for all samples following analysis for Select VOCs

TABLE 2

July 15, 2013

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**ANALYTICAL RESULTS OF GROUNDWATER SAMPLES
AREA OF INTEREST 31
ECKLES ROAD SITE
LIVONIA, MICHIGAN**

<i>Sample Location:</i>	<i>Sample Date:</i>	<i>Sample Type:</i>	<i>1,1,1-Trichloroethane ug/L</i>	<i>cis-1,2-Dichloroethene ug/L</i>	<i>Tetrachloroethene ug/L</i>	<i>trans-1,2-Dichloroethene ug/L</i>	<i>Trichloroethene ug/L</i>	<i>Vinyl chloride ug/L</i>
MW-103S	7/5/2000		136	8.3	1 U	1 U	108	5 U
	7/5/2000	(Duplicate)	24.6	3.5	1 U	1 U	61.9	5 U
	4/20/2001		94.8	8.7	1 U	1 U	116	5 U
	11/12/2001		81	9.4	1 U	1 U	114	5 U
	6/18/2002		65	4.6	2.5 U	2.5 U	85	2.5 U
	12/3/2002		85	4.3	4.0 U	4.0 U	100	4.0 U
	7/21/2003		52	2.7	2 U	2 U	60	2 U
	5/2/2005		44	0.80 J	2.5 U	2.5 U	53	2.5 U
	5/16/2005		40 J	1.0 J	2.5 U	2.5 U	65 J	2.5 UJ
	5/31/2005		52	1.1 J	2.0 U	2.0 U	64	2.0 U
	10/21/2005		57	0.78 J	2.0 U	2.0 U	65	2.0 U
	5/22/2006		46	0.53 J	1.0 U	1.0 U	55	1.0 U
	5/22/2006	(Duplicate)	42	0.78 J	1.0 U	1.0 U	63	1.0 U
	12/12/2007		45	0.25 J	--	--	90	1.0 U
	9/29/2008		33	2.0 U	--	--	62	2.0 U
	9/16/2009		29	2.5 U	--	--	58	2.5 U
	9/9/2010		24	2.0 U	--	--	56	2.0 U
	9/19/2011		22	7.0	--	--	40	1.4 U
	4/19/2012		8.6	3.9	1.0 U	--	19	1.0 U
MW-104S	7/5/2000		14.5	1.6	1 U	1 U	5.7	5 U
	4/20/2001		20.6	1 U	1 U	1 U	17	5 U
	11/12/2001		21.7	1 U	1 U	1 U	17.4	5 U
	11/12/2001	(Duplicate)	21.2	1 U	1 U	1 U	17.5	5 U
	6/14/2002		13	1 U	1 U	1 U	12	1 U
	12/6/2002		16	1.0 U	1.0 U	1.0 U	14	1.0 U
	12/6/2002	(Duplicate)	14	1.0 U	1.0 U	1.0 U	12	1.0 U
	3/3/2003		16	1 U	1 U	1 U	11	1 U
	7/21/2003		11	1 U	1 U	1 U	11	1 U
	2/24/2004		14	1.0 U	1.0 U	1.0 U	11	1.0 U
	7/6/2004		9.6	1.0 U	1.0 U	1.0 U	11	1.0 U
	7/14/2004		10	1.0 U	1.0 U	1.0 U	8.6	1.0 U
	7/28/2004		6.4	1.0 U	1.0 U	1.0 U	8.8	1.0 U
	7/28/2004	(Duplicate)	6.1	1.0 U	1.0 U	1.0 U	8.9	1.0 U
	5/2/2005		5.6	1.0 U	1.0 U	1.0 U	4.7	1.0 U
	5/16/2005		6.4	1.0 U	1.0 U	1.0 U	5.0	1.0 U
	5/31/2005		7.5	1.4 U	1.4 U	1.4 U	4.3	1.4 U
	10/21/2005		8.3	2.0 U	2.0 U	2.0 U	3.6	2.0 U
	5/22/2006		6.6	1.0 UJ	1.0 U	1.0 U	3.6	1.0 U
	4/19/2012		1.6	1.0 U	1.0 U	--	0.84 J	1.0 U

TABLE 2

July 15, 2013

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**ANALYTICAL RESULTS OF GROUNDWATER SAMPLES
AREA OF INTEREST 31
ECKLES ROAD SITE
LIVONIA, MICHIGAN**

<i>Sample Location:</i>	<i>Sample Date:</i>	<i>Sample Type:</i>	<i>1,1,1-Trichloroethane</i> ug/L	<i>cis-1,2-Dichloroethene</i> ug/L	<i>Tetrachloroethene</i> ug/L	<i>trans-1,2-Dichloroethene</i> ug/L	<i>Trichloroethene</i> ug/L	<i>Vinyl chloride</i> ug/L
MW-201S	4/19/2001		13.5	1 U	1 U	1 U	1 U	5 U
	11/1/2001		14.5	1 U	1 U	1 U	1 U	5 U
	6/20/2002		6.6	1 U	1 U	1 U	1 U	1 U
	12/6/2002		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	7/22/2003		7 J	1 U	1 U	1 U	1 U	1 U
	2/24/2004		9.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	4/16/2012		6.4	1.0 U	1.0 U	--	1.0 U	1.0 U
MW-202S	4/18/2001		64.3	4.6	1 U	1 U	157	5 U
	11/1/2001		52.5	4.7	1 U	1 U	147	5 U
	6/20/2002		59	4.2	4 U	4 U	150	4 U
	12/6/2002		49	3.5 J	5.0 U	5.0 U	120	5.0 U
	7/22/2003		43 J	4	4 U	4 U	120	4 U
	2/24/2004		58	4.5 J	5.0 U	5.0 U	140	5.0 U
	5/2/2005		39	2.5 J	3.3 U	3.3 U	96 B	3.3 U
	5/16/2005		32	2.3 J	2.5 U	2.5 U	95	2.5 U
	5/31/2005		39	2.4 J	3.3 U	3.3 U	97	3.3 U
	10/21/2005		41	1.8 J	3.3 U	3.3 U	120	0.71 J
	5/22/2006		28	0.63 J	1.0 U	1.0 U	90	1.0 UJ
	9/26/2006		33	3.3 U	--	--	97 J	3.3 U
	9/11/2007		32	3.3 U	--	--	76	3.3 U
	9/29/2008		20	1.4 U	--	--	49	1.4 U
	9/15/2009		22	2.0 U	--	--	51	2.0 U
	9/9/2010		16	1.4 U	--	--	37	1.4 U
	9/19/2011		18	1.4 U	--	--	37	1.4 U
	4/16/2012		10	1.0 U	1.0 U	--	28	1.0 U
	4/16/2012	(Duplicate)	10	1.0 U	1.0 U	--	27	1.0 U
MW-203S	4/19/2001		1 U	1 U	1 U	1 U	1 U	5 U
	11/1/2001		1 U	1 U	1 U	1 U	1 U	5 U
	6/25/2002		0.26 J	1 U	1 U	1 U	1 U	1 U
	12/5/2002		0.93 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	7/22/2003		1 J	1 U	1 U	1 U	1 U	1 U
	2/23/2004		1.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	4/18/2012		1.7	1.0 U	1.0 U	1.0 U	1.3	1.0 U
MW-205S	4/19/2001		24.8	1 U	1 U	1 U	1 U	5 U
	11/7/2001		32.8	1 U	1 U	1 U	1 U	5 U
	6/19/2002		31	1 U	1 U	1 U	0.22 J	1 U
	12/5/2002		30	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	7/24/2003		16	1 U	1 U	1 U	1 U	1 U
	4/25/2012		7.1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

TABLE 2

July 15, 2013

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**ANALYTICAL RESULTS OF GROUNDWATER SAMPLES
AREA OF INTEREST 31
ECKLES ROAD SITE
LIVONIA, MICHIGAN**

<i>Sample Location:</i>	<i>Sample Date:</i>	<i>Sample Type:</i>	<i>1,1,1-Trichloroethane</i> ug/L	<i>cis-1,2-Dichloroethene</i> ug/L	<i>Tetrachloroethene</i> ug/L	<i>trans-1,2-Dichloroethene</i> ug/L	<i>Trichloroethene</i> ug/L	<i>Vinyl chloride</i> ug/L
MW-206S	4/18/2001		66.7	--	--	--	1 U	--
	11/1/2001		71.3	1 U	1 U	1 U	1 U	5 U
	6/26/2002		57	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
	12/9/2002		60	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
	7/22/2003		1 UJ	1 U	1 U	1 U	1 U	1 U
	2/23/2004		32	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	4/16/2012		16	1.0 U	1.0 U	--	1.0 U	1.0 U
MW-211S	11/1/2001		1.7	1 U	1 U	1 U	1 U	5 U
	6/26/2002		2.3	1 U	1 U	1 U	1 U	1 U
	12/9/2002		6.5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	7/22/2003		3.5 J	1 U	1 U	1 U	1 U	1 U
	2/24/2004		4.3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	12/14/2004		8.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	5/18/2005		6.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	5/18/2005	(Duplicate)	6.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	12/8/2005		10	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
	12/8/2005	(Duplicate)	10	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
	9/26/2006		11	1.0 U	--	--	1.0 U	1.0 U
	9/11/2007		12	1.0 U	--	--	1.0 U	1.0 U
	9/29/2008		7.3	1.0 U	--	--	1.0 U	1.0 U
	9/29/2008	(Duplicate)	7.3	1.0 U	--	--	1.0 U	1.0 U
	9/15/2009		8.7	1.0 U	--	--	1.0 U	1.0 U
	9/9/2010		5.5	1.0 U	--	--	1.0 U	1.0 U
	9/19/2011		6.6	1.0 U	--	--	1.0 U	1.0 U
	4/17/2012		4.1	1.0 U	1.0 U	--	1.0 U	1.0 U
MW-213S	11/5/2001		64	1 U	1 U	1 U	344	5 U
	6/26/2002		44	8.3 U	8.3 U	8.3 U	260	8.3 U
	12/4/2002		69	17 U	17 U	17 U	490	17 U
	7/23/2003		34	12 U	12 U	12 U	290	12 U
	2/23/2004		40	12 U	12 U	12 U	280	12 U
	9/26/2006		42	9.1 U	--	--	330	9.1 U
	9/26/2006	(Duplicate)	47	10 J	--	--	360	14 U
	9/12/2007		33	11 U	--	--	240	8.4 J
	9/29/2008		30	5.7 U	--	--	210	5.7 U
	9/15/2009		26	6.7 U	--	--	140	6.7 U
	9/23/2010		31	2.5 U	--	--	190	2.5 U
	9/19/2011		27	4.0 U	--	--	110	4.0 U
	9/19/2011	(Duplicate)	28	4.0 U	--	--	110	4.0 U
	4/17/2012		14	3.3 U	3.3 U	3.3 U	93	3.3 U

TABLE 2

July 15, 2013

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**ANALYTICAL RESULTS OF GROUNDWATER SAMPLES
AREA OF INTEREST 31
ECKLES ROAD SITE
LIVONIA, MICHIGAN**

<i>Sample Location:</i>	<i>Sample Date:</i>	<i>Sample Type:</i>	<i>1,1,1-Trichloroethane</i> ug/L	<i>cis-1,2-Dichloroethene</i> ug/L	<i>Tetrachloroethene</i> ug/L	<i>trans-1,2-Dichloroethene</i> ug/L	<i>Trichloroethene</i> ug/L	<i>Vinyl chloride</i> ug/L
MW-215S	11/2/2001		39.9	1 U	1 U	1 U	70.4	5 U
	6/24/2002		61	2.9 U	2.9 U	2.9 U	89	2.9 U
	12/6/2002		40	4.0 U	4.0 U	4.0 U	79	4.0 U
	7/22/2003		32 J	4 U	4 U	4 U	87	4 U
	2/23/2004		28	2.0 U	2.0 U	2.0 U	61	2.0 U
	9/26/2006		39	3.3 U	--	--	100 J	3.3 U
	9/12/2007		27	3.3 U	--	--	86	3.3 U
	9/29/2008		12	1.7 U	--	--	57	1.7 U
	9/15/2009		11	2.0 U	--	--	50	2.0 U
	9/23/2010		13	1.0 U	--	--	51	1.0 U
	9/19/2011		7.3	1.0 U	--	--	34	1.0 U
	4/17/2012		12	1.4 U	1.4 U	--	36	1.4 U
MW-216S	11/5/2001		1 U	1 U	1 U	1 U	1 U	5 U
	6/24/2002		1 U	1 U	1 U	1 U	1 U	1 U
	12/6/2002		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	12/6/2002	(Duplicate)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	7/23/2003		1 U	1 U	1 U	1 U	1 U	1 U
	7/23/2003	(Duplicate)	1 U	1 U	1 U	1 U	1 U	1 U
	2/24/2004		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	12/14/2004		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	5/19/2005		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	12/8/2005		1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
	9/26/2006		1.0 U	1.0 UJ	--	--	1.0 UJ	1.0 UJ
	9/11/2007		1.0 U	1.0 U	--	--	1.0 U	1.0 U
	9/29/2008		1.0 U	1.0 U	--	--	1.0 U	1.0 U
	9/15/2009		1.0 U	0.31 J	--	--	1.0 U	1.0 U
	9/15/2009	(Duplicate)	1.0 U	0.28 J	--	--	1.0 U	1.0 U
	9/9/2010		1.0 U	1.0 U	--	--	1.0 U	1.0 U
	9/19/2011		1.0 U	1.0 U	--	--	1.0 U	1.0 U
	4/18/2012		1.0 U	1.0 U	1.0 U	--	1.0 U	1.0 U

TABLE 2

July 15, 2013

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**ANALYTICAL RESULTS OF GROUNDWATER SAMPLES
AREA OF INTEREST 31
ECKLES ROAD SITE
LIVONIA, MICHIGAN**

<i>Sample Location:</i>	<i>Sample Date:</i>	<i>Sample Type:</i>	<i>1,1,1-Trichloroethane</i> ug/L	<i>cis-1,2-Dichloroethene</i> ug/L	<i>Tetrachloroethene</i> ug/L	<i>trans-1,2-Dichloroethene</i> ug/L	<i>Trichloroethene</i> ug/L	<i>Vinyl chloride</i> ug/L
MW-217S	11/5/2001		1 U	1 U	1 U	1 U	1 U	5 U
	6/21/2002		1 U	1 U	1 U	1 U	1 U	1 U
	12/5/2002		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	7/23/2003		1 U	1 U	1 U	1 U	1 U	1 U
	2/23/2004		2.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	12/14/2004		16	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	12/14/2004	(Duplicate)	17	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	5/19/2005		22	0.27 J	1.0 U	1.0 U	1.0 U	1.0 U
	12/8/2005		31	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
	9/26/2006		41	1.4 U	--	--	1.4 UJ	1.4 U
	9/10/2007		52	2.5 U	--	--	2.5 U	2.5 U
	9/10/2007	(Duplicate)	52	2.5 U	--	--	2.5 U	2.5 U
	9/29/2008		41	1.4 U	--	--	1.4 U	1.4 U
	9/15/2009		59	2.5 U	--	--	2.5 U	2.5 U
	9/8/2010		50	2.0 U	--	--	2.0 U	2.0 U
MW-301S	9/19/2011		72	2.5 U	--	--	2.5 U	2.5 U
	4/16/2012		45	1.7 U	1.7 U	--	1.7 U	1.7 U
	1/20/2003		1.0 UJ	0.96 J	1.0 U	1.0 U	1.0 U	1.0 U
	7/23/2003		1 U	0.69 J	1 U	1 U	1 U	1 U
MW-303S	2/27/2004		1.0 U	0.48 J	1.0 U	1.0 U	1.0 U	1.0 U
	4/18/2012		11	1.4	1.0 U	1.0 U	1.0 U	1.0 U
	1/20/2003		1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	7/23/2003		1 U	1 U	1 U	1 U	1 U	1 U
	2/24/2004		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	12/14/2004		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	5/20/2005		1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U
	12/9/2005		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	4/17/2012		1.0 U	1.0 U	1.0 U	--	1.0 U	1.0 U

Notes:

U The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J The associated value is qualified as an estimated quantity.

UJ The analyte was reported or qualified as not detected however, the sample report limit is qualified as an estimated value and may be inaccurate or imprecise.

-- Parameter not analyzed

ATTACHMENT 1

LABORATORY ANALYTICAL REPORTS

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Canton

4101 Shuffel Street NW

North Canton, OH 44720

Tel: (330)497-9396

TestAmerica Job ID: 240-10421-1

Client Project/Site: 012607, RACER Livonia/Eckles Rd

For:

Conestoga-Rovers & Associates, Inc.

14496 Sheldon Road, Suite 200

Plymouth, Michigan 48170

Attn: Mr. Paul Wiseman



Authorized for release by:

4/23/2012 3:57:49 PM

Nathan Pietras

Project Manager II

nathan.pietras@testamericainc.com

Designee for

Denise Heckler

Project Manager II

denise.heckler@testamericainc.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 012607, RACER Livonia/Eckles Rd

TestAmerica Job ID: 240-10421-1

Job ID: 240-10421-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 012607, RACER Livonia/Eckles Rd

Report Number: 240-10421-1

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

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

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

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

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

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

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

RECEIPT

The samples were received on 04/20/2012; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 2.9 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples GW-12607-041712-SK-052 (240-10421-1), GW-12607-041812-SK-056 (240-10421-2) and GW-12607-041812-SK-057 (240-10421-3) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 04/21/2012.

Sample GW-12607-041712-SK-052 (240-10421-1)[3.33X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the VOCs analyses.

All quality control parameters were within the acceptance limits.

Definitions/Glossary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 012607, RACER Livonia/Eckles Rd

TestAmerica Job ID: 240-10421-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 012607, RACER Livonia/Eckles Rd

TestAmerica Job ID: 240-10421-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-10421-1	GW-12607-041712-SK-052	Water	04/17/12 12:30	04/20/12 10:00
240-10421-2	GW-12607-041812-SK-056	Water	04/18/12 12:05	04/20/12 10:00
240-10421-3	GW-12607-041812-SK-057	Water	04/18/12 14:15	04/20/12 10:00

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 012607, RACER Livonia/Eckles Rd

TestAmerica Job ID: 240-10421-1

Client Sample ID: GW-12607-041712-SK-052

Lab Sample ID: 240-10421-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	14		3.3	0.73	ug/L	3.33		8260B	Total/NA
Trichloroethene	93		3.3	0.57	ug/L	3.33		8260B	Total/NA

Client Sample ID: GW-12607-041812-SK-056

Lab Sample ID: 240-10421-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	1.7		1.0	0.22	ug/L	1		8260B	Total/NA
Trichloroethene	1.3		1.0	0.17	ug/L	1		8260B	Total/NA

Client Sample ID: GW-12607-041812-SK-057

Lab Sample ID: 240-10421-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	11		1.0	0.22	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	1.4		1.0	0.17	ug/L	1		8260B	Total/NA

Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 012607, RACER Livonia/Eckles Rd

TestAmerica Job ID: 240-10421-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NC

Protocol References:

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

Laboratory References:

TAL NC = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 012607, RACER Livonia/Eckles Rd

TestAmerica Job ID: 240-10421-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: GW-12607-041712-SK-052

Date Collected: 04/17/12 12:30

Date Received: 04/20/12 10:00

Lab Sample ID: 240-10421-1

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	14		3.3	0.73	ug/L			04/21/12 15:08	3.33
cis-1,2-Dichloroethene	3.3	U	3.3	0.57	ug/L			04/21/12 15:08	3.33
Tetrachloroethene	3.3	U	3.3	0.97	ug/L			04/21/12 15:08	3.33
trans-1,2-Dichloroethene	3.3	U	3.3	0.63	ug/L			04/21/12 15:08	3.33
Trichloroethene	93		3.3	0.57	ug/L			04/21/12 15:08	3.33
Vinyl chloride	3.3	U	3.3	0.73	ug/L			04/21/12 15:08	3.33
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		63 - 129					04/21/12 15:08	3.33
4-Bromofluorobenzene (Surr)	83		66 - 117					04/21/12 15:08	3.33
Toluene-d8 (Surr)	95		74 - 115					04/21/12 15:08	3.33
Dibromofluoromethane (Surr)	96		75 - 121					04/21/12 15:08	3.33

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 012607, RACER Livonia/Eckles Rd

TestAmerica Job ID: 240-10421-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: GW-12607-041812-SK-056

Date Collected: 04/18/12 12:05

Date Received: 04/20/12 10:00

Lab Sample ID: 240-10421-2

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.7		1.0	0.22	ug/L			04/21/12 15:29	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			04/21/12 15:29	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			04/21/12 15:29	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			04/21/12 15:29	1
Trichloroethene	1.3		1.0	0.17	ug/L			04/21/12 15:29	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			04/21/12 15:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		63 - 129		04/21/12 15:29	1
4-Bromofluorobenzene (Surr)	82		66 - 117		04/21/12 15:29	1
Toluene-d8 (Surr)	94		74 - 115		04/21/12 15:29	1
Dibromofluoromethane (Surr)	98		75 - 121		04/21/12 15:29	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 012607, RACER Livonia/Eckles Rd

TestAmerica Job ID: 240-10421-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: GW-12607-041812-SK-057

Lab Sample ID: 240-10421-3

Date Collected: 04/18/12 14:15

Matrix: Water

Date Received: 04/20/12 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	11		1.0	0.22	ug/L			04/21/12 15:51	1
cis-1,2-Dichloroethene	1.4		1.0	0.17	ug/L			04/21/12 15:51	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			04/21/12 15:51	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			04/21/12 15:51	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			04/21/12 15:51	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			04/21/12 15:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		63 - 129		04/21/12 15:51	1
4-Bromofluorobenzene (Surr)	83		66 - 117		04/21/12 15:51	1
Toluene-d8 (Surr)	91		74 - 115		04/21/12 15:51	1
Dibromofluoromethane (Surr)	98		75 - 121		04/21/12 15:51	1

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 012607, RACER Livonia/Eckles Rd

TestAmerica Job ID: 240-10421-1

GC/MS VOA

Analysis Batch: 41084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-10421-1	GW-12607-041712-SK-052	Total/NA	Water	8260B	
240-10421-2	GW-12607-041812-SK-056	Total/NA	Water	8260B	
240-10421-3	GW-12607-041812-SK-057	Total/NA	Water	8260B	
LCS 240-41084/4	Lab Control Sample	Total/NA	Water	8260B	
MB 240-41084/5	Method Blank	Total/NA	Water	8260B	

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 012607, RACER Livonia/Eckles Rd

TestAmerica Job ID: 240-10421-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 240-41084/5

Matrix: Water

Analysis Batch: 41084

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			04/21/12 14:47	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			04/21/12 14:47	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			04/21/12 14:47	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			04/21/12 14:47	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			04/21/12 14:47	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			04/21/12 14:47	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		63 - 129		04/21/12 14:47	1
4-Bromofluorobenzene (Surr)	82		66 - 117		04/21/12 14:47	1
Toluene-d8 (Surr)	97		74 - 115		04/21/12 14:47	1
Dibromofluoromethane (Surr)	96		75 - 121		04/21/12 14:47	1

Lab Sample ID: LCS 240-41084/4

Matrix: Water

Analysis Batch: 41084

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	10.0	9.16		ug/L		92	74 - 118
cis-1,2-Dichloroethene	10.0	9.29		ug/L		93	80 - 113
Tetrachloroethene	10.0	10.4		ug/L		104	79 - 114
trans-1,2-Dichloroethene	10.0	9.60		ug/L		96	83 - 117
Trichloroethene	10.0	10.4		ug/L		104	76 - 117
Vinyl chloride	10.0	7.61		ug/L		76	53 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	86		63 - 129
4-Bromofluorobenzene (Surr)	88		66 - 117
Toluene-d8 (Surr)	94		74 - 115
Dibromofluoromethane (Surr)	100		75 - 121

Surrogate Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 012607, RACER Livonia/Eckles Rd

TestAmerica Job ID: 240-10421-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		12DCE (63-129)	BFB (66-117)	TOL (74-115)	DBFM (75-121)
240-10421-1	GW-12607-041712-SK-052	86	83	95	96
240-10421-2	GW-12607-041812-SK-056	87	82	94	98
240-10421-3	GW-12607-041812-SK-057	87	83	91	98
LCS 240-41084/4	Lab Control Sample	86	88	94	100
MB 240-41084/5	Method Blank	86	82	97	96

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 012607, RACER Livonia/Eckles Rd

TestAmerica Job ID: 240-10421-1

Client Sample ID: GW-12607-041712-SK-052

Date Collected: 04/17/12 12:30

Date Received: 04/20/12 10:00

Lab Sample ID: 240-10421-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		3.33	41084	04/21/12 15:08	LW	TAL NC

Client Sample ID: GW-12607-041812-SK-056

Date Collected: 04/18/12 12:05

Date Received: 04/20/12 10:00

Lab Sample ID: 240-10421-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	41084	04/21/12 15:29	LW	TAL NC

Client Sample ID: GW-12607-041812-SK-057

Date Collected: 04/18/12 14:15

Date Received: 04/20/12 10:00

Lab Sample ID: 240-10421-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	41084	04/21/12 15:51	LW	TAL NC

Laboratory References:

TAL NC = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 012607, RACER Livonia/Eckles Rd

TestAmerica Job ID: 240-10421-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Canton	California	NELAC	9	01144CA
TestAmerica Canton	Connecticut	State Program	1	PH-0590
TestAmerica Canton	Florida	NELAC	4	E87225
TestAmerica Canton	Georgia	State Program	4	N/A
TestAmerica Canton	Illinois	NELAC	5	200004
TestAmerica Canton	Kansas	NELAC	7	E-10336
TestAmerica Canton	Kentucky	State Program	4	58
TestAmerica Canton	L-A-B	DoD ELAP		L2315
TestAmerica Canton	Minnesota	NELAC	5	039-999-348
TestAmerica Canton	Nevada	State Program	9	OH-000482008A
TestAmerica Canton	New Jersey	NELAC	2	OH001
TestAmerica Canton	New York	NELAC	2	10975
TestAmerica Canton	Ohio VAP	State Program	5	CL0024
TestAmerica Canton	Pennsylvania	NELAC	3	68-00340
TestAmerica Canton	USDA	Federal		P330-11-00328
TestAmerica Canton	Virginia	NELAC	3	460175
TestAmerica Canton	Washington	State Program	10	C971
TestAmerica Canton	West Virginia DEP	State Program	3	210
TestAmerica Canton	Wisconsin	State Program	5	999518190

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



CONESTOGA-ROVERS
& ASSOCIATES

CHAIN OF CUSTODY RECORD

14496 Sheldon Road, Suite #200, Plymouth, Michigan 48170

Phone: (734) 453-5123

Fax: (734) 453-5201

COC NO: PL-08506

PAGE 1 OF 1

(See Reverse Side for Instructions)

Project No/Phase/Task Code: 012607				Laboratory Name: Test America				Lab Location: N. Canton, OH				SSOW ID: 13020-T01-008A			
Project Name: Eckles Road Site				Lab Contact: D. Heckler				Lab Quote No: -				Cooler No: -			
Project Location: Livonia, M.I.				CONTAINER QUANTITY & PRESERVATION				ANALYSIS REQUESTED (See Back of COC for Definitions)				Carrier: Fed Ex			
Chemistry Contact: Paul Wiseman				SAMPLE TYPE				Unpreserved				Airbill No: -			
Sampler(s): Scott Kipper				Matrix Code				Grab (G) or Comp (C)				Date Shipped: 04-19-2012			
SAMPLE IDENTIFICATION (Containers for each sample may be combined on one line)				DATE (mm/dd/yy)				TIME (hh:mm)				COMMENTS/SPECIAL INSTRUCTIONS			
1 GW-12607-041612-SK-047				04/16/12				11:35				MS/MSD Request			
2				048				13:15				X			
3				049				13:55				X			
4				050				14:40				X			
5				051				16:05				X			
6 GW-12607-041712-SK-052				04/17/12				12:30				X			
7				053				13:50				X			
8				054				15:00				X			
9				055				16:05				X			
10 GW-12607-041812-SK-056				04/18/12				12:05				X			
11				057				14:15				X			
12				058				15:15				X			
13 GW-12607-041912-SK-059				04/19/12				11:20				X			
14				060				12:55				X			
15 TB-12607-041912-SK				-				TB				X			
TAT Required in business days (use separate COCs for different TATs):				DATE				TIME				Notes/ Special Requirements:			
☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☒ 2 Week ☐ Other:				COMPANY				RECEIVED BY				COMPANY			
1. Scott Kipper				CRA				04/19/12 16:00				TAM			
2.															
3.															
Total Number of Containers: 49				All Samples in Cooler must be on COC											

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT - ALL FIELDS MUST BE COMPLETED ACCURATELY

Distribution:

WHITE - Fully Executed Copy (CRA)

YELLOW - Receiving Laboratory Copy

PINK - Shipper

GOLDENROD - Sampling Crew

CRA Form: COC-10A (2010804)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

TestAmerica North Canton Sample Receipt Form/Narrative

Login # : 10386

Client CRA Site Name _____ By: [Signature]
Cooler Received on 4-20-12 Opened on 4-20-12 (Signature)
FedEx: 1st Grd Exp UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____
TestAmerica Cooler # Not Foam Box Client Cooler Box Other _____
Packing material used: Bubble Wrap Foam Plastic Bag None Other _____
COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt
- | | | | |
|----------------------|-------------------------------------|--------------------------------------|---|
| IR GUN# 1 (CF -2°C) | Observed Sample Temp. _____ °C | Corrected Sample Temp. _____ °C | ☐ Multiple on Back |
| IR GUN# 4G (CF -1°C) | Observed Sample Temp. <u>3.9</u> °C | Corrected Sample Temp. <u>2.9</u> °C | |
| IR GUN# 5G (CF -1°C) | Observed Sample Temp. _____ °C | Corrected Sample Temp. _____ °C | |
| IR GUN# 6Y (CF -2°C) | Observed Sample Temp. _____ °C | Corrected Sample Temp. _____ °C | |
2. Were custody seals on the outside of the cooler(s)? If Yes Quantity _____ Yes No
-Were custody seals on the outside of the cooler(s) signed & dated? Yes No NA
-Were custody seals on the bottle(s)? Yes No
3. Shippers' packing slip attached to the cooler(s)? Yes No
4. Did custody papers accompany the sample(s)? Yes No
5. Were the custody papers relinquished & signed in the appropriate place? Yes No
6. Did all bottles arrive in good condition (Unbroken)? Yes No
7. Could all bottle labels be reconciled with the COC? Yes No
8. Were correct bottle(s) used for the test(s) indicated? Yes No
9. Sufficient quantity received to perform indicated analyses? Yes No
10. Were sample(s) at the correct pH upon receipt? Yes No NA
11. Were VOAs on the COC? Yes No
12. Were air bubbles >6 mm in any VOA vials? Yes No NA
13. Was a trip blank present in the cooler(s)? Yes No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other _____
Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
Sample(s) _____ were received in a broken container.
Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

[illegible][illegible]

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 240-10421-1

Login Number: 10421

List Number: 1

Creator: Sutek, Nick

List Source: TestAmerica Canton

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Canton

4101 Shuffel Street NW

North Canton, OH 44720

Tel: (330)497-9396

TestAmerica Job ID: 240-10386-1

Client Project/Site: 012607, RACER Livonia/Eckles Rd

Revision: 1

For:

Conestoga-Rovers & Associates, Inc.

14496 Sheldon Road, Suite 200

Plymouth, Michigan 48170

Attn: Mr. Paul Wiseman



Authorized for release by:

6/11/2012 2:09:07 PM

Denise Heckler

Project Manager II

denise.heckler@testamericainc.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 012607, RACER Livonia/Eckles Rd

TestAmerica Job ID: 240-10386-1

Job ID: 240-10386-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 012607, RACER Livonia/Eckles Rd

Report Number: 240-10386-1

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

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

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

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

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

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

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

A revised report was provided on June 11, 2012. The revision included the addition of tetrachloroethene data.

RECEIPT

The samples were received on 04/20/2012; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 2.9 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples GW-12607-041612-SK-047 (240-10386-1), GW-12607-041612-SK-048 (240-10386-2), GW-12607-041612-SK-049 (240-10386-3), GW-12607-041612-SK-050 (240-10386-4), GW-12607-041612-SK-051 (240-10386-5), GW-12607-041712-SK-053 (240-10386-7), GW-12607-041712-SK-054 (240-10386-8), GW-12607-041712-SK-055 (240-10386-9), GW-12607-041812-SK-058 (240-10386-12), GW-12607-041912-SK-059 (240-10386-13), GW-12607-041912-SK-060 (240-10386-14) and TB-12607-041912-SK (240-10386-15) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 04/27/2012, 04/28/2012 and 04/29/2012.

Samples GW-12607-041612-SK-050 (240-10386-4)[1.67X] and GW-12607-041712-SK-054 (240-10386-8)[1.43X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The laboratory control sample (LCS) for batch 42083 exceeded control limits for the following analytes: tetrachloroethene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 012607, RACER Livonia/Eckles Rd

TestAmerica Job ID: 240-10386-1

Job ID: 240-10386-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

No difficulties were encountered during the VOCs analyses.

All quality control parameters were within the acceptance limits.

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Definitions/Glossary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 012607, RACER Livonia/Eckles Rd

TestAmerica Job ID: 240-10386-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 012607, RACER Livonia/Eckles Rd

TestAmerica Job ID: 240-10386-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-10386-1	GW-12607-041612-SK-047	Water	04/16/12 11:35	04/20/12 10:00
240-10386-2	GW-12607-041612-SK-048	Water	04/16/12 13:15	04/20/12 10:00
240-10386-3	GW-12607-041612-SK-049	Water	04/16/12 13:55	04/20/12 10:00
240-10386-4	GW-12607-041612-SK-050	Water	04/16/12 14:40	04/20/12 10:00
240-10386-5	GW-12607-041612-SK-051	Water	04/16/12 16:05	04/20/12 10:00
240-10386-7	GW-12607-041712-SK-053	Water	04/17/12 13:50	04/20/12 10:00
240-10386-8	GW-12607-041712-SK-054	Water	04/17/12 15:00	04/20/12 10:00
240-10386-9	GW-12607-041712-SK-055	Water	04/17/12 16:05	04/20/12 10:00
240-10386-12	GW-12607-041812-SK-058	Water	04/18/12 15:15	04/20/12 10:00
240-10386-13	GW-12607-041912-SK-059	Water	04/19/12 11:20	04/20/12 10:00
240-10386-14	GW-12607-041912-SK-060	Water	04/19/12 12:55	04/20/12 10:00
240-10386-15	TB-12607-041912-SK	Water	04/19/12 00:00	04/20/12 10:00

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 012607, RACER Livonia/Eckles Rd

TestAmerica Job ID: 240-10386-1

Client Sample ID: GW-12607-041612-SK-047

Lab Sample ID: 240-10386-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	6.4		1.0	0.22	ug/L	1		8260B	Total/NA

Client Sample ID: GW-12607-041612-SK-048

Lab Sample ID: 240-10386-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	10		1.0	0.22	ug/L	1		8260B	Total/NA
Trichloroethene	28		1.0	0.17	ug/L	1		8260B	Total/NA

Client Sample ID: GW-12607-041612-SK-049

Lab Sample ID: 240-10386-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	10		1.0	0.22	ug/L	1		8260B	Total/NA
Trichloroethene	27		1.0	0.17	ug/L	1		8260B	Total/NA

Client Sample ID: GW-12607-041612-SK-050

Lab Sample ID: 240-10386-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	45		1.7	0.37	ug/L	1.667		8260B	Total/NA

Client Sample ID: GW-12607-041612-SK-051

Lab Sample ID: 240-10386-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	16		1.0	0.22	ug/L	1		8260B	Total/NA

Client Sample ID: GW-12607-041712-SK-053

Lab Sample ID: 240-10386-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	4.1		1.0	0.22	ug/L	1		8260B	Total/NA

Client Sample ID: GW-12607-041712-SK-054

Lab Sample ID: 240-10386-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	12		1.4	0.31	ug/L	1.429		8260B	Total/NA
Trichloroethene	36		1.4	0.24	ug/L	1.429		8260B	Total/NA

Client Sample ID: GW-12607-041712-SK-055

Lab Sample ID: 240-10386-9

No Detections

Client Sample ID: GW-12607-041812-SK-058

Lab Sample ID: 240-10386-12

No Detections

Client Sample ID: GW-12607-041912-SK-059

Lab Sample ID: 240-10386-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	8.6		1.0	0.22	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	3.9		1.0	0.17	ug/L	1		8260B	Total/NA
Trichloroethene	19		1.0	0.17	ug/L	1		8260B	Total/NA

Client Sample ID: GW-12607-041912-SK-060

Lab Sample ID: 240-10386-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	1.6		1.0	0.22	ug/L	1		8260B	Total/NA

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 012607, RACER Livonia/Eckles Rd

TestAmerica Job ID: 240-10386-1

Client Sample ID: GW-12607-041912-SK-060 (Continued)

Lab Sample ID: 240-10386-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.84	J	1.0	0.17	ug/L	1		8260B	Total/NA

Client Sample ID: TB-12607-041912-SK

Lab Sample ID: 240-10386-15

No Detections

Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 012607, RACER Livonia/Eckles Rd

TestAmerica Job ID: 240-10386-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NC

Protocol References:

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

Laboratory References:

TAL NC = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 012607, RACER Livonia/Eckles Rd

TestAmerica Job ID: 240-10386-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: GW-12607-041612-SK-047

Lab Sample ID: 240-10386-1

Date Collected: 04/16/12 11:35

Matrix: Water

Date Received: 04/20/12 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	6.4		1.0	0.22	ug/L			04/27/12 23:03	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			04/27/12 23:03	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			04/27/12 23:03	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			04/27/12 23:03	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			04/27/12 23:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		63 - 129					04/27/12 23:03	1
4-Bromofluorobenzene (Surr)	81		66 - 117					04/27/12 23:03	1
Toluene-d8 (Surr)	95		74 - 115					04/27/12 23:03	1
Dibromofluoromethane (Surr)	104		75 - 121					04/27/12 23:03	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 012607, RACER Livonia/Eckles Rd

TestAmerica Job ID: 240-10386-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: GW-12607-041612-SK-048

Lab Sample ID: 240-10386-2

Date Collected: 04/16/12 13:15

Matrix: Water

Date Received: 04/20/12 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	10		1.0	0.22	ug/L			04/27/12 23:24	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			04/27/12 23:24	1
Trichloroethene	28		1.0	0.17	ug/L			04/27/12 23:24	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			04/27/12 23:24	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			04/27/12 23:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		63 - 129		04/27/12 23:24	1
4-Bromofluorobenzene (Surr)	80		66 - 117		04/27/12 23:24	1
Toluene-d8 (Surr)	96		74 - 115		04/27/12 23:24	1
Dibromofluoromethane (Surr)	109		75 - 121		04/27/12 23:24	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 012607, RACER Livonia/Eckles Rd

TestAmerica Job ID: 240-10386-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: GW-12607-041612-SK-049

Lab Sample ID: 240-10386-3

Date Collected: 04/16/12 13:55

Matrix: Water

Date Received: 04/20/12 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	10		1.0	0.22	ug/L			04/27/12 23:46	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			04/27/12 23:46	1
Trichloroethene	27		1.0	0.17	ug/L			04/27/12 23:46	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			04/27/12 23:46	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			04/27/12 23:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		63 - 129		04/27/12 23:46	1
4-Bromofluorobenzene (Surr)	78		66 - 117		04/27/12 23:46	1
Toluene-d8 (Surr)	97		74 - 115		04/27/12 23:46	1
Dibromofluoromethane (Surr)	107		75 - 121		04/27/12 23:46	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 012607, RACER Livonia/Eckles Rd

TestAmerica Job ID: 240-10386-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: GW-12607-041612-SK-050

Lab Sample ID: 240-10386-4

Date Collected: 04/16/12 14:40

Matrix: Water

Date Received: 04/20/12 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	45		1.7	0.37	ug/L			04/29/12 13:51	1.667
cis-1,2-Dichloroethene	1.7	U	1.7	0.28	ug/L			04/29/12 13:51	1.667
Trichloroethene	1.7	U	1.7	0.28	ug/L			04/29/12 13:51	1.667
Vinyl chloride	1.7	U	1.7	0.37	ug/L			04/29/12 13:51	1.667
Tetrachloroethene	1.7	U *	1.7	0.48	ug/L			04/29/12 13:51	1.667

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		63 - 129		04/29/12 13:51	1.667
4-Bromofluorobenzene (Surr)	81		66 - 117		04/29/12 13:51	1.667
Toluene-d8 (Surr)	95		74 - 115		04/29/12 13:51	1.667
Dibromofluoromethane (Surr)	106		75 - 121		04/29/12 13:51	1.667

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 012607, RACER Livonia/Eckles Rd

TestAmerica Job ID: 240-10386-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: GW-12607-041612-SK-051

Lab Sample ID: 240-10386-5

Date Collected: 04/16/12 16:05

Matrix: Water

Date Received: 04/20/12 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	16		1.0	0.22	ug/L			04/28/12 00:29	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			04/28/12 00:29	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			04/28/12 00:29	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			04/28/12 00:29	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			04/28/12 00:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		63 - 129		04/28/12 00:29	1
4-Bromofluorobenzene (Surr)	81		66 - 117		04/28/12 00:29	1
Toluene-d8 (Surr)	95		74 - 115		04/28/12 00:29	1
Dibromofluoromethane (Surr)	110		75 - 121		04/28/12 00:29	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 012607, RACER Livonia/Eckles Rd

TestAmerica Job ID: 240-10386-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: GW-12607-041712-SK-053

Lab Sample ID: 240-10386-7

Date Collected: 04/17/12 13:50

Matrix: Water

Date Received: 04/20/12 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.1		1.0	0.22	ug/L			04/28/12 00:50	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			04/28/12 00:50	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			04/28/12 00:50	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			04/28/12 00:50	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			04/28/12 00:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		63 - 129		04/28/12 00:50	1
4-Bromofluorobenzene (Surr)	78		66 - 117		04/28/12 00:50	1
Toluene-d8 (Surr)	97		74 - 115		04/28/12 00:50	1
Dibromofluoromethane (Surr)	105		75 - 121		04/28/12 00:50	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 012607, RACER Livonia/Eckles Rd

TestAmerica Job ID: 240-10386-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: GW-12607-041712-SK-054

Lab Sample ID: 240-10386-8

Date Collected: 04/17/12 15:00

Matrix: Water

Date Received: 04/20/12 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	12		1.4	0.31	ug/L			04/29/12 14:13	1.429
cis-1,2-Dichloroethene	1.4	U	1.4	0.24	ug/L			04/29/12 14:13	1.429
Trichloroethene	36		1.4	0.24	ug/L			04/29/12 14:13	1.429
Vinyl chloride	1.4	U	1.4	0.31	ug/L			04/29/12 14:13	1.429
Tetrachloroethene	1.4	U *	1.4	0.41	ug/L			04/29/12 14:13	1.429

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		63 - 129		04/29/12 14:13	1.429
4-Bromofluorobenzene (Surr)	79		66 - 117		04/29/12 14:13	1.429
Toluene-d8 (Surr)	91		74 - 115		04/29/12 14:13	1.429
Dibromofluoromethane (Surr)	110		75 - 121		04/29/12 14:13	1.429

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 012607, RACER Livonia/Eckles Rd

TestAmerica Job ID: 240-10386-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: GW-12607-041712-SK-055

Lab Sample ID: 240-10386-9

Date Collected: 04/17/12 16:05

Matrix: Water

Date Received: 04/20/12 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			04/28/12 01:33	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			04/28/12 01:33	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			04/28/12 01:33	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			04/28/12 01:33	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			04/28/12 01:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		63 - 129		04/28/12 01:33	1
4-Bromofluorobenzene (Surr)	79		66 - 117		04/28/12 01:33	1
Toluene-d8 (Surr)	96		74 - 115		04/28/12 01:33	1
Dibromofluoromethane (Surr)	110		75 - 121		04/28/12 01:33	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 012607, RACER Livonia/Eckles Rd

TestAmerica Job ID: 240-10386-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: GW-12607-041812-SK-058

Lab Sample ID: 240-10386-12

Date Collected: 04/18/12 15:15

Matrix: Water

Date Received: 04/20/12 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			04/29/12 13:29	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			04/29/12 13:29	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			04/29/12 13:29	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			04/29/12 13:29	1
Tetrachloroethene	1.0	U *	1.0	0.29	ug/L			04/29/12 13:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		63 - 129		04/29/12 13:29	1
4-Bromofluorobenzene (Surr)	79		66 - 117		04/29/12 13:29	1
Toluene-d8 (Surr)	95		74 - 115		04/29/12 13:29	1
Dibromofluoromethane (Surr)	110		75 - 121		04/29/12 13:29	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 012607, RACER Livonia/Eckles Rd

TestAmerica Job ID: 240-10386-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: GW-12607-041912-SK-059

Lab Sample ID: 240-10386-13

Date Collected: 04/19/12 11:20

Matrix: Water

Date Received: 04/20/12 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	8.6		1.0	0.22	ug/L			04/29/12 15:40	1
cis-1,2-Dichloroethene	3.9		1.0	0.17	ug/L			04/29/12 15:40	1
Trichloroethene	19		1.0	0.17	ug/L			04/29/12 15:40	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			04/29/12 15:40	1
Tetrachloroethene	1.0	U *	1.0	0.29	ug/L			04/29/12 15:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		63 - 129		04/29/12 15:40	1
4-Bromofluorobenzene (Surr)	78		66 - 117		04/29/12 15:40	1
Toluene-d8 (Surr)	96		74 - 115		04/29/12 15:40	1
Dibromofluoromethane (Surr)	105		75 - 121		04/29/12 15:40	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 012607, RACER Livonia/Eckles Rd

TestAmerica Job ID: 240-10386-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: GW-12607-041912-SK-060

Lab Sample ID: 240-10386-14

Date Collected: 04/19/12 12:55

Matrix: Water

Date Received: 04/20/12 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.6		1.0	0.22	ug/L			04/29/12 16:02	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			04/29/12 16:02	1
Trichloroethene	0.84	J	1.0	0.17	ug/L			04/29/12 16:02	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			04/29/12 16:02	1
Tetrachloroethene	1.0	U *	1.0	0.29	ug/L			04/29/12 16:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		63 - 129		04/29/12 16:02	1
4-Bromofluorobenzene (Surr)	78		66 - 117		04/29/12 16:02	1
Toluene-d8 (Surr)	97		74 - 115		04/29/12 16:02	1
Dibromofluoromethane (Surr)	108		75 - 121		04/29/12 16:02	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 012607, RACER Livonia/Eckles Rd

TestAmerica Job ID: 240-10386-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: TB-12607-041912-SK

Date Collected: 04/19/12 00:00

Date Received: 04/20/12 10:00

Lab Sample ID: 240-10386-15

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			04/29/12 15:18	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			04/29/12 15:18	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			04/29/12 15:18	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			04/29/12 15:18	1
Tetrachloroethene	1.0	U *	1.0	0.29	ug/L			04/29/12 15:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		63 - 129		04/29/12 15:18	1
4-Bromofluorobenzene (Surr)	82		66 - 117		04/29/12 15:18	1
Toluene-d8 (Surr)	95		74 - 115		04/29/12 15:18	1
Dibromofluoromethane (Surr)	103		75 - 121		04/29/12 15:18	1

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 012607, RACER Livonia/Eckles Rd

TestAmerica Job ID: 240-10386-1

GC/MS VOA

Analysis Batch: 41935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-10386-1	GW-12607-041612-SK-047	Total/NA	Water	8260B	
240-10386-2	GW-12607-041612-SK-048	Total/NA	Water	8260B	
240-10386-3	GW-12607-041612-SK-049	Total/NA	Water	8260B	
240-10386-5	GW-12607-041612-SK-051	Total/NA	Water	8260B	
240-10386-7	GW-12607-041712-SK-053	Total/NA	Water	8260B	
240-10386-9	GW-12607-041712-SK-055	Total/NA	Water	8260B	
LCS 240-41935/4	Lab Control Sample	Total/NA	Water	8260B	
MB 240-41935/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 42083

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-10386-4	GW-12607-041612-SK-050	Total/NA	Water	8260B	
240-10386-8	GW-12607-041712-SK-054	Total/NA	Water	8260B	
240-10386-12	GW-12607-041812-SK-058	Total/NA	Water	8260B	
240-10386-12 MS	GW-12607-041812-SK-058	Total/NA	Water	8260B	
240-10386-12 MSD	GW-12607-041812-SK-058	Total/NA	Water	8260B	
240-10386-13	GW-12607-041912-SK-059	Total/NA	Water	8260B	
240-10386-14	GW-12607-041912-SK-060	Total/NA	Water	8260B	
240-10386-15	TB-12607-041912-SK	Total/NA	Water	8260B	
LCS 240-42083/4	Lab Control Sample	Total/NA	Water	8260B	
MB 240-42083/5	Method Blank	Total/NA	Water	8260B	

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 012607, RACER Livonia/Eckles Rd

TestAmerica Job ID: 240-10386-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 240-41935/5

Matrix: Water

Analysis Batch: 41935

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			04/27/12 22:41	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			04/27/12 22:41	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			04/27/12 22:41	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			04/27/12 22:41	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			04/27/12 22:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		63 - 129		04/27/12 22:41	1
4-Bromofluorobenzene (Surr)	83		66 - 117		04/27/12 22:41	1
Toluene-d8 (Surr)	93		74 - 115		04/27/12 22:41	1
Dibromofluoromethane (Surr)	105		75 - 121		04/27/12 22:41	1

Lab Sample ID: LCS 240-41935/4

Matrix: Water

Analysis Batch: 41935

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	10.0	10.7		ug/L		107	74 - 118
cis-1,2-Dichloroethene	10.0	10.3		ug/L		103	80 - 113
Trichloroethene	10.0	11.3		ug/L		113	76 - 117
Vinyl chloride	10.0	9.56		ug/L		96	53 - 127
Tetrachloroethene	10.0	11.2		ug/L		112	79 - 114

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	110		63 - 129
4-Bromofluorobenzene (Surr)	89		66 - 117
Toluene-d8 (Surr)	100		74 - 115
Dibromofluoromethane (Surr)	106		75 - 121

Lab Sample ID: MB 240-42083/5

Matrix: Water

Analysis Batch: 42083

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			04/29/12 12:43	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			04/29/12 12:43	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			04/29/12 12:43	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			04/29/12 12:43	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			04/29/12 12:43	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		63 - 129		04/29/12 12:43	1
4-Bromofluorobenzene (Surr)	81		66 - 117		04/29/12 12:43	1
Toluene-d8 (Surr)	96		74 - 115		04/29/12 12:43	1
Dibromofluoromethane (Surr)	107		75 - 121		04/29/12 12:43	1

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 012607, RACER Livonia/Eckles Rd

TestAmerica Job ID: 240-10386-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-42083/4

Matrix: Water

Analysis Batch: 42083

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	10.0	10.6		ug/L		106	74 - 118
cis-1,2-Dichloroethene	10.0	10.0		ug/L		100	80 - 113
Trichloroethene	10.0	11.5		ug/L		115	76 - 117
Vinyl chloride	10.0	9.49		ug/L		95	53 - 127
Tetrachloroethene	10.0	11.5	*	ug/L		115	79 - 114

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	109		63 - 129
4-Bromofluorobenzene (Surr)	90		66 - 117
Toluene-d8 (Surr)	96		74 - 115
Dibromofluoromethane (Surr)	110		75 - 121

Lab Sample ID: 240-10386-12 MS

Matrix: Water

Analysis Batch: 42083

Client Sample ID: GW-12607-041812-SK-058

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	1.0	U	10.0	10.2		ug/L		102	68 - 121
cis-1,2-Dichloroethene	1.0	U	10.0	9.32		ug/L		93	70 - 120
Trichloroethene	1.0	U	10.0	10.6		ug/L		106	66 - 120
Vinyl chloride	1.0	U	10.0	8.98		ug/L		90	49 - 130
Tetrachloroethene	1.0	U *	10.0	11.3		ug/L		113	70 - 117

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	107		63 - 129
4-Bromofluorobenzene (Surr)	89		66 - 117
Toluene-d8 (Surr)	99		74 - 115
Dibromofluoromethane (Surr)	108		75 - 121

Lab Sample ID: 240-10386-12 MSD

Matrix: Water

Analysis Batch: 42083

Client Sample ID: GW-12607-041812-SK-058

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	1.0	U	10.0	9.66		ug/L		97	68 - 121	5	30
cis-1,2-Dichloroethene	1.0	U	10.0	9.01		ug/L		90	70 - 120	3	30
Trichloroethene	1.0	U	10.0	10.0		ug/L		100	66 - 120	6	30
Vinyl chloride	1.0	U	10.0	8.57		ug/L		86	49 - 130	5	30
Tetrachloroethene	1.0	U *	10.0	10.8		ug/L		108	70 - 117	5	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		63 - 129
4-Bromofluorobenzene (Surr)	87		66 - 117
Toluene-d8 (Surr)	99		74 - 115
Dibromofluoromethane (Surr)	105		75 - 121

Surrogate Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 012607, RACER Livonia/Eckles Rd

TestAmerica Job ID: 240-10386-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		12DCE (63-129)	BFB (66-117)	TOL (74-115)	DBFM (75-121)
240-10386-1	GW-12607-041612-SK-047	105	81	95	104
240-10386-2	GW-12607-041612-SK-048	107	80	96	109
240-10386-3	GW-12607-041612-SK-049	107	78	97	107
240-10386-4	GW-12607-041612-SK-050	101	81	95	106
240-10386-5	GW-12607-041612-SK-051	109	81	95	110
240-10386-7	GW-12607-041712-SK-053	104	78	97	105
240-10386-8	GW-12607-041712-SK-054	104	79	91	110
240-10386-9	GW-12607-041712-SK-055	108	79	96	110
240-10386-12	GW-12607-041812-SK-058	102	79	95	110
240-10386-12 MS	GW-12607-041812-SK-058	107	89	99	108
240-10386-12 MSD	GW-12607-041812-SK-058	105	87	99	105
240-10386-13	GW-12607-041912-SK-059	103	78	96	105
240-10386-14	GW-12607-041912-SK-060	104	78	97	108
240-10386-15	TB-12607-041912-SK	101	82	95	103
LCS 240-41935/4	Lab Control Sample	110	89	100	106
LCS 240-42083/4	Lab Control Sample	109	90	96	110
MB 240-41935/5	Method Blank	104	83	93	105
MB 240-42083/5	Method Blank	104	81	96	107

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 012607, RACER Livonia/Eckles Rd

TestAmerica Job ID: 240-10386-1

Client Sample ID: GW-12607-041612-SK-047

Date Collected: 04/16/12 11:35

Date Received: 04/20/12 10:00

Lab Sample ID: 240-10386-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	41935	04/27/12 23:03	RQ	TAL NC

Client Sample ID: GW-12607-041612-SK-048

Date Collected: 04/16/12 13:15

Date Received: 04/20/12 10:00

Lab Sample ID: 240-10386-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	41935	04/27/12 23:24	RQ	TAL NC

Client Sample ID: GW-12607-041612-SK-049

Date Collected: 04/16/12 13:55

Date Received: 04/20/12 10:00

Lab Sample ID: 240-10386-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	41935	04/27/12 23:46	RQ	TAL NC

Client Sample ID: GW-12607-041612-SK-050

Date Collected: 04/16/12 14:40

Date Received: 04/20/12 10:00

Lab Sample ID: 240-10386-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1.667	42083	04/29/12 13:51	RQ	TAL NC

Client Sample ID: GW-12607-041612-SK-051

Date Collected: 04/16/12 16:05

Date Received: 04/20/12 10:00

Lab Sample ID: 240-10386-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	41935	04/28/12 00:29	RQ	TAL NC

Client Sample ID: GW-12607-041712-SK-053

Date Collected: 04/17/12 13:50

Date Received: 04/20/12 10:00

Lab Sample ID: 240-10386-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	41935	04/28/12 00:50	RQ	TAL NC

Client Sample ID: GW-12607-041712-SK-054

Date Collected: 04/17/12 15:00

Date Received: 04/20/12 10:00

Lab Sample ID: 240-10386-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1.429	42083	04/29/12 14:13	RQ	TAL NC

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 012607, RACER Livonia/Eckles Rd

TestAmerica Job ID: 240-10386-1

Client Sample ID: GW-12607-041712-SK-055

Lab Sample ID: 240-10386-9

Date Collected: 04/17/12 16:05

Matrix: Water

Date Received: 04/20/12 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	41935	04/28/12 01:33	RQ	TAL NC

Client Sample ID: GW-12607-041812-SK-058

Lab Sample ID: 240-10386-12

Date Collected: 04/18/12 15:15

Matrix: Water

Date Received: 04/20/12 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	42083	04/29/12 13:29	RQ	TAL NC

Client Sample ID: GW-12607-041912-SK-059

Lab Sample ID: 240-10386-13

Date Collected: 04/19/12 11:20

Matrix: Water

Date Received: 04/20/12 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	42083	04/29/12 15:40	RQ	TAL NC

Client Sample ID: GW-12607-041912-SK-060

Lab Sample ID: 240-10386-14

Date Collected: 04/19/12 12:55

Matrix: Water

Date Received: 04/20/12 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	42083	04/29/12 16:02	RQ	TAL NC

Client Sample ID: TB-12607-041912-SK

Lab Sample ID: 240-10386-15

Date Collected: 04/19/12 00:00

Matrix: Water

Date Received: 04/20/12 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	42083	04/29/12 15:18	RQ	TAL NC

Laboratory References:

TAL NC = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 012607, RACER Livonia/Eckles Rd

TestAmerica Job ID: 240-10386-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Canton	California	NELAC	9	01144CA
TestAmerica Canton	Connecticut	State Program	1	PH-0590
TestAmerica Canton	Florida	NELAC	4	E87225
TestAmerica Canton	Georgia	State Program	4	N/A
TestAmerica Canton	Illinois	NELAC	5	200004
TestAmerica Canton	Kansas	NELAC	7	E-10336
TestAmerica Canton	Kentucky	State Program	4	58
TestAmerica Canton	L-A-B	DoD ELAP		L2315
TestAmerica Canton	Minnesota	NELAC	5	039-999-348
TestAmerica Canton	Nevada	State Program	9	OH-000482008A
TestAmerica Canton	New Jersey	NELAC	2	OH001
TestAmerica Canton	New York	NELAC	2	10975
TestAmerica Canton	Ohio VAP	State Program	5	CL0024
TestAmerica Canton	Pennsylvania	NELAC	3	68-00340
TestAmerica Canton	USDA	Federal		P330-11-00328
TestAmerica Canton	Virginia	NELAC	3	460175
TestAmerica Canton	Washington	State Program	10	C971
TestAmerica Canton	West Virginia DEP	State Program	3	210
TestAmerica Canton	Wisconsin	State Program	5	999518190

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



CONESTOGA-ROVERS
& ASSOCIATES

REVISED COC 4/23/12 P&W

CHAIN OF CUSTODY RECORD

14496 Sheldon Road, Suite #200, Plymouth, Michigan 48170

Phone: (734) 453-5123

Fax: (734) 453-5201

COC NO: PL-08506

PAGE 1 OF

(See Reverse Side for Instructions)

Project No/Phase/Task Code: 012607		Laboratory Name: Test America		Lab Location: N. Canton, OH		SSOW ID: 13020-T01-008A	
Project Name: Eckles Road Site		Lab Contact: D. Heckler		Lab Quote No: 1		Carrier: Fed Ex	
Project Location: Livonia, M.I.		SAMPLE TYPE: Unpreserved		CONTAINER QUANTITY & PRESERVATION		ANALYSIS REQUESTED (See Back of COC for Definitions)	
Chemistry Contact: Paul Wiseman		Matrix Code (see back of COC)		Grab (g) or Comp (c)		MS/MSD Request	
Sampler(s): Scott Kipper		DATE (mm/dd/yyyy)		TIME (hh:mm)		Date Shipped: 04-19-2012	
SAMPLE IDENTIFICATION (Containers for each sample may be combined on one line)		DATE (mm/dd/yyyy)		TIME (hh:mm)		COMMENTS/ SPECIAL INSTRUCTIONS:	
1	QW-12607-041612-SK-047	04/16/12	11:35	W6	6	X	
2			13:15			X	
3			13:55			X	
4			14:40			X	
5			16:05			X	
6	QW-12607-041712-SK-052	04/17/12	12:30			X	
7			13:50			X	
8			15:00			X	
9			16:05			X	
10	QW-12607-041812-SK-056	04/18/12	12:05			X	
11			14:15			X	
12			15:15			X	
13	QW-12607-041912-SK-059	04/19/12	11:20			X	
14			12:55			X	
15	TB-12607-041912-SK		-	TB	-	X	
TAT Required in business days (use separate COCs for different TATs): ☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☒ 2 Week ☐ Other:		Total Number of Containers: 49		Notes/ Special Requirements:			
RELIQUISHED BY		DATE		COMPANY		DATE	
1. Scott Kipper		04/19/12		CRA		4-20-12 1000	
2.							
3.							

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT - ALL FIELDS MUST BE COMPLETED ACCURATELY

Distribution: WHITE - Fully Executed Copy (CRA)

YELLOW - Receiving Laboratory Copy

PINK - Shipper

GOLDENROD - Sampling Crew

CRA Form: COC-10A (20110804)

Project No/Phase/Task Code: 012607		Laboratory Name: Test America		Lab Location: N. Canton, OH		SSOW ID: 13020-T01-008A	
Project Name: Eckles Road Site		Lab Contact: D. Heckler		Lab Quote No: 1		Cooler No: 1	
Project Location: Livonia, M.I.		CONTAINER QUANTITY & PRESERVATION		ANALYSIS REQUESTED (See Back of COC for Definitions)		Carrier: Fed Ex	
Chemistry Contact: Paul Wiseman		SAMPLE TYPE		Total Containers/Sample		Airbill No: 1	
Sampler(s): Scott Kipper		Matrix Code (see back of COC)		Other:		Date Shipped: 04-19-2012	
SAMPLE IDENTIFICATION (Containers for each sample may be combined on one line)		DATE (mm/dd/yyyy)		TIME (hh:mm)		COMMENTS/ SPECIAL INSTRUCTIONS:	
GW-12607-041612-SK-047		04/16/12		11:35			
GW-12607-041612-SK-048		04/16/12		13:15			
GW-12607-041612-SK-049		04/16/12		13:55			
GW-12607-041612-SK-050		04/16/12		14:40			
GW-12607-041612-SK-051		04/16/12		16:05			
GW-12607-041712-SK-052		04/17/12		12:30			
GW-12607-041712-SK-053		04/17/12		13:50			
GW-12607-041712-SK-054		04/17/12		15:00			
GW-12607-041712-SK-055		04/17/12		16:05			
GW-12607-041812-SK-056		04/18/12		12:05			
GW-12607-041812-SK-057		04/18/12		14:15			
GW-12607-041812-SK-058		04/18/12		15:15			
GW-12607-041912-SK-059		04/19/12		11:26			
GW-12607-041912-SK-060		04/19/12		12:55			
TB-12607-041912-SK		04/19/12		12:55			
TAT Required in business days (use separate COCs for different TATs):		DATE		TIME		Notes/ Special Requirements:	
1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☐ 2 Week ☒ Other: ☐		COMPANY		RECEIVED BY		All Samples in Cooler must be on COC	
RELINQUISHED BY		DATE		TIME		Total Number of Containers: 49	
Scott Kipper		04/19/12		16:00		Notes/ Special Requirements:	
COMPANY		DATE		TIME		Notes/ Special Requirements:	
CRA		04/19/12		16:00		Notes/ Special Requirements:	
RELINQUISHED BY		DATE		TIME		Notes/ Special Requirements:	
Scott Kipper		04/19/12		16:00		Notes/ Special Requirements:	
COMPANY		DATE		TIME		Notes/ Special Requirements:	
CRA		04/19/12		16:00		Notes/ Special Requirements:	
RELINQUISHED BY		DATE		TIME		Notes/ Special Requirements:	
Scott Kipper		04/19/12		16:00		Notes/ Special Requirements:	
COMPANY		DATE		TIME		Notes/ Special Requirements:	
CRA		04/19/12		16:00		Notes/ Special Requirements:	
RELINQUISHED BY		DATE		TIME		Notes/ Special Requirements:	
Scott Kipper		04/19/12		16:00		Notes/ Special Requirements:	
COMPANY		DATE		TIME		Notes/ Special Requirements:	
CRA		04/19/12		16:00		Notes/ Special Requirements:	
RELINQUISHED BY		DATE		TIME		Notes/ Special Requirements:	
Scott Kipper		04/19/12		16:00		Notes/ Special Requirements:	
COMPANY		DATE		TIME		Notes/ Special Requirements:	
CRA		04/19/12		16:00		Notes/ Special Requirements:	
RELINQUISHED BY		DATE		TIME		Notes/ Special Requirements:	
Scott Kipper		04/19/12		16:00		Notes/ Special Requirements:	
COMPANY		DATE		TIME		Notes/ Special Requirements:	
CRA		04/19/12		16:00		Notes/ Special Requirements:	
RELINQUISHED BY		DATE		TIME		Notes/ Special Requirements:	
Scott Kipper		04/19/12		16:00		Notes/ Special Requirements:	
COMPANY		DATE		TIME		Notes/ Special Requirements:	
CRA		04/19/12		16:00		Notes/ Special Requirements:	
RELINQUISHED BY		DATE		TIME		Notes/ Special Requirements:	
Scott Kipper		04/19/12		16:00		Notes/ Special Requirements:	
COMPANY		DATE		TIME		Notes/ Special Requirements:	
CRA		04/19/12		16:00		Notes/ Special Requirements:	
RELINQUISHED BY		DATE		TIME		Notes/ Special Requirements:	
Scott Kipper		04/19/12		16:00		Notes/ Special Requirements:	
COMPANY		DATE		TIME		Notes/ Special Requirements:	
CRA		04/19/12		16:00		Notes/ Special Requirements:	
RELINQUISHED BY		DATE		TIME		Notes/ Special Requirements:	
Scott Kipper		04/19/12		16:00		Notes/ Special Requirements:	
COMPANY		DATE		TIME		Notes/ Special Requirements:	
CRA		04/19/12		16:00		Notes/ Special Requirements:	
RELINQUISHED BY		DATE		TIME		Notes/ Special Requirements:	
Scott Kipper		04/19/12		16:00		Notes/ Special Requirements:	
COMPANY		DATE		TIME		Notes/ Special Requirements:	
CRA		04/19/12		16:00		Notes/ Special Requirements:	
RELINQUISHED BY		DATE		TIME		Notes/ Special Requirements:	
Scott Kipper		04/19/12		16:00		Notes/ Special Requirements:	
COMPANY		DATE		TIME		Notes/ Special Requirements:	
CRA		04/19/12		16:00		Notes/ Special Requirements:	
RELINQUISHED BY		DATE		TIME		Notes/ Special Requirements:	

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT - ALL FIELDS MUST BE COMPLETED ACCURATELY

WHITE – Fully Executed Copy (CRA)

YELLOW – Receiving Laboratory Copy

PINK – Shipper

GOLDENROD – Sampling Crew

CRA Form: COC-10A (20110804)

- 1
- 2
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- 15

TestAmerica North Canton Sample Receipt Form/Narrative

Login # : 10386

Client CRA Site Name _____ By: [Signature]Cooler Received on 4-20-12 Opened on 4-20-12 (Signature)FedEx: 1st Grd Exp UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____TestAmerica Cooler # Not Foam Box Client Cooler Box Other _____Packing material used: Bubble Wrap Foam Plastic Bag None Other _____COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# 1 (CF -2°C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C

IR GUN# 4G (CF -1°C) Observed Sample Temp. 3.9 °C Corrected Sample Temp. 2.9 °C

IR GUN# 5G (CF -1°C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C

IR GUN# 6Y (CF -2°C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C

☐ Multiple
on Back2. Were custody seals on the outside of the cooler(s)? If Yes Quantity _____ Yes No-Were custody seals on the outside of the cooler(s) signed & dated? Yes No NA-Were custody seals on the bottle(s)? Yes No3. Shippers' packing slip attached to the cooler(s)? Yes No4. Did custody papers accompany the sample(s)? Yes No5. Were the custody papers relinquished & signed in the appropriate place? Yes No6. Did all bottles arrive in good condition (Unbroken)? Yes No7. Could all bottle labels be reconciled with the COC? Yes No8. Were correct bottle(s) used for the test(s) indicated? Yes No9. Sufficient quantity received to perform indicated analyses? Yes No10. Were sample(s) at the correct pH upon receipt? Yes No NA11. Were VOAs on the COC? Yes No12. Were air bubbles >6 mm in any VOA vials? Yes No NA13. Was a trip blank present in the cooler(s)? Yes No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other _____

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

[illegible][illegible]

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 240-10386-1

Login Number: 10386

List Source: TestAmerica Canton

List Number: 1

Creator: Sutek, Nick

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

Job Number: 240-10641-1

Job Description: 12607-TO1-005, RACER Livonia/Eckles Rd

For:

Conestoga-Rovers & Associates, Inc.
14496 Sheldon Road, Suite 200
Plymouth, MI 48170
Attention: Mr. Paul Wiseman



Approved for release.
Nathan A. Pietras
Project Manager II
5/4/2012 2:38 PM

Designee for
Denise D Heckler
Project Manager II
denise.heckler@testamericainc.com
05/04/2012

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of TestAmerica and its client. All questions regarding this report should be directed to the TestAmerica Project Manager who has signed this report.

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CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 12607-TO1-005, RACER Livonia/Eckles Rd

Report Number: 240-10641-1

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

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

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

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

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

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

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

RECEIPT

The samples were received on 04/26/2012; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 2.3 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample TB-012607-042512-SK (240-10641-2) was analyzed for volatile organic compounds (GC-MS) in accordance with EPA Method 624. The samples were analyzed on 05/03/2012.

No other difficulties were encountered during the VOCs analysis.

All other quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples GW-12607-042512-SK-061 (240-10641-1) and TB-012607-042512-SK (240-10641-2) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 05/03/2012.

Method(s) 8260B: No MS/MSD for batch 42620 due to instrument failure.

No other difficulties were encountered during the VOCs analyses.

All quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 240-10641-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-10641-1	GW-12607-042512-SK-061	Water	04/25/2012 1055	04/26/2012 0915
240-10641-2	TB-012607-042512-SK	Water	04/25/2012 0000	04/26/2012 0915

EXECUTIVE SUMMARY - Detections

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 240-10641-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-10641-1 1,1,1-Trichloroethane	GW-12607-042512-SK-061	7.1		1.0	ug/L	8260B
240-10641-2 Methylene Chloride	TB-012607-042512-SK	0.51	J	1.0	ug/L	624

METHOD SUMMARY

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 240-10641-1

Description		Lab Location	Method	Preparation Method
Matrix	Water			
Volatile Organic Compounds (GC/MS)		TAL NC	40CFR136A 624	
Volatile Organic Compounds (GC/MS)		TAL NC	SW846 8260B	
Purge and Trap		TAL NC		SW846 5030B

Lab References:

TAL NC = TestAmerica Canton

Method References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

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

METHOD / ANALYST SUMMARY

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 240-10641-1

Method	Analyst	Analyst ID
40CFR136A 624	Lavey, Tim	TL
SW846 8260B	Evans, Laura	LE

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 240-10641-1

Client Sample ID: TB-012607-042512-SK

Lab Sample ID: 240-10641-2

Date Sampled: 04/25/2012 0000

Client Matrix: Water

Date Received: 04/26/2012 0915

624 Volatile Organic Compounds (GC/MS)

Analysis Method:	624	Analysis Batch:	240-42571	Instrument ID:	A3UX9
	N/A	Prep Batch:	N/A	Lab File ID:	UX931647.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/03/2012 0033			Final Weight/Volume:	5 mL
Prep Date:	N/A				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.22	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.18	1.0
1,1,2-Trichloroethane	1.0	U	0.27	1.0
Xylenes, Total	1.0	U	0.28	1.0
1,1-Dichloroethane	1.0	U	0.15	1.0
1,1-Dichloroethene	1.0	U	0.19	1.0
1,2-Dichloroethane	1.0	U	0.22	1.0
1,2-Dichloropropane	1.0	U	0.18	1.0
Acrolein	10	U	2.2	10
Acrylonitrile	10	U	2.0	10
Benzene	1.0	U	0.13	1.0
Bromoform	1.0	U	0.64	1.0
Bromomethane	1.0	U	0.41	1.0
Carbon tetrachloride	1.0	U	0.13	1.0
Chlorobenzene	1.0	U	0.17	1.0
Chlorodibromomethane	1.0	U	0.18	1.0
Chloroethane	1.0	U	0.29	1.0
Chloroform	1.0	U	0.16	1.0
Chloromethane	1.0	U	0.30	1.0
2-Chloroethyl vinyl ether	2.0	U	0.99	2.0
cis-1,3-Dichloropropene	1.0	U	0.14	1.0
Dichlorobromomethane	1.0	U	0.15	1.0
Ethylbenzene	1.0	U	0.17	1.0
1,2-Dichlorobenzene	1.0	U	0.13	1.0
Tetrachloroethene	1.0	U	0.29	1.0
1,3-Dichlorobenzene	1.0	U	0.14	1.0
Toluene	1.0	U	0.13	1.0
1,4-Dichlorobenzene	1.0	U	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.19	1.0
Trichloroethene	1.0	U	0.17	1.0
Vinyl chloride	1.0	U	0.22	1.0
Methylene Chloride	0.51	J	0.33	1.0
trans-1,2-Dichloroethene	1.0	U	0.19	1.0
1,3-Dichloropropene, Total	1.0	U	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	86		81 - 112
1,2-Dichloroethane-d4 (Surr)	86		80 - 125
Toluene-d8 (Surr)	93		84 - 110

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 240-10641-1

Client Sample ID: GW-12607-042512-SK-061

Lab Sample ID: 240-10641-1

Date Sampled: 04/25/2012 1055

Client Matrix: Water

Date Received: 04/26/2012 0915

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-42620	Instrument ID:	A3UX15
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXC3257.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/03/2012 1443			Final Weight/Volume:	5 mL
Prep Date:	05/03/2012 1443				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	7.1		0.22	1.0
cis-1,2-Dichloroethene	1.0	U	0.17	1.0
Tetrachloroethene	1.0	U	0.29	1.0
trans-1,2-Dichloroethene	1.0	U	0.19	1.0
Trichloroethene	1.0	U	0.17	1.0
Vinyl chloride	1.0	U	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		63 - 129
4-Bromofluorobenzene (Surr)	98		66 - 117
Toluene-d8 (Surr)	95		74 - 115
Dibromofluoromethane (Surr)	91		75 - 121

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 240-10641-1

Client Sample ID: TB-012607-042512-SK

Lab Sample ID: 240-10641-2

Date Sampled: 04/25/2012 0000

Client Matrix: Water

Date Received: 04/26/2012 0915

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-42620	Instrument ID:	A3UX15
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXC3256.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/03/2012 1420			Final Weight/Volume:	5 mL
Prep Date:	05/03/2012 1420				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.22	1.0
cis-1,2-Dichloroethene	1.0	U	0.17	1.0
Tetrachloroethene	1.0	U	0.29	1.0
trans-1,2-Dichloroethene	1.0	U	0.19	1.0
Trichloroethene	1.0	U	0.17	1.0
Vinyl chloride	1.0	U	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104		63 - 129
4-Bromofluorobenzene (Surr)	101		66 - 117
Toluene-d8 (Surr)	95		74 - 115
Dibromofluoromethane (Surr)	92		75 - 121

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 240-10641-1

Surrogate Recovery Report**624 Volatile Organic Compounds (GC/MS)****Client Matrix: Water**

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
240-10641-2	TB-012607-042512-S K	86	93	86
MB 240-42571/4		87	92	86
LCS 240-42571/5		86	94	92
LCSD 240-42571/6		90	93	92

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	80-125
TOL = Toluene-d8 (Surr)	84-110
BFB = 4-Bromofluorobenzene (Surr)	81-112

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 240-10641-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
240-10641-1	GW-12607-042512-S K-061	91	102	95	98
240-10641-2	TB-012607-042512-S K	92	104	95	101
MB 240-42620/5		88	99	96	99
LCS 240-42620/4		97	99	100	105

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	75-121
DCA = 1,2-Dichloroethane-d4 (Surr)	63-129
TOL = Toluene-d8 (Surr)	74-115
BFB = 4-Bromofluorobenzene (Surr)	66-117

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 240-10641-1

Method Blank - Batch: 240-42571

Method: 624

Preparation: N/A

Lab Sample ID: MB 240-42571/4
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 05/02/2012 1921
 Prep Date: N/A
 Leach Date: N/A

Analysis Batch: 240-42571
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: A3UX9
 Lab File ID: UX931634.D
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.22	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.18	1.0
1,1,2-Trichloroethane	1.0	U	0.27	1.0
Xylenes, Total	1.0	U	0.28	1.0
1,1-Dichloroethane	1.0	U	0.15	1.0
1,1-Dichloroethene	1.0	U	0.19	1.0
1,2-Dichloroethane	1.0	U	0.22	1.0
1,2-Dichloropropane	1.0	U	0.18	1.0
Acrolein	10	U	2.2	10
Acrylonitrile	10	U	2.0	10
Benzene	1.0	U	0.13	1.0
Bromoform	1.0	U	0.64	1.0
Bromomethane	1.0	U	0.41	1.0
Carbon tetrachloride	1.0	U	0.13	1.0
Chlorobenzene	1.0	U	0.17	1.0
Chlorodibromomethane	1.0	U	0.18	1.0
Chloroethane	1.0	U	0.29	1.0
Chloroform	1.0	U	0.16	1.0
Chloromethane	1.0	U	0.30	1.0
2-Chloroethyl vinyl ether	2.0	U	0.99	2.0
cis-1,3-Dichloropropene	1.0	U	0.14	1.0
Dichlorobromomethane	1.0	U	0.15	1.0
Ethylbenzene	1.0	U	0.17	1.0
1,2-Dichlorobenzene	1.0	U	0.13	1.0
Tetrachloroethene	1.0	U	0.29	1.0
1,3-Dichlorobenzene	1.0	U	0.14	1.0
Toluene	1.0	U	0.13	1.0
1,4-Dichlorobenzene	1.0	U	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.19	1.0
Trichloroethene	1.0	U	0.17	1.0
Vinyl chloride	1.0	U	0.22	1.0
Methylene Chloride	1.0	U	0.33	1.0
trans-1,2-Dichloroethene	1.0	U	0.19	1.0
1,3-Dichloropropene, Total	1.0	U	0.22	1.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene (Surr)	86	81 - 112
1,2-Dichloroethane-d4 (Surr)	87	80 - 125
Toluene-d8 (Surr)	92	84 - 110

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 240-10641-1

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 240-42571

Method: 624

Preparation: N/A

LCS Lab Sample ID: LCS 240-42571/5
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 05/02/2012 1809
 Prep Date: N/A
 Leach Date: N/A

Analysis Batch: 240-42571
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: A3UX9
 Lab File ID: UX931631.D
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 240-42571/6
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 05/02/2012 1834
 Prep Date: N/A
 Leach Date: N/A

Analysis Batch: 240-42571
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: A3UX9
 Lab File ID: UX931632.D
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
1,1,2-Trichloroethane	107	110	52 - 150	2	30		
1,1-Dichloroethane	101	104	59 - 155	3	30		
1,1-Dichloroethene	98	98	10 - 234	1	30		
1,2-Dichloroethane	97	96	49 - 155	1	30		
1,2-Dichloropropane	101	102	10 - 210	1	30		
Benzene	99	98	37 - 151	1	30		
Bromoform	76	75	45 - 169	1	30		
Bromomethane	83	87	10 - 242	5	30		
Carbon tetrachloride	98	102	70 - 140	4	30		
Chlorobenzene	96	95	37 - 160	1	30		
Chlorodibromomethane	86	87	53 - 149	1	30		
Chloroethane	91	97	14 - 230	6	30		
Chloroform	91	89	51 - 138	2	30		
Chloromethane	88	89	10 - 273	1	30		
2-Chloroethyl vinyl ether	116	116	10 - 305	0	30		
cis-1,3-Dichloropropene	87	89	10 - 227	3	30		
Dichlorobromomethane	91	92	35 - 155	1	30		
Ethylbenzene	95	96	37 - 162	1	30		
1,2-Dichlorobenzene	96	97	18 - 190	1	30		
Tetrachloroethene	92	94	64 - 148	2	30		
1,3-Dichlorobenzene	97	96	59 - 156	1	30		
Toluene	100	101	47 - 150	1	30		
1,4-Dichlorobenzene	93	94	18 - 190	1	30		
trans-1,3-Dichloropropene	93	95	17 - 183	3	30		
Trichloroethene	94	94	71 - 157	0	30		
Vinyl chloride	88	91	10 - 251	3	30		
Methylene Chloride	94	96	10 - 221	2	30		
trans-1,2-Dichloroethene	96	94	54 - 156	2	30		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene (Surr)	92		92		81 - 112		
1,2-Dichloroethane-d4 (Surr)	86		90		80 - 125		
Toluene-d8 (Surr)	94		93		84 - 110		

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 240-10641-1

Laboratory Control/ Laboratory Duplicate Data Report - Batch: 240-42571

Method: 624
Preparation: N/A

LCS Lab Sample ID: LCS 240-42571/5 Units: ug/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 05/02/2012 1809
Prep Date: N/A
Leach Date: N/A

LCSD Lab Sample ID: LCSD 240-42571/6
Client Matrix: Water
Dilution: 1.0
Analysis Date: 05/02/2012 1834
Prep Date: N/A
Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
1,1,2-Trichloroethane	20.0	20.0	21.4	21.9
1,1-Dichloroethane	20.0	20.0	20.1	20.7
1,1-Dichloroethene	20.0	20.0	19.6	19.5
1,2-Dichloroethane	20.0	20.0	19.3	19.2
1,2-Dichloropropane	20.0	20.0	20.1	20.4
Benzene	20.0	20.0	19.7	19.6
Bromoform	20.0	20.0	15.2	15.0
Bromomethane	20.0	20.0	16.5	17.4
Carbon tetrachloride	20.0	20.0	19.6	20.4
Chlorobenzene	20.0	20.0	19.1	19.0
Chlorodibromomethane	20.0	20.0	17.2	17.4
Chloroethane	20.0	20.0	18.2	19.3
Chloroform	20.0	20.0	18.1	17.8
Chloromethane	20.0	20.0	17.6	17.8
2-Chloroethyl vinyl ether	20.0	20.0	23.2	23.2
cis-1,3-Dichloropropene	20.0	20.0	17.3	17.8
Dichlorobromomethane	20.0	20.0	18.2	18.4
Ethylbenzene	20.0	20.0	19.0	19.2
1,2-Dichlorobenzene	20.0	20.0	19.1	19.3
Tetrachloroethene	20.0	20.0	18.4	18.7
1,3-Dichlorobenzene	20.0	20.0	19.3	19.2
Toluene	20.0	20.0	19.9	20.1
1,4-Dichlorobenzene	20.0	20.0	18.6	18.8
trans-1,3-Dichloropropene	20.0	20.0	18.5	19.0
Trichloroethene	20.0	20.0	18.8	18.8
Vinyl chloride	20.0	20.0	17.5	18.1
Methylene Chloride	20.0	20.0	18.7	19.1
trans-1,2-Dichloroethene	20.0	20.0	19.2	18.8

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 240-10641-1

Method Blank - Batch: 240-42620

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 240-42620/5	Analysis Batch:	240-42620	Instrument ID:	A3UX15
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXC3254.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/03/2012 1334	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	05/03/2012 1334				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.22	1.0
cis-1,2-Dichloroethene	1.0	U	0.17	1.0
Tetrachloroethene	1.0	U	0.29	1.0
trans-1,2-Dichloroethene	1.0	U	0.19	1.0
Trichloroethene	1.0	U	0.17	1.0
Vinyl chloride	1.0	U	0.22	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99	63 - 129
4-Bromofluorobenzene (Surr)	99	66 - 117
Toluene-d8 (Surr)	96	74 - 115
Dibromofluoromethane (Surr)	88	75 - 121

Lab Control Sample - Batch: 240-42620

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 240-42620/4	Analysis Batch:	240-42620	Instrument ID:	A3UX15
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXC3251.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/03/2012 1225	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	05/03/2012 1225				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	10.0	9.45	95	74 - 118	
cis-1,2-Dichloroethene	10.0	9.56	96	80 - 113	
Tetrachloroethene	10.0	9.60	96	79 - 114	
trans-1,2-Dichloroethene	10.0	9.20	92	83 - 117	
Trichloroethene	10.0	10.0	100	76 - 117	
Vinyl chloride	10.0	8.55	86	53 - 127	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99	63 - 129
4-Bromofluorobenzene (Surr)	105	66 - 117
Toluene-d8 (Surr)	100	74 - 115
Dibromofluoromethane (Surr)	97	75 - 121

DATA REPORTING QUALIFIERS

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 240-10641-1

Lab Section	Qualifier	Description
GC/MS VOA	U	Indicates the analyte was analyzed for but not detected.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 240-10641-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:240-42571					
LCS 240-42571/5	Lab Control Sample	T	Water	624	
LCSD 240-42571/6	Lab Control Sample Duplicate	T	Water	624	
MB 240-42571/4	Method Blank	T	Water	624	
240-10641-2	TB-012607-042512-SK	T	Water	624	
Analysis Batch:240-42620					
LCS 240-42620/4	Lab Control Sample	T	Water	8260B	
MB 240-42620/5	Method Blank	T	Water	8260B	
240-10641-1	GW-12607-042512-SK-061	T	Water	8260B	
240-10641-2	TB-012607-042512-SK	T	Water	8260B	

Report Basis

T = Total

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 240-10641-1

Laboratory Chronicle

Lab ID: 240-10641-1

Client ID: GW-12607-042512-SK-061

Sample Date/Time: 04/25/2012 10:55

Received Date/Time: 04/26/2012 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	240-10641-B-1		240-42620		05/03/2012 14:43	1	TAL NC	LE
A:8260B	240-10641-B-1		240-42620		05/03/2012 14:43	1	TAL NC	LE

Lab ID: 240-10641-2

Client ID: TB-012607-042512-SK

Sample Date/Time: 04/25/2012 00:00

Received Date/Time: 04/26/2012 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:624	240-10641-A-2		240-42571		05/03/2012 00:33	1	TAL NC	TL
P:5030B	240-10641-B-2		240-42620		05/03/2012 14:20	1	TAL NC	LE
A:8260B	240-10641-B-2		240-42620		05/03/2012 14:20	1	TAL NC	LE

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:624	MB 240-42571/4		240-42571		05/02/2012 19:21	1	TAL NC	TL
P:5030B	MB 240-42620/5		240-42620		05/03/2012 13:34	1	TAL NC	LE
A:8260B	MB 240-42620/5		240-42620		05/03/2012 13:34	1	TAL NC	LE

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:624	LCS 240-42571/5		240-42571		05/02/2012 18:09	1	TAL NC	TL
P:5030B	LCS 240-42620/4		240-42620		05/03/2012 12:25	1	TAL NC	LE
A:8260B	LCS 240-42620/4		240-42620		05/03/2012 12:25	1	TAL NC	LE

Lab ID: LCSD

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:624	LCSD 240-42571/6		240-42571		05/02/2012 18:34	1	TAL NC	TL

Lab References:

TAL NC = TestAmerica Canton

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica CantonJob No.: 240-10641-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
vm100is_stk_00004	03/08/12	09/08/11	MEOH, Lot 51145	50 mL	VMSTM520_00012	2 mL	1,4-Dichlorobenzene-d4	100 ug/mL
							Chlorobenzene-d5	100 ug/mL
							Fluorobenzene	100 ug/mL
.VMSTM520_00012	07/31/13	Ultra Scientific, Lot CG-2361			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
							Fluorobenzene	2500 ug/mL
vm100ss_stk_00007	10/05/12	04/05/12	MEOH, Lot 51304	50 mL	VMstm530_00012	2 mL	1,2-Dichloroethane-d4 (Surr)	100 ug/mL
							4-Bromofluorobenzene (Surr)	100 ug/mL
							Toluene-d8 (Surr)	100 ug/mL
.VMstm530_00012	12/31/13	Ultra Scientific, Lot CG-3959			(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
VM50IS_00014	07/24/12	01/24/12	MEOH, Lot 51182	50 mL	VMSTM520_00015	1 mL	1,4-Dichlorobenzene-d4	50 ug/mL
							Chlorobenzene-d5	50 ug/mL
							Fluorobenzene	50 ug/mL
.VMSTM520_00015	07/31/13	Ultra Scientific, Lot CG-2361			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
							Fluorobenzene	2500 ug/mL
vm50ss_00036	11/02/11	10/26/11	MEOH, Lot na	1 mL	vm50ss_stk_00020	1 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
.vm50ss_stk_00020	04/26/12	10/26/11	MEOH, Lot 51145	50 mL	VMstm530_00009	1 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
..VMstm530_00009	12/31/13	Ultra Scientific, Lot CG-3959			(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
vm50ss_stk_00027	09/01/12	03/01/12	MEOH, Lot 51182	50 mL	VMstm530_00011	1 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
.VMstm530_00011	12/31/13	Ultra Scientific, Lot CG-3959			(Purchased Reagent)		Toluene-d8 (Surr)	50 ug/mL
							1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
VMCGAS_00046	11/03/11	10/27/11	MEOH, Lot 51145	10 mL	VMDWM544_00008	250 uL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
.VMDWM544_00008	03/31/14	ULTRA, Lot CH-0588			(Purchased Reagent)		Dichlorodifluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.VMDWM544_00008	03/31/14	ULTRA, Lot CH-0588			(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
VMCGAS_00070	05/06/12	04/29/12	MEOH, Lot 51304	10 mL	VMDWM544_00010	250 uL	Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica CantonJob No.: 240-10641-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.VMDWM544_00010	12/31/14		ULTRA, Lot CH-3645		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
VMFASWS_00079	04/30/12	04/23/12	MEOH, Lot 51304	3 mL	VMFAS_00025	3 mL	Vinyl chloride	25 ug/mL
							1,1,1-Trichloroethane	25 ug/mL
							cis-1,2-Dichloroethene	25 ug/mL
							Tetrachloroethene	25 ug/mL
							trans-1,2-Dichloroethene	25 ug/mL
							Trichloroethene	25 ug/mL
.VMFAS_00025	04/30/12	03/31/12	MEOH, Lot 51304	100 mL	VM48799U_00008	1.25 mL	Vinyl chloride	25 ug/mL
					VM556005_00011	1 mL	1,1,1-Trichloroethane	25 ug/mL
							cis-1,2-Dichloroethene	25 ug/mL
							Tetrachloroethene	25 ug/mL
							trans-1,2-Dichloroethene	25 ug/mL
							Trichloroethene	25 ug/mL
..VM48799U_00008	09/30/12		Supelco, Lot LB84822		(Purchased Reagent)		Vinyl chloride	2000 ug/mL
..VM556005_00011	05/31/13		Restek, Lot A085142		(Purchased Reagent)		1,1,1-Trichloroethane	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							Trichloroethene	2500 ug/mL
VMFASWS_00080	05/03/12	04/26/12	MEOH, Lot 115869	3 mL	VMFAS_00026	3 mL	Bromomethane	25 ug/mL
							Chloroethane	25 ug/mL
							Chloromethane	25 ug/mL
							Vinyl chloride	25 ug/mL
							1,1,1-Trichloroethane	25 ug/mL
							1,1,2,2-Tetrachloroethane	25 ug/mL
							1,1,2-Trichloroethane	25 ug/mL
							1,1-Dichloroethane	25 ug/mL
							1,1-Dichloroethene	25 ug/mL
							1,2-Dichlorobenzene	25 ug/mL
							1,2-Dichloroethane	25 ug/mL
							1,2-Dichloropropane	25 ug/mL
							1,3-Dichlorobenzene	25 ug/mL
							1,4-Dichlorobenzene	25 ug/mL
							Benzene	25 ug/mL
							Bromoform	25 ug/mL
							Carbon tetrachloride	25 ug/mL
							Chlorobenzene	25 ug/mL
							Chlorodibromomethane	25 ug/mL
							Chloroform	25 ug/mL
							cis-1,2-Dichloroethene	25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-10641-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration							
					Reagent ID	Volume Added									
							cis-1,3-Dichloropropene	25 ug/mL							
							Dichlorobromomethane	25 ug/mL							
							Ethylbenzene	25 ug/mL							
							Methylene Chloride	25 ug/mL							
							Tetrachloroethene	25 ug/mL							
							Toluene	25 ug/mL							
							trans-1,2-Dichloroethene	25 ug/mL							
							trans-1,3-Dichloropropene	25 ug/mL							
							Trichloroethene	25 ug/mL							
							Xylenes, Total	75 ug/mL							
							2-Chloroethyl vinyl ether	25 ug/mL							
							Acrolein	75 ug/mL							
							Acrylonitrile	75 ug/mL							
							.VMFAS_00026	05/26/12	04/26/12	MEOH, Lot 115869	100 mL	VM48799U_00007	1.25 mL	Bromomethane	25 ug/mL
Chloroethane	25 ug/mL														
Chloromethane	25 ug/mL														
Vinyl chloride	25 ug/mL														
VM556005_00011	1 mL	1,1,1-Trichloroethane	25 ug/mL												
		1,1,2,2-Tetrachloroethane	25 ug/mL												
		1,1,2-Trichloroethane	25 ug/mL												
		1,1-Dichloroethane	25 ug/mL												
		1,1-Dichloroethene	25 ug/mL												
		1,2-Dichlorobenzene	25 ug/mL												
		1,2-Dichloroethane	25 ug/mL												
		1,2-Dichloropropane	25 ug/mL												
		1,3-Dichlorobenzene	25 ug/mL												
		1,4-Dichlorobenzene	25 ug/mL												
		Benzene	25 ug/mL												
		Bromoform	25 ug/mL												
		Carbon tetrachloride	25 ug/mL												
		Chlorobenzene	25 ug/mL												
		Chlorodibromomethane	25 ug/mL												
		Chloroform	25 ug/mL												
		cis-1,2-Dichloroethene	25 ug/mL												
		cis-1,3-Dichloropropene	25 ug/mL												
		Dichlorobromomethane	25 ug/mL												
		Ethylbenzene	25 ug/mL												
		Methylene Chloride	25 ug/mL												
		Tetrachloroethene	25 ug/mL												
		Toluene	25 ug/mL												
		trans-1,2-Dichloroethene	25 ug/mL												
		trans-1,3-Dichloropropene	25 ug/mL												
		Trichloroethene	25 ug/mL												
		Xylenes, Total	75 ug/mL												
		VM556006_00006	1 mL	2-Chloroethyl vinyl ether	25 ug/mL										
		VM563785_00018	1 mL	Acrolein	75 ug/mL										
		..VM48799U_00007	06/30/12		Supelco, Lot LB82934							(Purchased Reagent)		Acrylonitrile	75 ug/mL
														Bromomethane	2000 ug/mL
														Chloroethane	2000 ug/mL
						Chloromethane						2000 ug/mL			

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REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-10641-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..VM556005_00011	05/31/13		Restek, Lot A085142		(Purchased Reagent)		Vinyl chloride	2000 ug/mL
							1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							Benzene	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chlorodibromomethane	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Dichlorobromomethane	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Toluene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							Trichloroethene	2500 ug/mL
							Xylenes, Total	7500 ug/mL
..VM556006_00006	08/31/12		Restek, Lot A080010		(Purchased Reagent)		2-Chloroethyl vinyl ether	2500 ug/mL
..VM563785_00018	06/30/12		Restek, Lot A087608		(Purchased Reagent)		Acrolein	7500 ug/mL
							Acrylonitrile	7500 ug/mL
VMPRIMARY_00058	11/07/11	10/31/11	MEOH, Lot na	1 mL	VMCUS7814_00014	1 mL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluor oethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica CantonJob No.: 240-10641-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							2-Methyl-2-propanol	1000 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chlorobromomethane	50 ug/mL
							Chlorodibromomethane	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromomethane	50 ug/mL
							Dichlorobromomethane	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Ethylene Dibromide	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Iodomethane	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	100 ug/mL
							Methyl acetate	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
.VMCUS7814_00014	08/31/13	Ultra Scientific, Lot CH-2400			(Purchased Reagent)		1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL

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REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica CantonJob No.: 240-10641-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropene	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropene	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropene	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropene	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							2,2-Dichloropropene	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							2-Methyl-2-propanol	1000 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chlorobromomethane	50 ug/mL
							Chlorodibromomethane	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromomethane	50 ug/mL
							Dichlorobromomethane	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Ethylene Dibromide	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Iodomethane	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	100 ug/mL
							Methyl acetate	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica CantonJob No.: 240-10641-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
VMPRIMARY_00102	05/03/12	04/26/12	MEOH, Lot na	1 mL	VMCUS7814_00017	1 mL	1,1,1-Trichloroethane	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							Trichloroethene	50 ug/mL
.VMCUS7814_00017	02/28/14		Ultra Scientific, Lot CJ-0210		(Purchased Reagent)		1,1,1-Trichloroethane	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							Trichloroethene	50 ug/mL
VMPRIMARY_00103	05/06/12	04/29/12	MEOH, Lot na	1 mL	VMCUS7814_00017	1 mL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	2500 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							2-Methyl-2-propanol	1000 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromoform	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-10641-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chlorobromomethane	50 ug/mL
							Chlorodibromomethane	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromomethane	50 ug/mL
							Dichlorobromomethane	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Ethylene Dibromide	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	100 ug/mL
							Methyl acetate	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	150 ug/mL
.VMCUS7814_00017	02/28/14	Ultra Scientific, Lot CJ-0210			(Purchased Reagent)		1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluor oethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-10641-1

SDG No.: _____

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton

Job No.: 240-10641-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetrahydrofuran	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	150 ug/mL
VMSUPPW_00038	11/04/11	10/28/11	MEOH, Lot na	1 mL	VMSUPP_00013	1 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
							Methyl acetate	50 ug/mL
							Vinyl acetate	50 ug/mL
							Acrolein	500 ug/mL
							Acrylonitrile	100 ug/mL
							2-Chloroethyl vinyl ether	100 ug/mL
.VMSUPP_00013	11/29/11	10/28/11	MEOH, Lot 51182	50 mL	VM30006_00004	1 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
					VMCU5013_00005	1 mL	Methyl acetate	50 ug/mL
							Vinyl acetate	50 ug/mL
					VMCUS8634_00003	1 mL	Acrolein	500 ug/mL
							Acrylonitrile	100 ug/mL
					VMEPA1016_00003	1 mL	2-Chloroethyl vinyl ether	100 ug/mL
..VM30006_00004	11/30/13		Restek, Lot A076449		(Purchased Reagent)		2-Butanone (MEK)	5000 ug/mL
							2-Hexanone	5000 ug/mL
							4-Methyl-2-pentanone (MIBK)	5000 ug/mL
							Acetone	5000 ug/mL
..VMCU5013_00005	02/29/12		Ultra, Lot CH-3296		(Purchased Reagent)		Methyl acetate	2500 ug/mL
							Vinyl acetate	2500 ug/mL
..VMCUS8634_00003	11/30/11		Ultra, Lot CH-2222		(Purchased Reagent)		Acrolein	25000 ug/mL
							Acrylonitrile	5000 ug/mL
..VMEPA1016_00003	04/30/13		Ultra, Lot CG-0850		(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
VMSUPPW_00069	05/03/12	04/26/12	MEOH, Lot na	1 mL	VMSUPP_00015	1 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
							Vinyl acetate	50 ug/mL
							Acetonitrile	500 ug/mL
							Acrolein	500 ug/mL
							Acrylonitrile	100 ug/mL
							2-Chloroethyl vinyl ether	100 ug/mL
.VMSUPP_00015	05/24/12	02/24/12	MEOH, Lot 51304	50 mL	VM30006_00004	1 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
					VMCU5013_00006	1 mL	Vinyl acetate	50 ug/mL
					VMCUS8634_00005	1 mL	Acetonitrile	500 ug/mL
							Acrolein	500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-10641-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					VMEPA1016_00003	1 mL	Acrylonitrile	100 ug/mL
							2-Chloroethyl vinyl ether	100 ug/mL
..VM30006_00004	11/30/13	Restek, Lot A076449			(Purchased Reagent)		2-Butanone (MEK)	5000 ug/mL
							2-Hexanone	5000 ug/mL
							4-Methyl-2-pentanone (MIBK)	5000 ug/mL
							Acetone	5000 ug/mL
..VMCU5013_00006	06/30/12	Ultra, Lot CJ-0462			(Purchased Reagent)		Vinyl acetate	2500 ug/mL
..VMCUS8634_00005	06/30/12	Ultra, Lot CJ-0461			(Purchased Reagent)		Acetonitrile	25000 ug/mL
							Acrolein	25000 ug/mL
							Acrylonitrile	5000 ug/mL
..VMEPA1016_00003	04/30/13	Ultra, Lot CG-0850			(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL

Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12607-TO1-005, RACER Livonia/Eckles Rd

TestAmerica Job ID: 240-10641-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Canton	California	NELAC	9	01144CA
TestAmerica Canton	Connecticut	State Program	1	PH-0590
TestAmerica Canton	Florida	NELAC	4	E87225
TestAmerica Canton	Georgia	State Program	4	N/A
TestAmerica Canton	Illinois	NELAC	5	200004
TestAmerica Canton	Kansas	NELAC	7	E-10336
TestAmerica Canton	Kentucky	State Program	4	58
TestAmerica Canton	L-A-B	DoD ELAP		L2315
TestAmerica Canton	Minnesota	NELAC	5	039-999-348
TestAmerica Canton	Nevada	State Program	9	OH-000482008A
TestAmerica Canton	New Jersey	NELAC	2	OH001
TestAmerica Canton	New York	NELAC	2	10975
TestAmerica Canton	Ohio VAP	State Program	5	CL0024
TestAmerica Canton	Pennsylvania	NELAC	3	68-00340
TestAmerica Canton	USDA	Federal		P330-11-00328
TestAmerica Canton	Virginia	NELAC	3	460175
TestAmerica Canton	Washington	State Program	10	C971
TestAmerica Canton	West Virginia DEP	State Program	3	210
TestAmerica Canton	Wisconsin	State Program	5	999518190

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

Method 624

Volatile Organic Compounds (GC/MS)
by Method 624

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-10641-1
SDG No.: _____
Matrix: Water Level: Low
GC Column (1): DB-624 ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
TB-012607-042512-S K	240-10641-2	86	93	86
	MB 240-42571/4	87	92	86
	LCS 240-42571/5	86	94	92
	LCSD 240-42571/6	90	93	92

	<u>QC LIMITS</u>
DCA = 1,2-Dichloroethane-d4 (Surr)	80-125
TOL = Toluene-d8 (Surr)	84-110
BFB = 4-Bromofluorobenzene (Surr)	81-112

Column to be used to flag recovery values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-10641-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: UX931631.D
 Lab ID: LCS 240-42571/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,2-Trichloroethane	20.0	21.4	107	52-150	
1,1-Dichloroethane	20.0	20.1	101	59-155	
1,1-Dichloroethene	20.0	19.6	98	10-234	
1,2-Dichloroethane	20.0	19.3	97	49-155	
1,2-Dichloropropane	20.0	20.1	101	10-210	
Benzene	20.0	19.7	99	37-151	
Bromoform	20.0	15.2	76	45-169	
Bromomethane	20.0	16.5	83	10-242	
Carbon tetrachloride	20.0	19.6	98	70-140	
Chlorobenzene	20.0	19.1	96	37-160	
Chlorodibromomethane	20.0	17.2	86	53-149	
Chloroethane	20.0	18.2	91	14-230	
Chloroform	20.0	18.1	91	51-138	
Chloromethane	20.0	17.6	88	10-273	
2-Chloroethyl vinyl ether	20.0	23.2	116	10-305	
cis-1,3-Dichloropropene	20.0	17.3	87	10-227	
Dichlorobromomethane	20.0	18.2	91	35-155	
Ethylbenzene	20.0	19.0	95	37-162	
1,2-Dichlorobenzene	20.0	19.1	96	18-190	
Tetrachloroethene	20.0	18.4	92	64-148	
1,3-Dichlorobenzene	20.0	19.3	97	59-156	
Toluene	20.0	19.9	100	47-150	
1,4-Dichlorobenzene	20.0	18.6	93	18-190	
trans-1,3-Dichloropropene	20.0	18.5	93	17-183	
Trichloroethene	20.0	18.8	94	71-157	
Vinyl chloride	20.0	17.5	88	10-251	
Methylene Chloride	20.0	18.7	94	10-221	
trans-1,2-Dichloroethene	20.0	19.2	96	54-156	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-10641-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: UX931632.D
 Lab ID: LCSD 240-42571/6 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1,2-Trichloroethane	20.0	21.9	110	2	30	52-150	
1,1-Dichloroethane	20.0	20.7	104	3	30	59-155	
1,1-Dichloroethene	20.0	19.5	98	1	30	10-234	
1,2-Dichloroethane	20.0	19.2	96	1	30	49-155	
1,2-Dichloropropane	20.0	20.4	102	1	30	10-210	
Benzene	20.0	19.6	98	1	30	37-151	
Bromoform	20.0	15.0	75	1	30	45-169	
Bromomethane	20.0	17.4	87	5	30	10-242	
Carbon tetrachloride	20.0	20.4	102	4	30	70-140	
Chlorobenzene	20.0	19.0	95	1	30	37-160	
Chlorodibromomethane	20.0	17.4	87	1	30	53-149	
Chloroethane	20.0	19.3	97	6	30	14-230	
Chloroform	20.0	17.8	89	2	30	51-138	
Chloromethane	20.0	17.8	89	1	30	10-273	
2-Chloroethyl vinyl ether	20.0	23.2	116	0	30	10-305	
cis-1,3-Dichloropropene	20.0	17.8	89	3	30	10-227	
Dichlorobromomethane	20.0	18.4	92	1	30	35-155	
Ethylbenzene	20.0	19.2	96	1	30	37-162	
1,2-Dichlorobenzene	20.0	19.3	97	1	30	18-190	
Tetrachloroethene	20.0	18.7	94	2	30	64-148	
1,3-Dichlorobenzene	20.0	19.2	96	1	30	59-156	
Toluene	20.0	20.1	101	1	30	47-150	
1,4-Dichlorobenzene	20.0	18.8	94	1	30	18-190	
trans-1,3-Dichloropropene	20.0	19.0	95	3	30	17-183	
Trichloroethene	20.0	18.8	94	0	30	71-157	
Vinyl chloride	20.0	18.1	91	3	30	10-251	
Methylene Chloride	20.0	19.1	96	2	30	10-221	
trans-1,2-Dichloroethene	20.0	18.8	94	2	30	54-156	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-10641-1
SDG No.: _____
Lab File ID: UX931634.D Lab Sample ID: MB 240-42571/4
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: A3UX9 Date Analyzed: 05/02/2012 19:21
GC Column: DB-624 ID: 0.18 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-42571/5	UX931631.D	05/02/2012 18:09
	LCSD 240-42571/6	UX931632.D	05/02/2012 18:34
TB-012607-042512-SK	240-10641-2	UX931647.D	05/03/2012 00:33

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

Lab Name: TestAmerica Canton Job No.: 240-10641-1
SDG No.: _____
Lab File ID: BFB1885.D BFB Injection Date: 10/31/2011
Instrument ID: A3UX9 BFB Injection Time: 17:28
Analysis Batch No.: 21324

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	16.8
75	30.0 - 60.0 % of mass 95	49.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.6
173	Less than 2.0 % of mass 174	0.2 (0.3) 1
174	50.0 - 120.00 % of mass 95	91.5
175	5.0 - 9.0 % of mass 174	6.9 (7.5) 1
176	95.0 - 101.0 % of mass 174	89.5 (97.8) 1
177	5.0 - 9.0 % of mass 176	5.4 (6.0) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD8260 240-21324/3	UX90533.D	10/31/2011	17:54
	STD8260 240-21324/4	UX90534.D	10/31/2011	18:18
	STD8260 240-21324/5	UX90535.D	10/31/2011	18:42
	STD8260 240-21324/6	UX90536.D	10/31/2011	19:06
	STD8260 240-21324/7	UX90537.D	10/31/2011	19:31
	STD8260 240-21324/8	UX90538.D	10/31/2011	19:56

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

Lab Name: TestAmerica Canton Job No.: 240-10641-1
 SDG No.: _____
 Lab File ID: BFB2032.D BFB Injection Date: 05/02/2012
 Instrument ID: A3UX9 BFB Injection Time: 17:20
 Analysis Batch No.: 42571

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	17.4
75	30.0 - 60.0 % of mass 95	48.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.9
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	89.0
175	5.0 - 9.0 % of mass 174	6.7 (7.5) 1
176	95.0 - 101.0 % of mass 174	86.1 (96.8) 1
177	5.0 - 9.0 % of mass 176	5.6 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 240-42571/2	UX931630.D	05/02/2012	17:44
	LCS 240-42571/5	UX931631.D	05/02/2012	18:09
	LCSD 240-42571/6	UX931632.D	05/02/2012	18:34
	CCV 240-42571/3	UX931633.D	05/02/2012	18:58
	MB 240-42571/4	UX931634.D	05/02/2012	19:21
TB-012607-042512-SK	240-10641-2	UX931647.D	05/03/2012	00:33

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

Lab Name: TestAmerica Canton Job No.: 240-10641-1
 SDG No.: _____
 Sample No.: STD8260 240-21324/6 Date Analyzed: 10/31/2011 19:06
 Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18 (mm)
 Lab File ID (Standard): UX90536.D Heated Purge: (Y/N) N
 Calibration ID: 4931

	FB		CBZ		DCB	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	1578693	5.29	1327896	7.96	737837	10.19
UPPER LIMIT	3157386	5.79	2655792	8.46	1475674	10.69
LOWER LIMIT	789347	4.79	663948	7.46	368919	9.69
LAB SAMPLE ID	CLIENT SAMPLE ID					
CCVIS 240-42571/2		1638687	5.30	1257233	7.96	652234 10.18

FB = Fluorobenzene

CBZ = Chlorobenzene-d5

DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Canton Job No.: 240-10641-1
 SDG No.: _____
 Sample No.: CCVIS 240-42571/2 Date Analyzed: 05/02/2012 17:44
 Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18 (mm)
 Lab File ID (Standard): UX931630.D Heated Purge: (Y/N) N
 Calibration ID: 6383

		FB		CBZ		DCB		
		AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD		1638687	5.30	1257233	7.96	652234	10.18	
UPPER LIMIT		3277374	5.80	2514466	8.46	1304468	10.68	
LOWER LIMIT		819344	4.80	628617	7.46	326117	9.68	
LAB SAMPLE ID		CLIENT SAMPLE ID						
LCS 240-42571/5		1624734	5.30	1259959	7.96	667024	10.18	
LCSD 240-42571/6		1604788	5.30	1246002	7.95	665903	10.18	
CCV 240-42571/3		1593140	5.30	1245789	7.96	644517	10.18	
MB 240-42571/4		1568247	5.30	1222433	7.96	611150	10.18	
240-10641-2		TB-012607-042512-SK	1574854	5.30	1216559	7.96	600022	10.18

FB = Fluorobenzene

CBZ = Chlorobenzene-d5

DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-10641-1
 SDG No.: _____
 Client Sample ID: TB-012607-042512-SK Lab Sample ID: 240-10641-2
 Matrix: Water Lab File ID: UX931647.D
 Analysis Method: 624 Date Collected: 04/25/2012 00:00
 Sample wt/vol: 5(mL) Date Analyzed: 05/03/2012 00:33
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 42571 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.22
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.27
1330-20-7	Xylenes, Total	1.0	U	1.0	0.28
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.15
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.19
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.22
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.18
107-02-8	Acrolein	10	U	10	2.2
107-13-1	Acrylonitrile	10	U	10	2.0
71-43-2	Benzene	1.0	U	1.0	0.13
75-25-2	Bromoform	1.0	U	1.0	0.64
74-83-9	Bromomethane	1.0	U	1.0	0.41
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.13
108-90-7	Chlorobenzene	1.0	U	1.0	0.17
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.18
75-00-3	Chloroethane	1.0	U	1.0	0.29
67-66-3	Chloroform	1.0	U	1.0	0.16
74-87-3	Chloromethane	1.0	U	1.0	0.30
110-75-8	2-Chloroethyl vinyl ether	2.0	U	2.0	0.99
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.14
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.15
100-41-4	Ethylbenzene	1.0	U	1.0	0.17
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.13
127-18-4	Tetrachloroethene	1.0	U	1.0	0.29
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.14
108-88-3	Toluene	1.0	U	1.0	0.13
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.13
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.19
79-01-6	Trichloroethene	1.0	U	1.0	0.17
75-01-4	Vinyl chloride	1.0	U	1.0	0.22
75-09-2	Methylene Chloride	0.51	J	1.0	0.33
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.19
542-75-6	1,3-Dichloropropene, Total	1.0	U	1.0	0.22

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-10641-1
SDG No.: _____
Client Sample ID: TB-012607-042512-SK Lab Sample ID: 240-10641-2
Matrix: Water Lab File ID: UX931647.D
Analysis Method: 624 Date Collected: 04/25/2012 00:00
Sample wt/vol: 5(mL) Date Analyzed: 05/03/2012 00:33
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 42571 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	86		81-112
17060-07-0	1,2-Dichloroethane-d4 (Surr)	86		80-125
2037-26-5	Toluene-d8 (Surr)	93		84-110

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX9\20120502-9623.b\UX931647.D
 Lims ID: 240-10641-A-2 Client ID: TB-012607-042512-SK
 Inject. Date: 03-May-2012 00:33:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 240-0009623-019
 Misc. Info.:
 Operator: 1904 Instrument ID: A3UX9
 Vol. Injected: 1.0000 ALS Bottle#: 19
 Lims Batch ID: 42571 Lims Sample ID: 19
 Detector: MS SCAN
 Method: \\Ncchrom\ChromData\A3UX9\20120502-9623.b\8260_9.m
 Last Update: 02-May-2012 22:55:09 Calib Date: 04-Jan-2012 21:08:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A3UX9\20120104-6517.b\UX91746.D
 Limit Group: MSV 624 ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-15

First Level Reviewer: laveyt

Date: 03-May-2012 14:38:57

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.295	5.295	0.0	100	1574854	20.0	
* 2 Chlorobenzene-d5	117	7.957	7.957	0.0	82	1216559	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.182	10.182	0.0	95	600022	20.0	
\$ 5 Dibromofluoromethane (Surr)	113	4.739	4.727	0.012	60	353219	0	
\$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.023	5.022	0.001	89	447295	17.2	
\$ 7 Toluene-d8 (Surr)	98	6.644	6.644	0.0	92	1540707	18.5	
\$ 131 4-Bromofluorobenzene (Surr)	95	9.058	9.057	0.001	93	542071	17.2	
13 Chloromethane	50		1.804					
14 Vinyl chloride	62		1.910					
15 Bromomethane	94		2.206					
16 Chloroethane	64		2.301					
20 Acrolein	56		2.822					
21 1,1-Dichloroethene	61		2.940					
30 Methylene Chloride	49	3.354	3.342	0.012	50	13414	0.5053	
32 Acrylonitrile	53		3.508					
33 trans-1,2-Dichloroethene	61		3.532					
36 1,1-Dichloroethane	63		3.875					
42 cis-1,2-Dichloroethene	61		4.348					
49 Chloroform	83		4.597					
50 1,1,1-Trichloroethane	97		4.762					
53 Carbon tetrachloride	117		4.904					
55 Benzene	78		5.070					
56 1,2-Dichloroethane	62		5.082					
60 Trichloroethene	130		5.602					
62 1,2-Dichloropropane	63		5.792					
67 Dichlorobromomethane	83		6.016					
69 2-Chloroethyl vinyl ether	63		6.265					
70 cis-1,3-Dichloropropene	75		6.407					
72 Toluene	91		6.703					
73 trans-1,3-Dichloropropene	75		6.880					
75 1,1,2-Trichloroethane	97		7.058					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
77 Tetrachloroethene	166		7.200					
79 Chlorodibromomethane	129		7.413					
82 Chlorobenzene	112		7.981					
84 Ethylbenzene	106		8.075					
10 m-Xylene & p-Xylene	106		8.182					
85 o-Xylene	106		8.561					
87 Bromoform	173		8.762					
90 1,1,2,2-Tetrachloroethane	83		9.188					
100 1,3-Dichlorobenzene	146		10.122					
102 1,4-Dichlorobenzene	146		10.205					
106 1,2-Dichlorobenzene	146		10.584					
S 9 1,3-Dichloropropene, Total	75		6.760					
S 114 Xylenes, Total	106		16.530					

Report Date: 03-May-2012 14:38:58

Chrom Revision: 2.0 08-Feb-2012 11:07:54

Data File: \\Ncchrom\ChromData\A3UX9\20120502-9623.b\UX931647.D

Injection Date: 03-May-2012 00:33:30

Limit Group: MSV 624 ICAL

Client ID: TB-012607-042512-SK

Instrument ID: A3UX9

Lims Batch ID: 42571

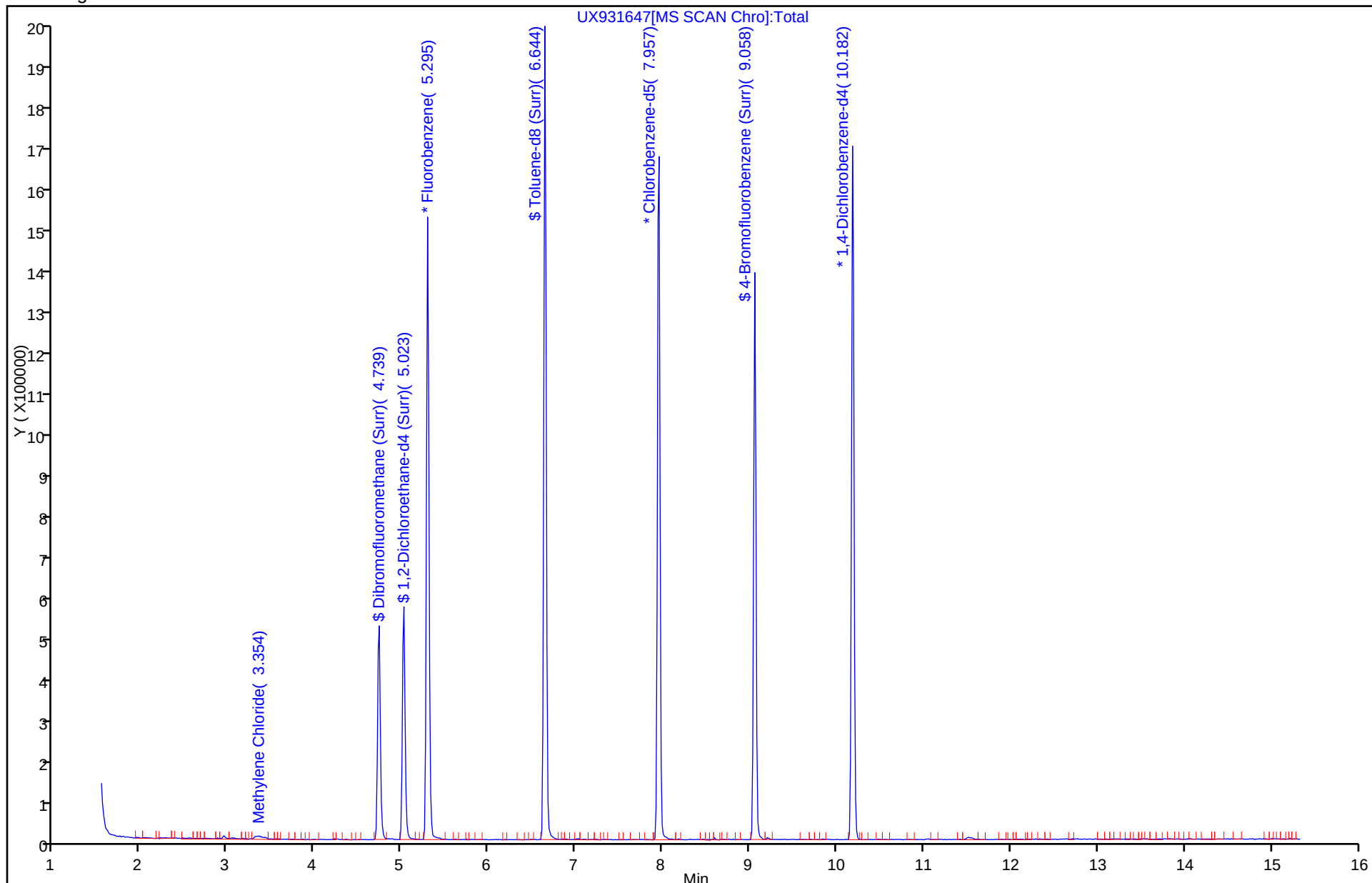
Lims Sample ID: 19

Operator ID: 1904

Column Type: DB-624

Column Dia: 0.18 mm

Y Scaling:



Report Date: 03-May-2012 14:38:58

Chrom Revision: 2.0 08-Feb-2012 11:07:54

Data File:

\\Ncchrom\ChromData\A3UX9\20120502-9623.b\UX931647.D

Injection Date: 03-May-2012 00:33:30

Limit Group: MSV 624 ICAL

Client ID: TB-012607-042512-SK

Instrument ID: A3UX9

Lims Batch ID: 42571

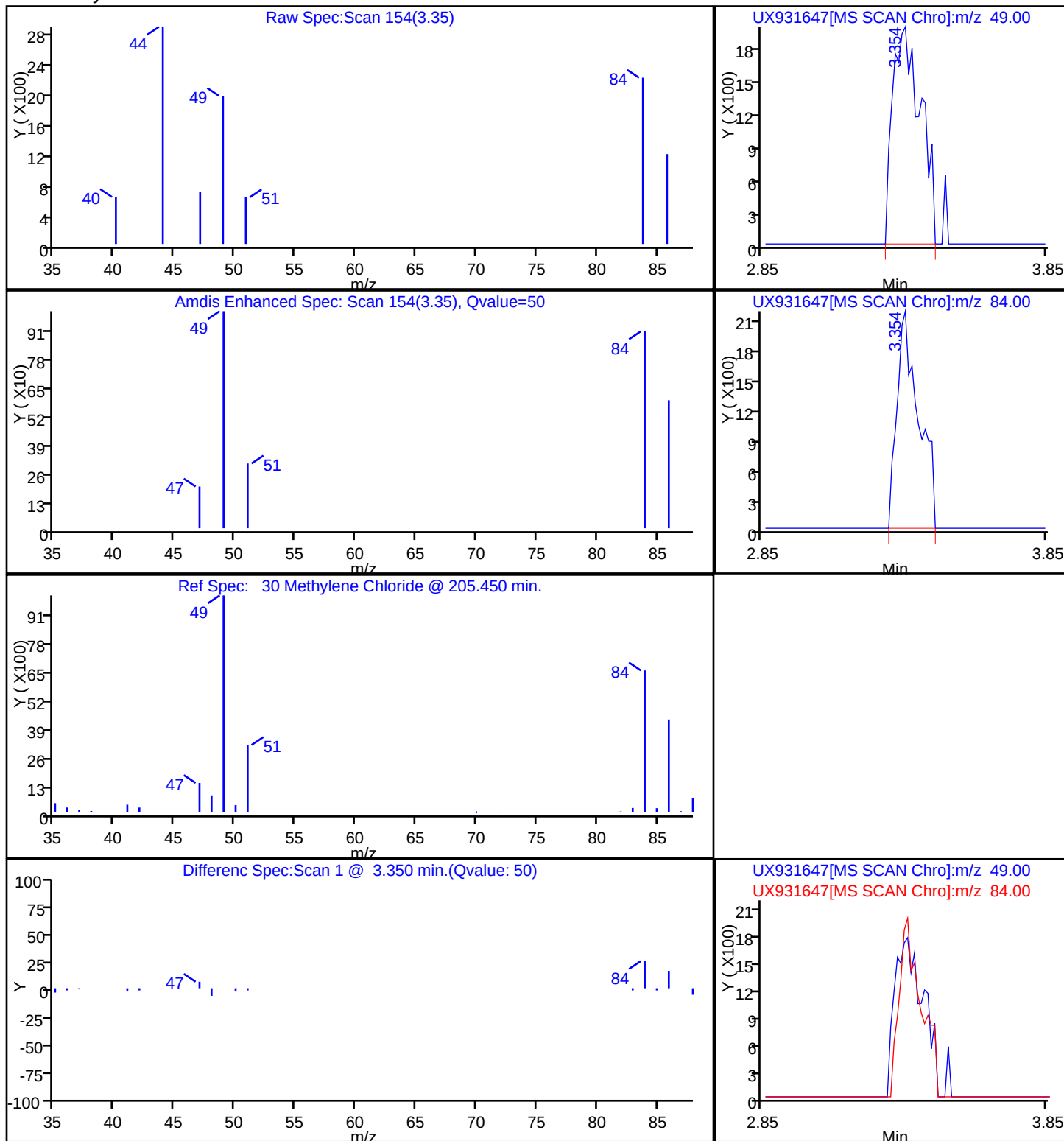
Lims Sample ID: 19

Operator ID: 1904

Column Type: DB-624

Column Dia: 0.18 mm

30 Methylene Chloride



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

Lab Name: TestAmerica Canton Job No.: 240-10641-1 Analy Batch No.: 21324

SDG No.: _____

Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/31/2011 17:54 Calibration End Date: 10/31/2011 19:56 Calibration ID: 4931

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-21324/3	UX90533.D
Level 2	STD8260 240-21324/4	UX90534.D
Level 3	STD8260 240-21324/5	UX90535.D
Level 4	STD8260 240-21324/6	UX90536.D
Level 5	STD8260 240-21324/7	UX90537.D
Level 6	STD8260 240-21324/8	UX90538.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.3390	0.2710	0.3417	0.3101	0.3551	Ave		0.3234				10.0		35.0			
Chloromethane	0.3309 0.2413	0.2541	0.2729	0.2519	0.2603	Ave		0.2686				12.0		35.0			
Vinyl chloride	0.3487 0.3244	0.2738	0.3361	0.3160	0.3338	Ave		0.3221				8.1		35.0			
Bromomethane	0.2527	0.2238	0.2151	0.2078	0.2396	Ave		0.2278				8.0		35.0			
Chloroethane	0.2034 0.2186	0.1949	0.1967	0.1921	0.2080	Ave		0.2023				4.9		35.0			
Trichlorofluoromethane	0.4421 0.5020	0.3818	0.4752	0.4492	0.5060	Ave		0.4594				10.0		35.0			
Acrolein	0.0364 0.0346	0.0378	0.0323	0.0315	0.0348	Ave		0.0346				7.0		35.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2696 0.2998	0.3057	0.2575	0.2851	0.3109	Ave		0.2881				7.4		35.0			
1,1-Dichloroethene	0.3979 0.4703	0.4327	0.4309	0.4463	0.4763	Ave		0.4424				6.5		35.0			
Acetone	0.0611	0.1756	0.0648	0.0591	0.0637	Lin1	0.2185	0.0589							0.9980		0.9900
Iodomethane	0.5315 0.4974	0.5204	0.4748	0.4757	0.5146	Ave		0.5024				4.7		35.0			
Carbon disulfide	0.8416 0.8810	0.7973	0.8113	0.8250	0.8958	Ave		0.8420				4.6		35.0			
Methyl acetate	0.2387 0.1523	0.2112	0.1491	0.1458	0.1518	Ave		0.1748				23.0		35.0			
Methylene Chloride	0.3116	0.4294	0.3208	0.3027	0.3211	Ave		0.3371				15.0		35.0			
2-Methyl-2-propanol	0.0223 0.0201	0.0204	0.0198	0.0205	0.0207	Ave		0.0206				4.3		35.0			

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

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

Lab Name: TestAmerica Canton Job No.: 240-10641-1 Analy Batch No.: 21324

SDG No.: _____

Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/31/2011 17:54 Calibration End Date: 10/31/2011 19:56 Calibration ID: 4931

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Acrylonitrile	0.1040 0.0825	0.0840	0.0773	0.0785	0.0863	Ave		0.0855				11.0		35.0			
Methyl tert-butyl ether	0.8969 0.8168	0.7950	0.7443	0.7529	0.8161	Ave		0.8037				6.9		35.0			
trans-1,2-Dichloroethene	0.3403 0.3336	0.3430	0.3150	0.3132	0.3416	Ave		0.3311				4.1		35.0			
1,1-Dichloroethane	0.4348 0.4017	0.4325	0.3876	0.3724	0.4247	Ave		0.4089				6.3		35.0			
Vinyl acetate	0.0589	0.0668	0.0513	0.0513	0.0588	Ave		0.0574				11.0		35.0			
cis-1,2-Dichloroethene	0.3975 0.3416	0.4035	0.3352	0.3211	0.3433	Ave		0.3570				9.7		35.0			
2,2-Dichloropropane	0.1478 0.1868	0.1914	0.1812	0.1818	0.1955	Ave		0.1807				9.4		35.0			
2-Butanone (MEK)	0.0601 0.0292	0.0557	0.0284	0.0271	0.0301	Lin1	0.0367	0.0287							0.9970		0.9900
Chlorobromomethane	0.2012 0.1778	0.1820	0.1751	0.1701	0.1808	Ave		0.1812				5.9		35.0			
Chloroform	0.4760 0.4722	0.5039	0.4450	0.4408	0.4828	Ave		0.4701				5.1		35.0			
1,1,1-Trichloroethane	0.2653 0.3260	0.3068	0.3000	0.3064	0.3412	Ave		0.3076				8.4		35.0			
Cyclohexane	0.2973 0.3295	0.3255	0.2739	0.3097	0.3406	Ave		0.3128				7.8		35.0			
1,1-Dichloropropene	0.2900 0.3508	0.3131	0.3230	0.3300	0.3585	Ave		0.3276				7.7		35.0			
Carbon tetrachloride	0.2782 0.3033	0.2251	0.2426	0.2597	0.3074	Ave		0.2694				12.0		35.0			
Benzene	1.0923 1.0786	1.0399	0.9973	0.9919	1.0933	Ave		1.0489				4.4		35.0			
1,2-Dichloroethane	0.3333 0.3712	0.3708	0.3544	0.3455	0.3787	Ave		0.3590				4.9		35.0			
Trichloroethene	0.3200 0.3201	0.3116	0.2861	0.2918	0.3281	Ave		0.3096				5.5		35.0			
Methylcyclohexane	0.2138 0.2232	0.2300	0.1825	0.1962	0.2273	Ave		0.2122				9.0		35.0			
1,2-Dichloropropane	0.2498 0.2294	0.2445	0.2178	0.2127	0.2352	Ave		0.2316				6.3		35.0			
Dibromomethane	0.2050 0.2017	0.2069	0.1892	0.1928	0.2042	Ave		0.2000				3.6		35.0			

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

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

Lab Name: TestAmerica Canton Job No.: 240-10641-1 Analy Batch No.: 21324

SDG No.: _____

Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/31/2011 17:54 Calibration End Date: 10/31/2011 19:56 Calibration ID: 4931

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorobromomethane	0.3667 0.3518	0.3341	0.3135	0.3134	0.3590	Ave		0.3397				6.8		35.0			
2-Chloroethyl vinyl ether	0.1440 0.1556	0.1368	0.1379	0.1388	0.1564	Ave		0.1449				6.2		35.0			
cis-1,3-Dichloropropene	0.4189 0.4224	0.3875	0.3706	0.3848	0.4207	Ave		0.4008				5.6		35.0			
4-Methyl-2-pentanone (MIBK)	0.1738 0.1852	0.1915	0.1651	0.1686	0.1854	Ave		0.1783				5.9		35.0			
Toluene	1.4095 1.5939	1.5091	1.4133	1.3801	1.6344	Ave		1.4901				7.1		35.0			
trans-1,3-Dichloropropene	0.4373 0.4977	0.4575	0.4244	0.4187	0.5077	Ave		0.4572				8.3		35.0			
Ethyl methacrylate	0.3084 0.4243	0.3048	0.3435	0.3467	0.4264	Ave		0.3590				15.0		35.0			
1,1,2-Trichloroethane	0.2971 0.3080	0.3160	0.2891	0.2802	0.3187	Ave		0.3015				5.1		35.0			
Tetrachloroethene	0.3898 0.3915	0.3934	0.3602	0.3579	0.4104	Ave		0.3839				5.4		35.0			
1,3-Dichloropropane	0.5924 0.5397	0.5249	0.4934	0.4903	0.5550	Ave		0.5326				7.3		35.0			
2-Hexanone	0.1485 0.1621	0.1403	0.1437	0.1434	0.1610	Ave		0.1498				6.3		35.0			
Chlorodibromomethane	0.3196 0.3611	0.3235	0.2999	0.3051	0.3589	Ave		0.3280				8.0		35.0			
Ethylene Dibromide	0.3286 0.3334	0.3057	0.3097	0.2965	0.3401	Ave		0.3190				5.5		35.0			
Chlorobenzene	1.1239 1.0602	1.0840	0.9894	0.9479	1.1016	Ave		1.0512				6.5		35.0			
1,1,1,2-Tetrachloroethane	0.3646 0.3655	0.3523	0.3189	0.3012	0.3660	Ave		0.3448				8.1		35.0			
Ethylbenzene	0.5177 0.5585	0.5185	0.4880	0.4922	0.5758	Ave		0.5251				6.7		35.0			
m-Xylene & p-Xylene	0.6173 0.7252	0.5777	0.5995	0.6235	0.7323	Ave		0.6459				10.0		35.0			
o-Xylene	0.6556 0.6901	0.6525	0.5960	0.6016	0.7039	Ave		0.6499				6.8		35.0			
Styrene	1.0127 1.2749	0.9778	1.0316	1.0480	1.2606	Ave		1.1009				12.0		35.0			
Bromoform	0.2505	0.2402	0.1990	0.1991	0.2455	Ave		0.2269				11.0		35.0			

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

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

Lab Name: TestAmerica Canton Job No.: 240-10641-1 Analy Batch No.: 21324

SDG No.: _____

Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/31/2011 17:54 Calibration End Date: 10/31/2011 19:56 Calibration ID: 4931

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Isopropylbenzene	1.3564 1.7000	1.4302	1.3843	1.4096	1.7113	Ave		1.4986				11.0		35.0			
1,1,2,2-Tetrachloroethane	0.7245 0.7349	0.7831	0.6781	0.6682	0.7218	Ave		0.7184				5.8		35.0			
Bromobenzene	0.8308 0.8694	0.8715	0.8204	0.7857	0.8579	Ave		0.8393				4.0		35.0			
1,2,3-Trichloropropane	0.3124 0.2758	0.2973	0.2604	0.2622	0.2695	Ave		0.2796				7.5		35.0			
trans-1,4-Dichloro-2-butene	0.2092	0.2294	0.1687	0.1738	0.1950	Ave		0.1952				13.0		35.0			
N-Propylbenzene	0.8440 0.7863	0.7178	0.6672	0.7080	0.7912	Ave		0.7524				8.7		35.0			
2-Chlorotoluene	0.7963 0.7319	0.6561	0.6857	0.6545	0.7378	Ave		0.7104				7.8		35.0			
1,3,5-Trimethylbenzene	2.1800 2.4917	2.0710	2.0946	2.1358	2.3994	Ave		2.2288				7.8		35.0			
4-Chlorotoluene	0.8013 0.8068	0.8052	0.7272	0.7067	0.8006	Ave		0.7747				5.8		35.0			
tert-Butylbenzene	2.0433 2.1733	1.9376	1.8420	1.8666	2.1382	Ave		2.0002				7.0		35.0			
1,2,4-Trimethylbenzene	2.5517 2.6031	2.3472	2.2230	2.2538	2.5289	Ave		2.4179				6.8		35.0			
sec-Butylbenzene	2.2182 2.9174	2.4377	2.4133	2.4683	2.8067	Ave		2.5436				10.0		35.0			
1,3-Dichlorobenzene	1.6128 1.5994	1.5213	1.4402	1.4239	1.5593	Ave		1.5262				5.2		35.0			
4-Isopropyltoluene	2.1072 2.6401	2.0613	2.1269	2.1814	2.5122	Ave		2.2715				11.0		35.0			
1,4-Dichlorobenzene	1.8181 1.6665	1.7273	1.5228	1.4692	1.6446	Ave		1.6414				7.8		35.0			
n-Butylbenzene	1.6760 2.1173	1.6481	1.6886	1.7568	2.0629	Ave		1.8249				11.0		35.0			
1,2-Dichlorobenzene	1.5662 1.5704	1.5759	1.4489	1.4088	1.5415	Ave		1.5186				4.7		35.0			
1,2-Dibromo-3-Chloropropane	0.1819	0.2017	0.1517	0.1601	0.1652	Ave		0.1721				12.0		35.0			
1,2,4-Trichlorobenzene	1.0289 0.9740	1.1397	0.9100	0.8611	0.9225	Ave		0.9727				10.0		35.0			
Hexachlorobutadiene	0.6003 0.4138	0.4429	0.4030	0.3757	0.4046	Ave		0.4401				19.0		35.0			

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

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

Lab Name: TestAmerica Canton Job No.: 240-10641-1 Analy Batch No.: 21324

SDG No.: _____

Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/31/2011 17:54 Calibration End Date: 10/31/2011 19:56 Calibration ID: 4931

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Naphthalene	2.6756 2.7639	2.6504	2.4577	2.4326	2.4612	Ave		2.5736				5.5		35.0			
1,2,3-Trichlorobenzene	1.0287 0.8202	0.9418	0.8493	0.8041	0.7635	Ave		0.8679				11.0		35.0			
1,2-Dichloroethane-d4 (Surr)	0.3235	0.4022	0.3027	0.2976	0.3246	Ave		0.3301				13.0		35.0			
Toluene-d8 (Surr)	1.4118	1.5148	1.2827	1.2098	1.4431	Ave		1.3724				9.0		35.0			
4-Bromofluorobenzene (Surr)	0.5221	0.5936	0.4756	0.4578	0.5478	Ave		0.5194				11.0		35.0			

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

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

Lab Name: TestAmerica Canton Job No.: 240-10641-1 Analy Batch No.: 21324

SDG No.: _____

Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/31/2011 17:54 Calibration End Date: 10/31/2011 19:56 Calibration ID: 4931

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-21324/3	UX90533.D
Level 2	STD8260 240-21324/4	UX90534.D
Level 3	STD8260 240-21324/5	UX90535.D
Level 4	STD8260 240-21324/6	UX90536.D
Level 5	STD8260 240-21324/7	UX90537.D
Level 6	STD8260 240-21324/8	UX90538.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	2284862	21148	268710	489574	1142834	80.0	1.00	10.0	20.0	40.0
Chloromethane	FB	Ave	13108 1626691	19825	214608	397631	837630	0.500 80.0	1.00	10.0	20.0	40.0
Vinyl chloride	FB	Ave	13813 2186605	21363	264349	498891	1074214	0.500 80.0	1.00	10.0	20.0	40.0
Bromomethane	FB	Ave	1703108	17460	169131	328039	771283	80.0	1.00	10.0	20.0	40.0
Chloroethane	FB	Ave	8056 1473828	15206	154668	303326	669495	0.500 80.0	1.00	10.0	20.0	40.0
Trichlorofluoromethane	FB	Ave	17513 3383983	29790	373706	709199	1628554	0.500 80.0	1.00	10.0	20.0	40.0
Acrolein	FB	Ave	14417 2333107	29530	254067	496621	1121056	5.00 800	10.0	100	200	400
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	10681 2020939	23854	202514	450136	1000514	0.500 80.0	1.00	10.0	20.0	40.0
1,1-Dichloroethene	FB	Ave	15760 3170123	33767	338828	704560	1533107	0.500 80.0	1.00	10.0	20.0	40.0
Acetone	FB	Lin1	824313	27405	101971	186648	409818	160	2.00	20.0	40.0	80.0
Iodomethane	FB	Ave	21054 3352989	40606	373385	750993	1656106	0.500 80.0	1.00	10.0	20.0	40.0
Carbon disulfide	FB	Ave	33339 5938606	62217	638031	1302486	2883133	0.500 80.0	1.00	10.0	20.0	40.0
Methyl acetate	FB	Ave	18911 2053711	32966	234553	460251	977144	1.00 160	2.00	20.0	40.0	80.0
Methylene Chloride	FB	Ave	2100184	33503	252318	477948	1033450	80.0	1.00	10.0	20.0	40.0
2-Methyl-2-propanol	FB	Ave	17672 2703781	31887	310996	648498	1335643	10.0 1600	20.0	200	400	800
Acrylonitrile	FB	Ave	8243 1112683	13107	121632	247939	555652	1.00 160	2.00	20.0	40.0	80.0

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

Lab Name: TestAmerica Canton Job No.: 240-10641-1 Analy Batch No.: 21324

SDG No.: _____

Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/31/2011 17:54 Calibration End Date: 10/31/2011 19:56 Calibration ID: 4931

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Methyl tert-butyl ether	FB	Ave	35528 5506019	62032	585295	1188638	2626757	0.500 80.0	1.00	10.0	20.0	40.0
trans-1,2-Dichloroethene	FB	Ave	13481 2248493	26761	247707	494486	1099366	0.500 80.0	1.00	10.0	20.0	40.0
1,1-Dichloroethane	FB	Ave	17222 2707664	33751	304788	587930	1366847	0.500 80.0	1.00	10.0	20.0	40.0
Vinyl acetate	FB	Ave	396828	5216	40345	81046	189339	80.0	1.00	10.0	20.0	40.0
cis-1,2-Dichloroethene	FB	Ave	15746 2302720	31488	263619	506934	1104989	0.500 80.0	1.00	10.0	20.0	40.0
2,2-Dichloropropane	FB	Ave	5854 1259187	14936	142472	286983	629161	0.500 80.0	1.00	10.0	20.0	40.0
2-Butanone (MEK)	FB	Lin1	4758 394201	8699	44598	85697	193841	1.00 160	2.00	20.0	40.0	80.0
Chlorobromomethane	FB	Ave	7970 1198674	14204	137675	268610	582035	0.500 80.0	1.00	10.0	20.0	40.0
Chloroform	FB	Ave	18857 3182966	39319	349938	695869	1553915	0.500 80.0	1.00	10.0	20.0	40.0
1,1,1-Trichloroethane	FB	Ave	10509 2197201	23940	235892	483639	1098039	0.500 80.0	1.00	10.0	20.0	40.0
Cyclohexane	FB	Ave	11777 2221311	25401	215418	488912	1096288	0.500 80.0	1.00	10.0	20.0	40.0
1,1-Dichloropropene	FB	Ave	11489 2364705	24430	254001	521047	1153742	0.500 80.0	1.00	10.0	20.0	40.0
Carbon tetrachloride	FB	Ave	11019 2044517	17568	190787	409982	989360	0.500 80.0	1.00	10.0	20.0	40.0
Benzene	FB	Ave	43269 7270822	81142	784268	1565918	3518818	0.500 80.0	1.00	10.0	20.0	40.0
1,2-Dichloroethane	FB	Ave	13202 2501902	28933	278717	545385	1218834	0.500 80.0	1.00	10.0	20.0	40.0
Trichloroethene	FB	Ave	12677 2158056	24315	224977	460701	1056087	0.500 80.0	1.00	10.0	20.0	40.0
Methylcyclohexane	FB	Ave	8470 1504421	17944	143525	309707	731605	0.500 80.0	1.00	10.0	20.0	40.0
1,2-Dichloropropane	FB	Ave	9897 1546126	19081	171316	335724	756871	0.500 80.0	1.00	10.0	20.0	40.0
Dibromomethane	FB	Ave	8119 1359757	16148	148758	304392	657187	0.500 80.0	1.00	10.0	20.0	40.0
Dichlorobromomethane	FB	Ave	14527 2371514	26068	246506	494766	1155333	0.500 80.0	1.00	10.0	20.0	40.0
2-Chloroethyl vinyl ether	FB	Ave	11407 2097301	21356	216944	438200	1006734	1.00 160	2.00	20.0	40.0	80.0

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

Lab Name: TestAmerica Canton Job No.: 240-10641-1 Analy Batch No.: 21324

SDG No.: _____

Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/31/2011 17:54 Calibration End Date: 10/31/2011 19:56 Calibration ID: 4931

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
cis-1,3-Dichloropropene	FB	Ave	16595 2847183	30235	291425	607441	1354134	0.500 80.0	1.00	10.0	20.0	40.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	13770 2497443	29883	259733	532481	1193135	1.00 160	2.00	20.0	40.0	80.0
Toluene	CBZ	Ave	45277 8753684	94939	899368	1832668	4198743	0.500 80.0	1.00	10.0	20.0	40.0
trans-1,3-Dichloropropene	CBZ	Ave	14047 2733091	28783	270103	555986	1304157	0.500 80.0	1.00	10.0	20.0	40.0
Ethyl methacrylate	CBZ	Ave	9906 2330334	19174	218573	460444	1095379	0.500 80.0	1.00	10.0	20.0	40.0
1,1,2-Trichloroethane	CBZ	Ave	9545 1691602	19879	183954	372083	818668	0.500 80.0	1.00	10.0	20.0	40.0
Tetrachloroethene	CBZ	Ave	12521 2150188	24750	229255	475201	1054188	0.500 80.0	1.00	10.0	20.0	40.0
1,3-Dichloropropane	CBZ	Ave	19028 2963994	33019	314009	651023	1425803	0.500 80.0	1.00	10.0	20.0	40.0
2-Hexanone	CBZ	Ave	9542 1780305	17651	182893	380732	827227	1.00 160	2.00	20.0	40.0	80.0
Chlorodibromomethane	CBZ	Ave	10265 1983303	20349	190828	405139	922086	0.500 80.0	1.00	10.0	20.0	40.0
Ethylene Dibromide	CBZ	Ave	10557 1831195	19234	197067	393762	873776	0.500 80.0	1.00	10.0	20.0	40.0
Chlorobenzene	CBZ	Ave	36103 5822537	68193	629629	1258732	2830017	0.500 80.0	1.00	10.0	20.0	40.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	11711 2007458	22165	202921	399974	940325	0.500 80.0	1.00	10.0	20.0	40.0
Ethylbenzene	CBZ	Ave	16631 3067500	32618	310555	653608	1479277	0.500 80.0	1.00	10.0	20.0	40.0
m-Xylene & p-Xylene	CBZ	Ave	39659 7965383	72682	763021	1655855	3762472	1.00 160	2.00	20.0	40.0	80.0
o-Xylene	CBZ	Ave	21061 3790133	41047	379262	798861	1808160	0.500 80.0	1.00	10.0	20.0	40.0
Styrene	CBZ	Ave	32530 7001883	61513	656462	1391679	3238535	0.500 80.0	1.00	10.0	20.0	40.0
Bromoform	CBZ	Ave	1375614	15110	126650	264417	630748	80.0	1.00	10.0	20.0	40.0
Isopropylbenzene	CBZ	Ave	43572 9336639	89973	880920	1871739	4396131	0.500 80.0	1.00	10.0	20.0	40.0
1,1,2,2-Tetrachloroethane	DCB	Ave	12067 2282651	26139	237646	493024	1089241	0.500 80.0	1.00	10.0	20.0	40.0
Bromobenzene	DCB	Ave	13836 2700517	29091	287519	579703	1294646	0.500 80.0	1.00	10.0	20.0	40.0

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

Lab Name: TestAmerica Canton Job No.: 240-10641-1 Analy Batch No.: 21324

SDG No.: _____

Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/31/2011 17:54 Calibration End Date: 10/31/2011 19:56 Calibration ID: 4931

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,2,3-Trichloropropane	DCB	Ave	5203 856752	9924	91245	193427	406694	0.500 80.0	1.00	10.0	20.0	40.0
trans-1,4-Dichloro-2-butene	DCB	Ave	649871	7658	59117	128200	294225	80.0	1.00	10.0	20.0	40.0
N-Propylbenzene	DCB	Ave	14057 2442270	23958	233811	522368	1194015	0.500 80.0	1.00	10.0	20.0	40.0
2-Chlorotoluene	DCB	Ave	13262 2273287	21901	240295	482904	1113328	0.500 80.0	1.00	10.0	20.0	40.0
1,3,5-Trimethylbenzene	DCB	Ave	36307 7739260	69128	734046	1575899	3620842	0.500 80.0	1.00	10.0	20.0	40.0
4-Chlorotoluene	DCB	Ave	13345 2505958	26878	254856	521465	1208187	0.500 80.0	1.00	10.0	20.0	40.0
tert-Butylbenzene	DCB	Ave	34031 6750324	64676	645504	1377243	3226613	0.500 80.0	1.00	10.0	20.0	40.0
1,2,4-Trimethylbenzene	DCB	Ave	42498 8085283	78345	779030	1662962	3816240	0.500 80.0	1.00	10.0	20.0	40.0
sec-Butylbenzene	DCB	Ave	36944 9061575	81367	845732	1821230	4235496	0.500 80.0	1.00	10.0	20.0	40.0
1,3-Dichlorobenzene	DCB	Ave	26861 4967935	50779	504706	1050582	2353125	0.500 80.0	1.00	10.0	20.0	40.0
4-Isopropyltoluene	DCB	Ave	35095 8200267	68802	745346	1609507	3791048	0.500 80.0	1.00	10.0	20.0	40.0
1,4-Dichlorobenzene	DCB	Ave	30280 5176078	57655	533664	1084022	2481751	0.500 80.0	1.00	10.0	20.0	40.0
n-Butylbenzene	DCB	Ave	27914 6576318	55010	591769	1296212	3113041	0.500 80.0	1.00	10.0	20.0	40.0
1,2-Dichlorobenzene	DCB	Ave	26084 4877700	52603	507749	1039433	2326206	0.500 80.0	1.00	10.0	20.0	40.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	564959	6734	53164	118103	249339	80.0	1.00	10.0	20.0	40.0
1,2,4-Trichlorobenzene	DCB	Ave	17136 3025172	38042	318913	635385	1392079	0.500 80.0	1.00	10.0	20.0	40.0
Hexachlorobutadiene	DCB	Ave	9998 1285313	14782	141218	277238	610607	0.500 80.0	1.00	10.0	20.0	40.0
Naphthalene	DCB	Ave	44562 8584902	88467	861287	1794840	3714036	0.500 80.0	1.00	10.0	20.0	40.0
1,2,3-Trichlorobenzene	DCB	Ave	17133 2547658	31435	297617	593310	1152157	0.500 80.0	1.00	10.0	20.0	40.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	2180781	31381	238055	469790	1044746	80.0	1.00	10.0	20.0	40.0
Toluene-d8 (Surr)	CBZ	Ave	7753578	95298	816280	1606426	3707222	80.0	1.00	10.0	20.0	40.0

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

Lab Name: TestAmerica Canton Job No.: 240-10641-1 Analy Batch No.: 21324

SDG No.: _____

Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/31/2011 17:54 Calibration End Date: 10/31/2011 19:56 Calibration ID: 4931

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
4-Bromofluorobenzene (Surr)	CBZ	Ave	2867497	37342	302689	607929	1407305	80.0	1.00	10.0	20.0	40.0

Curve Type Legend:

Ave = Average ISTD

Lin1 = Linear 1/conc ISTD

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX9\20111031-4831.b\UX90533.D
 Lims ID: std8260 L1 Client ID:
 Inject. Date: 31-Oct-2011 17:54:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: 240-0004831-003
 Misc. Info.:
 Operator: 1903 Instrument ID: A3UX9
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 21324 Lims Sample ID: 3
 Sublist: chrom-8260_9*sub11
 Detector: MS SCAN
 Method: \\Ncchrom\ChromData\A3UX9\20111031-4831.b\8260_9.m
 Last Update: 01-Nov-2011 00:31:42 Calib Date: 31-Oct-2011 22:06:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A3UX9\20111031-4831.b\UX90543.D
 Limit Group: MSV 624 ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-18

First Level Reviewer: laveyt

Date: 31-Oct-2011 18:32:12

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.295	5.294	0.001	99	1584514	20.0	
* 2 Chlorobenzene-d5	117	7.957	7.956	0.001	83	1284894	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.182	10.193	-0.011	95	666188	20.0	
\$ 5 Dibromofluoromethane (Surr)	113		4.738					
\$ 6 1,2-Dichloroethane-d4 (Surr)	65		5.022					
\$ 7 Toluene-d8 (Surr)	98		6.643					
\$ 131 4-Bromofluorobenzene (Surr)	95		9.057					
12 Dichlorodifluoromethane	85		1.661					
13 Chloromethane	50	1.804	1.803	0.001	88	13108	0.6161	
14 Vinyl chloride	62	1.911	1.910	0.001	33	13813	0.5412	
15 Bromomethane	94		2.205					
16 Chloroethane	64	2.301	2.312	-0.011	64	8056	0.5027	
18 Trichlorofluoromethane	101	2.514	2.525	-0.011	16	17513	0.4812	
20 Acrolein	56	2.822	2.833	-0.011	76	14417	5.26	
22 Acetone	43		2.951					
23 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.940	2.951	-0.011	32	10681	0.4679	
21 1,1-Dichloroethene	61	2.952	2.951	0.001	81	15760	0.4497	
24 Iodomethane	142	3.094	3.105	-0.011	72	21054	0.5290	
26 Carbon disulfide	76	3.153	3.140	0.013	89	33339	0.4998	
27 Acetonitrile	41		3.188					
28 Methyl acetate	43	3.212	3.211	0.001	91	18911	1.37	
30 Methylene Chloride	49		3.353					
31 2-Methyl-2-propanol	59	3.378	3.377	0.001	83	17672	10.8	
32 Acrylonitrile	53	3.508	3.507	0.001	81	8243	1.22	
34 Methyl tert-butyl ether	73	3.532	3.531	0.001	84	35528	0.5580	
33 trans-1,2-Dichloroethene	61	3.532	3.531	0.001	49	13481	0.5139	
35 Hexane	57	3.757	3.756	0.001	71	9575	0	
36 1,1-Dichloroethane	63	3.875	3.874	0.001	74	17222	0.5316	
37 Vinyl acetate	86		3.909					
42 cis-1,2-Dichloroethene	61	4.348	4.347	0.001	67	15746	0.5566	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
41 2-Butanone (MEK)	72	4.348	4.359	-0.011	65	4758	0.8132	
43 2,2-Dichloropropane	77	4.348	4.359	-0.011	32	5854	0.4088	
47 Chlorobromomethane	49	4.538	4.548	-0.010	64	7970	0.5552	
48 Tetrahydrofuran	42		4.584					
49 Chloroform	83	4.609	4.608	0.001	67	18857	0.5063	
50 1,1,1-Trichloroethane	97	4.774	4.773	0.001	52	10509	0.4312	
51 Cyclohexane	56	4.845	4.832	0.013	40	11777	0.4753	
52 1,1-Dichloropropene	75	4.893	4.903	-0.010	59	11489	0.4427	
53 Carbon tetrachloride	117	4.904	4.903	0.001	66	11019	0.5163	
55 Benzene	78	5.070	5.081	-0.011	90	43269	0.5207	
56 1,2-Dichloroethane	62	5.082	5.081	0.001	41	13202	0.4642	
60 Trichloroethene	130	5.603	5.601	0.002	70	12677	0.5168	
63 Methylcyclohexane	55	5.768	5.779	-0.011	40	8470	0.5039	
62 1,2-Dichloropropane	63	5.792	5.791	0.001	66	9897	0.5395	
66 1,4-Dioxane	88	5.898	5.897	0.001	35	5855	0	
65 Dibromomethane	174	5.898	5.897	0.001	72	8119	0.5125	
67 Dichlorobromomethane	83	6.017	6.016	0.001	69	14527	0.5397	
69 2-Chloroethyl vinyl ether	63	6.265	6.264	0.001	62	11407	0.99	
70 cis-1,3-Dichloropropene	75	6.407	6.406	0.001	53	16595	0.5226	
71 4-Methyl-2-pentanone (MIBK)	43	6.537	6.524	0.013	66	13770	0.9749	
72 Toluene	91	6.703	6.702	0.001	81	45277	0.4730	
73 trans-1,3-Dichloropropene	75	6.881	6.891	-0.011	57	14047	0.4782	
74 Ethyl methacrylate	69	6.940	6.950	-0.010	34	9906	0.4295	
75 1,1,2-Trichloroethane	97	7.058	7.057	0.001	68	9545	0.4928	
77 Tetrachloroethene	166	7.200	7.199	0.001	78	12521	0.5077	
76 1,3-Dichloropropane	76	7.212	7.211	0.001	69	19028	0.5561	
78 2-Hexanone	43	7.259	7.270	-0.011	58	9542	0.99	
79 Chlorodibromomethane	129	7.425	7.424	0.001	48	10265	0.4871	
123 Ethylene Dibromide	107	7.531	7.530	0.001	57	10557	0.5151	
82 Chlorobenzene	112	7.981	7.980	0.001	78	36103	0.5346	
83 1,1,1,2-Tetrachloroethane	131	8.052	8.051	0.001	60	11711	0.5287	
84 Ethylbenzene	106	8.076	8.075	0.001	84	16631	0.4930	
10 m-Xylene & p-Xylene	106	8.182	8.181	0.001	88	39659	0.9557	
85 o-Xylene	106	8.561	8.560	0.001	86	21061	0.5044	
86 Styrene	104	8.573	8.572	0.001	81	32530	0.4599	
87 Bromoform	173		8.761					
88 Isopropylbenzene	105	8.904	8.903	0.001	77	43572	0.4526	
90 1,1,2,2-Tetrachloroethane	83	9.188	9.187	0.001	57	12067	0.5042	
91 Bromobenzene	156	9.212	9.210	0.002	80	13836	0.4949	
92 1,2,3-Trichloropropane	110	9.235	9.234	0.001	64	5203	0.5587	
93 trans-1,4-Dichloro-2-butene	53		9.246					
94 N-Propylbenzene	120	9.306	9.305	0.001	79	14057	0.5609	
95 2-Chlorotoluene	126	9.401	9.400	0.001	81	13262	0.5605	
96 1,3,5-Trimethylbenzene	105	9.472	9.471	0.001	73	36307	0.4891	
104 4-Chlorotoluene	126	9.496	9.494	0.002	74	13345	0.5172	
97 tert-Butylbenzene	119	9.791	9.790	0.001	58	34031	0.5108	
98 1,2,4-Trimethylbenzene	105	9.839	9.838	0.001	51	42498	0.5277	
99 sec-Butylbenzene	105	10.004	10.003	0.001	74	36944	0.4360	
100 1,3-Dichlorobenzene	146	10.123	10.122	0.001	1	26861	0.5284	
101 4-Isopropyltoluene	119	10.146	10.145	0.001	14	35095	0.4638	
102 1,4-Dichlorobenzene	146	10.217	10.216	0.001	63	30280	0.5538	
105 n-Butylbenzene	91	10.549	10.548	0.001	76	27914	0.4592	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
106 1,2-Dichlorobenzene	146	10.584	10.583	0.001	77	26084	0.5157	
107 1,2-Dibromo-3-Chloropropane	157		11.352					
108 1,3,5-Trichlorobenzene	180	11.566	11.565	0.001	64	20652	0	
109 1,2,4-Trichlorobenzene	180	12.182	12.181	0.002	48	17136	0.5289	
110 Hexachlorobutadiene	225	12.347	12.346	0.001	55	9998	0.6821	
111 Naphthalene	128	12.430	12.429	0.001	71	44562	0.5198	
112 1,2,3-Trichlorobenzene	180	12.679	12.689	-0.010	58	17133	0.5926	
S 11 1,2-Dichloroethene, Total	96				0		1.07	
S 9 1,3-Dichloropropene, Total	75				0		1.00	
S 114 Xylenes, Total	106				0		1.46	

Report Date: 01-Nov-2011 00:31:42

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Ncchrom\ChromData\A3UX9\20111031-4831.b\UX90533.D

Injection Date: 31-Oct-2011 17:54:30

Limit Group: MSV 624 ICAL

Client ID:

Instrument ID: A3UX9

Lims Batch ID: 21324

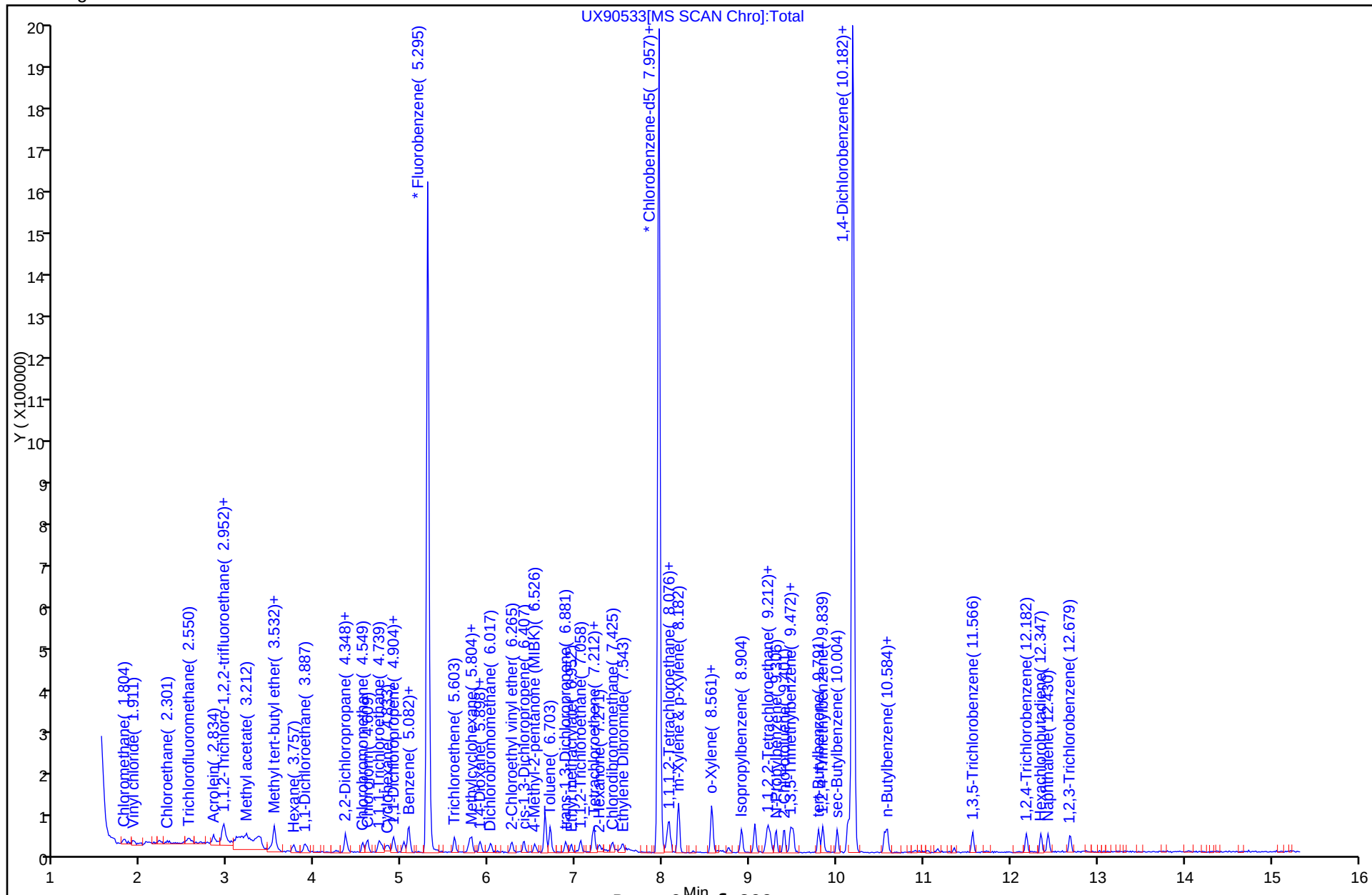
Lims Sample ID: 3

Operator ID: 1903

Column Type: DB-624

Column Dia: 0.18 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX9\20111031-4831.b\UX90534.D
 Lims ID: std8260 L2 Client ID:
 Inject. Date: 31-Oct-2011 18:18:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: 240-0004831-004
 Misc. Info.:
 Operator: 1903 Instrument ID: A3UX9
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 21324 Lims Sample ID: 4
 Sublist: chrom-8260_9*sub11
 Detector: MS SCAN
 Method: \\Ncchrom\ChromData\A3UX9\20111031-4831.b\8260_9.m
 Last Update: 01-Nov-2011 00:31:43 Calib Date: 31-Oct-2011 22:06:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A3UX9\20111031-4831.b\UX90543.D
 Limit Group: MSV 624 ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-18

First Level Reviewer: laveyt

Date: 31-Oct-2011 19:14:32

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.294	5.294	0.0	99	1560625	20.0	
* 2 Chlorobenzene-d5	117	7.957	7.956	0.001	83	1258192	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.193	10.193	0.0	92	667574	20.0	
\$ 5 Dibromofluoromethane (Surr)	113	4.738	4.738	0.0	44	25174	0	
\$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.022	5.022	0.0	64	31381	1.22	
\$ 7 Toluene-d8 (Surr)	98	6.643	6.643	0.0	83	95298	1.10	
\$ 131 4-Bromofluorobenzene (Surr)	95	9.057	9.057	0.0	78	37342	1.14	
12 Dichlorodifluoromethane	85	1.662	1.661	0.001	38	21148	0.8381	
13 Chloromethane	50	1.804	1.803	0.001	81	19825	0.9461	
14 Vinyl chloride	62	1.898	1.910	-0.012	74	21363	0.8499	
15 Bromomethane	94	2.218	2.205	0.013	72	17460	0.9823	
16 Chloroethane	64	2.301	2.312	-0.011	45	15206	0.9633	
18 Trichlorofluoromethane	101	2.537	2.525	0.012	62	29790	0.8310	
20 Acrolein	56	2.833	2.833	0.0	85	29530	10.9	
22 Acetone	43	2.963	2.951	0.012	81	27405	2.25	
23 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.952	2.951	0.001	61	23854	1.06	
21 1,1-Dichloroethene	61	2.952	2.951	0.001	93	33767	0.9782	
24 Iodomethane	142	3.105	3.105	0.0	87	40606	1.04	
26 Carbon disulfide	76	3.153	3.140	0.013	84	62217	0.9469	
27 Acetonitrile	41	3.176	3.188	-0.012	91	26847	0	
28 Methyl acetate	43	3.212	3.211	0.001	78	32966	2.42	
30 Methylene Chloride	49	3.354	3.353	0.001	74	33503	1.27	
31 2-Methyl-2-propanol	59	3.378	3.377	0.001	90	31887	19.8	
32 Acrylonitrile	53	3.508	3.507	0.001	84	13107	1.97	
34 Methyl tert-butyl ether	73	3.531	3.531	0.0	86	62032	0.9892	
33 trans-1,2-Dichloroethene	61	3.531	3.531	0.0	52	26761	1.04	
35 Hexane	57	3.756	3.756	0.0	82	14594	0	
36 1,1-Dichloroethane	63	3.886	3.874	0.012	83	33751	1.06	
37 Vinyl acetate	86	3.898	3.909	-0.011	96	5216	1.16	
42 cis-1,2-Dichloroethene	61	4.348	4.347	0.001	64	31488	1.13	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
41 2-Butanone (MEK)	72	4.372	4.359	0.013	57	8699	2.61	
43 2,2-Dichloropropane	77	4.360	4.359	0.001	53	14936	1.06	
47 Chlorobromomethane	49	4.549	4.548	0.001	54	14204	1.00	
48 Tetrahydrofuran	42	4.596	4.584	0.012	40	5889	0	
49 Chloroform	83	4.608	4.608	0.0	72	39319	1.07	
50 1,1,1-Trichloroethane	97	4.762	4.773	-0.011	73	23940	1.00	
51 Cyclohexane	56	4.833	4.832	0.001	68	25401	1.04	
52 1,1-Dichloropropene	75	4.904	4.903	0.001	77	24430	0.9558	
53 Carbon tetrachloride	117	4.904	4.903	0.001	50	17568	0.8358	
55 Benzene	78	5.081	5.081	0.0	94	81142	0.99	
56 1,2-Dichloroethane	62	5.081	5.081	0.0	52	28933	1.03	
60 Trichloroethene	130	5.602	5.601	0.001	81	24315	1.01	
63 Methylcyclohexane	55	5.780	5.779	0.001	82	17944	1.08	
62 1,2-Dichloropropane	63	5.791	5.791	0.0	73	19081	1.06	
66 1,4-Dioxane	88	5.898	5.897	0.001	32	13955	0	
65 Dibromomethane	174	5.898	5.897	0.001	76	16148	1.03	
67 Dichlorobromomethane	83	6.016	6.016	0.0	72	26068	0.9833	
69 2-Chloroethyl vinyl ether	63	6.265	6.264	0.001	78	21356	1.89	
70 cis-1,3-Dichloropropene	75	6.407	6.406	0.001	72	30235	0.9667	
71 4-Methyl-2-pentanone (MIBK)	43	6.525	6.524	0.001	87	29883	2.15	
72 Toluene	91	6.703	6.702	0.001	91	94939	1.01	
73 trans-1,3-Dichloropropene	75	6.880	6.891	-0.011	76	28783	1.00	
74 Ethyl methacrylate	69	6.951	6.950	0.001	68	19174	0.8490	
75 1,1,2-Trichloroethane	97	7.058	7.057	0.001	80	19879	1.05	
77 Tetrachloroethene	166	7.200	7.199	0.001	89	24750	1.02	
76 1,3-Dichloropropane	76	7.211	7.211	0.0	82	33019	0.9855	
78 2-Hexanone	43	7.271	7.270	0.001	60	17651	1.87	
79 Chlorodibromomethane	129	7.424	7.424	0.0	46	20349	0.9861	
123 Ethylene Dibromide	107	7.543	7.530	0.013	62	19234	0.9584	
82 Chlorobenzene	112	7.981	7.980	0.001	61	68193	1.03	
83 1,1,1,2-Tetrachloroethane	131	8.052	8.051	0.001	77	22165	1.02	
84 Ethylbenzene	106	8.075	8.075	0.0	94	32618	0.9873	
10 m-Xylene & p-Xylene	106	8.182	8.181	0.001	95	72682	1.79	
85 o-Xylene	106	8.560	8.560	0.0	85	41047	1.00	
86 Styrene	104	8.572	8.572	0.0	91	61513	0.8881	
87 Bromoform	173	8.750	8.761	-0.011	59	15110	1.06	
88 Isopropylbenzene	105	8.903	8.903	0.0	83	89973	0.9543	
90 1,1,2,2-Tetrachloroethane	83	9.187	9.187	0.0	70	26139	1.09	
91 Bromobenzene	156	9.211	9.210	0.001	83	29091	1.04	
92 1,2,3-Trichloropropane	110	9.247	9.234	0.013	45	9924	1.06	
93 trans-1,4-Dichloro-2-butene	53	9.235	9.246	-0.011	44	7658	1.18	
94 N-Propylbenzene	120	9.306	9.305	0.001	89	23958	0.9539	
95 2-Chlorotoluene	126	9.389	9.400	-0.011	88	21901	0.9236	
96 1,3,5-Trimethylbenzene	105	9.471	9.471	0.0	82	69128	0.9292	
104 4-Chlorotoluene	126	9.495	9.494	0.001	94	26878	1.04	
97 tert-Butylbenzene	119	9.791	9.790	0.001	66	64676	0.9687	
98 1,2,4-Trimethylbenzene	105	9.838	9.838	0.0	87	78345	0.9707	
99 sec-Butylbenzene	105	10.004	10.003	0.001	85	81367	0.9584	
100 1,3-Dichlorobenzene	146	10.122	10.122	0.0	11	50779	1.00	
101 4-Isopropyltoluene	119	10.146	10.145	0.001	50	68802	0.9074	
102 1,4-Dichlorobenzene	146	10.217	10.216	0.001	81	57655	1.05	
105 n-Butylbenzene	91	10.548	10.548	0.0	86	55010	0.9031	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
106 1,2-Dichlorobenzene	146	10.584	10.583	0.001	90	52603	1.04	
107 1,2-Dibromo-3-Chloropropane	157	11.353	11.352	0.001	23	6734	1.17	
108 1,3,5-Trichlorobenzene	180	11.566	11.565	0.001	78	35704	0	
109 1,2,4-Trichlorobenzene	180	12.181	12.181	0.001	71	38042	1.17	
110 Hexachlorobutadiene	225	12.347	12.346	0.001	57	14782	1.01	
111 Naphthalene	128	12.430	12.429	0.001	89	88467	1.03	
112 1,2,3-Trichlorobenzene	180	12.690	12.689	0.001	71	31435	1.09	
S 11 1,2-Dichloroethene, Total	96				0		2.17	
S 9 1,3-Dichloropropene, Total	75				0		1.97	
S 114 Xylenes, Total	106				0		2.79	

Report Date: 01-Nov-2011 00:31:43

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Ncchrom\ChromData\A3UX9\20111031-4831.b\UX90534.D

Injection Date: 31-Oct-2011 18:18:30

Limit Group: MSV 624 ICAL

Client ID:

Instrument ID: A3UX9

Lims Batch ID: 21324

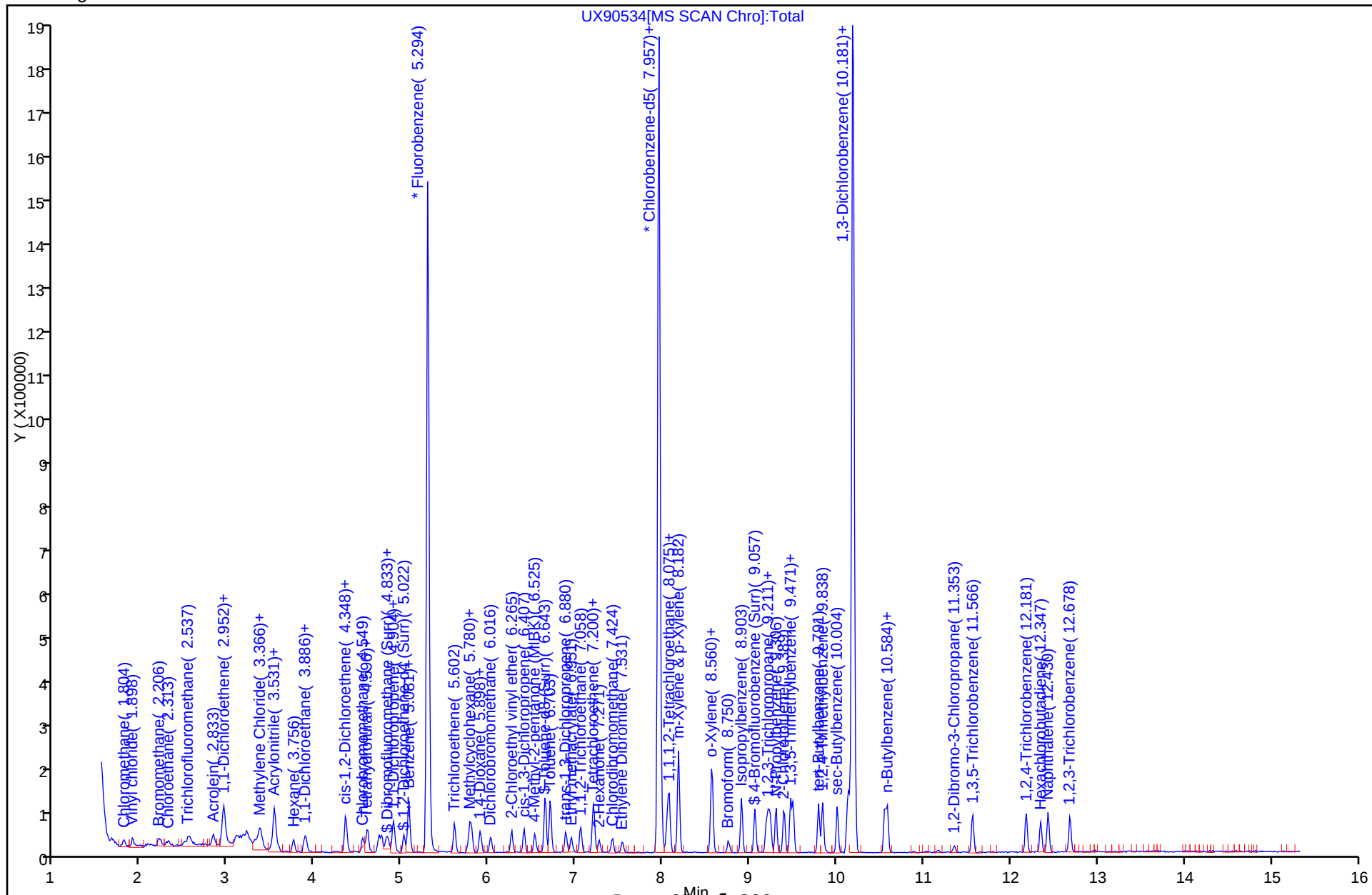
Lims Sample ID: 4

Operator ID: 1903

Column Type: DB-624

Column Dia: 0.18 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX9\20111031-4831.b\UX90535.D
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 Inject. Date: 31-Oct-2011 18:42:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: 240-0004831-005
 Misc. Info.:
 Operator: 1903 Instrument ID: A3UX9
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 21324 Lims Sample ID: 5
 Sublist: chrom-8260_9*sub11
 Detector: MS SCAN
 Method: \\Ncchrom\ChromData\A3UX9\20111031-4831.b\8260_9.m
 Last Update: 01-Nov-2011 00:31:43 Calib Date: 31-Oct-2011 22:06:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A3UX9\20111031-4831.b\UX90543.D
 Limit Group: MSV 624 ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-18

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.297	5.294	0.003	99	1572826	20.0	
* 2 Chlorobenzene-d5	117	7.960	7.956	0.004	81	1272760	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.184	10.193	-0.009	92	700888	20.0	
\$ 5 Dibromofluoromethane (Surr)	113	4.741	4.738	0.003	57	204842	0	
\$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.025	5.022	0.003	50	238055	9.17	
\$ 7 Toluene-d8 (Surr)	98	6.646	6.643	0.003	83	816280	9.35	
\$ 131 4-Bromofluorobenzene (Surr)	95	9.060	9.057	0.003	92	302689	9.16	
12 Dichlorodifluoromethane	85	1.653	1.661	-0.008	97	268710	10.6	
13 Chloromethane	50	1.795	1.803	-0.008	89	214608	10.2	
14 Vinyl chloride	62	1.901	1.910	-0.009	98	264349	10.4	
15 Bromomethane	94	2.209	2.205	0.004	91	169131	9.44	
16 Chloroethane	64	2.304	2.312	-0.008	99	154668	9.72	
18 Trichlorofluoromethane	101	2.517	2.525	-0.008	97	373706	10.3	
20 Acrolein	56	2.824	2.833	-0.009	92	254067	93.4	
22 Acetone	43	2.955	2.951	0.004	41	101971	18.3	
23 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.943	2.951	-0.008	69	202514	8.94	
21 1,1-Dichloroethene	61	2.943	2.951	-0.008	98	338828	9.74	
24 Iodomethane	142	3.097	3.105	-0.008	98	373385	9.45	
26 Carbon disulfide	76	3.144	3.140	0.004	99	638031	9.64	
27 Acetonitrile	41	3.179	3.188	-0.009	86	185790	0	
28 Methyl acetate	43	3.215	3.211	0.004	83	234553	17.1	
30 Methylene Chloride	49	3.357	3.353	0.004	72	252318	9.52	
31 2-Methyl-2-propanol	59	3.381	3.377	0.004	31	310996	191.6	
32 Acrylonitrile	53	3.511	3.507	0.004	73	121632	18.1	
34 Methyl tert-butyl ether	73	3.534	3.531	0.003	84	585295	9.26	
33 trans-1,2-Dichloroethene	61	3.534	3.531	0.003	63	247707	9.51	
35 Hexane	57	3.747	3.756	-0.009	86	134943	0	
36 1,1-Dichloroethane	63	3.878	3.874	0.004	98	304788	9.48	
37 Vinyl acetate	86	3.901	3.909	-0.008	99	40345	8.93	
42 cis-1,2-Dichloroethene	61	4.351	4.347	0.004	81	263619	9.39	
41 2-Butanone (MEK)	72	4.351	4.359	-0.008	60	44598	18.5	
43 2,2-Dichloropropane	77	4.351	4.359	-0.008	54	142472	10.0	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
47 Chlorobromomethane	49	4.540	4.548	-0.008	65	137675	9.66	
48 Tetrahydrofuran	42	4.587	4.584	0.003	50	40452	0	
49 Chloroform	83	4.599	4.608	-0.009	83	349938	9.47	
50 1,1,1-Trichloroethane	97	4.765	4.773	-0.008	91	235892	9.75	
51 Cyclohexane	56	4.836	4.832	0.004	83	215418	8.76	
52 1,1-Dichloropropene	75	4.907	4.903	0.004	89	254001	9.86	
53 Carbon tetrachloride	117	4.907	4.903	0.004	64	190787	9.01	
55 Benzene	78	5.073	5.081	-0.008	94	784268	9.51	
56 1,2-Dichloroethane	62	5.084	5.081	0.003	59	278717	9.87	
60 Trichloroethene	130	5.605	5.601	0.004	95	224977	9.24	
63 Methylcyclohexane	55	5.771	5.779	-0.008	85	143525	8.60	
62 1,2-Dichloropropane	63	5.794	5.791	0.003	79	171316	9.41	
66 1,4-Dioxane	88	5.901	5.897	0.004	60	110079	0	
65 Dibromomethane	174	5.901	5.897	0.004	88	148758	9.46	
67 Dichlorobromomethane	83	6.019	6.016	0.003	95	246506	9.23	
69 2-Chloroethyl vinyl ether	63	6.268	6.264	0.004	93	216944	19.0	
70 cis-1,3-Dichloropropene	75	6.410	6.406	0.004	90	291425	9.25	
71 4-Methyl-2-pentanone (MIBK)	43	6.528	6.524	0.004	93	259733	18.5	
72 Toluene	91	6.706	6.702	0.004	94	899368	9.48	
73 trans-1,3-Dichloropropene	75	6.883	6.891	-0.008	87	270103	9.28	
74 Ethyl methacrylate	69	6.954	6.950	0.004	63	218573	9.57	
75 1,1,2-Trichloroethane	97	7.061	7.057	0.004	90	183954	9.59	
77 Tetrachloroethene	166	7.203	7.199	0.004	90	229255	9.38	
76 1,3-Dichloropropane	76	7.214	7.211	0.003	86	314009	9.26	
78 2-Hexanone	43	7.262	7.270	-0.008	64	182893	19.2	
79 Chlorodibromomethane	129	7.427	7.424	0.003	85	190828	9.14	
123 Ethylene Dibromide	107	7.534	7.530	0.004	96	197067	9.71	
82 Chlorobenzene	112	7.983	7.980	0.003	96	629629	9.41	
83 1,1,1,2-Tetrachloroethane	131	8.054	8.051	0.003	78	202921	9.25	
84 Ethylbenzene	106	8.078	8.075	0.003	98	310555	9.29	
10 m-Xylene & p-Xylene	106	8.185	8.181	0.004	96	763021	18.6	
85 o-Xylene	106	8.563	8.560	0.003	87	379262	9.17	
86 Styrene	104	8.575	8.572	0.003	93	656462	9.37	
87 Bromoform	173	8.753	8.761	-0.008	91	126650	8.77	
88 Isopropylbenzene	105	8.906	8.903	0.003	95	880920	9.24	
90 1,1,2,2-Tetrachloroethane	83	9.190	9.187	0.003	96	237646	9.44	
91 Bromobenzene	156	9.214	9.210	0.004	84	287519	9.78	
92 1,2,3-Trichloropropane	110	9.238	9.234	0.004	71	91245	9.31	
93 trans-1,4-Dichloro-2-butene	53	9.238	9.246	-0.008	64	59117	8.64	
94 N-Propylbenzene	120	9.297	9.305	-0.008	88	233811	8.87	
95 2-Chlorotoluene	126	9.392	9.400	-0.008	97	240295	9.65	
96 1,3,5-Trimethylbenzene	105	9.474	9.471	0.003	93	734046	9.40	
104 4-Chlorotoluene	126	9.498	9.494	0.004	97	254856	9.39	
97 tert-Butylbenzene	119	9.794	9.790	0.004	75	645504	9.21	
98 1,2,4-Trimethylbenzene	105	9.841	9.838	0.003	70	779030	9.19	
99 sec-Butylbenzene	105	10.007	10.003	0.004	92	845732	9.49	
100 1,3-Dichlorobenzene	146	10.125	10.122	0.003	93	504706	9.44	
101 4-Isopropyltoluene	119	10.149	10.145	0.004	91	745346	9.36	
102 1,4-Dichlorobenzene	146	10.208	10.216	-0.008	92	533664	9.28	
105 n-Butylbenzene	91	10.551	10.548	0.003	94	591769	9.25	
106 1,2-Dichlorobenzene	146	10.587	10.583	0.004	98	507749	9.54	
107 1,2-Dibromo-3-Chloropropane	157	11.356	11.352	0.004	71	53164	8.81	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
108 1,3,5-Trichlorobenzene	180	11.569	11.565	0.004	96	333574	0	
109 1,2,4-Trichlorobenzene	180	12.184	12.181	0.004	93	318913	9.36	
110 Hexachlorobutadiene	225	12.350	12.346	0.004	93	141218	9.16	
111 Naphthalene	128	12.433	12.429	0.004	97	861287	9.55	
112 1,2,3-Trichlorobenzene	180	12.681	12.689	-0.008	94	297617	9.78	
S 11 1,2-Dichloroethene, Total	96				0		18.9	
S 9 1,3-Dichloropropene, Total	75				0		18.5	
S 114 Xylenes, Total	106				0		27.7	

Report Date: 01-Nov-2011 00:31:44

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Ncchrom\ChromData\A3UX9\20111031-4831.b\UX90535.D

Injection Date: 31-Oct-2011 18:42:30

Limit Group: MSV 624 ICAL

Client ID:

Instrument ID: A3UX9

Lims Batch ID: 21324

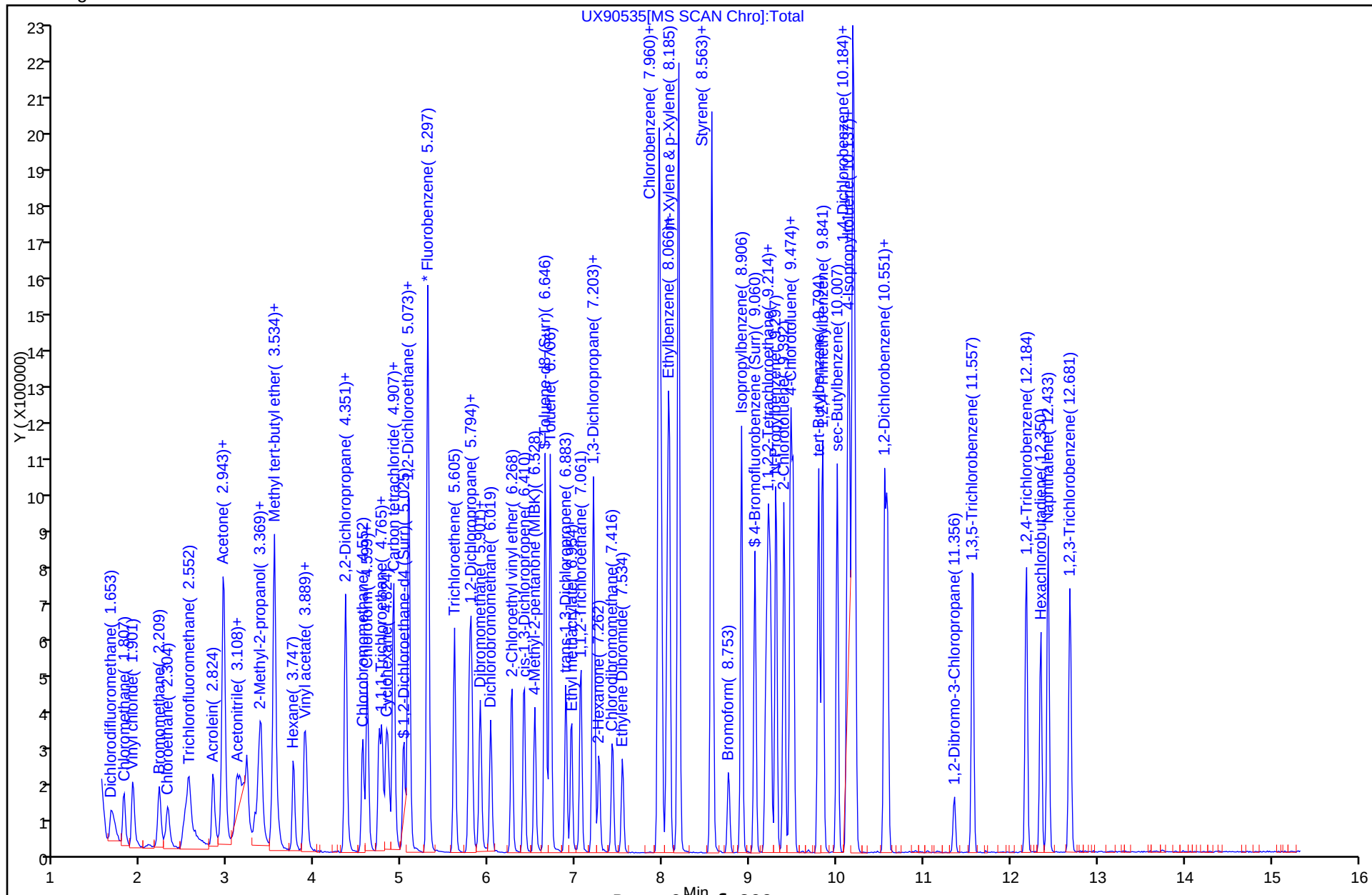
Lims Sample ID: 5

Operator ID: 1903

Column Type: DB-624

Column Dia: 0.18 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX9\20111031-4831.b\UX90536.D
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 Inject. Date: 31-Oct-2011 19:06:30 Dil. Factor: 1.0000
 Sample Type: ICIS Calib Level: 4
 Sample ID: 240-0004831-006
 Misc. Info.:
 Operator: 1903 Instrument ID: A3UX9
 Vol. Injected: 1.0000 ALS Bottle#: 5
 Lims Batch ID: 21324 Lims Sample ID: 6
 Sublist: chrom-8260_9*sub11
 Detector: MS SCAN
 Method: \\Ncchrom\ChromData\A3UX9\20111031-4831.b\8260_9.m
 Last Update: 01-Nov-2011 00:31:44 Calib Date: 31-Oct-2011 22:06:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A3UX9\20111031-4831.b\UX90543.D
 Limit Group: MSV 624 ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-18

First Level Reviewer: laveyt

Date: 31-Oct-2011 19:43:35

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.294	5.294	0.0	99	1578693	20.0	
* 2 Chlorobenzene-d5	117	7.956	7.956	0.0	82	1327896	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.193	10.193	0.0	90	737837	20.0	
\$ 5 Dibromofluoromethane (Surr)	113	4.738	4.738	0.0	58	391172	0	
\$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.022	5.022	0.0	90	469790	18.0	
\$ 7 Toluene-d8 (Surr)	98	6.643	6.643	0.0	76	1606426	17.6	
\$ 131 4-Bromofluorobenzene (Surr)	95	9.057	9.057	0.0	90	607929	17.6	
12 Dichlorodifluoromethane	85	1.661	1.661	0.0	97	489574	19.2	
13 Chloromethane	50	1.803	1.803	0.0	99	397631	18.8	
14 Vinyl chloride	62	1.910	1.910	0.0	98	498891	19.6	
15 Bromomethane	94	2.205	2.205	0.0	91	328039	18.2	
16 Chloroethane	64	2.312	2.312	0.0	98	303326	19.0	
18 Trichlorofluoromethane	101	2.525	2.525	0.0	97	709199	19.6	
20 Acrolein	56	2.833	2.833	0.0	99	496621	182.0	
22 Acetone	43	2.951	2.951	0.0	43	186648	36.4	
23 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.951	2.951	0.0	73	450136	19.8	
21 1,1-Dichloroethene	61	2.951	2.951	0.0	96	704560	20.2	
24 Iodomethane	142	3.105	3.105	0.0	97	750993	18.9	
26 Carbon disulfide	76	3.140	3.140	0.0	99	1302486	19.6	
27 Acetonitrile	41	3.188	3.188	0.0	95	363041	0	
28 Methyl acetate	43	3.211	3.211	0.0	96	460251	33.4	
30 Methylene Chloride	49	3.353	3.353	0.0	80	477948	18.0	
31 2-Methyl-2-propanol	59	3.377	3.377	0.0	46	648498	398.0	
32 Acrylonitrile	53	3.507	3.507	0.0	90	247939	36.8	
34 Methyl tert-butyl ether	73	3.531	3.531	0.0	68	1188638	18.7	
33 trans-1,2-Dichloroethene	61	3.531	3.531	0.0	58	494486	18.9	
35 Hexane	57	3.756	3.756	0.0	86	305235	0	
36 1,1-Dichloroethane	63	3.874	3.874	0.0	98	587930	18.2	
37 Vinyl acetate	86	3.909	3.909	0.0	98	81046	17.9	
42 cis-1,2-Dichloroethene	61	4.347	4.347	0.0	72	506934	18.0	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
41 2-Butanone (MEK)	72	4.359	4.359	0.0	65	85697	36.6	
43 2,2-Dichloropropane	77	4.359	4.359	0.0	64	286983	20.1	
47 Chlorobromomethane	49	4.548	4.548	0.0	62	268610	18.8	
48 Tetrahydrofuran	42	4.584	4.584	0.0	59	84601	0	
49 Chloroform	83	4.608	4.608	0.0	84	695869	18.8	
50 1,1,1-Trichloroethane	97	4.773	4.773	0.0	93	483639	19.9	
51 Cyclohexane	56	4.832	4.832	0.0	79	488912	19.8	
52 1,1-Dichloropropene	75	4.903	4.903	0.0	88	521047	20.2	
53 Carbon tetrachloride	117	4.903	4.903	0.0	58	409982	19.3	
55 Benzene	78	5.081	5.081	0.0	89	1565918	18.9	
56 1,2-Dichloroethane	62	5.081	5.081	0.0	56	545385	19.2	
60 Trichloroethene	130	5.601	5.601	0.0	95	460701	18.8	
63 Methylcyclohexane	55	5.779	5.779	0.0	84	309707	18.5	
62 1,2-Dichloropropane	63	5.791	5.791	0.0	79	335724	18.4	
66 1,4-Dioxane	88	5.897	5.897	0.0	60	250102	0	
65 Dibromomethane	174	5.897	5.897	0.0	87	304392	19.3	
67 Dichlorobromomethane	83	6.016	6.016	0.0	98	494766	18.4	
69 2-Chloroethyl vinyl ether	63	6.264	6.264	0.0	94	438200	38.3	
70 cis-1,3-Dichloropropene	75	6.406	6.406	0.0	92	607441	19.2	
71 4-Methyl-2-pentanone (MIBK)	43	6.524	6.524	0.0	94	532481	37.8	
72 Toluene	91	6.702	6.702	0.0	95	1832668	18.5	
73 trans-1,3-Dichloropropene	75	6.891	6.891	0.0	92	555986	18.3	
74 Ethyl methacrylate	69	6.950	6.950	0.0	74	460444	19.3	
75 1,1,2-Trichloroethane	97	7.057	7.057	0.0	90	372083	18.6	
77 Tetrachloroethene	166	7.199	7.199	0.0	98	475201	18.6	
76 1,3-Dichloropropane	76	7.211	7.211	0.0	88	651023	18.4	
78 2-Hexanone	43	7.270	7.270	0.0	64	380732	38.3	
79 Chlorodibromomethane	129	7.424	7.424	0.0	86	405139	18.6	
123 Ethylene Dibromide	107	7.530	7.530	0.0	97	393762	18.6	
82 Chlorobenzene	112	7.980	7.980	0.0	95	1258732	18.0	
83 1,1,1,2-Tetrachloroethane	131	8.051	8.051	0.0	90	399974	17.5	
84 Ethylbenzene	106	8.075	8.075	0.0	98	653608	18.7	
10 m-Xylene & p-Xylene	106	8.181	8.181	0.0	96	1655855	38.6	
85 o-Xylene	106	8.560	8.560	0.0	89	798861	18.5	
86 Styrene	104	8.572	8.572	0.0	92	1391679	19.0	
87 Bromoform	173	8.761	8.761	0.0	96	264417	17.6	
88 Isopropylbenzene	105	8.903	8.903	0.0	95	1871739	18.8	
90 1,1,2,2-Tetrachloroethane	83	9.187	9.187	0.0	85	493024	18.6	
91 Bromobenzene	156	9.210	9.210	0.0	87	579703	18.7	
92 1,2,3-Trichloropropane	110	9.234	9.234	0.0	67	193427	18.8	
93 trans-1,4-Dichloro-2-butene	53	9.246	9.246	0.0	57	128200	17.8	
94 N-Propylbenzene	120	9.305	9.305	0.0	78	522368	18.8	
95 2-Chlorotoluene	126	9.400	9.400	0.0	95	482904	18.4	
96 1,3,5-Trimethylbenzene	105	9.471	9.471	0.0	91	1575899	19.2	
104 4-Chlorotoluene	126	9.494	9.494	0.0	98	521465	18.2	
97 tert-Butylbenzene	119	9.790	9.790	0.0	74	1377243	18.7	
98 1,2,4-Trimethylbenzene	105	9.838	9.838	0.0	66	1662962	18.6	
99 sec-Butylbenzene	105	10.003	10.003	0.0	94	1821230	19.4	
100 1,3-Dichlorobenzene	146	10.122	10.122	0.0	95	1050582	18.7	
101 4-Isopropyltoluene	119	10.145	10.145	0.0	86	1609507	19.2	
102 1,4-Dichlorobenzene	146	10.216	10.216	0.0	94	1084022	17.9	
105 n-Butylbenzene	91	10.548	10.548	0.0	94	1296212	19.3	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
106 1,2-Dichlorobenzene	146	10.583	10.583	0.0	98	1039433	18.6	
107 1,2-Dibromo-3-Chloropropane	157	11.352	11.352	0.0	85	118103	18.6	
108 1,3,5-Trichlorobenzene	180	11.565	11.565	0.0	97	681454	0	
109 1,2,4-Trichlorobenzene	180	12.181	12.181	0.0	91	635385	17.7	
110 Hexachlorobutadiene	225	12.346	12.346	0.0	95	277238	17.1	
111 Naphthalene	128	12.429	12.429	0.0	96	1794840	18.9	
112 1,2,3-Trichlorobenzene	180	12.689	12.689	0.0	96	593310	18.5	
S 11 1,2-Dichloroethene, Total	96				0		36.9	
S 9 1,3-Dichloropropene, Total	75				0		37.5	
S 114 Xylenes, Total	106				0		57.1	

Report Date: 01-Nov-2011 00:31:44

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File:

\\Ncchrom\ChromData\A3UX9\20111031-4831.b\UX90536.D

Injection Date: 31-Oct-2011 19:06:30

Limit Group: MSV 624 ICAL

Client ID:

Instrument ID: A3UX9

Lims Batch ID: 21324

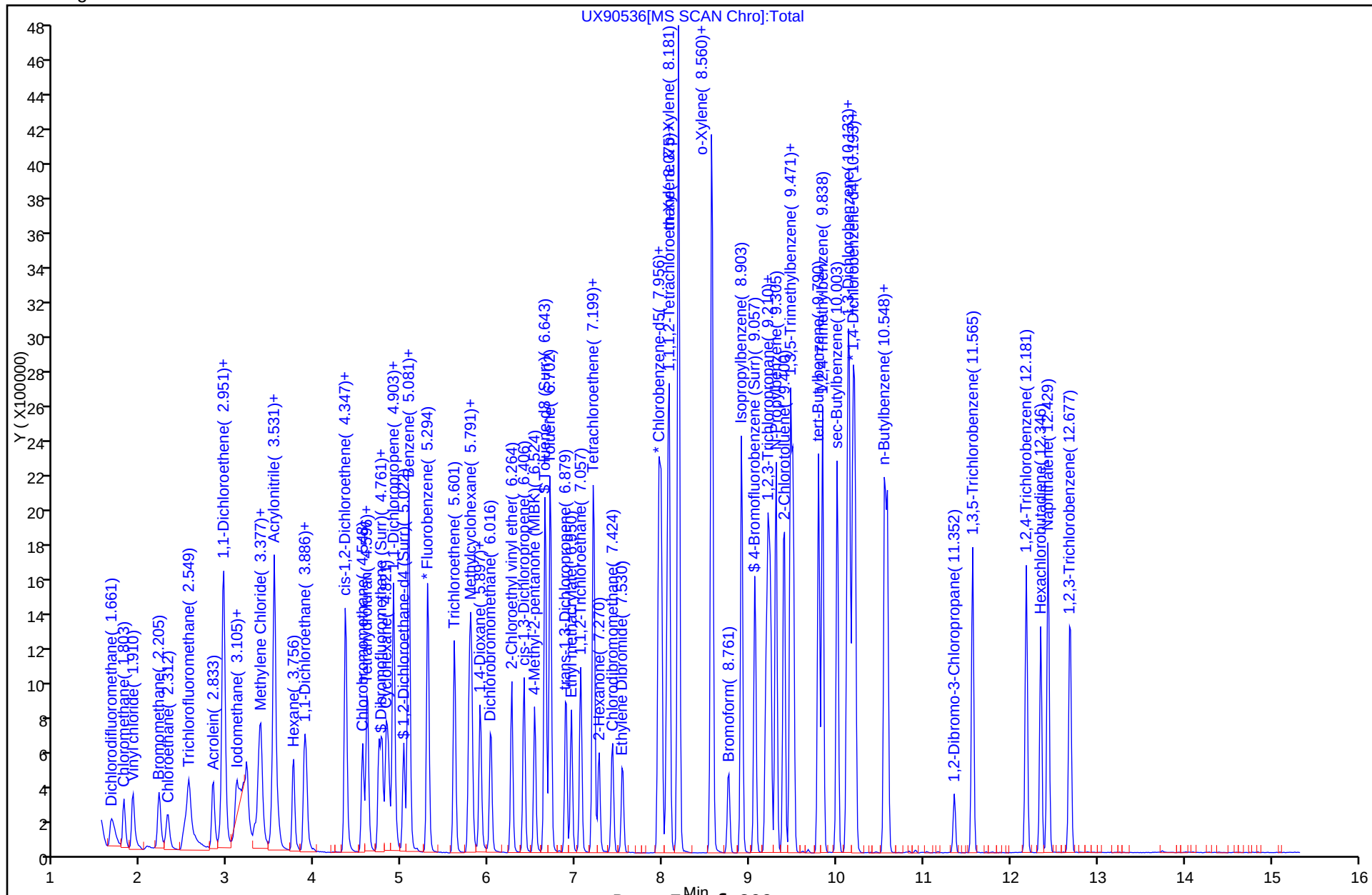
Lims Sample ID: 6

Operator ID: 1903

Column Type: DB-624

Column Dia: 0.18 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX9\20111031-4831.b\UX90537.D
 Lims ID: std8260 L5 Client ID:
 Inject. Date: 31-Oct-2011 19:31:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: 240-0004831-007
 Misc. Info.:
 Operator: 1903 Instrument ID: A3UX9
 Vol. Injected: 1.0000 ALS Bottle#: 6
 Lims Batch ID: 21324 Lims Sample ID: 7
 Sublist: chrom-8260_9*sub11
 Detector: MS SCAN
 Method: \\Ncchrom\ChromData\A3UX9\20111031-4831.b\8260_9.m
 Last Update: 01-Nov-2011 00:31:45 Calib Date: 31-Oct-2011 22:06:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A3UX9\20111031-4831.b\UX90543.D
 Limit Group: MSV 624 ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-18

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.297	5.294	0.003	99	1609239	20.0	
* 2 Chlorobenzene-d5	117	7.960	7.956	0.004	82	1284478	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.184	10.193	-0.009	67	754527	20.0	
\$ 5 Dibromofluoromethane (Surr)	113	4.729	4.738	-0.009	55	910053	0	
\$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.025	5.022	0.003	61	1044746	39.3	
\$ 7 Toluene-d8 (Surr)	98	6.646	6.643	0.003	83	3707222	42.1	
\$ 131 4-Bromofluorobenzene (Surr)	95	9.060	9.057	0.003	93	1407305	42.2	
12 Dichlorodifluoromethane	85	1.665	1.661	0.004	98	1142834	43.9	
13 Chloromethane	50	1.795	1.803	-0.008	100	837630	38.8	
14 Vinyl chloride	62	1.901	1.910	-0.009	98	1074214	41.4	
15 Bromomethane	94	2.197	2.205	-0.008	92	771283	42.1	
16 Chloroethane	64	2.304	2.312	-0.008	99	669495	41.1	
18 Trichlorofluoromethane	101	2.517	2.525	-0.008	97	1628554	44.1	
20 Acrolein	56	2.824	2.833	-0.009	92	1121056	403.0	
22 Acetone	43	2.943	2.951	-0.008	35	409818	82.7	
23 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.943	2.951	-0.008	72	1000514	43.2	
21 1,1-Dichloroethene	61	2.943	2.951	-0.008	97	1533107	43.1	
24 Iodomethane	142	3.096	3.105	-0.009	97	1656106	41.0	
26 Carbon disulfide	76	3.144	3.140	0.004	100	2883133	42.6	
27 Acetonitrile	41	3.179	3.188	-0.009	81	774902	0	
28 Methyl acetate	43	3.215	3.211	0.004	95	977144	69.5	
30 Methylene Chloride	49	3.357	3.353	0.004	80	1033450	38.1	
31 2-Methyl-2-propanol	59	3.380	3.377	0.003	84	1335643	804.2	
32 Acrylonitrile	53	3.499	3.507	-0.008	99	555652	80.8	
34 Methyl tert-butyl ether	73	3.534	3.531	0.003	87	2626757	40.6	
33 trans-1,2-Dichloroethene	61	3.534	3.531	0.003	62	1099366	41.3	
35 Hexane	57	3.747	3.756	-0.009	70	722651	0	
36 1,1-Dichloroethane	63	3.877	3.874	0.003	98	1366847	41.5	
37 Vinyl acetate	86	3.901	3.909	-0.008	99	189339	41.0	
42 cis-1,2-Dichloroethene	61	4.351	4.347	0.004	80	1104989	38.5	
41 2-Butanone (MEK)	72	4.351	4.359	-0.008	62	193841	82.7	
43 2,2-Dichloropropane	77	4.351	4.359	-0.008	57	629161	43.3	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
47 Chlorobromomethane	49	4.540	4.548	-0.008	69	582035	39.9	
48 Tetrahydrofuran	42	4.587	4.584	0.003	48	180323	0	
49 Chloroform	83	4.599	4.608	-0.009	81	1553915	41.1	
50 1,1,1-Trichloroethane	97	4.765	4.773	-0.008	93	1098039	44.4	
51 Cyclohexane	56	4.824	4.832	-0.008	77	1096288	43.6	
52 1,1-Dichloropropene	75	4.895	4.903	-0.008	91	1153742	43.8	
53 Carbon tetrachloride	117	4.907	4.903	0.004	71	989360	45.6	
55 Benzene	78	5.073	5.081	-0.008	93	3518818	41.7	
56 1,2-Dichloroethane	62	5.084	5.081	0.003	60	1218834	42.2	
60 Trichloroethene	130	5.605	5.601	0.004	92	1056087	42.4	
63 Methylcyclohexane	55	5.771	5.779	-0.008	87	731605	42.9	
62 1,2-Dichloropropane	63	5.794	5.791	0.003	83	756871	40.6	
66 1,4-Dioxane	88	5.901	5.897	0.004	62	542844	0	
65 Dibromomethane	174	5.901	5.897	0.004	86	657187	40.8	
67 Dichlorobromomethane	83	6.019	6.016	0.003	97	1155333	42.3	
69 2-Chloroethyl vinyl ether	63	6.256	6.264	-0.008	94	1006734	86.3	
70 cis-1,3-Dichloropropene	75	6.398	6.406	-0.008	90	1354134	42.0	
71 4-Methyl-2-pentanone (MIBK)	43	6.528	6.524	0.004	94	1193135	83.2	
72 Toluene	91	6.705	6.702	0.003	86	4198743	43.9	
73 trans-1,3-Dichloropropene	75	6.883	6.891	-0.008	87	1304157	44.4	
74 Ethyl methacrylate	69	6.954	6.950	0.004	65	1095379	47.5	
75 1,1,2-Trichloroethane	97	7.060	7.057	0.003	91	818668	42.3	
77 Tetrachloroethene	166	7.202	7.199	0.003	87	1054188	42.8	
76 1,3-Dichloropropane	76	7.214	7.211	0.003	88	1425803	41.7	
78 2-Hexanone	43	7.262	7.270	-0.008	66	827227	86.0	
79 Chlorodibromomethane	129	7.415	7.424	-0.009	86	922086	43.8	
123 Ethylene Dibromide	107	7.534	7.530	0.004	99	873776	42.6	
82 Chlorobenzene	112	7.983	7.980	0.003	96	2830017	41.9	
83 1,1,1,2-Tetrachloroethane	131	8.054	8.051	0.003	80	940325	42.5	
84 Ethylbenzene	106	8.078	8.075	0.003	97	1479277	43.9	
10 m-Xylene & p-Xylene	106	8.185	8.181	0.004	96	3762472	90.7	
85 o-Xylene	106	8.563	8.560	0.003	87	1808160	43.3	
86 Styrene	104	8.575	8.572	0.003	94	3238535	45.8	
87 Bromoform	173	8.753	8.761	-0.008	95	630748	43.3	
88 Isopropylbenzene	105	8.906	8.903	0.003	93	4396131	45.7	
90 1,1,2,2-Tetrachloroethane	83	9.190	9.187	0.003	96	1089241	40.2	
91 Bromobenzene	156	9.214	9.210	0.004	88	1294646	40.9	
92 1,2,3-Trichloropropane	110	9.238	9.234	0.004	66	406694	38.6	
93 trans-1,4-Dichloro-2-butene	53	9.238	9.246	-0.008	61	294225	40.0	
94 N-Propylbenzene	120	9.309	9.305	0.004	89	1194015	42.1	
95 2-Chlorotoluene	126	9.391	9.400	-0.009	96	1113328	41.5	
96 1,3,5-Trimethylbenzene	105	9.474	9.471	0.003	90	3620842	43.1	
104 4-Chlorotoluene	126	9.498	9.494	0.004	97	1208187	41.3	
97 tert-Butylbenzene	119	9.794	9.790	0.004	74	3226613	42.8	
98 1,2,4-Trimethylbenzene	105	9.841	9.838	0.003	70	3816240	41.8	
99 sec-Butylbenzene	105	10.007	10.003	0.004	93	4235496	44.1	
100 1,3-Dichlorobenzene	146	10.125	10.122	0.003	93	2353125	40.9	
101 4-Isopropyltoluene	119	10.149	10.145	0.004	86	3791048	44.2	
102 1,4-Dichlorobenzene	146	10.208	10.216	-0.008	95	2481751	40.1	
105 n-Butylbenzene	91	10.551	10.548	0.003	94	3113041	45.2	
106 1,2-Dichlorobenzene	146	10.587	10.583	0.004	99	2326206	40.6	
107 1,2-Dibromo-3-Chloropropane	157	11.356	11.352	0.004	87	249339	38.4	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
108 1,3,5-Trichlorobenzene	180	11.569	11.565	0.004	97	1555193	0	
109 1,2,4-Trichlorobenzene	180	12.184	12.181	0.004	94	1392079	37.9	
110 Hexachlorobutadiene	225	12.350	12.346	0.004	94	610607	36.8	
111 Naphthalene	128	12.433	12.429	0.004	96	3714036	38.3	
112 1,2,3-Trichlorobenzene	180	12.681	12.689	-0.008	95	1152157	35.2	
S 11 1,2-Dichloroethene, Total	96				0		79.7	
S 9 1,3-Dichloropropene, Total	75				0		86.4	
S 114 Xylenes, Total	106				0		134.0	

Report Date: 01-Nov-2011 00:31:45

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Ncchrom\ChromData\A3UX9\20111031-4831.b\UX90537.D

Injection Date: 31-Oct-2011 19:31:30

Limit Group: MSV 624 ICAL

Client ID:

Instrument ID: A3UX9

Lims Batch ID: 21324

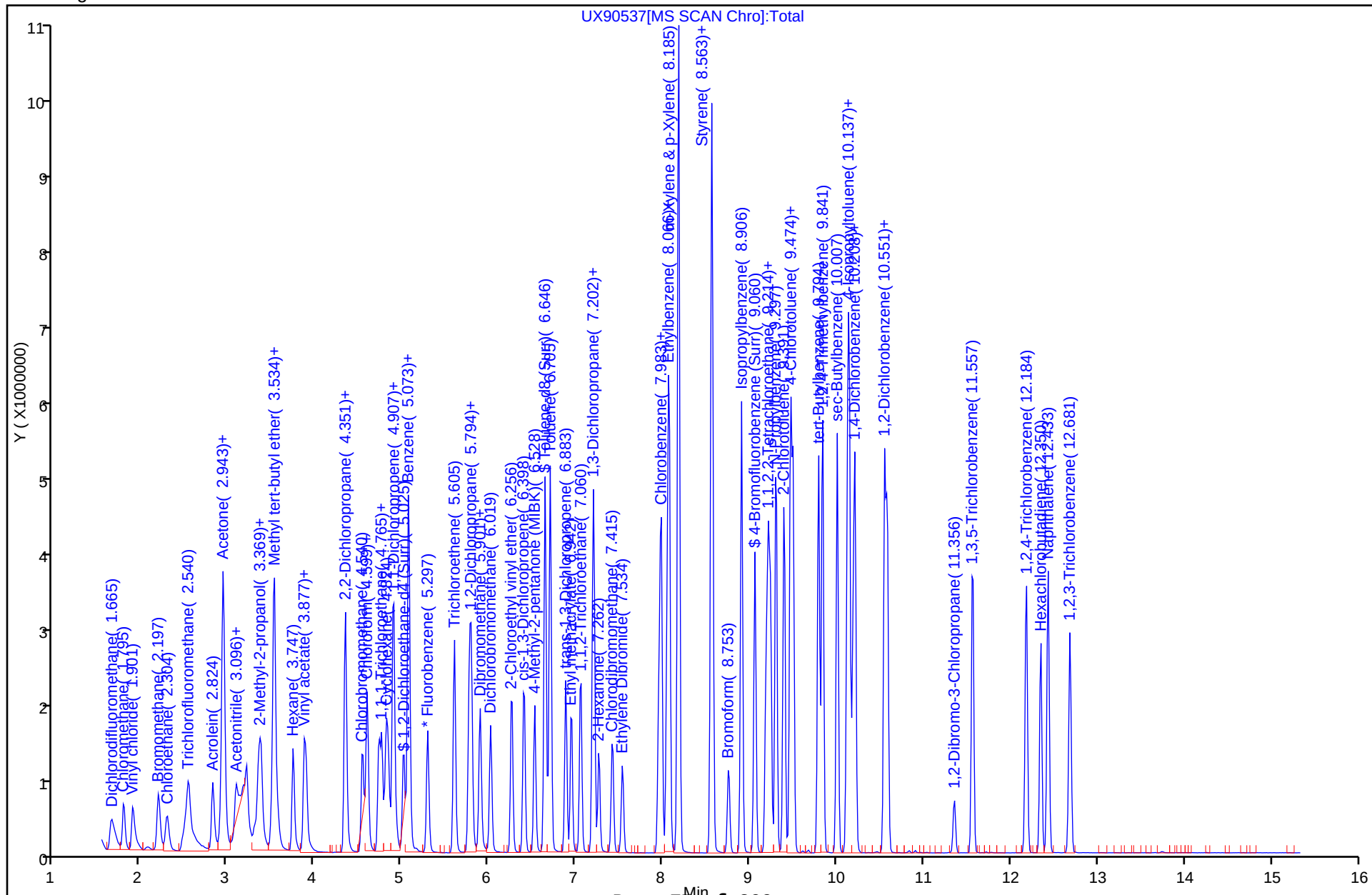
Lims Sample ID: 7

Operator ID: 1903

Column Type: DB-624

Column Dia: 0.18 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX9\20111031-4831.b\UX90538.D
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 Inject. Date: 31-Oct-2011 19:56:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: 240-0004831-008
 Misc. Info.:
 Operator: 1903 Instrument ID: A3UX9
 Vol. Injected: 1.0000 ALS Bottle#: 7
 Lims Batch ID: 21324 Lims Sample ID: 8
 Sublist: chrom-8260_9*sub11
 Detector: MS SCAN
 Method: \\Ncchrom\ChromData\A3UX9\20111031-4831.b\8260_9.m
 Last Update: 01-Nov-2011 00:31:46 Calib Date: 31-Oct-2011 22:06:30
 Quant Method: Internal Standard Quant By: Initial Calibration
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 Limit Group: MSV 624 ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-18

First Level Reviewer: laveyt

Date: 31-Oct-2011 20:32:10

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.296	5.294	0.002	99	1685208	20.0	
* 2 Chlorobenzene-d5	117	7.958	7.956	0.002	84	1372998	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.183	10.193	-0.010	58	776509	20.0	
\$ 5 Dibromofluoromethane (Surr)	113	4.728	4.738	-0.010	57	1825827	0	
\$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.024	5.022	0.002	89	2180781	78.4	
\$ 7 Toluene-d8 (Surr)	98	6.645	6.643	0.002	78	7753578	82.3	
\$ 131 4-Bromofluorobenzene (Surr)	95	9.059	9.057	0.002	91	2867497	80.4	
12 Dichlorodifluoromethane	85	1.663	1.661	0.002	98	2284862	83.9	
13 Chloromethane	50	1.793	1.803	-0.010	99	1626691	71.9	
14 Vinyl chloride	62	1.900	1.910	-0.010	98	2186605	80.6	
15 Bromomethane	94	2.196	2.205	-0.009	90	1703108	88.7	
16 Chloroethane	64	2.290	2.312	-0.022	88	1473828	86.5	
18 Trichlorofluoromethane	101	2.515	2.525	-0.010	97	3383983	87.4	
20 Acrolein	56	2.823	2.833	-0.010	94	2333107	800.9	
22 Acetone	43	2.941	2.951	-0.010	30	824313	162.3	
23 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.941	2.951	-0.010	73	2020939	83.2	
21 1,1-Dichloroethene	61	2.941	2.951	-0.010	88	3170123	85.0	
24 Iodomethane	142	3.095	3.105	-0.010	97	3352989	79.2	
26 Carbon disulfide	76	3.142	3.140	0.002	99	5938606	83.7	
27 Acetonitrile	41	3.178	3.188	-0.010	89	1520023	0	
28 Methyl acetate	43	3.213	3.211	0.002	95	2053711	139.4	
30 Methylene Chloride	49	3.355	3.353	0.002	75	2100184	73.9	
31 2-Methyl-2-propanol	59	3.391	3.377	0.014	83	2703781	1554.5	
32 Acrylonitrile	53	3.497	3.507	-0.010	99	1112683	154.5	
34 Methyl tert-butyl ether	73	3.533	3.531	0.002	91	5506019	81.3	
33 trans-1,2-Dichloroethene	61	3.533	3.531	0.002	61	2248493	80.6	
35 Hexane	57	3.746	3.756	-0.010	90	1498986	0	
36 1,1-Dichloroethane	63	3.876	3.874	0.002	98	2707664	78.6	
37 Vinyl acetate	86	3.900	3.909	-0.009	99	396828	82.0	
42 cis-1,2-Dichloroethene	61	4.349	4.347	0.002	74	2302720	76.5	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
41 2-Butanone (MEK)	72	4.349	4.359	-0.010	62	394201	161.8	
43 2,2-Dichloropropane	77	4.349	4.359	-0.010	56	1259187	82.7	
47 Chlorobromomethane	49	4.539	4.548	-0.009	71	1198674	78.5	
48 Tetrahydrofuran	42	4.586	4.584	0.002	49	364266	0	
49 Chloroform	83	4.598	4.608	-0.010	82	3182966	80.4	
50 1,1,1-Trichloroethane	97	4.763	4.773	-0.010	95	2197201	84.8	
51 Cyclohexane	56	4.823	4.832	-0.009	79	2221311	84.3	
52 1,1-Dichloropropene	75	4.894	4.903	-0.009	90	2364705	85.7	
53 Carbon tetrachloride	117	4.905	4.903	0.002	68	2044517	90.1	
55 Benzene	78	5.071	5.081	-0.010	93	7270822	82.3	
56 1,2-Dichloroethane	62	5.083	5.081	0.002	59	2501902	82.7	
60 Trichloroethene	130	5.603	5.601	0.002	90	2158056	82.7	
63 Methylcyclohexane	55	5.769	5.779	-0.010	82	1504421	84.2	
62 1,2-Dichloropropane	63	5.793	5.791	0.002	85	1546126	79.2	
66 1,4-Dioxane	88	5.899	5.897	0.002	58	1107216	0	
65 Dibromomethane	174	5.899	5.897	0.002	86	1359757	80.7	
67 Dichlorobromomethane	83	6.018	6.016	0.002	97	2371514	82.8	
69 2-Chloroethyl vinyl ether	63	6.266	6.264	0.002	87	2097301	171.8	
70 cis-1,3-Dichloropropene	75	6.408	6.406	0.002	91	2847183	84.3	
71 4-Methyl-2-pentanone (MIBK)	43	6.526	6.524	0.002	95	2497443	166.3	
72 Toluene	91	6.704	6.702	0.002	88	8753684	85.6	
73 trans-1,3-Dichloropropene	75	6.881	6.891	-0.010	93	2733091	87.1	
74 Ethyl methacrylate	69	6.952	6.950	0.002	79	2330334	94.6	
75 1,1,2-Trichloroethane	97	7.059	7.057	0.002	90	1691602	81.7	
77 Tetrachloroethene	166	7.201	7.199	0.002	93	2150188	81.6	
76 1,3-Dichloropropane	76	7.213	7.211	0.002	88	2963994	81.1	
78 2-Hexanone	43	7.260	7.270	-0.010	66	1780305	173.1	
79 Chlorodibromomethane	129	7.426	7.424	0.002	87	1983303	88.1	
123 Ethylene Dibromide	107	7.532	7.530	0.002	97	1831195	83.6	
82 Chlorobenzene	112	7.982	7.980	0.002	90	5822537	80.7	
83 1,1,1,2-Tetrachloroethane	131	8.053	8.051	0.002	89	2007458	84.8	
84 Ethylbenzene	106	8.077	8.075	0.002	97	3067500	85.1	
10 m-Xylene & p-Xylene	106	8.183	8.181	0.002	96	7965383	179.6	
85 o-Xylene	106	8.562	8.560	0.002	89	3790133	84.9	
86 Styrene	104	8.574	8.572	0.002	94	7001883	92.6	
87 Bromoform	173	8.763	8.761	0.002	86	1375614	88.3	
88 Isopropylbenzene	105	8.905	8.903	0.002	89	9336639	90.8	
90 1,1,2,2-Tetrachloroethane	83	9.189	9.187	0.002	92	2282651	81.8	
91 Bromobenzene	156	9.212	9.210	0.002	90	2700517	82.9	
92 1,2,3-Trichloropropane	110	9.236	9.234	0.002	66	856752	78.9	
93 trans-1,4-Dichloro-2-butene	53	9.236	9.246	-0.010	61	649871	85.7	
94 N-Propylbenzene	120	9.307	9.305	0.002	92	2442270	83.6	
95 2-Chlorotoluene	126	9.402	9.400	0.002	96	2273287	82.4	
96 1,3,5-Trimethylbenzene	105	9.473	9.471	0.002	93	7739260	89.4	
104 4-Chlorotoluene	126	9.496	9.494	0.002	98	2505958	83.3	
97 tert-Butylbenzene	119	9.792	9.790	0.002	75	6750324	86.9	
98 1,2,4-Trimethylbenzene	105	9.840	9.838	0.002	72	8085283	86.1	
99 sec-Butylbenzene	105	10.005	10.003	0.002	81	9061575	91.8	
100 1,3-Dichlorobenzene	146	10.124	10.122	0.002	95	4967935	83.8	
101 4-Isopropyltoluene	119	10.147	10.145	0.002	90	8200267	93.0	
102 1,4-Dichlorobenzene	146	10.206	10.216	-0.010	95	5176078	81.2	
105 n-Butylbenzene	91	10.550	10.548	0.002	94	6576318	92.8	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
106 1,2-Dichlorobenzene	146	10.585	10.583	0.002	98	4877700	82.7	
107 1,2-Dibromo-3-Chloropropane	157	11.354	11.352	0.002	86	564959	84.5	
108 1,3,5-Trichlorobenzene	180	11.567	11.565	0.002	97	3251504	0	
109 1,2,4-Trichlorobenzene	180	12.183	12.181	0.003	93	3025172	80.1	
110 Hexachlorobutadiene	225	12.348	12.346	0.002	94	1285313	75.2	
111 Naphthalene	128	12.431	12.429	0.002	96	8584902	85.9	
112 1,2,3-Trichlorobenzene	180	12.680	12.689	-0.009	96	2547658	75.6	
S 11 1,2-Dichloroethene, Total	96				0		157.1	
S 9 1,3-Dichloropropene, Total	75				0		171.4	
S 114 Xylenes, Total	106				0		264.6	

Report Date: 01-Nov-2011 00:31:46

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Ncchrom\ChromData\A3UX9\20111031-4831.b\UX90538.D

Injection Date: 31-Oct-2011 19:56:30

Limit Group: MSV 624 ICAL

Client ID:

Instrument ID: A3UX9

Lims Batch ID: 21324

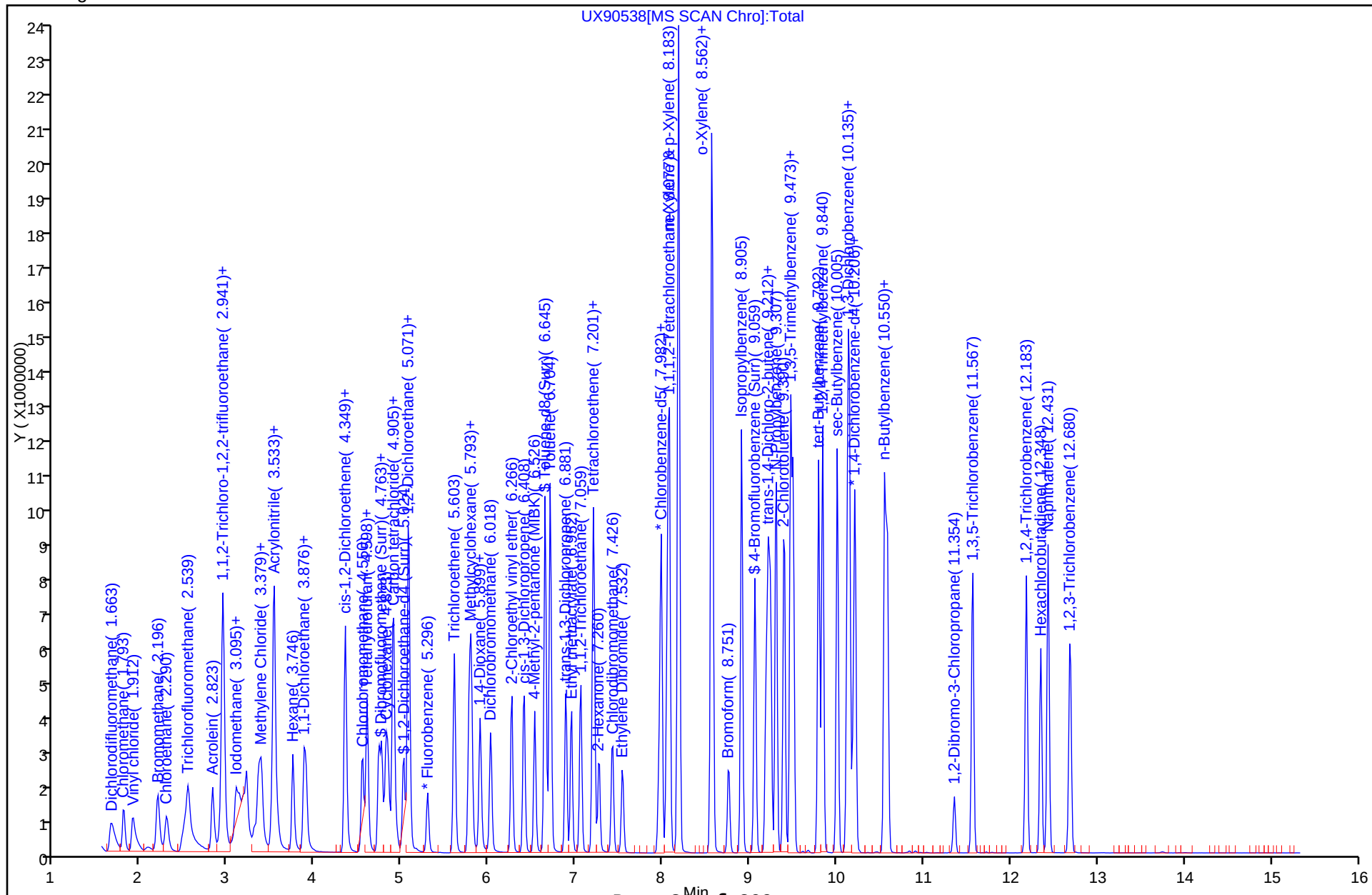
Lims Sample ID: 8

Operator ID: 1903

Column Type: DB-624

Column Dia: 0.18 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-10641-1

SDG No.: _____

Lab Sample ID: CCVIS 240-42571/2 Calibration Date: 05/02/2012 17:44

Instrument ID: A3UX9 Calib Start Date: 10/31/2011 17:54

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 10/31/2011 19:56

Lab File ID: UX931630.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3234	0.2957		0.0183	0.0200	-8.6	
Chloromethane	Ave	0.2686	0.2683		0.0200	0.0200	-0.0	99.0
Vinyl chloride	Ave	0.3221	0.2981		0.0185	0.0200	-7.5	96.0
Bromomethane	Ave	0.2278	0.2004		0.0176	0.0200	-12.0	86.0
Chloroethane	Ave	0.2023	0.1977		0.0195	0.0200	-2.3	62.0
Trichlorofluoromethane	Ave	0.4594	0.4119		0.0179	0.0200	-10.3	52.0
Acrolein	Ave	0.0346	0.0462		0.267	0.200	33.6	
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2881	0.2637		0.0183	0.0200	-8.5	
1,1-Dichloroethene	Ave	0.4424	0.4164		0.0188	0.0200	-5.9	49.0
Acetone	Lin1		0.0772		0.0487	0.0400	21.8	
Iodomethane	Ave	0.5024	0.4425		0.0176	0.0200	-11.9	
Carbon disulfide	Ave	0.8420	0.8282		0.0197	0.0200	-1.6	
Methyl acetate	Ave	0.1748	0.1820		0.0416	0.0400	4.1	
Methylene Chloride	Ave	0.3371	0.3147		0.0187	0.0200	-6.6	39.0
2-Methyl-2-propanol	Ave	0.0206	0.0226		0.437	0.400	9.3	
Acrylonitrile	Ave	0.0855	0.0982		0.0460	0.0400	14.9	
Methyl tert-butyl ether	Ave	0.8037	0.7748		0.0193	0.0200	-3.6	
trans-1,2-Dichloroethene	Ave	0.3311	0.3187		0.0192	0.0200	-3.8	30.0
1,1-Dichloroethane	Ave	0.4089	0.4038		0.0197	0.0200	-1.3	27.0
Vinyl acetate	Ave	0.0574	0.0608		0.0212	0.0200	5.8	
2,2-Dichloropropane	Ave	0.1807	0.1965		0.0217	0.0200	8.7	
2-Butanone (MEK)	Lin1		0.0358		0.0487	0.0400	21.8	
cis-1,2-Dichloroethene	Ave	0.3570	0.3360		0.0188	0.0200	-5.9	
Chlorobromomethane	Ave	0.1812	0.1874		0.0207	0.0200	3.4	
Chloroform	Ave	0.4701	0.4361		0.0186	0.0200	-7.2	33.0
1,1,1-Trichloroethane	Ave	0.3076	0.3117		0.0203	0.0200	1.3	25.0
Cyclohexane	Ave	0.3128	0.3257		0.0208	0.0200	4.1	
1,1-Dichloropropene	Ave	0.3276	0.3374		0.0206	0.0200	3.0	
Carbon tetrachloride	Ave	0.2694	0.2720		0.0202	0.0200	1.0	27.0
Benzene	Ave	1.049	1.028		0.0196	0.0200	-2.0	36.0
1,2-Dichloroethane	Ave	0.3590	0.3399		0.0189	0.0200	-5.3	32.0
Trichloroethene	Ave	0.3096	0.2942		0.0190	0.0200	-5.0	33.0
Methylcyclohexane	Ave	0.2122	0.1893		0.0178	0.0200	-10.8	
1,2-Dichloropropane	Ave	0.2316	0.2295		0.0198	0.0200	-0.9	66.0
Dibromomethane	Ave	0.2000	0.1963		0.0196	0.0200	-1.8	
Dichlorobromomethane	Ave	0.3397	0.3109		0.0183	0.0200	-8.5	
2-Chloroethyl vinyl ether	Ave	0.1449	0.1747		0.0482	0.0400	20.5	99.0
cis-1,3-Dichloropropene	Ave	0.4008	0.3653		0.0182	0.0200	-8.9	76.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1783	0.2338		0.0525	0.0400	31.1	
Toluene	Ave	1.490	1.524		0.0205	0.0200	2.3	26.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-10641-1
 SDG No.: _____
 Lab Sample ID: CCVIS 240-42571/2 Calibration Date: 05/02/2012 17:44
 Instrument ID: A3UX9 Calib Start Date: 10/31/2011 17:54
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 10/31/2011 19:56
 Lab File ID: UX931630.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
trans-1,3-Dichloropropene	Ave	0.4572	0.4444		0.0194	0.0200	-2.8	50.0
Ethyl methacrylate	Ave	0.3590	0.4692		0.0261	0.0200	30.7	
1,1,2-Trichloroethane	Ave	0.3015	0.3246		0.0215	0.0200	7.7	29.0
Tetrachloroethene	Ave	0.3839	0.3593		0.0187	0.0200	-6.4	26.0
1,3-Dichloropropane	Ave	0.5326	0.5692		0.0214	0.0200	6.9	
2-Hexanone	Ave	0.1498	0.2196		0.0586	0.0400	46.6	
Chlorodibromomethane	Ave	0.3280	0.3016		0.0184	0.0200	-8.0	33.0
Ethylene Dibromide	Ave	0.3190	0.3361		0.0211	0.0200	5.3	
Chlorobenzene	Ave	1.051	1.012		0.0193	0.0200	-3.7	34.0
1,1,1,2-Tetrachloroethane	Ave	0.3448	0.3143		0.0182	0.0200	-8.8	
Ethylbenzene	Ave	0.5251	0.5092		0.0194	0.0200	-3.0	41.0
m-Xylene & p-Xylene	Ave	0.6459	0.6362		0.0394	0.0400	-1.5	
o-Xylene	Ave	0.6499	0.6201		0.0191	0.0200	-4.6	
Styrene	Ave	1.101	1.121		0.0204	0.0200	1.8	
Bromoform	Ave	0.2269	0.1758		0.0155	0.0200	-22.5	29.0
Isopropylbenzene	Ave	1.499	1.422		0.0190	0.0200	-5.1	
1,1,2,2-Tetrachloroethane	Ave	0.7184	0.8942		0.0249	0.0200	24.5	39.0
Bromobenzene	Ave	0.8393	0.8882		0.0212	0.0200	5.8	
1,2,3-Trichloropropane	Ave	0.2796	0.3302		0.0236	0.0200	18.1	
trans-1,4-Dichloro-2-butene	Ave	0.1952	0.0972		0.00995	0.0200	-50.2	
N-Propylbenzene	Ave	0.7524	0.7343		0.0195	0.0200	-2.4	
2-Chlorotoluene	Ave	0.7104	0.7081		0.0199	0.0200	-0.3	
1,3,5-Trimethylbenzene	Ave	2.229	2.223		0.0199	0.0200	-0.3	
4-Chlorotoluene	Ave	0.7747	0.7670		0.0198	0.0200	-1.0	
tert-Butylbenzene	Ave	2.000	1.969		0.0197	0.0200	-1.6	
1,2,4-Trimethylbenzene	Ave	2.418	2.321		0.0192	0.0200	-4.0	
sec-Butylbenzene	Ave	2.544	2.566		0.0202	0.0200	0.9	
1,3-Dichlorobenzene	Ave	1.526	1.488		0.0195	0.0200	-2.5	27.0
4-Isopropyltoluene	Ave	2.272	2.245		0.0198	0.0200	-1.2	
1,4-Dichlorobenzene	Ave	1.641	1.543		0.0188	0.0200	-6.0	37.0
n-Butylbenzene	Ave	1.825	1.814		0.0199	0.0200	-0.6	
1,2-Dichlorobenzene	Ave	1.519	1.471		0.0194	0.0200	-3.1	37.0
1,2-Dibromo-3-Chloropropane	Ave	0.1721	0.1621		0.0188	0.0200	-5.8	
1,2,4-Trichlorobenzene	Ave	0.9727	0.7902		0.0162	0.0200	-18.8	
Hexachlorobutadiene	Ave	0.4401	0.3667		0.0167	0.0200	-16.7	
Naphthalene	Ave	2.574	2.250		0.0175	0.0200	-12.6	
1,2,3-Trichlorobenzene	Ave	0.8679	0.6588		0.0152	0.0200	-24.1	
1,2-Dichloroethane-d4 (Surr)	Ave	0.3301	0.2830		0.0171	0.0200	-14.3	20.0
Toluene-d8 (Surr)	Ave	1.372	1.292		0.0188	0.0200	-5.9	
4-Bromofluorobenzene (Surr)	Ave	0.5194	0.4767		0.0184	0.0200	-8.2	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX9\20120502-9623.b\UX931630.D
 Lims ID: CCVIS L4 8260 Client ID:
 Inject. Date: 02-May-2012 17:44:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: 240-0009623-002
 Misc. Info.:
 Operator: 1904 Instrument ID: A3UX9
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 42571 Lims Sample ID: 2
 Sublist: chrom-8260_9*sub11
 Detector: MS SCAN
 Method: \\Ncchrom\ChromData\A3UX9\20120502-9623.b\8260_9.m
 Last Update: 02-May-2012 20:27:08 Calib Date: 04-Jan-2012 21:08:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A3UX9\20120104-6517.b\UX91746.D
 Limit Group: MSV 624 ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-18

First Level Reviewer: laveyt

Date: 02-May-2012 20:25:02

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.295	5.295	0.0	100	1638687	20.0	
* 2 Chlorobenzene-d5	117	7.957	7.957	0.0	81	1257233	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.182	10.182	0.0	92	652234	20.0	
\$ 5 Dibromofluoromethane (Surr)	113	4.727	4.727	0.0	57	385195	0	
\$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.022	5.022	0.0	89	463668	17.1	
\$ 7 Toluene-d8 (Surr)	98	6.644	6.644	0.0	93	1623828	18.8	
\$ 131 4-Bromofluorobenzene (Surr)	95	9.057	9.057	0.0	94	599330	18.4	
12 Dichlorodifluoromethane	85	1.650	1.650	0.0	98	484579	18.3	
13 Chloromethane	50	1.804	1.804	0.0	99	439660	20.0	
14 Vinyl chloride	62	1.910	1.910	0.0	98	488498	18.5	
15 Bromomethane	94	2.206	2.206	0.0	89	328433	17.6	
16 Chloroethane	64	2.301	2.301	0.0	98	323897	19.5	
18 Trichlorofluoromethane	101	2.502	2.502	0.0	95	675007	17.9	
20 Acrolein	56	2.822	2.822	0.0	94	757008	267.2	
21 1,1-Dichloroethene	61	2.940	2.940	0.0	98	682379	18.8	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.940	2.940	0.0	83	432183	18.3	
22 Acetone	43	2.952	2.952	0.0	100	253131	48.7	
24 Iodomethane	142	3.094	3.094	0.0	97	725148	17.6	
26 Carbon disulfide	76	3.129	3.129	0.0	98	1357083	19.7	
27 Acetonitrile	41	3.177	3.177	0.0	98	435138	0	
28 Methyl acetate	43	3.212	3.212	0.0	95	596310	41.6	
30 Methylene Chloride	49	3.342	3.342	0.0	81	515709	18.7	
31 2-Methyl-2-propanol	59	3.378	3.378	0.0	99	739407	437.2	
32 Acrylonitrile	53	3.508	3.508	0.0	99	321863	46.0	
33 trans-1,2-Dichloroethene	61	3.532	3.532	0.0	90	522182	19.2	
34 Methyl tert-butyl ether	73	3.532	3.532	0.0	88	1269692	19.3	
35 Hexane	57	3.745	3.745	0.0	87	358451	0	
36 1,1-Dichloroethane	63	3.875	3.875	0.0	98	661667	19.7	
37 Vinyl acetate	86	3.898	3.898	0.0	99	99620	21.2	
43 2,2-Dichloropropane	77	4.348	4.348	0.0	67	321968	21.7	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
41 2-Butanone (MEK)	72	4.348	4.348	0.0	91	117400	48.7	
42 cis-1,2-Dichloroethene	61	4.348	4.348	0.0	79	550649	18.8	
47 Chlorobromomethane	49	4.537	4.537	0.0	69	307076	20.7	
48 Tetrahydrofuran	42	4.585	4.585	0.0	84	120520	0	
49 Chloroform	83	4.597	4.597	0.0	84	714695	18.6	
50 1,1,1-Trichloroethane	97	4.762	4.762	0.0	92	510692	20.3	
51 Cyclohexane	56	4.821	4.821	0.0	83	533667	20.8	
52 1,1-Dichloropropene	75	4.892	4.892	0.0	96	552872	20.6	
53 Carbon tetrachloride	117	4.904	4.904	0.0	79	445703	20.2	
55 Benzene	78	5.070	5.070	0.0	94	1684916	19.6	
56 1,2-Dichloroethane	62	5.082	5.082	0.0	97	556966	18.9	
60 Trichloroethene	130	5.602	5.602	0.0	95	482121	19.0	
63 Methylcyclohexane	55	5.768	5.768	0.0	86	310215	17.8	
62 1,2-Dichloropropane	63	5.792	5.792	0.0	93	376152	19.8	
65 Dibromomethane	174	5.898	5.898	0.0	87	321630	19.6	
66 1,4-Dioxane	88	5.898	5.898	0.0	49	278377	0	
67 Dichlorobromomethane	83	6.016	6.016	0.0	99	509484	18.3	
69 2-Chloroethyl vinyl ether	63	6.265	6.265	0.0	91	572512	48.2	
70 cis-1,3-Dichloropropene	75	6.407	6.407	0.0	91	598631	18.2	
71 4-Methyl-2-pentanone (MIBK)	43	6.525	6.525	0.0	95	766252	52.5	
72 Toluene	91	6.703	6.703	0.0	91	1916438	20.5	
73 trans-1,3-Dichloropropene	75	6.880	6.880	0.0	88	558715	19.4	
74 Ethyl methacrylate	69	6.951	6.951	0.0	86	589858	26.1	
75 1,1,2-Trichloroethane	97	7.058	7.058	0.0	89	408146	21.5	
77 Tetrachloroethene	166	7.200	7.200	0.0	97	451728	18.7	
76 1,3-Dichloropropane	76	7.212	7.212	0.0	88	715549	21.4	
78 2-Hexanone	43	7.259	7.259	0.0	92	552112	58.6	
79 Chlorodibromomethane	129	7.413	7.413	0.0	89	379230	18.4	
123 Ethylene Dibromide	107	7.531	7.531	0.0	98	422515	21.1	
82 Chlorobenzene	112	7.981	7.981	0.0	96	1272532	19.3	
83 1,1,1,2-Tetrachloroethane	131	8.052	8.052	0.0	89	395150	18.2	
84 Ethylbenzene	106	8.075	8.075	0.0	97	640169	19.4	
10 m-Xylene & p-Xylene	106	8.182	8.182	0.0	96	1599705	39.4	
85 o-Xylene	106	8.561	8.561	0.0	94	779656	19.1	
86 Styrene	104	8.572	8.572	0.0	94	1409069	20.4	
87 Bromoform	173	8.762	8.762	0.0	96	221067	15.5	
88 Isopropylbenzene	105	8.904	8.904	0.0	95	1788332	19.0	
90 1,1,2,2-Tetrachloroethane	83	9.188	9.188	0.0	91	583209	24.9	
91 Bromobenzene	156	9.211	9.211	0.0	88	579328	21.2	
92 1,2,3-Trichloropropane	110	9.235	9.235	0.0	74	215341	23.6	
93 trans-1,4-Dichloro-2-butene	53	9.235	9.235	0.0	55	63364	9.95	
94 N-Propylbenzene	120	9.306	9.306	0.0	96	478937	19.5	
95 2-Chlorotoluene	126	9.389	9.389	0.0	97	461836	19.9	
96 1,3,5-Trimethylbenzene	105	9.472	9.472	0.0	94	1450001	19.9	
104 4-Chlorotoluene	126	9.495	9.495	0.0	97	500266	19.8	
97 tert-Butylbenzene	119	9.791	9.791	0.0	86	1284246	19.7	
98 1,2,4-Trimethylbenzene	105	9.838	9.838	0.0	70	1513574	19.2	
99 sec-Butylbenzene	105	10.004	10.004	0.0	93	1673933	20.2	
100 1,3-Dichlorobenzene	146	10.122	10.122	0.0	94	970236	19.5	
101 4-Isopropyltoluene	119	10.146	10.146	0.0	96	1464097	19.8	
102 1,4-Dichlorobenzene	146	10.205	10.205	0.0	93	1006103	18.8	
105 n-Butylbenzene	91	10.548	10.548	0.0	94	1183370	19.9	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
106 1,2-Dichlorobenzene	146	10.584	10.584	0.0	99	959349	19.4	
107 1,2-Dibromo-3-Chloropropane	157	11.353	11.353	0.0	81	105703	18.8	
108 1,3,5-Trichlorobenzene	180	11.566	11.566	0.0	98	586016	0	
109 1,2,4-Trichlorobenzene	180	12.181	12.181	0.0	93	515366	16.2	
110 Hexachlorobutadiene	225	12.347	12.347	0.0	94	239190	16.7	
111 Naphthalene	128	12.430	12.430	0.0	96	1467454	17.5	
112 1,2,3-Trichlorobenzene	180	12.678	12.678	0.0	96	429716	15.2	
S 11 1,2-Dichloroethene, Total	96				0		38.1	
S 9 1,3-Dichloropropene, Total	75				0		37.7	
S 114 Xylenes, Total	106				0		58.5	

Report Date: 02-May-2012 20:27:09

Chrom Revision: 2.0 08-Feb-2012 11:07:54

Data File: \\Ncchrom\ChromData\A3UX9\20120502-9623.b\UX931630.D

Injection Date: 02-May-2012 17:44:30

Limit Group: MSV 624 ICAL

Client ID:

Instrument ID: A3UX9

Lims Batch ID: 42571

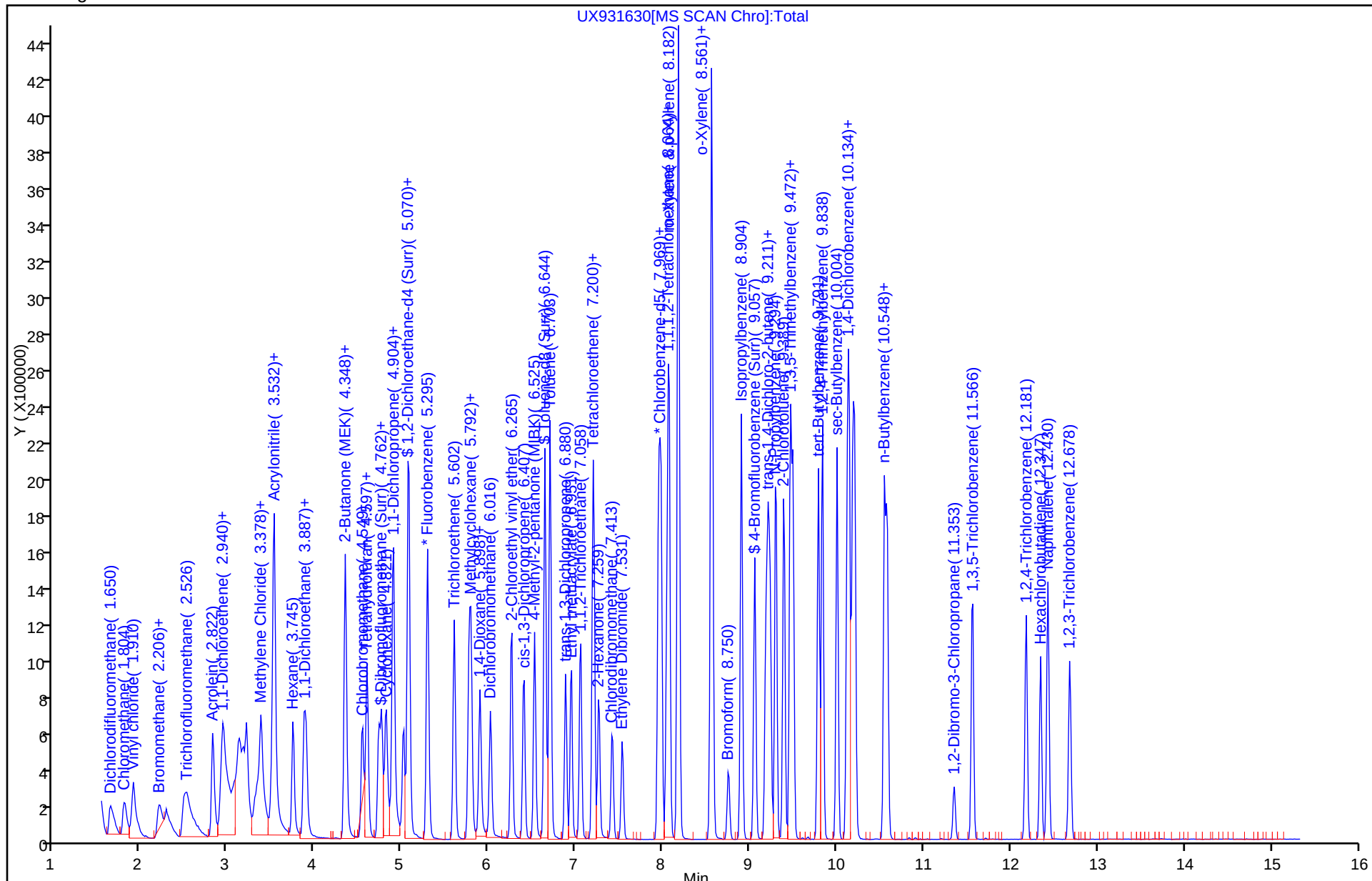
Lims Sample ID: 2

Operator ID: 1904

Column Type: DB-624

Column Dia: 0.18 mm

Y Scaling:



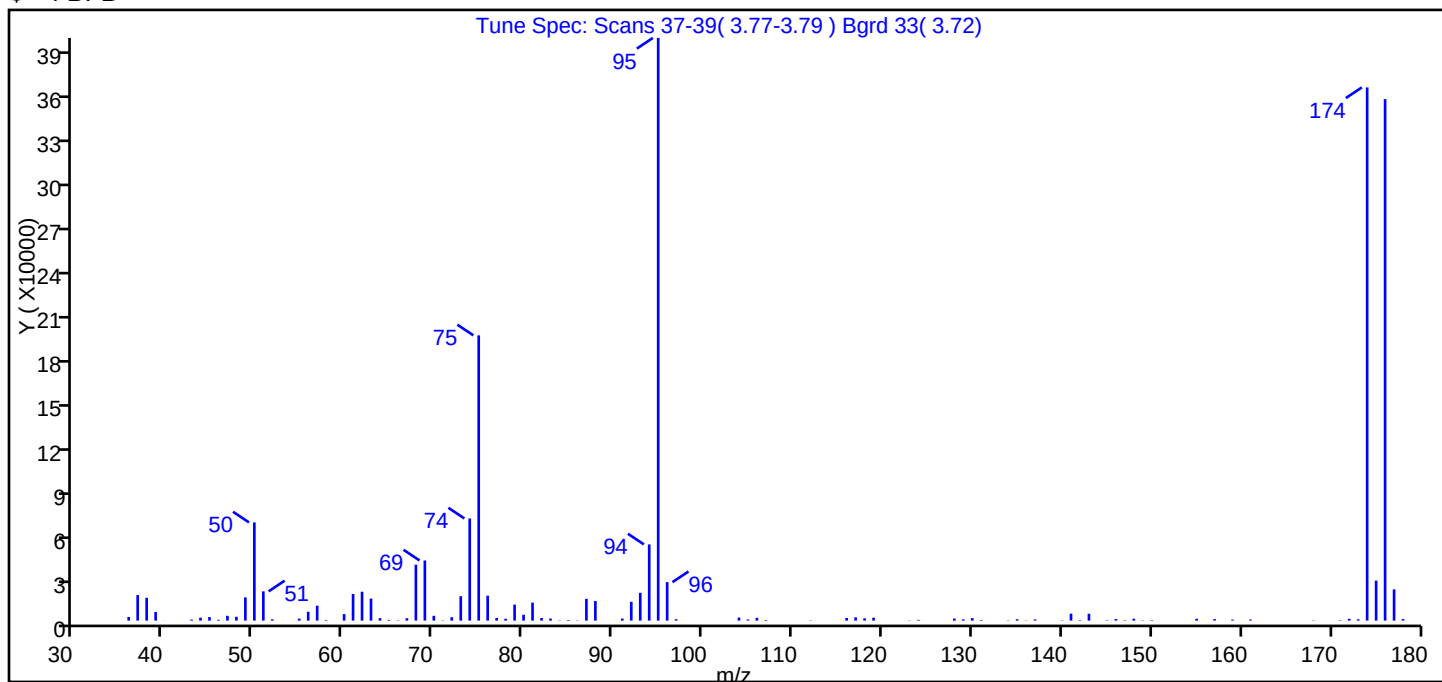
TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX9\20111031-4831.b\BFB1885.D
Lims ID: BFB Client ID:
Inject. Date: 31-Oct-2011 17:28:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: 240-0004831-001
Misc. Info.:
Operator: 1903 Instrument ID: A3UX9
Vol. Injected: 1.0000 ALS Bottle#: 1
Lims Batch ID: 21324 Lims Sample ID: 1
Detector: MS SCAN
Method: \\Ncchrom\ChromData\A3UX9\20111031-4831.b\8260_9.m
Last Update: 01-Nov-2011 15:38:25 Calib Date: 31-Oct-2011 22:06:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX9\20111031-4831.b\UX90543.D
Limit Group: MSV 624 ICAL
Integrator: RTE ID Type: RT Order ID
Process Host: CORP-CTX-15

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
\$ 4 BFB	95	3.781	3.781	0.0	0	1020415	0	

Data File: \\Ncchrom\ChromData\A3UX9\20111031-4831.b\BFB1885.D
Injection Date: 31-Oct-2011 17:28:30 Limit Group: MSV 624 ICAL
Client ID: Instrument ID: A3UX9
Lims Batch ID: 21324 Lims Sample ID: 1
Operator ID: 1903
Column Type: DB-624 Column Dia: 0.18 mm
Tune Method: BFB Method 8260

\$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.85
75	30.00 - 60.00% of mass 95	48.95
96	5.00 - 9.00% of mass 95	6.60
173	Less than 2.00% of mass 174	0.23 (0.25)
174	Greater than 50.00% of mass 95	91.51
175	5.00 - 9.00% of mass 174	6.87 (7.50)
176	95.00 - 101.00% of mass 174	89.49 (97.80)
177	5.00 - 9.00% of mass 176	5.36 (5.99)

Data File: \\Ncchrom\ChromData\A3UX9\20111031-4831.b\BFB1885.D\8260_9.rslt\spectra.d

Injection Date: 31-Oct-2011 17:28:30

Spectrum: Tune Spec: Scans 37-39(3.77-3.79) Bgrd 33(3.72)

Base Peak: 95.00

Minimum % Base Peak: 0

Number of Points: 98

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2484	66.00	242	93.00	18968	140.00	220
37.00	17440	67.00	1631	94.00	52024	141.00	4735
38.00	15569	68.00	38200	95.00	397824	142.00	336
39.00	5893	69.00	41056	96.00	26264	143.00	4675
40.00	65	70.00	3263	97.00	949	145.00	256
43.00	687	71.00	200	104.00	2050	146.00	1052
44.00	1976	72.00	2310	105.00	759	147.00	281
45.00	2407	73.00	16656	106.00	1901	148.00	1292
46.00	575	74.00	69720	107.00	418	149.00	201
47.00	3270	75.00	194752	112.00	192	150.00	346
48.00	2588	76.00	17016	115.00	7	155.00	1261
49.00	15862	77.00	1808	116.00	1801	157.00	1011
50.00	67024	78.00	1223	117.00	2236	159.00	644
51.00	19976	79.00	10911	118.00	1574	161.00	736
52.00	897	80.00	3977	119.00	1986	168.00	177
55.00	1366	81.00	12294	123.00	182	171.00	310
56.00	6035	82.00	1753	124.00	506	172.00	1231
57.00	10177	83.00	1395	128.00	1412	173.00	918
58.00	383	84.00	193	129.00	867	174.00	364032
60.00	4414	85.00	428	130.00	1682	175.00	27312
61.00	18168	86.00	173	131.00	433	176.00	356032
62.00	19728	87.00	14856	134.00	207	177.00	21312
63.00	15033	88.00	13379	135.00	954	178.00	1044
64.00	1652	91.00	1407	136.00	169		
65.00	527	92.00	12835	137.00	798		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX9\20120502-9623.b\BFB2032.D
Lims ID: BFB Client ID:
Inject. Date: 02-May-2012 17:20:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: 240-0009623-001
Misc. Info.:
Operator: 1904 Instrument ID: A3UX9
Vol. Injected: 1.0000 ALS Bottle#: 1
Lims Batch ID: 42571 Lims Sample ID: 1
Detector: MS SCAN
Method: \\Ncchrom\ChromData\A3UX9\20120502-9623.b\8260_9.m
Last Update: 02-May-2012 20:27:08 Calib Date: 04-Jan-2012 21:08:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX9\20120104-6517.b\UX91746.D
Limit Group: MSV 624 ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-18

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
\$ 4 BFB	95	3.772	3.772	0.0	0	543949	0	

Data File: \\Ncchrom\ChromData\A3UX9\20120502-9623.b\BFB2032.D

Injection Date: 02-May-2012 17:20:30

Limit Group: MSV 624 ICAL

Client ID:

Instrument ID: A3UX9

Lims Batch ID: 42571

Lims Sample ID: 1

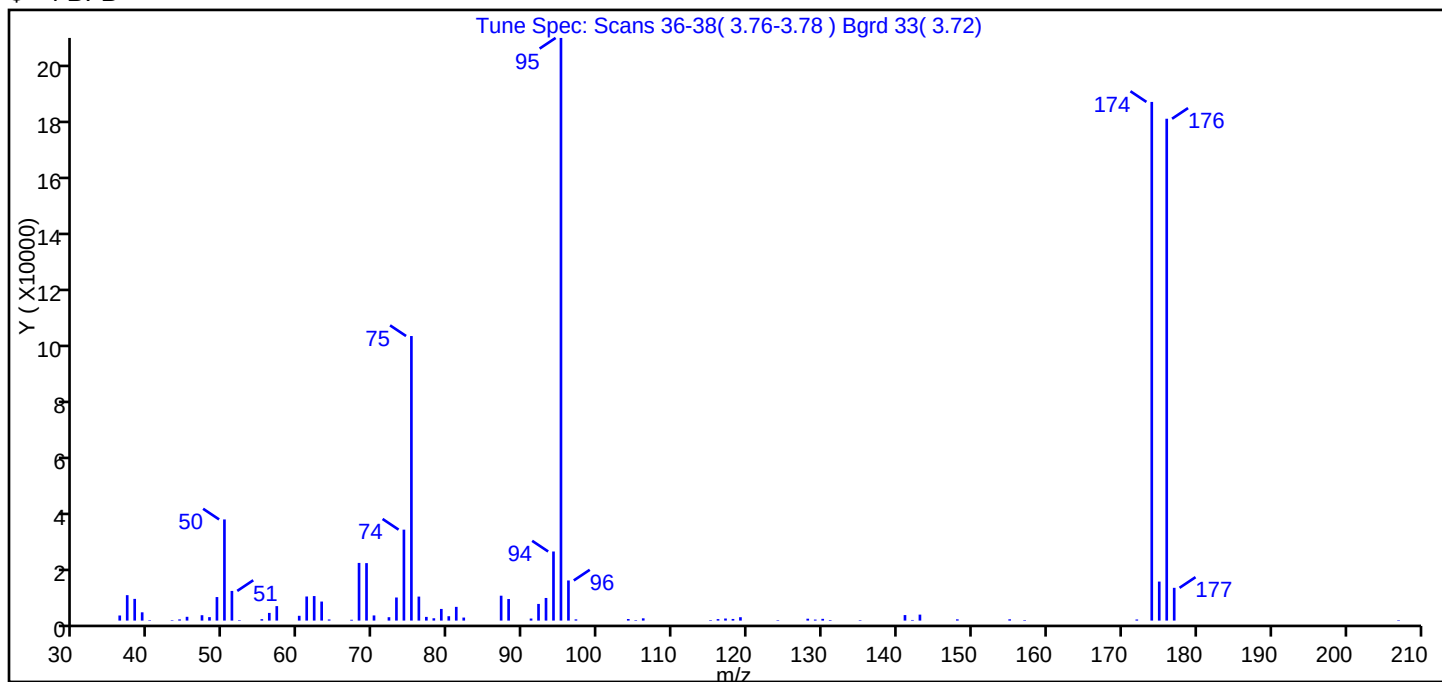
Operator ID: 1904

Column Type: DB-624

Column Dia: 0.18 mm

Tune Method: BFB Method 8260

\$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.36
75	30.00 - 60.00% of mass 95	48.84
96	5.00 - 9.00% of mass 95	6.89
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	89.02
175	5.00 - 9.00% of mass 174	6.70 (7.52)
176	95.00 - 101.00% of mass 174	86.13 (96.76)
177	5.00 - 9.00% of mass 176	5.62 (6.53)

Data File: \\Ncchrom\ChromData\A3UX9\20120502-9623.b\BFB2032.D\8260_9.rslt\spectra.d

Injection Date: 02-May-2012 17:20:30

Spectrum: Tune Spec: Scans 36-38(3.76-3.78) Bgrd 33(3.72)

Base Peak: 95.00

Minimum % Base Peak: 0

Number of Points: 72

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1787	61.00	8439	82.00	1063	124.00	173
37.00	8906	62.00	8590	87.00	8714	128.00	661
38.00	7601	63.00	6665	88.00	7551	129.00	358
39.00	2902	64.00	394	91.00	717	130.00	614
40.00	175	67.00	288	92.00	5837	131.00	205
43.00	174	68.00	20192	93.00	7924	135.00	168
44.00	425	69.00	20120	94.00	24192	141.00	1934
45.00	1329	70.00	1808	95.00	203968	142.00	221
47.00	1884	72.00	1186	96.00	14049	143.00	2093
48.00	1213	73.00	8088	97.00	432	148.00	441
49.00	8241	74.00	31840	104.00	547	155.00	449
50.00	35416	75.00	99616	105.00	190	157.00	186
51.00	10389	76.00	8405	106.00	794	172.00	388
52.00	187	77.00	1297	115.00	196	174.00	181568
55.00	504	78.00	817	116.00	526	175.00	13659
56.00	2692	79.00	4083	117.00	726	176.00	175680
57.00	5068	80.00	1533	118.00	577	177.00	11472
60.00	1681	81.00	4809	119.00	1185	207.00	169

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-10641-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 240-42571/4

Matrix: Water Lab File ID: UX931634.D

Analysis Method: 624 Date Collected: _____

Sample wt/vol: 5(mL) Date Analyzed: 05/02/2012 19:21

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 42571 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.22
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.27
1330-20-7	Xylenes, Total	1.0	U	1.0	0.28
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.15
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.19
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.22
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.18
107-02-8	Acrolein	10	U	10	2.2
107-13-1	Acrylonitrile	10	U	10	2.0
71-43-2	Benzene	1.0	U	1.0	0.13
75-25-2	Bromoform	1.0	U	1.0	0.64
74-83-9	Bromomethane	1.0	U	1.0	0.41
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.13
108-90-7	Chlorobenzene	1.0	U	1.0	0.17
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.18
75-00-3	Chloroethane	1.0	U	1.0	0.29
67-66-3	Chloroform	1.0	U	1.0	0.16
74-87-3	Chloromethane	1.0	U	1.0	0.30
110-75-8	2-Chloroethyl vinyl ether	2.0	U	2.0	0.99
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.14
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.15
100-41-4	Ethylbenzene	1.0	U	1.0	0.17
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.13
127-18-4	Tetrachloroethene	1.0	U	1.0	0.29
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.14
108-88-3	Toluene	1.0	U	1.0	0.13
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.13
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.19
79-01-6	Trichloroethene	1.0	U	1.0	0.17
75-01-4	Vinyl chloride	1.0	U	1.0	0.22
75-09-2	Methylene Chloride	1.0	U	1.0	0.33
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.19
542-75-6	1,3-Dichloropropene, Total	1.0	U	1.0	0.22

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-10641-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 240-42571/4
Matrix: Water Lab File ID: UX931634.D
Analysis Method: 624 Date Collected: _____
Sample wt/vol: 5(mL) Date Analyzed: 05/02/2012 19:21
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 42571 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	86		81-112
17060-07-0	1,2-Dichloroethane-d4 (Surr)	87		80-125
2037-26-5	Toluene-d8 (Surr)	92		84-110

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX9\20120502-9623.b\UX931634.D
 Lims ID: MB Client ID:
 Inject. Date: 02-May-2012 19:21:30 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: 240-0009623-004
 Misc. Info.:
 Operator: 1904 Instrument ID: A3UX9
 Vol. Injected: 1.0000 ALS Bottle#: 6
 Lims Batch ID: 42571 Lims Sample ID: 4
 Detector: MS SCAN
 Method: \\Ncchrom\ChromData\A3UX9\20120502-9623.b\8260_9.m
 Last Update: 02-May-2012 22:55:09 Calib Date: 04-Jan-2012 21:08:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A3UX9\20120104-6517.b\UX91746.D
 Limit Group: MSV 624 ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-15

First Level Reviewer: laveyt

Date: 02-May-2012 20:25:38

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.295	5.295	0.0	100	1568247	20.0	
* 2 Chlorobenzene-d5	117	7.957	7.957	0.0	84	1222433	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.182	10.182	0.0	94	611150	20.0	
\$ 5 Dibromofluoromethane (Surr)	113	4.739	4.727	0.012	58	359452	0	
\$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.023	5.022	0.001	90	450314	17.4	
\$ 7 Toluene-d8 (Surr)	98	6.644	6.644	0.0	93	1544268	18.4	
\$ 131 4-Bromofluorobenzene (Surr)	95	9.058	9.057	0.001	94	543129	17.1	
135 Chlorodifluoromethane TIC	1		0.000					
136 1,4-Dichlorobutane	1		0.000					
12 Dichlorodifluoromethane	85		1.650					
13 Chloromethane	50		1.804					
14 Vinyl chloride	62		1.910					
15 Bromomethane	94		2.206					
16 Chloroethane	64		2.301					
17 Dichlorofluoromethane	67		2.443					
18 Trichlorofluoromethane	101		2.502					
19 Ethyl ether	59		2.715					
20 Acrolein	56		2.822					
25 Methylal	45		2.832					
21 1,1-Dichloroethene	61		2.940					
23 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.940					
22 Acetone	43		2.952					
24 Iodomethane	142		3.094					
26 Carbon disulfide	76		3.129					
27 Acetonitrile	41		3.177					
28 Methyl acetate	43		3.212					
29 3-Chloro-1-propene	41		3.212					
30 Methylene Chloride	49	3.354	3.342	0.012	31	7035	0.2661	
31 2-Methyl-2-propanol	59		3.378					
32 Acrylonitrile	53		3.508					
33 trans-1,2-Dichloroethene	61		3.532					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
34 Methyl tert-butyl ether	73		3.532					
35 Hexane	57		3.745					
36 1,1-Dichloroethane	63		3.875					
37 Vinyl acetate	86		3.898					
38 Isopropyl ether	87		3.910					
39 2-Chloro-1,3-butadiene	53		3.946					
40 Tert-butyl ethyl ether	59		4.206					
43 2,2-Dichloropropane	77		4.348					
41 2-Butanone (MEK)	72		4.348					
42 cis-1,2-Dichloroethene	61		4.348					
45 Ethyl acetate	43		4.384					
44 Propionitrile	54		4.407					
46 Methacrylonitrile	41		4.526					
47 Chlorobromomethane	49		4.537					
48 Tetrahydrofuran	42		4.585					
49 Chloroform	83		4.597					
50 1,1,1-Trichloroethane	97		4.762					
51 Cyclohexane	56		4.821					
52 1,1-Dichloropropene	75		4.892					
53 Carbon tetrachloride	117		4.904					
54 Isobutyl alcohol	41		4.952					
55 Benzene	78		5.070					
56 1,2-Dichloroethane	62		5.082					
57 Tert-amyl methyl ether	73		5.141					
58 n-Heptane	57	5.295	5.271	0.024	82	59186	0	
59 n-Butanol	56		5.496					
60 Trichloroethene	130		5.602					
61 Ethyl acrylate	55		5.605					
63 Methylcyclohexane	55		5.768					
62 1,2-Dichloropropane	63		5.792					
64 Methyl methacrylate	41		5.863					
65 Dibromomethane	174		5.898					
66 1,4-Dioxane	88		5.898					
67 Dichlorobromomethane	83		6.016					
68 2-Nitropropane	41		6.218					
69 2-Chloroethyl vinyl ether	63		6.265					
70 cis-1,3-Dichloropropene	75		6.407					
71 4-Methyl-2-pentanone (MIBK)	43		6.525					
72 Toluene	91		6.703					
73 trans-1,3-Dichloropropene	75		6.880					
74 Ethyl methacrylate	69		6.951					
75 1,1,2-Trichloroethane	97		7.058					
77 Tetrachloroethene	166		7.200					
76 1,3-Dichloropropane	76		7.212					
80 Tetrahydrothiophene	60		7.255					
78 2-Hexanone	43		7.259					
133 n-Butyl acetate	43		7.365					
79 Chlorodibromomethane	129		7.413					
123 Ethylene Dibromide	107		7.531					
81 1-Chlorohexane	91		7.788					
82 Chlorobenzene	112		7.981					
83 1,1,1,2-Tetrachloroethane	131		8.052					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
84 Ethylbenzene	106		8.075					
10 m-Xylene & p-Xylene	106		8.182					
85 o-Xylene	106		8.561					
86 Styrene	104		8.572					
87 Bromoform	173		8.762					
88 Isopropylbenzene	105		8.904					
89 Cyclohexanone	55		9.010					
90 1,1,2,2-Tetrachloroethane	83		9.188					
91 Bromobenzene	156		9.211					
92 1,2,3-Trichloropropane	110		9.235					
93 trans-1,4-Dichloro-2-butene	53		9.235					
94 N-Propylbenzene	120		9.306					
95 2-Chlorotoluene	126		9.389					
96 1,3,5-Trimethylbenzene	105		9.472					
104 4-Chlorotoluene	126		9.495					
97 tert-Butylbenzene	119		9.791					
98 1,2,4-Trimethylbenzene	105		9.838					
99 sec-Butylbenzene	105		10.004					
100 1,3-Dichlorobenzene	146		10.122					
101 4-Isopropyltoluene	119		10.146					
102 1,4-Dichlorobenzene	146		10.205					
103 1,2,3-Trimethylbenzene	105		10.253					
134 Benzyl chloride	126		10.335					
105 n-Butylbenzene	91		10.548					
106 1,2-Dichlorobenzene	146		10.584					
107 1,2-Dibromo-3-Chloropropane	157		11.353					
108 1,3,5-Trichlorobenzene	180		11.566					
109 1,2,4-Trichlorobenzene	180		12.181					
110 Hexachlorobutadiene	225	12.347	12.347	0.0	43	7912	0.5884	
111 Naphthalene	128		12.430					
112 1,2,3-Trichlorobenzene	180		12.678					
113 2-Methylnaphthalene	142	13.744	13.743	0.001	88	156965	3.85	
S 11 1,2-Dichloroethene, Total	96		1.140					
S 9 1,3-Dichloropropene, Total	75		6.760					
S 114 Xylenes, Total	106		16.530					
T 137 Hexachloroethane TIC	166		10.900					1

QC Flag Legend

Processing Flags

1 - Missing Peaks

Report Date: 03-May-2012 15:59:50

Chrom Revision: 2.0 08-Feb-2012 11:07:54

Data File: \\Ncchrom\ChromData\A3UX9\20120502-9623.b\UX931634.D

Injection Date: 02-May-2012 19:21:30

Limit Group: MSV 624 ICAL

Client ID:

Instrument ID: A3UX9

Lims Batch ID: 42571

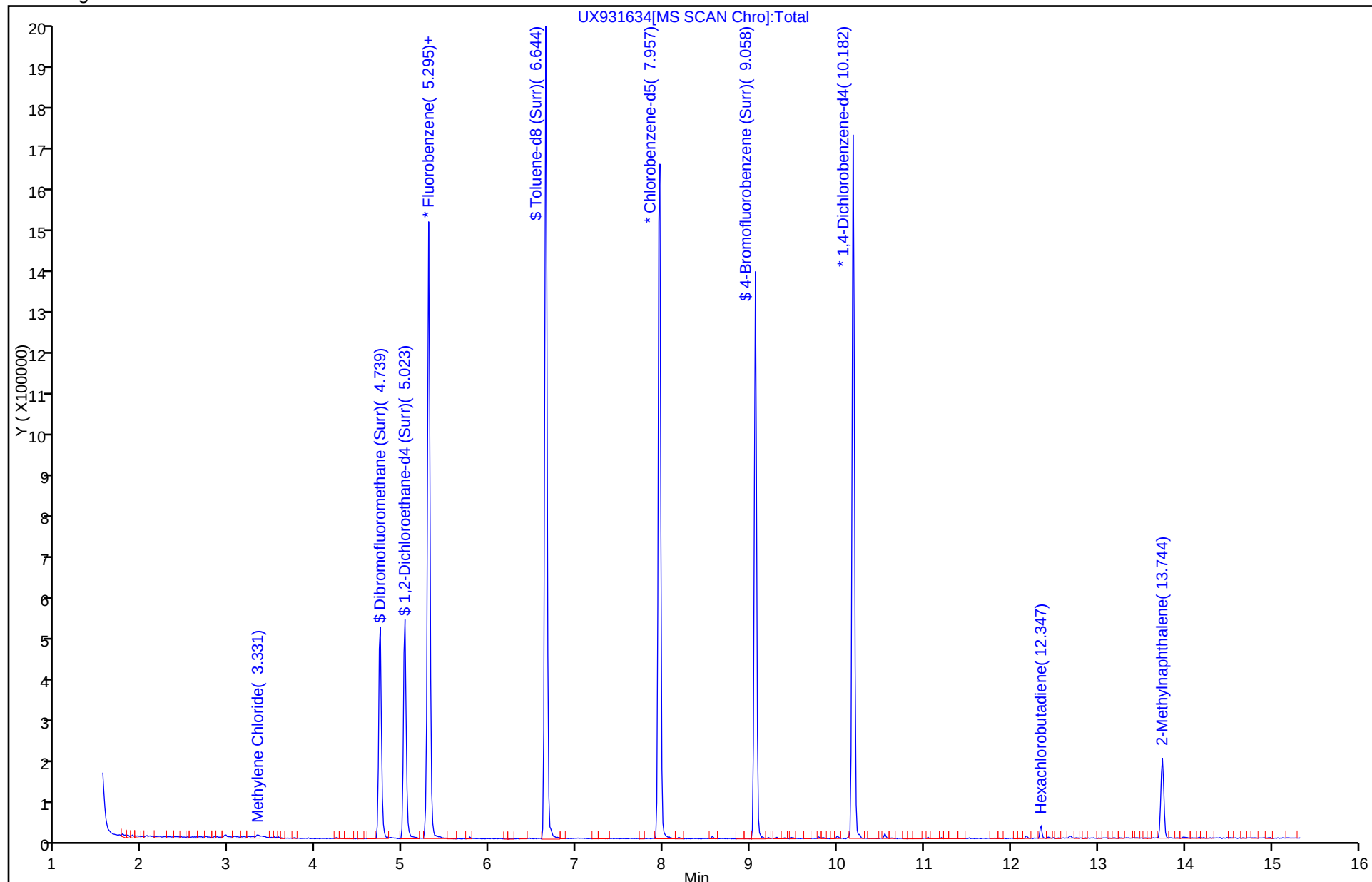
Lims Sample ID: 4

Operator ID: 1904

Column Type: DB-624

Column Dia: 0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-10641-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 240-42571/5

Matrix: Water Lab File ID: UX931631.D

Analysis Method: 624 Date Collected: _____

Sample wt/vol: 5(mL) Date Analyzed: 05/02/2012 18:09

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 42571 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	20.2		1.0	0.22
79-34-5	1,1,2,2-Tetrachloroethane	23.4		1.0	0.18
79-00-5	1,1,2-Trichloroethane	21.4		1.0	0.27
1330-20-7	Xylenes, Total	57.3		1.0	0.28
75-34-3	1,1-Dichloroethane	20.1		1.0	0.15
75-35-4	1,1-Dichloroethene	19.6		1.0	0.19
107-06-2	1,2-Dichloroethane	19.3		1.0	0.22
78-87-5	1,2-Dichloropropane	20.1		1.0	0.18
107-02-8	Acrolein	40.5		10	2.2
107-13-1	Acrylonitrile	69.9		10	2.0
71-43-2	Benzene	19.7		1.0	0.13
75-25-2	Bromoform	15.2		1.0	0.64
74-83-9	Bromomethane	16.5		1.0	0.41
56-23-5	Carbon tetrachloride	19.6		1.0	0.13
108-90-7	Chlorobenzene	19.1		1.0	0.17
124-48-1	Chlorodibromomethane	17.2		1.0	0.18
75-00-3	Chloroethane	18.2		1.0	0.29
67-66-3	Chloroform	18.1		1.0	0.16
74-87-3	Chloromethane	17.6		1.0	0.30
110-75-8	2-Chloroethyl vinyl ether	23.2		2.0	0.99
10061-01-5	cis-1,3-Dichloropropene	17.3		1.0	0.14
75-27-4	Dichlorobromomethane	18.2		1.0	0.15
100-41-4	Ethylbenzene	19.0		1.0	0.17
95-50-1	1,2-Dichlorobenzene	19.1		1.0	0.13
127-18-4	Tetrachloroethene	18.4		1.0	0.29
541-73-1	1,3-Dichlorobenzene	19.3		1.0	0.14
108-88-3	Toluene	19.9		1.0	0.13
106-46-7	1,4-Dichlorobenzene	18.6		1.0	0.13
10061-02-6	trans-1,3-Dichloropropene	18.5		1.0	0.19
79-01-6	Trichloroethene	18.8		1.0	0.17
75-01-4	Vinyl chloride	17.5		1.0	0.22
75-09-2	Methylene Chloride	18.7		1.0	0.33
156-60-5	trans-1,2-Dichloroethene	19.2		1.0	0.19
542-75-6	1,3-Dichloropropene, Total	35.8		1.0	0.22

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-10641-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 240-42571/5
Matrix: Water Lab File ID: UX931631.D
Analysis Method: 624 Date Collected: _____
Sample wt/vol: 5(mL) Date Analyzed: 05/02/2012 18:09
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 42571 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	92		81-112
17060-07-0	1,2-Dichloroethane-d4 (Surr)	86		80-125
2037-26-5	Toluene-d8 (Surr)	94		84-110

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX9\20120502-9623.b\UX931631.D
 Lims ID: LCS Client ID:
 Inject. Date: 02-May-2012 18:09:30 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: 240-0009623-005
 Misc. Info.:
 Operator: 1904 Instrument ID: A3UX9
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 42571 Lims Sample ID: 5
 Detector: MS SCAN
 Method: \\Ncchrom\ChromData\A3UX9\20120502-9623.b\8260_9.m
 Last Update: 02-May-2012 22:55:09 Calib Date: 04-Jan-2012 21:08:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A3UX9\20120104-6517.b\UX91746.D
 Limit Group: MSV 624 ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-15

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.295	5.295	0.0	100	1624734	20.0	
* 2 Chlorobenzene-d5	117	7.957	7.957	0.0	82	1259959	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.182	10.182	0.0	91	667024	20.0	
\$ 5 Dibromofluoromethane (Surr)	113	4.739	4.727	0.012	63	382325	0	
\$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.023	5.022	0.001	88	457754	17.1	
\$ 7 Toluene-d8 (Surr)	98	6.644	6.644	0.0	83	1612793	18.7	
\$ 131 4-Bromofluorobenzene (Surr)	95	9.058	9.057	0.001	93	597320	18.3	
12 Dichlorodifluoromethane	85	1.650	1.650	0.0	98	349571	13.3	
13 Chloromethane	50	1.816	1.804	0.012	100	383917	17.6	
14 Vinyl chloride	62	1.911	1.910	0.001	82	458390	17.5	
15 Bromomethane	94	2.218	2.206	0.012	87	305940	16.5	
16 Chloroethane	64	2.301	2.301	0.0	97	299381	18.2	
18 Trichlorofluoromethane	101	2.502	2.502	0.0	98	709038	19.0	
19 Ethyl ether	59	2.715	2.715	0.0	86	328016	21.6	
20 Acrolein	56	2.822	2.822	0.0	87	113780	40.5	
21 1,1-Dichloroethene	61	2.940	2.940	0.0	97	704635	19.6	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.940	2.940	0.0	68	459460	19.6	
22 Acetone	43	2.952	2.952	0.0	100	249514	48.4	
24 Iodomethane	142	3.094	3.094	0.0	97	742643	18.2	
26 Carbon disulfide	76	3.130	3.129	0.001	98	1273726	18.6	
27 Acetonitrile	41	3.189	3.177	0.012	99	116094	0	
28 Methyl acetate	43	3.212	3.212	0.0	96	343595	24.2	
30 Methylene Chloride	49	3.354	3.342	0.012	79	513301	18.7	
31 2-Methyl-2-propanol	59	3.378	3.378	0.0	100	757924	452.0	
32 Acrylonitrile	53	3.508	3.508	0.0	99	485455	69.9	
33 trans-1,2-Dichloroethene	61	3.532	3.532	0.0	89	516324	19.2	
34 Methyl tert-butyl ether	73	3.532	3.532	0.0	88	1228361	18.8	
35 Hexane	57	3.745	3.745	0.0	89	365347	0	
36 1,1-Dichloroethane	63	3.875	3.875	0.0	99	666999	20.1	
37 Vinyl acetate	86	3.899	3.898	0.001	99	87706	18.8	
38 Isopropyl ether	87	3.910	3.910	0.0	86	389041	0	
43 2,2-Dichloropropane	77	4.348	4.348	0.0	65	313427	21.3	
41 2-Butanone (MEK)	72	4.348	4.348	0.0	90	119018	49.8	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
42 cis-1,2-Dichloroethene	61	4.348	4.348	0.0	79	536444	18.5	
47 Chlorobromomethane	49	4.549	4.537	0.012	82	333258	22.6	
48 Tetrahydrofuran	42	4.585	4.585	0.0	83	120277	0	
49 Chloroform	83	4.597	4.597	0.001	84	690511	18.1	
50 1,1,1-Trichloroethane	97	4.762	4.762	0.0	89	505619	20.2	
51 Cyclohexane	56	4.822	4.821	0.001	84	433294	17.1	
52 1,1-Dichloropropene	75	4.893	4.892	0.001	97	530413	19.9	
53 Carbon tetrachloride	117	4.904	4.904	0.0	81	429404	19.6	
54 Isobutyl alcohol	41	4.952	4.952	0.0	90	659399	1483.2	
55 Benzene	78	5.070	5.070	0.0	94	1675948	19.7	
56 1,2-Dichloroethane	62	5.082	5.082	0.0	95	562146	19.3	
60 Trichloroethene	130	5.603	5.602	0.001	95	473105	18.8	
63 Methylcyclohexane	55	5.768	5.768	0.0	90	313674	18.2	
62 1,2-Dichloropropane	63	5.792	5.792	0.0	93	378394	20.1	
65 Dibromomethane	174	5.898	5.898	0.0	82	340548	21.0	
67 Dichlorobromomethane	83	6.017	6.016	0.001	100	503525	18.2	
69 2-Chloroethyl vinyl ether	63	6.265	6.265	0.0	93	273034	23.2	
70 cis-1,3-Dichloropropene	75	6.407	6.407	0.0	91	563382	17.3	
71 4-Methyl-2-pentanone (MIBK)	43	6.526	6.525	0.001	94	755844	52.2	
72 Toluene	91	6.703	6.703	0.0	97	1868914	19.9	
73 trans-1,3-Dichloropropene	75	6.881	6.880	0.0	92	532782	18.5	
75 1,1,2-Trichloroethane	97	7.058	7.058	0.0	89	406053	21.4	
77 Tetrachloroethene	166	7.200	7.200	0.0	98	443765	18.4	
76 1,3-Dichloropropane	76	7.212	7.212	0.0	89	700232	20.9	
78 2-Hexanone	43	7.259	7.259	0.0	93	557203	59.0	
79 Chlorodibromomethane	129	7.413	7.413	0.0	89	354753	17.2	
123 Ethylene Dibromide	107	7.531	7.531	0.0	99	415191	20.7	
82 Chlorobenzene	112	7.981	7.981	0.0	96	1264259	19.1	
83 1,1,1,2-Tetrachloroethane	131	8.052	8.052	0.0	89	389735	17.9	
84 Ethylbenzene	106	8.076	8.075	0.001	97	628753	19.0	
10 m-Xylene & p-Xylene	106	8.182	8.182	0.0	96	1561690	38.4	
85 o-Xylene	106	8.561	8.561	0.001	94	773608	18.9	
86 Styrene	104	8.573	8.572	0.001	94	1396561	20.1	
87 Bromoform	173	8.750	8.762	-0.012	98	217835	15.2	
88 Isopropylbenzene	105	8.904	8.904	0.0	95	1753141	18.6	
89 Cyclohexanone	55	9.010	9.010	0.0	89	349546	0	
90 1,1,2,2-Tetrachloroethane	83	9.188	9.188	0.0	95	561395	23.4	
91 Bromobenzene	156	9.212	9.211	0.001	86	564429	20.2	
92 1,2,3-Trichloropropane	110	9.235	9.235	0.0	75	213727	22.9	
93 trans-1,4-Dichloro-2-butene	53	9.235	9.235	0.0	63	104869	16.1	
94 N-Propylbenzene	120	9.306	9.306	0.0	96	483540	19.3	
95 2-Chlorotoluene	126	9.389	9.389	0.0	97	459783	19.4	
96 1,3,5-Trimethylbenzene	105	9.472	9.472	0.0	93	1449344	19.5	
104 4-Chlorotoluene	126	9.496	9.495	0.001	97	490715	19.0	
97 tert-Butylbenzene	119	9.791	9.791	0.0	87	1274903	19.1	
98 1,2,4-Trimethylbenzene	105	9.839	9.838	0.001	70	1496395	18.6	
99 sec-Butylbenzene	105	10.004	10.004	0.0	92	1655966	19.5	
100 1,3-Dichlorobenzene	146	10.123	10.122	0.001	93	982246	19.3	
101 4-Isopropyltoluene	119	10.146	10.146	0.0	93	1514146	20.0	
102 1,4-Dichlorobenzene	146	10.206	10.205	0.001	93	1019152	18.6	
103 1,2,3-Trimethylbenzene	105	10.253	10.253	0.0	87	1598763	0	
105 n-Butylbenzene	91	10.549	10.548	0.001	94	1225603	20.1	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
106 1,2-Dichlorobenzene	146	10.584	10.584	0.0	98	967925	19.1	
107 1,2-Dibromo-3-Chloropropane	157	11.353	11.353	0.0	82	110771	19.3	
109 1,2,4-Trichlorobenzene	180	12.182	12.181	0.001	94	529984	16.3	
110 Hexachlorobutadiene	225	12.347	12.347	0.0	93	252562	17.2	
111 Naphthalene	128	12.430	12.430	0.0	96	1532521	17.9	
112 1,2,3-Trichlorobenzene	180	12.679	12.678	0.001	94	475756	16.4	
S 11 1,2-Dichloroethene, Total	96				0		37.7	
S 114 Xylenes, Total	106				0		57.3	

Report Date: 03-May-2012 15:59:51

Chrom Revision: 2.0 08-Feb-2012 11:07:54

Data File: \\Ncchrom\ChromData\A3UX9\20120502-9623.b\UX931631.D

Injection Date: 02-May-2012 18:09:30

Limit Group: MSV 624 ICAL

Client ID:

Instrument ID: A3UX9

Lims Batch ID: 42571

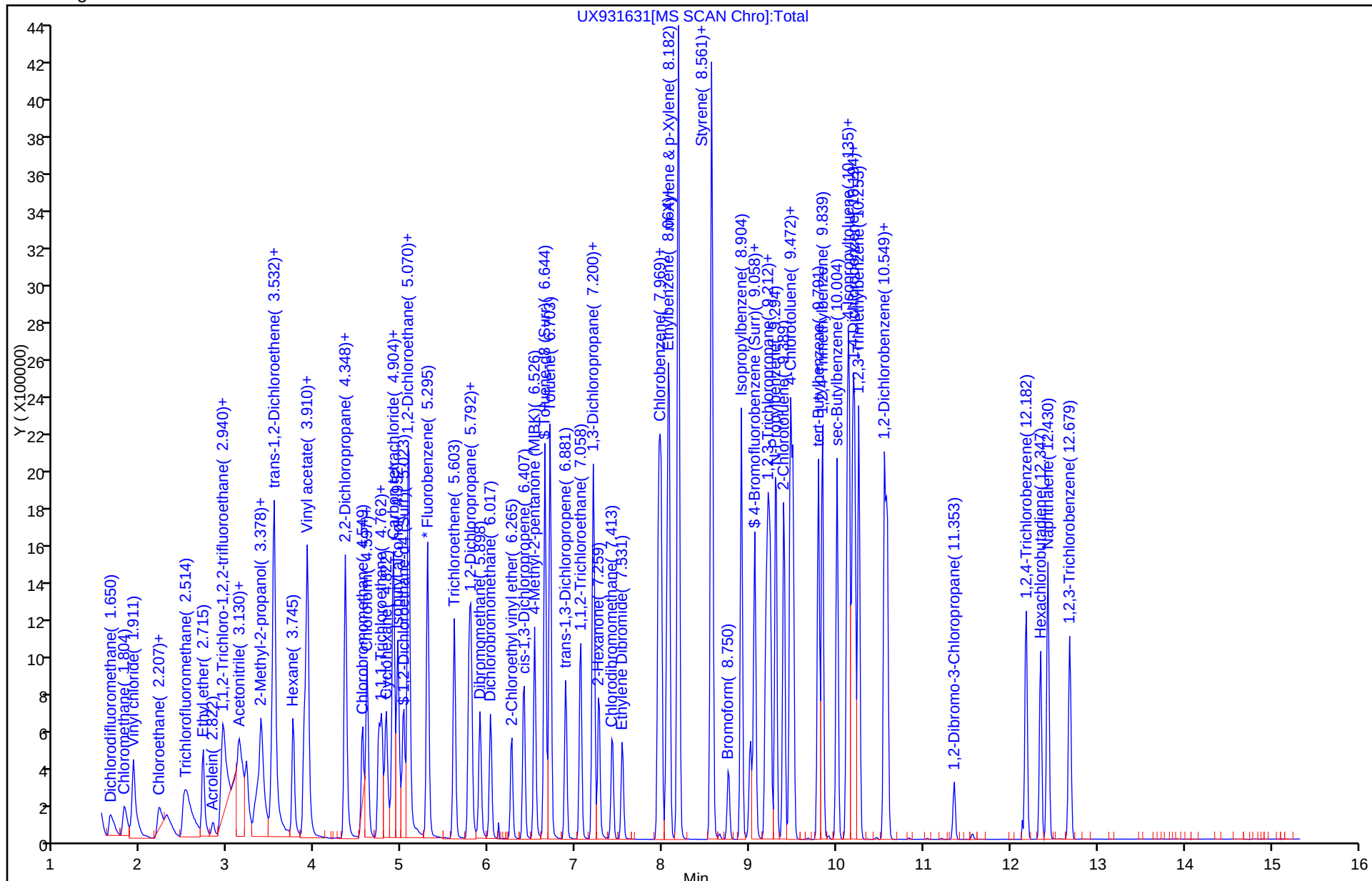
Lims Sample ID: 5

Operator ID: 1904

Column Type: DB-624

Column Dia: 0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-10641-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 240-42571/6
 Matrix: Water Lab File ID: UX931632.D
 Analysis Method: 624 Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 05/02/2012 18:34
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 42571 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	20.6		1.0	0.22
79-34-5	1,1,2,2-Tetrachloroethane	23.4		1.0	0.18
79-00-5	1,1,2-Trichloroethane	21.9		1.0	0.27
1330-20-7	Xylenes, Total	57.8		1.0	0.28
75-34-3	1,1-Dichloroethane	20.7		1.0	0.15
75-35-4	1,1-Dichloroethene	19.5		1.0	0.19
107-06-2	1,2-Dichloroethane	19.2		1.0	0.22
78-87-5	1,2-Dichloropropane	20.4		1.0	0.18
107-02-8	Acrolein	35.5		10	2.2
107-13-1	Acrylonitrile	63.2		10	2.0
71-43-2	Benzene	19.6		1.0	0.13
75-25-2	Bromoform	15.0		1.0	0.64
74-83-9	Bromomethane	17.4		1.0	0.41
56-23-5	Carbon tetrachloride	20.4		1.0	0.13
108-90-7	Chlorobenzene	19.0		1.0	0.17
124-48-1	Chlorodibromomethane	17.4		1.0	0.18
75-00-3	Chloroethane	19.3		1.0	0.29
67-66-3	Chloroform	17.8		1.0	0.16
74-87-3	Chloromethane	17.8		1.0	0.30
110-75-8	2-Chloroethyl vinyl ether	23.2		2.0	0.99
10061-01-5	cis-1,3-Dichloropropene	17.8		1.0	0.14
75-27-4	Dichlorobromomethane	18.4		1.0	0.15
100-41-4	Ethylbenzene	19.2		1.0	0.17
95-50-1	1,2-Dichlorobenzene	19.3		1.0	0.13
127-18-4	Tetrachloroethene	18.7		1.0	0.29
541-73-1	1,3-Dichlorobenzene	19.2		1.0	0.14
108-88-3	Toluene	20.1		1.0	0.13
106-46-7	1,4-Dichlorobenzene	18.8		1.0	0.13
10061-02-6	trans-1,3-Dichloropropene	19.0		1.0	0.19
79-01-6	Trichloroethene	18.8		1.0	0.17
75-01-4	Vinyl chloride	18.1		1.0	0.22
75-09-2	Methylene Chloride	19.1		1.0	0.33
156-60-5	trans-1,2-Dichloroethene	18.8		1.0	0.19
542-75-6	1,3-Dichloropropene, Total	36.8		1.0	0.22

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-10641-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCSD 240-42571/6
Matrix: Water Lab File ID: UX931632.D
Analysis Method: 624 Date Collected: _____
Sample wt/vol: 5(mL) Date Analyzed: 05/02/2012 18:34
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 42571 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	92		81-112
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		80-125
2037-26-5	Toluene-d8 (Surr)	93		84-110

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX9\20120502-9623.b\UX931632.D
 Lims ID: LCSD Client ID:
 Inject. Date: 02-May-2012 18:34:30 Dil. Factor: 1.0000
 Sample Type: LCSD
 Sample ID: 240-0009623-006
 Misc. Info.:
 Operator: 1904 Instrument ID: A3UX9
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 42571 Lims Sample ID: 6
 Detector: MS SCAN
 Method: \\Ncchrom\ChromData\A3UX9\20120502-9623.b\8260_9.m
 Last Update: 02-May-2012 20:27:09 Calib Date: 04-Jan-2012 21:08:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A3UX9\20120104-6517.b\UX91746.D
 Limit Group: MSV 624 ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-18

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.297	5.295	0.002	100	1604788	20.0	
* 2 Chlorobenzene-d5	117	7.948	7.957	-0.009	85	1246002	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.184	10.182	0.002	92	665903	20.0	
\$ 5 Dibromofluoromethane (Surr)	113	4.729	4.727	0.002	58	371412	0	
\$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.013	5.022	-0.009	90	476360	18.0	
\$ 7 Toluene-d8 (Surr)	98	6.646	6.644	0.002	91	1581176	18.5	
\$ 131 4-Bromofluorobenzene (Surr)	95	9.060	9.057	0.003	94	595974	18.4	
12 Dichlorodifluoromethane	85	1.653	1.650	0.003	96	358459	13.8	
13 Chloromethane	50	1.818	1.804	0.014	99	382862	17.8	
14 Vinyl chloride	62	1.913	1.910	0.003	98	467724	18.1	
15 Bromomethane	94	2.209	2.206	0.003	89	317178	17.4	
16 Chloroethane	64	2.304	2.301	0.003	98	313342	19.3	
18 Trichlorofluoromethane	101	2.505	2.502	0.003	97	733394	19.9	
19 Ethyl ether	59	2.718	2.715	0.003	86	319662	21.3	
20 Acrolein	56	2.824	2.822	0.002	90	98467	35.5	
21 1,1-Dichloroethene	61	2.942	2.940	0.002	97	690729	19.5	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.942	2.940	0.002	63	432605	18.7	
22 Acetone	43	2.954	2.952	0.002	98	207737	40.2	
24 Iodomethane	142	3.096	3.094	0.002	97	744252	18.5	
26 Carbon disulfide	76	3.132	3.129	0.003	98	1284451	19.0	
27 Acetonitrile	41	3.191	3.177	0.014	98	126113	0	
28 Methyl acetate	43	3.215	3.212	0.003	96	335795	23.9	
30 Methylene Chloride	49	3.345	3.342	0.003	83	515717	19.1	
31 2-Methyl-2-propanol	59	3.380	3.378	0.002	98	712691	430.3	
32 Acrylonitrile	53	3.510	3.508	0.002	99	433090	63.2	
33 trans-1,2-Dichloroethene	61	3.534	3.532	0.002	88	500073	18.8	
34 Methyl tert-butyl ether	73	3.534	3.532	0.002	89	1172452	18.2	
35 Hexane	57	3.747	3.745	0.002	90	367083	0	
36 1,1-Dichloroethane	63	3.877	3.875	0.002	99	679426	20.7	
37 Vinyl acetate	86	3.901	3.898	0.003	100	82567	17.9	
38 Isopropyl ether	87	3.913	3.910	0.003	83	384236	0	
43 2,2-Dichloropropane	77	4.351	4.348	0.003	65	313378	21.6	
41 2-Butanone (MEK)	72	4.351	4.348	0.003	84	110125	46.6	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
42 cis-1,2-Dichloroethene	61	4.351	4.348	0.003	80	544334	19.0	
47 Chlorobromomethane	49	4.540	4.537	0.003	87	278728	19.2	
48 Tetrahydrofuran	42	4.587	4.585	0.002	80	112452	0	
49 Chloroform	83	4.599	4.597	0.003	93	671433	17.8	
50 1,1,1-Trichloroethane	97	4.765	4.762	0.003	91	508834	20.6	
51 Cyclohexane	56	4.812	4.821	-0.009	84	426403	17.0	
52 1,1-Dichloropropene	75	4.895	4.892	0.003	95	532957	20.3	
53 Carbon tetrachloride	117	4.907	4.904	0.003	85	440840	20.4	
54 Isobutyl alcohol	41	4.954	4.952	0.002	90	645321	1467.8	
55 Benzene	78	5.072	5.070	0.002	94	1645754	19.6	
56 1,2-Dichloroethane	62	5.084	5.082	0.002	96	552157	19.2	
60 Trichloroethene	130	5.605	5.602	0.003	95	466802	18.8	
63 Methylcyclohexane	55	5.771	5.768	0.002	87	309915	18.2	
62 1,2-Dichloropropane	63	5.794	5.792	0.002	93	379976	20.4	
65 Dibromomethane	174	5.901	5.898	0.003	80	328764	20.5	
67 Dichlorobromomethane	83	6.019	6.016	0.003	99	502862	18.4	
69 2-Chloroethyl vinyl ether	63	6.256	6.265	-0.009	92	270290	23.2	
70 cis-1,3-Dichloropropene	75	6.398	6.407	-0.009	90	573124	17.8	
71 4-Methyl-2-pentanone (MIBK)	43	6.528	6.525	0.003	94	765692	53.5	
72 Toluene	91	6.705	6.703	0.002	98	1865235	20.1	
73 trans-1,3-Dichloropropene	75	6.883	6.880	0.003	92	540265	19.0	
75 1,1,2-Trichloroethane	97	7.048	7.058	-0.010	92	411485	21.9	
77 Tetrachloroethene	166	7.202	7.200	0.002	97	448363	18.7	
76 1,3-Dichloropropane	76	7.214	7.212	0.002	89	697244	21.0	
78 2-Hexanone	43	7.261	7.259	0.002	93	543582	58.2	
79 Chlorodibromomethane	129	7.415	7.413	0.002	89	356202	17.4	
123 Ethylene Dibromide	107	7.534	7.531	0.003	98	419198	21.1	
82 Chlorobenzene	112	7.983	7.981	0.002	96	1246938	19.0	
83 1,1,1,2-Tetrachloroethane	131	8.054	8.052	0.002	88	378370	17.6	
84 Ethylbenzene	106	8.078	8.075	0.003	97	627570	19.2	
10 m-Xylene & p-Xylene	106	8.184	8.182	0.002	96	1561458	38.8	
85 o-Xylene	106	8.563	8.561	0.003	94	769337	19.0	
86 Styrene	104	8.563	8.572	-0.009	93	1403324	20.5	
87 Bromoform	173	8.752	8.762	-0.010	96	211742	15.0	
88 Isopropylbenzene	105	8.906	8.904	0.002	95	1771924	19.0	
89 Cyclohexanone	55	9.001	9.010	-0.009	89	355317	0	
90 1,1,2,2-Tetrachloroethane	83	9.190	9.188	0.002	94	559115	23.4	
91 Bromobenzene	156	9.214	9.211	0.003	85	554854	19.9	
92 1,2,3-Trichloropropane	110	9.238	9.235	0.003	72	207760	22.3	
93 trans-1,4-Dichloro-2-butene	53	9.238	9.235	0.003	58	97426	15.0	
94 N-Propylbenzene	120	9.297	9.306	-0.009	97	488650	19.5	
95 2-Chlorotoluene	126	9.391	9.389	0.002	97	451482	19.1	
96 1,3,5-Trimethylbenzene	105	9.462	9.472	-0.010	80	1456045	19.6	
104 4-Chlorotoluene	126	9.498	9.495	0.003	97	487446	18.9	
97 tert-Butylbenzene	119	9.794	9.791	0.003	79	1223897	18.4	
98 1,2,4-Trimethylbenzene	105	9.841	9.838	0.003	95	1513194	18.8	
99 sec-Butylbenzene	105	10.007	10.004	0.003	93	1707830	20.2	
100 1,3-Dichlorobenzene	146	10.125	10.122	0.003	91	978041	19.2	
101 4-Isopropyltoluene	119	10.149	10.146	0.003	94	1540390	20.4	
102 1,4-Dichlorobenzene	146	10.208	10.205	0.003	94	1026278	18.8	
103 1,2,3-Trimethylbenzene	105	10.255	10.253	0.002	87	1610044	0	
105 n-Butylbenzene	91	10.551	10.548	0.003	94	1258973	20.7	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
106 1,2-Dichlorobenzene	146	10.575	10.584	-0.009	97	975330	19.3	
107 1,2-Dibromo-3-Chloropropane	157	11.356	11.353	0.003	84	112041	19.5	
109 1,2,4-Trichlorobenzene	180	12.184	12.181	0.003	92	569532	17.6	
110 Hexachlorobutadiene	225	12.350	12.347	0.003	93	274627	18.7	
111 Naphthalene	128	12.432	12.430	0.002	96	1581407	18.5	
112 1,2,3-Trichlorobenzene	180	12.681	12.678	0.003	96	511010	17.7	
S 11 1,2-Dichloroethene, Total	96				0		37.8	
S 114 Xylenes, Total	106				0		57.8	

Report Date: 02-May-2012 20:27:10

Chrom Revision: 2.0 08-Feb-2012 11:07:54

Data File: \\Ncchrom\ChromData\A3UX9\20120502-9623.b\UX931632.D

Injection Date: 02-May-2012 18:34:30

Limit Group: MSV 624 ICAL

Client ID:

Instrument ID: A3UX9

Lims Batch ID: 42571

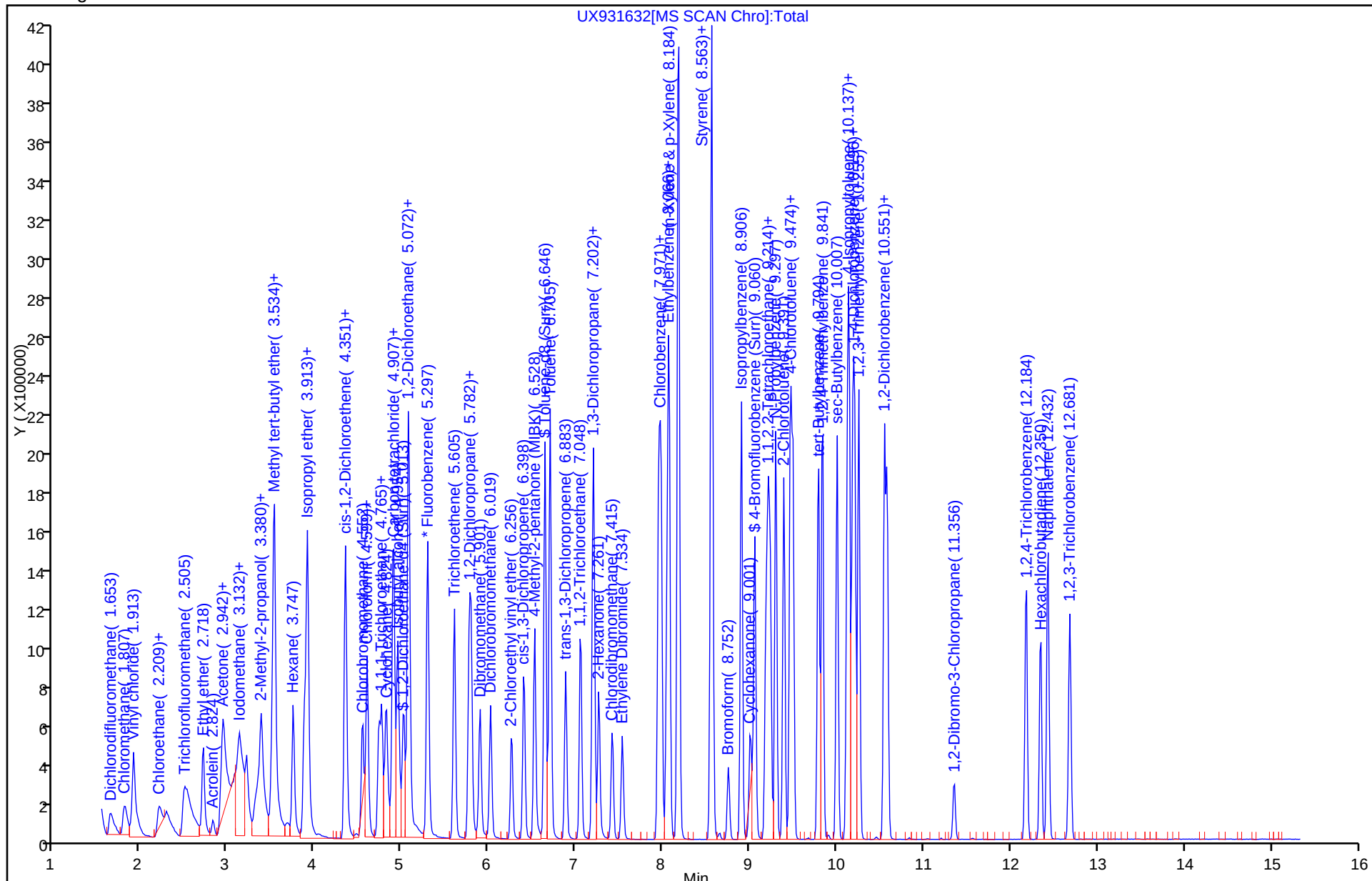
Lims Sample ID: 6

Operator ID: 1904

Column Type: DB-624

Column Dia: 0.18 mm

Y Scaling:



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica CantonJob No.: 240-10641-1

SDG No.: _____

Instrument ID: A3UX9Start Date: 10/31/2011 17:28Analysis Batch Number: 21324End Date: 11/01/2011 15:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-21324/1		10/31/2011 17:28	1	BFB1885.D	DB-624 0.18 (mm)
STD8260 240-21324/3 IC		10/31/2011 17:54	1	UX90533.D	DB-624 0.18 (mm)
STD8260 240-21324/4 IC		10/31/2011 18:18	1	UX90534.D	DB-624 0.18 (mm)
STD8260 240-21324/5 IC		10/31/2011 18:42	1	UX90535.D	DB-624 0.18 (mm)
STD8260 240-21324/6 ICIS		10/31/2011 19:06	1	UX90536.D	DB-624 0.18 (mm)
STD8260 240-21324/7 IC		10/31/2011 19:31	1	UX90537.D	DB-624 0.18 (mm)
STD8260 240-21324/8 IC		10/31/2011 19:56	1	UX90538.D	DB-624 0.18 (mm)
STDA9 240-21324/9 IC		10/31/2011 20:23	1		DB-624 0.18 (mm)
STDA9 240-21324/10 IC		10/31/2011 20:47	1		DB-624 0.18 (mm)
STDA9 240-21324/11 IC		10/31/2011 21:13	1		DB-624 0.18 (mm)
STDA9 240-21324/12 IC		10/31/2011 21:40	1		DB-624 0.18 (mm)
STDA9 240-21324/13 IC		10/31/2011 22:06	1		DB-624 0.18 (mm)
ZZZZZ		10/31/2011 22:31	1		DB-624 0.18 (mm)
ZZZZZ		11/01/2011 00:35	1		DB-624 0.18 (mm)
ZZZZZ		11/01/2011 03:56	10		DB-624 0.18 (mm)
ZZZZZ		11/01/2011 04:21	1		DB-624 0.18 (mm)
ZZZZZ		11/01/2011 04:47	1		DB-624 0.18 (mm)
ZZZZZ		11/01/2011 05:12	1		DB-624 0.18 (mm)
ZZZZZ		11/01/2011 05:37	1		DB-624 0.18 (mm)
ZZZZZ		11/01/2011 06:02	1		DB-624 0.18 (mm)
ZZZZZ		11/01/2011 06:27	1		DB-624 0.18 (mm)
ZZZZZ		11/01/2011 06:52	1		DB-624 0.18 (mm)
ZZZZZ		11/01/2011 07:17	1		DB-624 0.18 (mm)
ZZZZZ		11/01/2011 07:42	1		DB-624 0.18 (mm)
ZZZZZ		11/01/2011 08:07	1		DB-624 0.18 (mm)
ZZZZZ		11/01/2011 08:32	1		DB-624 0.18 (mm)
ZZZZZ		11/01/2011 09:22	1		DB-624 0.18 (mm)
ZZZZZ		11/01/2011 10:12	1		DB-624 0.18 (mm)
ZZZZZ		11/01/2011 10:37	1		DB-624 0.18 (mm)
ZZZZZ		11/01/2011 11:02	1		DB-624 0.18 (mm)
ZZZZZ		11/01/2011 11:27	10		DB-624 0.18 (mm)
ZZZZZ		11/01/2011 11:52	1		DB-624 0.18 (mm)
ZZZZZ		11/01/2011 15:57	40		DB-624 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-10641-1

SDG No.: _____

Instrument ID: A3UX9 Start Date: 05/02/2012 17:20Analysis Batch Number: 42571 End Date: 05/03/2012 15:37

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-42571/1		05/02/2012 17:20	1	BFB2032.D	DB-624 0.18 (mm)
CCVIS 240-42571/2		05/02/2012 17:44	1	UX931630.D	DB-624 0.18 (mm)
LCS 240-42571/5		05/02/2012 18:09	1	UX931631.D	DB-624 0.18 (mm)
LCSD 240-42571/6		05/02/2012 18:34	1	UX931632.D	DB-624 0.18 (mm)
CCV 240-42571/3		05/02/2012 18:58	1	UX931633.D	DB-624 0.18 (mm)
MB 240-42571/4		05/02/2012 19:21	1	UX931634.D	DB-624 0.18 (mm)
ZZZZZ		05/02/2012 20:59	10		DB-624 0.18 (mm)
ZZZZZ		05/02/2012 23:20	1		DB-624 0.18 (mm)
ZZZZZ		05/02/2012 23:44	1		DB-624 0.18 (mm)
ZZZZZ		05/03/2012 00:09	1		DB-624 0.18 (mm)
240-10641-2	TB-012607-042512-SK	05/03/2012 00:33	1	UX931647.D	DB-624 0.18 (mm)
ZZZZZ		05/03/2012 00:57	1		DB-624 0.18 (mm)
ZZZZZ		05/03/2012 01:22	1		DB-624 0.18 (mm)
ZZZZZ		05/03/2012 02:59	1		DB-624 0.18 (mm)
ZZZZZ		05/03/2012 03:23	1		DB-624 0.18 (mm)
ZZZZZ		05/03/2012 03:48	1		DB-624 0.18 (mm)
ZZZZZ		05/03/2012 04:35	1		DB-624 0.18 (mm)
ZZZZZ		05/03/2012 05:00	1		DB-624 0.18 (mm)
ZZZZZ		05/03/2012 14:48	1		DB-624 0.18 (mm)
ZZZZZ		05/03/2012 15:12	1		DB-624 0.18 (mm)
ZZZZZ		05/03/2012 15:37	100		DB-624 0.18 (mm)

Method 8260B

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-10641-1
SDG No.: _____
Matrix: Water Level: Low
GC Column (1): DB-624 ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
GW-12607-042512-SK-061	240-10641-1	91	102	95	98
TB-012607-042512-SK	240-10641-2	92	104	95	101
	MB 240-42620/5	88	99	96	99
	LCS 240-42620/4	97	99	100	105

	<u>QC LIMITS</u>
DBFM = Dibromofluoromethane (Surr)	75-121
DCA = 1,2-Dichloroethane-d4 (Surr)	63-129
TOL = Toluene-d8 (Surr)	74-115
BFB = 4-Bromofluorobenzene (Surr)	66-117

Column to be used to flag recovery values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-10641-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: UXC3251.D
Lab ID: LCS 240-42620/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	10.0	9.45	95	74-118	
cis-1,2-Dichloroethene	10.0	9.56	96	80-113	
Tetrachloroethene	10.0	9.60	96	79-114	
trans-1,2-Dichloroethene	10.0	9.20	92	83-117	
Trichloroethene	10.0	10.0	100	76-117	
Vinyl chloride	10.0	8.55	86	53-127	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-10641-1
SDG No.: _____
Lab File ID: UXC3254.D Lab Sample ID: MB 240-42620/5
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: A3UX15 Date Analyzed: 05/03/2012 13:34
GC Column: DB-624 ID: 0.18 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-42620/4	UXC3251.D	05/03/2012 12:25
TB-012607-042512-SK	240-10641-2	UXC3256.D	05/03/2012 14:20
GW-12607-042512-SK-061	240-10641-1	UXC3257.D	05/03/2012 14:43

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

Lab Name: TestAmerica Canton Job No.: 240-10641-1
SDG No.: _____
Lab File ID: BFB951.D BFB Injection Date: 04/29/2012
Instrument ID: A3UX15 BFB Injection Time: 09:08
Analysis Batch No.: 42081

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	19.0
75	30.0 - 60.0 % of mass 95	52.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.4
173	Less than 2.0 % of mass 174	0.2 (0.3) 1
174	50.0 - 120.00 % of mass 95	85.7
175	5.0 - 9.0 % of mass 174	5.9 (6.9) 1
176	95.0 - 101.0 % of mass 174	83.5 (97.5) 1
177	5.0 - 9.0 % of mass 176	5.4 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD8260 240-42081/2	UXC3076.D	04/29/2012	11:24
	STD8260 240-42081/3	UXC3077.D	04/29/2012	11:47
	STD8260 240-42081/4	UXC3078.D	04/29/2012	12:09
	STD8260 240-42081/5	UXC3079.D	04/29/2012	12:32
	STD8260 240-42081/6	UXC3080.D	04/29/2012	12:54
	STD8260 240-42081/7	UXC3081.D	04/29/2012	13:17
	ICV 240-42081/14	UXC3088.D	04/29/2012	15:55

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

Lab Name: TestAmerica Canton Job No.: 240-10641-1
 SDG No.: _____
 Lab File ID: BFB955.D BFB Injection Date: 05/03/2012
 Instrument ID: A3UX15 BFB Injection Time: 09:29
 Analysis Batch No.: 42620

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	17.5
75	30.0 - 60.0 % of mass 95	51.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.6
173	Less than 2.0 % of mass 174	0.9 (0.9) 1
174	50.0 - 120.00 % of mass 95	94.6
175	5.0 - 9.0 % of mass 174	6.6 (7.0) 1
176	95.0 - 101.0 % of mass 174	94.7 (100.1) 1
177	5.0 - 9.0 % of mass 176	5.7 (6.0) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 240-42620/2	UXC3249.D	05/03/2012	11:39
	CCV 240-42620/3	UXC3250.D	05/03/2012	12:02
	LCS 240-42620/4	UXC3251.D	05/03/2012	12:25
	MB 240-42620/5	UXC3254.D	05/03/2012	13:34
TB-012607-042512-SK	240-10641-2	UXC3256.D	05/03/2012	14:20
GW-12607-042512-SK-061	240-10641-1	UXC3257.D	05/03/2012	14:43

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

Lab Name: TestAmerica Canton Job No.: 240-10641-1
 SDG No.: _____
 Sample No.: STD8260 240-42081/4 Date Analyzed: 04/29/2012 12:09
 Instrument ID: A3UX15 GC Column: DB-624 ID: 0.18 (mm)
 Lab File ID (Standard): UXC3078.D Heated Purge: (Y/N) N
 Calibration ID: 8421

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1555823	4.66	1052295	7.30	548707	9.51
UPPER LIMIT		3111646	5.16	2104590	7.80	1097414	10.01
LOWER LIMIT		777912	4.16	526148	6.80	274354	9.01
LAB SAMPLE ID		CLIENT SAMPLE ID					
ICV 240-42081/14		1579447	4.67	1033620	7.30	538234	9.51
CCVIS 240-42620/2		1309541	4.67	890589	7.30	473357	9.51

FB = Fluorobenzene

CBZ = Chlorobenzene-d5

DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Canton Job No.: 240-10641-1
 SDG No.: _____
 Sample No.: CCVIS 240-42620/2 Date Analyzed: 05/03/2012 11:39
 Instrument ID: A3UX15 GC Column: DB-624 ID: 0.18 (mm)
 Lab File ID (Standard): UXC3249.D Heated Purge: (Y/N) N
 Calibration ID: 8423

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1309541	4.67	890589	7.30	473357	9.51
UPPER LIMIT		2619082	5.17	1781178	7.80	946714	10.01
LOWER LIMIT		654771	4.17	445295	6.80	236679	9.01
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-42620/3		1376292	4.67	886192	7.30	503530	9.51
LCS 240-42620/4		1375421	4.67	944146	7.30	517527	9.51
MB 240-42620/5		1351363	4.67	885983	7.30	474336	9.51
240-10641-2	TB-012607-042512-SK	1393761	4.67	982596	7.30	518528	9.51
240-10641-1	GW-12607-042512-SK-06 1	1473902	4.67	1023364	7.30	529073	9.51

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

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-10641-1
 SDG No.: _____
 Client Sample ID: GW-12607-042512-SK-061 Lab Sample ID: 240-10641-1
 Matrix: Water Lab File ID: UXC3257.D
 Analysis Method: 8260B Date Collected: 04/25/2012 10:55
 Sample wt/vol: 5(mL) Date Analyzed: 05/03/2012 14:43
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 42620 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	7.1		1.0	0.22
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.17
127-18-4	Tetrachloroethene	1.0	U	1.0	0.29
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.19
79-01-6	Trichloroethene	1.0	U	1.0	0.17
75-01-4	Vinyl chloride	1.0	U	1.0	0.22

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		63-129
460-00-4	4-Bromofluorobenzene (Surr)	98		66-117
2037-26-5	Toluene-d8 (Surr)	95		74-115
1868-53-7	Dibromofluoromethane (Surr)	91		75-121

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX15\20120503-9636.b\UXC3257.D
 Lims ID: 240-10641-B-1 Client ID: GW-12607-042512-SK-061
 Inject. Date: 03-May-2012 14:43:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 240-0009636-008
 Misc. Info.: C20503A,8260LLUX15,,43582
 Operator: 43582 Instrument ID: A3UX15
 Vol. Injected: 1.0000 ALS Bottle#: 10
 Lims Batch ID: 42620 Lims Sample ID: 8
 Detector: MS SCAN
 Method: \\Ncchrom\ChromData\A3UX15\20120503-9636.b\8260_15.m
 Last Update: 03-May-2012 15:16:35 Calib Date: 29-Apr-2012 15:33:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A3UX15\20120429-9503.b\UXC3087.D
 Limit Group: MSV 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-18

First Level Reviewer: evansle

Date: 03-May-2012 15:16:10

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	4.668	4.668	0.0	99	1473902	10.0	
* 2 Chlorobenzene-d5	117	7.301	7.301	0.0	85	1023364	10.0	
* 3 1,4-Dichlorobenzene-d4	152	9.506	9.506	0.0	94	529073	10.0	
\$ 5 Dibromofluoromethane (Surr)	113	4.111	4.111	0.0	69	373659	8.14	
\$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.383	4.384	-0.001	0	504338	9.12	
\$ 7 Toluene-d8 (Surr)	98	6.008	6.008	0.0	94	1395133	8.42	
\$ 131 4-Bromofluorobenzene (Surr)	95	8.403	8.404	-0.001	96	453268	8.70	
14 Vinyl chloride	62		1.360					
33 trans-1,2-Dichloroethene	96		2.889					
42 cis-1,2-Dichloroethene	96		3.708					
50 1,1,1-Trichloroethane	97	4.122	4.123	-0.001	96	468754	7.05	
60 Trichloroethene	130		4.977					
77 Tetrachloroethene	164		6.554					

Report Date: 03-May-2012 15:16:43

Chrom Revision: 2.0 08-Feb-2012 11:07:54

Data File: \\Ncchrom\ChromData\A3UX15\20120503-9636.b\UXC3257.D

Injection Date: 03-May-2012 14:43:30

Limit Group: MSV 8260B ICAL

Client ID: GW-12607-042512-SK-061

Instrument ID: A3UX15

Lims Batch ID: 42620

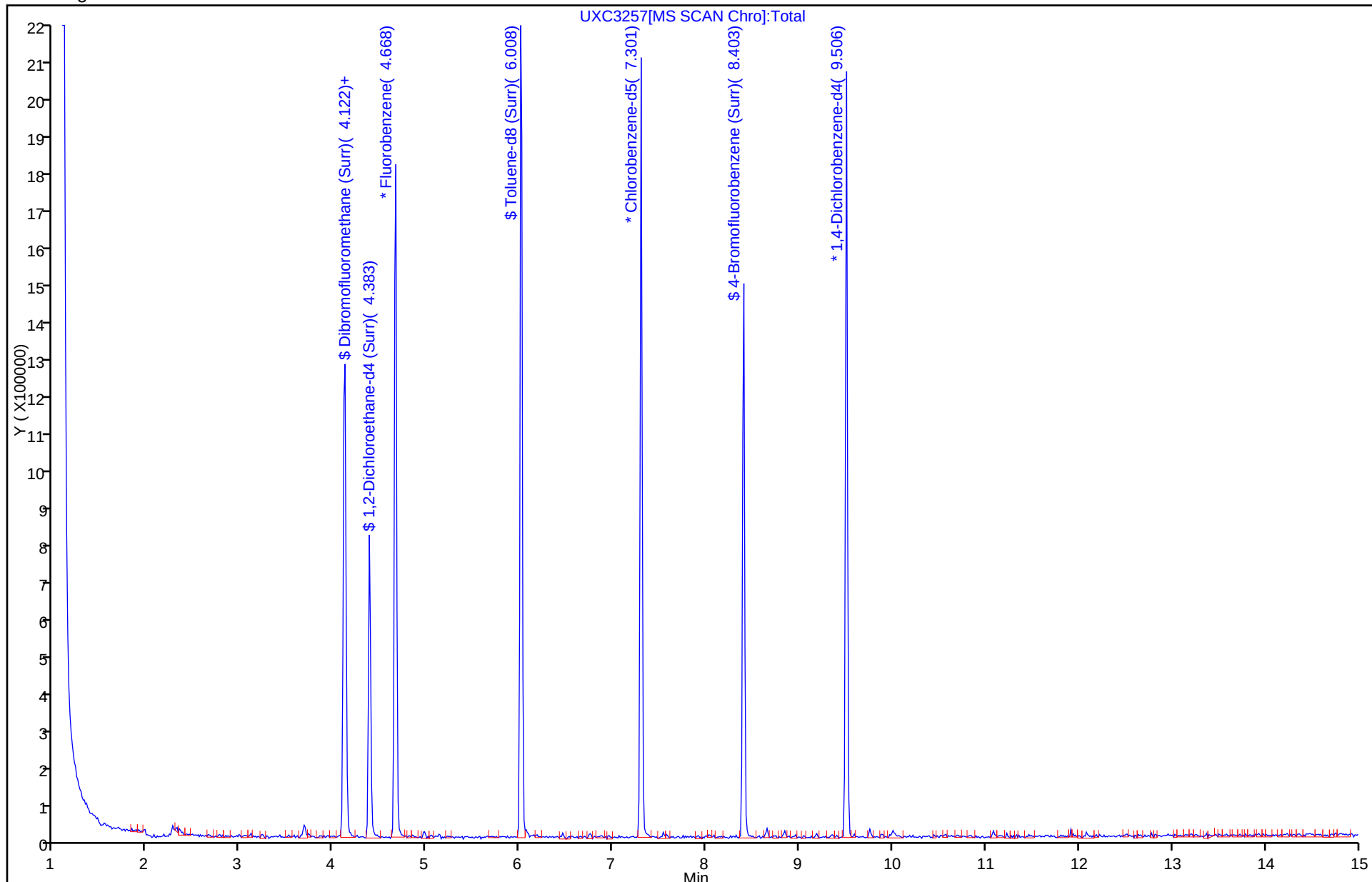
Lims Sample ID: 8

Operator ID: 43582

Column Type: DB-624

Column Dia: 0.18 mm

Y Scaling:



Report Date: 03-May-2012 15:16:43

Chrom Revision: 2.0 08-Feb-2012 11:07:54

Data File:

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Injection Date: 03-May-2012 14:43:30

Limit Group: MSV 8260B ICAL

Client ID: GW-12607-042512-SK-061

Instrument ID: A3UX15

Lims Batch ID: 42620

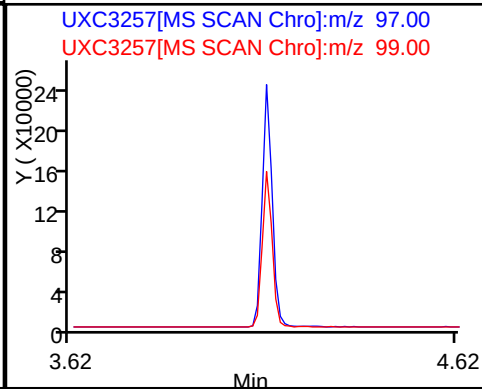
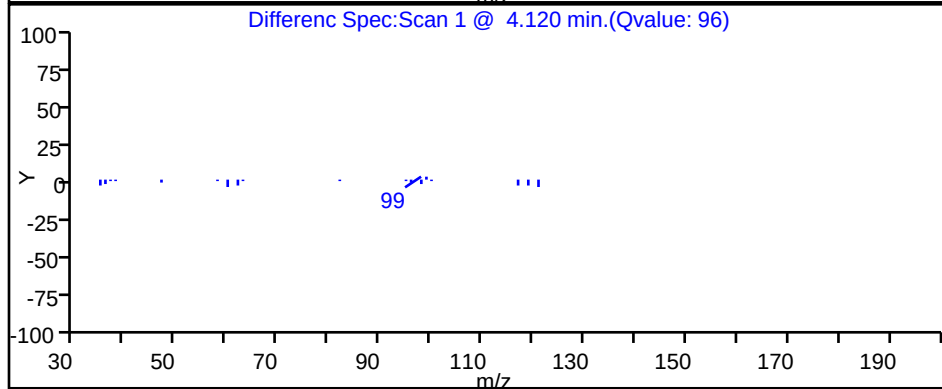
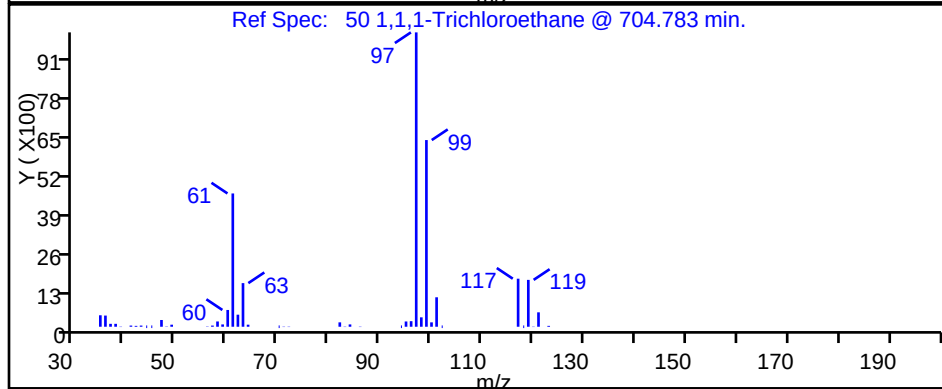
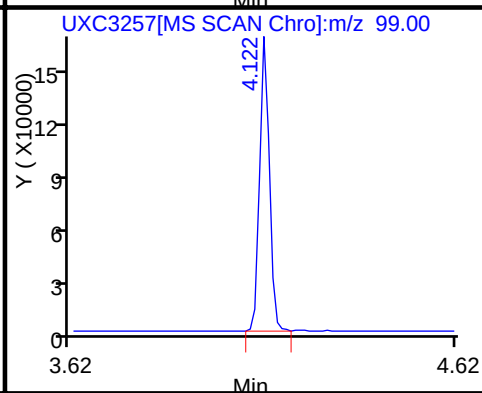
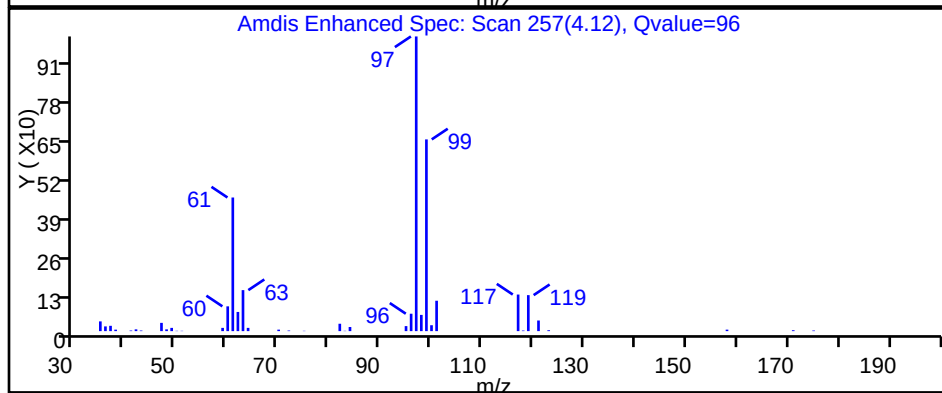
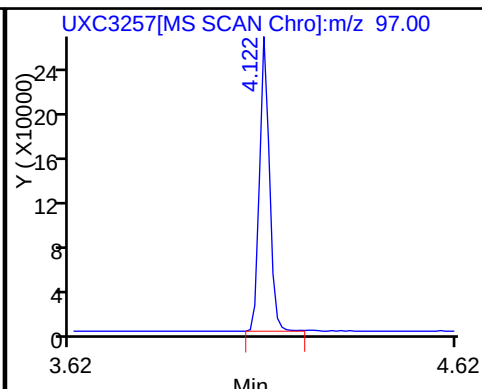
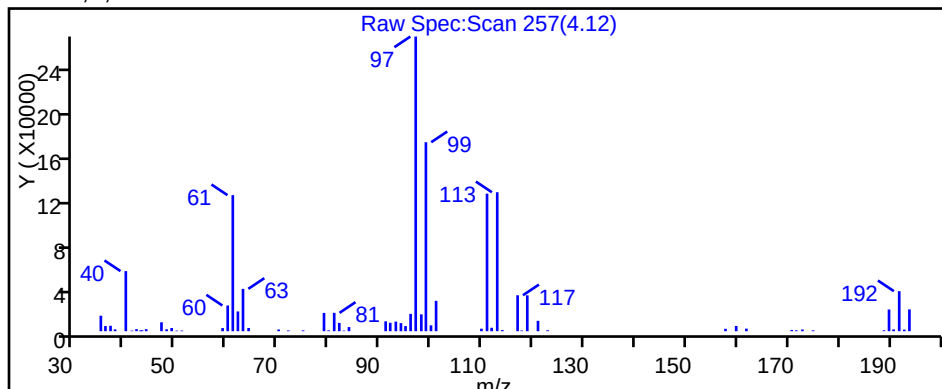
Lims Sample ID: 8

Operator ID: 43582

Column Type: DB-624

Column Dia: 0.18 mm

50 1,1,1-Trichloroethane



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-10641-1
 SDG No.: _____
 Client Sample ID: TB-012607-042512-SK Lab Sample ID: 240-10641-2
 Matrix: Water Lab File ID: UXC3256.D
 Analysis Method: 8260B Date Collected: 04/25/2012 00:00
 Sample wt/vol: 5(mL) Date Analyzed: 05/03/2012 14:20
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 42620 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.22
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.17
127-18-4	Tetrachloroethene	1.0	U	1.0	0.29
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.19
79-01-6	Trichloroethene	1.0	U	1.0	0.17
75-01-4	Vinyl chloride	1.0	U	1.0	0.22

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		63-129
460-00-4	4-Bromofluorobenzene (Surr)	101		66-117
2037-26-5	Toluene-d8 (Surr)	95		74-115
1868-53-7	Dibromofluoromethane (Surr)	92		75-121

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX15\20120503-9636.b\UXC3256.D
 Lims ID: 240-10641-B-2 Client ID: TB-012607-042512-SK
 Inject. Date: 03-May-2012 14:20:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 240-0009636-007
 Misc. Info.: C20503A,8260LLUX15,,43582
 Operator: 43582 Instrument ID: A3UX15
 Vol. Injected: 1.0000 ALS Bottle#: 9
 Lims Batch ID: 42620 Lims Sample ID: 7
 Detector: MS SCAN
 Method: \\Ncchrom\ChromData\A3UX15\20120503-9636.b\8260_15.m
 Last Update: 03-May-2012 15:16:35 Calib Date: 29-Apr-2012 15:33:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A3UX15\20120429-9503.b\UXC3087.D
 Limit Group: MSV 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-18

First Level Reviewer: evansle

Date: 03-May-2012 14:51:40

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	4.668	4.668	0.0	99	1393761	10.0	
* 2 Chlorobenzene-d5	117	7.301	7.301	0.0	85	982596	10.0	
* 3 1,4-Dichlorobenzene-d4	152	9.506	9.506	0.0	94	518528	10.0	
\$ 5 Dibromofluoromethane (Surr)	113	4.111	4.111	0.0	64	356421	8.21	
\$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.384	4.384	0.0	0	483660	9.25	
\$ 7 Toluene-d8 (Surr)	98	6.008	6.008	0.0	93	1346541	8.46	
\$ 131 4-Bromofluorobenzene (Surr)	95	8.404	8.404	0.0	97	448680	8.97	
14 Vinyl chloride	62		1.360					
33 trans-1,2-Dichloroethene	96		2.889					
42 cis-1,2-Dichloroethene	96		3.708					
50 1,1,1-Trichloroethane	97		4.123					
60 Trichloroethene	130		4.977					
77 Tetrachloroethene	164		6.554					

Report Date: 03-May-2012 15:16:40

Chrom Revision: 2.0 08-Feb-2012 11:07:54

Data File: \\Ncchrom\ChromData\A3UX15\20120503-9636.b\UXC3256.D

Injection Date: 03-May-2012 14:20:30

Limit Group: MSV 8260B ICAL

Client ID: TB-012607-042512-SK

Instrument ID: A3UX15

Lims Batch ID: 42620

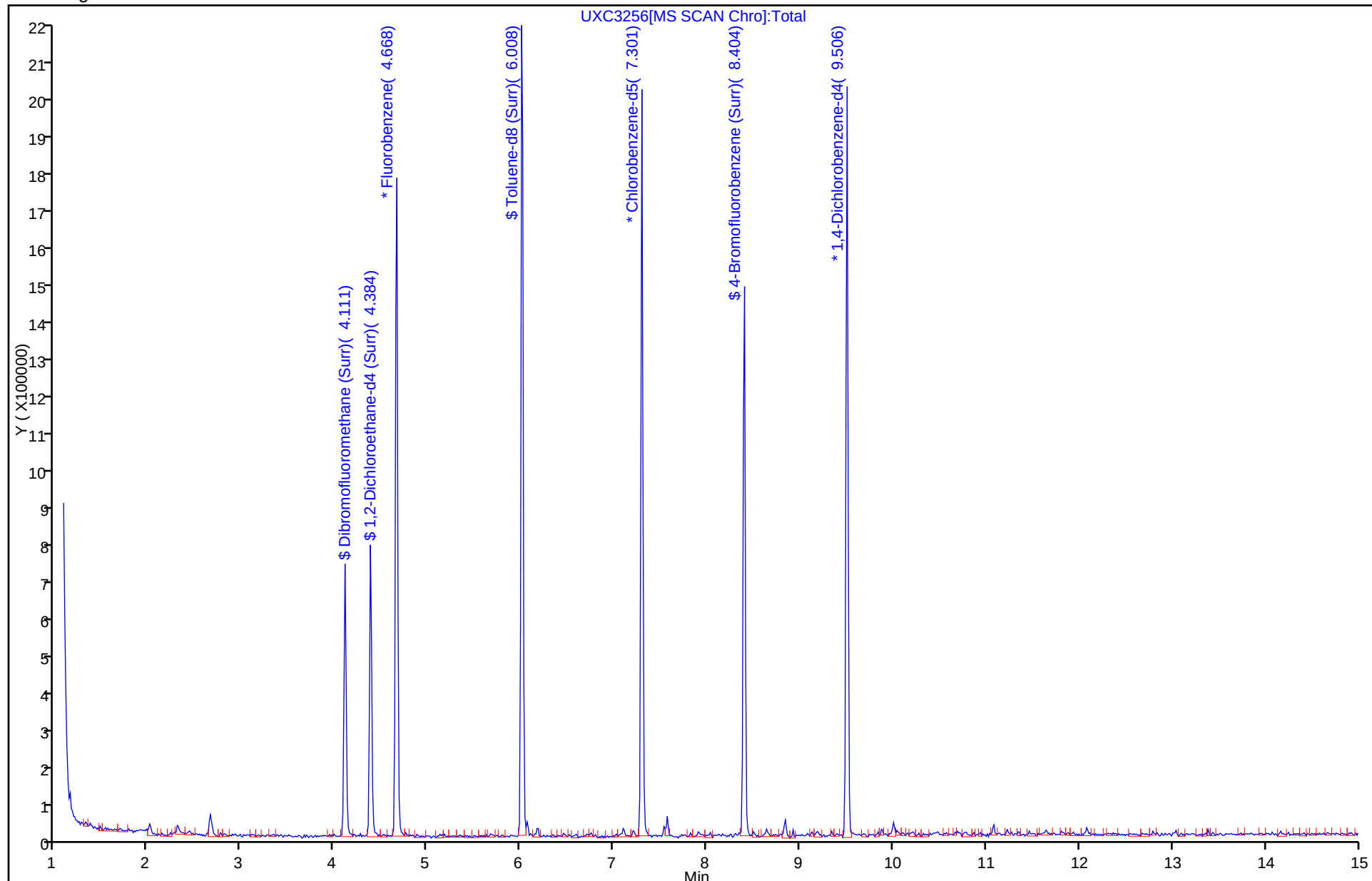
Lims Sample ID: 7

Operator ID: 43582

Column Type: DB-624

Column Dia: 0.18 mm

Y Scaling:



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

Lab Name: TestAmerica Canton Job No.: 240-10641-1 Analy Batch No.: 42081

SDG No.: _____

Instrument ID: A3UX15 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/29/2012 11:24 Calibration End Date: 04/29/2012 13:17 Calibration ID: 8421

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-42081/7	UXC3081.D
Level 2	STD8260 240-42081/6	UXC3080.D
Level 3	STD8260 240-42081/5	UXC3079.D
Level 4	STD8260 240-42081/4	UXC3078.D
Level 5	STD8260 240-42081/3	UXC3077.D
Level 6	STD8260 240-42081/2	UXC3076.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.2437 0.3586	0.2981	0.3071	0.3553	0.3059	Ave		0.3114				14.0		15.0			
Chloromethane	0.3874 0.3501	0.4080	0.4029	0.3817	0.3559	Ave		0.3810			0.1000	6.3		15.0			
Vinyl chloride	0.3486 0.3582	0.3563	0.3660	0.3713	0.3400	Ave		0.3567				3.2		15.0			
Bromomethane	0.1890 0.1391	0.2017	0.1749	0.1802	0.1567	Ave		0.1736				13.0		15.0			
Chloroethane	0.2019 0.1758	0.2062	0.2011	0.2019	0.1781	Ave		0.1942				6.9		15.0			
Trichlorofluoromethane	0.3612 0.4612	0.4068	0.4160	0.4718	0.4151	Ave		0.4220				9.5		15.0			
Acrolein	0.0354 0.0390	0.0360	0.0412	0.0385	0.0385	Ave		0.0381				5.5		15.0			
1,1-Dichloroethene	0.2606 0.3002	0.2701	0.3027	0.2933	0.2878	Ave		0.2858				5.9		15.0			
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.1699 0.2664	0.2463	0.2599	0.2797	0.2418	Lin1	-0.066	0.2647							0.9970		0.9900
Acetone	0.1464 0.0778	0.1098	0.0915	0.0837	0.0790	Lin1	0.1407	0.0761							1.0000		0.9900
Iodomethane	0.5809 0.5547	0.5936	0.6061	0.5616	0.5663	Ave		0.5772				3.5		15.0			
Carbon disulfide	0.7340 0.9863	0.8373	0.8869	0.9028	0.9191	Ave		0.8777				9.7		15.0			
Acetonitrile	0.0291 0.0267	0.0296	0.0305	0.0294	0.0288	Ave		0.0291				4.4		15.0			
Methyl acetate	0.2008 0.1934	0.1999	0.2171	0.1952	0.2023	Ave		0.2014				4.2		15.0			
Methylene Chloride	0.5873 0.3347	0.4885	0.4223	0.3674	0.3557	Lin1	0.2926	0.3346							0.9990		0.9900

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

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

Lab Name: TestAmerica Canton Job No.: 240-10641-1 Analy Batch No.: 42081

SDG No.: _____

Instrument ID: A3UX15 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/29/2012 11:24 Calibration End Date: 04/29/2012 13:17 Calibration ID: 8421

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Methyl-2-propanol	0.0136 0.0125	0.0147	0.0150	0.0147	0.0151	Ave		0.0143				7.0		15.0			
Acrylonitrile	0.0980 0.0984	0.1003	0.1029	0.1021	0.1010	Ave		0.1004				2.0		15.0			
Methyl tert-butyl ether	0.7516 0.7618	0.7815	0.8147	0.7487	0.7720	Ave		0.7717				3.2		15.0			
trans-1,2-Dichloroethene	0.3444 0.3299	0.3478	0.3590	0.3273	0.3332	Ave		0.3403				3.6		15.0			
Hexane	0.0375 0.0695	0.0610	0.0564	0.0691	0.0606	Lin1	-0.028	0.0679							0.9950		0.9900
1,1-Dichloroethane	0.5836 0.5697	0.6058	0.6199	0.5644	0.5890	Ave		0.5887			0.1000	3.6		15.0			
Vinyl acetate	0.0286 0.0466	0.0365	0.0439	0.0417	0.0473	Lin1	-0.020	0.0470							0.9990		0.9900
2,2-Dichloropropane	0.2762 0.3365	0.2942	0.3279	0.3174	0.3214	Ave		0.3123				7.3		15.0			
cis-1,2-Dichloroethene	0.3692 0.3507	0.3749	0.3943	0.3537	0.3664	Ave		0.3682				4.3		15.0			
2-Butanone (MEK)	0.1098 0.1065	0.1098	0.1208	0.1033	0.1116	Ave		0.1103				5.4		15.0			
Chlorobromomethane	0.1670 0.1706	0.1824	0.1854	0.1735	0.1762	Ave		0.1758				4.0		15.0			
Tetrahydrofuran	0.0715 0.0661	0.0679	0.0721	0.0692	0.0709	Ave		0.0696				3.3		15.0			
Chloroform	0.6200 0.5908	0.6401	0.6524	0.5886	0.6127	Ave		0.6174				4.2		15.0			
1,1,1-Trichloroethane	0.3865 0.4831	0.4443	0.4647	0.4592	0.4699	Ave		0.4513				7.6		15.0			
Cyclohexane	0.3227 0.5677	0.4828	0.5322	0.5647	0.5104	Lin1	-0.205	0.5608							0.9970		0.9900
1,1-Dichloropropene	0.3773 0.4533	0.4544	0.4504	0.4509	0.4526	Ave		0.4398				7.0		15.0			
Carbon tetrachloride	0.2383 0.4269	0.3514	0.3714	0.3843	0.3934	Lin1	-0.187	0.4193							0.9980		0.9900
Benzene	1.3052 1.2705	1.3308	1.3607	1.2305	1.2934	Ave		1.2985				3.5		15.0			
1,2-Dichloroethane	0.4296 0.4396	0.4756	0.4725	0.4328	0.4641	Ave		0.4524				4.6		15.0			
Trichloroethene	0.3385 0.3447	0.3510	0.3477	0.3335	0.3508	Ave		0.3444				2.1		15.0			

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

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

Lab Name: TestAmerica Canton Job No.: 240-10641-1 Analy Batch No.: 42081

SDG No.: _____

Instrument ID: A3UX15 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/29/2012 11:24 Calibration End Date: 04/29/2012 13:17 Calibration ID: 8421

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Methylcyclohexane	0.2857 0.5039	0.4241	0.4325	0.4953	0.4470	Lin1	-0.201	0.4943							0.9970		0.9900
1,2-Dichloropropane	0.2709 0.2863	0.2964	0.3076	0.2818	0.2938	Ave		0.2895				4.4		15.0			
Dibromomethane	0.1539 0.1649	0.1605	0.1721	0.1582	0.1701	Ave		0.1633				4.3		15.0			
1,4-Dioxane	0.0014 0.0015	0.0018	0.0030	0.0026	0.0026	Qua	-0.178	0.0038	0						0.9940		0.9900
Dichlorobromomethane	0.2909 0.3604	0.3021	0.3331	0.3139	0.3609	Ave		0.3269				9.1		15.0			
2-Chloroethyl vinyl ether	0.0992 0.1091	0.0938	0.1128	0.0989	0.1161	Ave		0.1050				8.5		15.0			
cis-1,3-Dichloropropene	0.2349 0.3795	0.2697	0.3171	0.3173	0.3821	Lin1	-0.199	0.3788							0.9970		0.9900
4-Methyl-2-pentanone (MIBK)	0.1765 0.2058	0.1891	0.2131	0.1960	0.2150	Ave		0.1993				7.5		15.0			
Toluene	1.9161 1.9047	1.8662	1.9982	1.7542	1.9102	Ave		1.8916				4.2		15.0			
trans-1,3-Dichloropropene	0.3141 0.4412	0.3140	0.3609	0.3496	0.4297	Ave		0.3683				15.0		15.0			
Ethyl methacrylate	0.3098 0.4258	0.3776	0.4174	0.3868	0.4359	Ave		0.3922				12.0		15.0			
1,1,2-Trichloroethane	0.3262 0.3007	0.3134	0.3313	0.2971	0.3166	Ave		0.3142				4.3		15.0			
Tetrachloroethene	0.3858 0.3859	0.3756	0.3991	0.3773	0.3838	Ave		0.3846				2.2		15.0			
1,3-Dichloropropane	0.5974 0.5593	0.5592	0.5927	0.5286	0.5749	Ave		0.5687				4.5		15.0			
2-Hexanone	0.1787 0.1854	0.1732	0.1972	0.1804	0.2018	Ave		0.1861				6.0		15.0			
Chlorodibromomethane	0.2749 0.3468	0.2513	0.3065	0.2828	0.3389	Ave		0.3002				12.0		15.0			
Ethylene Dibromide	0.3068 0.3045	0.2751	0.3065	0.2850	0.3251	Ave		0.3005				5.9		15.0			
Chlorobenzene	1.2400 1.1209	1.1909	1.2240	1.0799	1.1677	Ave		1.1706			0.3000	5.2		15.0			
1,1,1,2-Tetrachloroethane	0.3197 0.4199	0.3668	0.3986	0.3861	0.4190	Ave		0.3850				9.8		15.0			
Ethylbenzene	0.6176 0.6177	0.5971	0.6645	0.5990	0.6284	Ave		0.6207				4.0		15.0			

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

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

Lab Name: TestAmerica Canton Job No.: 240-10641-1 Analy Batch No.: 42081

SDG No.: _____

Instrument ID: A3UX15 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/29/2012 11:24 Calibration End Date: 04/29/2012 13:17 Calibration ID: 8421

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
m-Xylene & p-Xylene	1.5176 1.5491	1.5455	1.6281	1.5016	1.5882	Ave		1.5550				3.0		15.0			
o-Xylene	0.7759 0.7617	0.7930	0.8314	0.7515	0.7835	Ave		0.7828				3.6		15.0			
Styrene	1.1892 1.1915	1.2076	1.2895	1.1486	1.2415	Ave		1.2113				4.0		15.0			
Bromoform	0.1321 0.1884	0.1523	0.1515	0.1518	0.1853	Ave		0.1602			0.1000	14.0		15.0			
Isopropylbenzene	1.7171 1.9089	1.8085	1.9726	1.8518	1.9721	Ave		1.8718				5.3		15.0			
Bromobenzene	0.9398 0.9453	0.9188	1.0085	0.9241	0.9604	Ave		0.9495				3.4		15.0			
1,1,2,2-Tetrachloroethane	0.7296 0.7349	0.7330	0.7797	0.7228	0.7468	Ave		0.7411			0.3000	2.8		15.0			
1,2,3-Trichloropropane	0.2781 0.2451	0.2474	0.2494	0.2385	0.2556	Ave		0.2524				5.5		15.0			
trans-1,4-Dichloro-2-butene	0.0950 0.0957	0.1049	0.1143	0.1033	0.1289	Ave		0.1070				12.0		15.0			
N-Propylbenzene	0.7693 0.9517	0.8972	0.9729	0.9191	0.9241	Ave		0.9057				7.9		15.0			
2-Chlorotoluene	0.8295 0.8755	0.8598	0.9059	0.8626	0.8785	Ave		0.8687				2.9		15.0			
1,3,5-Trimethylbenzene	2.6488 2.9564	2.7181	2.9495	2.7753	2.9407	Ave		2.8315				4.8		15.0			
4-Chlorotoluene	2.7250 2.7974	2.8497	2.9460	2.7189	2.8387	Ave		2.8126				3.0		15.0			
tert-Butylbenzene	1.8754 2.4909	2.0950	2.3141	2.2759	2.4091	Ave		2.2434				10.0		15.0			
1,2,4-Trimethylbenzene	2.6889 2.9811	2.9189	3.0723	2.9016	3.0005	Ave		2.9272				4.5		15.0			
sec-Butylbenzene	2.5251 3.3244	2.9153	3.2535	3.1802	3.2440	Ave		3.0737				9.9		15.0			
1,3-Dichlorobenzene	1.7883 1.6325	1.8202	1.7917	1.6722	1.7052	Ave		1.7350				4.4		15.0			
4-Isopropyltoluene	2.3312 2.8386	2.6287	2.8864	2.7363	2.8699	Ave		2.7152				7.8		15.0			
1,4-Dichlorobenzene	1.9777 1.6881	1.8507	1.8834	1.6965	1.7485	Ave		1.8075				6.4		15.0			
1,2-Dichlorobenzene	1.8184 1.6301	1.7370	1.8480	1.6916	1.7145	Ave		1.7399				4.7		15.0			

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

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

Lab Name: TestAmerica Canton Job No.: 240-10641-1 Analy Batch No.: 42081

SDG No.: _____

Instrument ID: A3UX15 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/29/2012 11:24 Calibration End Date: 04/29/2012 13:17 Calibration ID: 8421

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
n-Butylbenzene	2.0987 2.3590	2.3764	2.4633	2.3556	2.4187	Ave		2.3453				5.4		15.0			
1,2-Dibromo-3-Chloropropane	0.1119 0.1136	0.1119	0.1143	0.1216	0.1249	Ave		0.1164				4.7		15.0			
1,3,5-Trichlorobenzene	1.3882 1.0678	1.4159	1.4042	1.2771	1.2396	Ave		1.2988				10.0		15.0			
1,2,4-Trichlorobenzene	1.3121 0.9546	1.3125	1.4079	1.2089	1.1472	Ave		1.2239				13.0		15.0			
Hexachlorobutadiene	0.6411 0.4170	0.7425	0.6785	0.6214	0.5715	Qua	-0.026	0.7166	-0.007						1.0000		0.9900
Naphthalene	2.4104 1.9822	2.4696	2.8259	2.6642	2.3789	Ave		2.4552				12.0		15.0			
1,2,3-Trichlorobenzene	1.2111 0.6861	1.2650	1.2843	1.1033	0.9240	Qua	0.3797	1.1674	-0.012						0.9990		0.9900
Dibromofluoromethane (Surr)	0.3187 0.3074	0.3212	0.3241	0.2912	0.3056	Ave		0.3114				4.0		15.0			
1,2-Dichloroethane-d4 (Surr)	0.3798 0.3617	0.3937	0.3879	0.3647	0.3640	Ave		0.3753				3.7		15.0			
Toluene-d8 (Surr)	1.6570 1.6274	1.6443	1.6529	1.5337	1.5994	Ave		1.6191				2.9		15.0			
4-Bromofluorobenzene (Surr)	0.5149 0.4802	0.5436	0.5458	0.4731	0.4962	Ave		0.5090				6.1		15.0			

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

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

Lab Name: TestAmerica Canton Job No.: 240-10641-1 Analy Batch No.: 42081

SDG No.: _____

Instrument ID: A3UX15 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/29/2012 11:24 Calibration End Date: 04/29/2012 13:17 Calibration ID: 8421

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-42081/7	UXC3081.D
Level 2	STD8260 240-42081/6	UXC3080.D
Level 3	STD8260 240-42081/5	UXC3079.D
Level 4	STD8260 240-42081/4	UXC3078.D
Level 5	STD8260 240-42081/3	UXC3077.D
Level 6	STD8260 240-42081/2	UXC3076.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	38381 2301553	90956	232130	552710	1002000	1.00 40.0	2.00	5.00	10.0	20.0
Chloromethane	FB	Ave	61002 2247070	124488	304583	593837	1165723	1.00 40.0	2.00	5.00	10.0	20.0
Vinyl chloride	FB	Ave	54901 2299169	108696	276648	577601	1113570	1.00 40.0	2.00	5.00	10.0	20.0
Bromomethane	FB	Ave	29758 892561	61547	132219	280423	513289	1.00 40.0	2.00	5.00	10.0	20.0
Chloroethane	FB	Ave	31792 1128233	62903	151990	314098	583416	1.00 40.0	2.00	5.00	10.0	20.0
Trichlorofluoromethane	FB	Ave	56883 2959738	124130	314435	734106	1359721	1.00 40.0	2.00	5.00	10.0	20.0
Acrolein	FB	Ave	55703 2500686	109975	311121	599405	1262602	10.0 400	20.0	50.0	100	200
1,1-Dichloroethene	FB	Ave	41044 1926454	82415	228777	456310	942598	1.00 40.0	2.00	5.00	10.0	20.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	FB	Lin1	26759 1709798	75152	196492	435164	792098	1.00 40.0	2.00	5.00	10.0	20.0
Acetone	FB	Lin1	46103 999124	66973	138348	260570	517489	2.00 80.0	4.00	10.0	20.0	40.0
Iodomethane	FB	Ave	91476 3559992	181122	458153	873811	1854986	1.00 40.0	2.00	5.00	10.0	20.0
Carbon disulfide	FB	Ave	115590 6330223	255455	670432	1404641	3010486	1.00 40.0	2.00	5.00	10.0	20.0
Acetonitrile	FB	Ave	45895 1716371	90457	230680	457692	944809	10.0 400	20.0	50.0	100	200
Methyl acetate	FB	Ave	63234 2482882	121960	328210	607500	1325040	2.00 80.0	4.00	10.0	20.0	40.0
Methylene Chloride	FB	Lin1	92488 2148010	149046	319243	571538	1165105	1.00 40.0	2.00	5.00	10.0	20.0
2-Methyl-2-propanol	FB	Ave	42916 1606936	89707	227159	456949	986371	20.0 800	40.0	100	200	400

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

Lab Name: TestAmerica Canton Job No.: 240-10641-1 Analy Batch No.: 42081

SDG No.: _____

Instrument ID: A3UX15 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/29/2012 11:24 Calibration End Date: 04/29/2012 13:17 Calibration ID: 8421

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Acrylonitrile	FB	Ave	30861 1262552	61187	155614	317552	661945	2.00 80.0	4.00	10.0	20.0	40.0
Methyl tert-butyl ether	FB	Ave	118355 4889191	238451	615841	1164799	2528791	1.00 40.0	2.00	5.00	10.0	20.0
trans-1,2-Dichloroethene	FB	Ave	54242 2117387	106108	271370	509184	1091537	1.00 40.0	2.00	5.00	10.0	20.0
Hexane	FB	Lin1	5898 446031	18608	42639	107536	198487	1.00 40.0	2.00	5.00	10.0	20.0
1,1-Dichloroethane	FB	Ave	91902 3656320	184842	468585	878115	1929222	1.00 40.0	2.00	5.00	10.0	20.0
Vinyl acetate	FB	Lin1	4507 298900	11125	33152	64828	154989	1.00 40.0	2.00	5.00	10.0	20.0
2,2-Dichloropropane	FB	Ave	43488 2159602	89775	247892	493778	1052714	1.00 40.0	2.00	5.00	10.0	20.0
cis-1,2-Dichloroethene	FB	Ave	58140 2250613	114380	298076	550251	1200241	1.00 40.0	2.00	5.00	10.0	20.0
2-Butanone (MEK)	FB	Ave	34597 1367580	67002	182681	321325	731298	2.00 80.0	4.00	10.0	20.0	40.0
Chlorobromomethane	FB	Ave	26293 1094859	55639	140113	269887	576990	1.00 40.0	2.00	5.00	10.0	20.0
Tetrahydrofuran	FB	Ave	11254 424334	20729	54512	107614	232360	1.00 40.0	2.00	5.00	10.0	20.0
Chloroform	FB	Ave	97641 3791768	195298	493176	915801	2006949	1.00 40.0	2.00	5.00	10.0	20.0
1,1,1-Trichloroethane	FB	Ave	60859 3100765	135544	351243	714511	1539149	1.00 40.0	2.00	5.00	10.0	20.0
Cyclohexane	FB	Lin1	50815 3643305	147304	402277	878562	1671708	1.00 40.0	2.00	5.00	10.0	20.0
1,1-Dichloropropene	FB	Ave	59416 2909386	138649	340451	701470	1482413	1.00 40.0	2.00	5.00	10.0	20.0
Carbon tetrachloride	FB	Lin1	37533 2740150	107225	280724	597865	1288662	1.00 40.0	2.00	5.00	10.0	20.0
Benzene	FB	Ave	205533 8154311	406034	1028569	1914371	4236712	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dichloroethane	FB	Ave	67657 2821535	145105	357192	673312	1520118	1.00 40.0	2.00	5.00	10.0	20.0
Trichloroethene	FB	Ave	53304 2212120	107096	262863	518792	1149156	1.00 40.0	2.00	5.00	10.0	20.0
Methylcyclohexane	FB	Lin1	44998 3234226	129393	326907	770537	1464283	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dichloropropane	FB	Ave	42662 1837222	90426	232542	438496	962284	1.00 40.0	2.00	5.00	10.0	20.0

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

Lab Name: TestAmerica Canton Job No.: 240-10641-1 Analy Batch No.: 42081

SDG No.: _____

Instrument ID: A3UX15 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/29/2012 11:24 Calibration End Date: 04/29/2012 13:17 Calibration ID: 8421

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dibromomethane	FB	Ave	24237 1058568	48961	130105	246150	557180	1.00 40.0	2.00	5.00	10.0	20.0
1,4-Dioxane	FB	Qua	10982 465497	26799	111818	200457	428252	50.0 2000	100	250	500	1000
Dichlorobromomethane	FB	Ave	45809 2313169	92161	251807	488414	1182023	1.00 40.0	2.00	5.00	10.0	20.0
2-Chloroethyl vinyl ether	FB	Ave	31240 1400212	57213	170465	307834	760602	2.00 80.0	4.00	10.0	20.0	40.0
cis-1,3-Dichloropropene	FB	Lin1	36985 2435869	82286	239682	493739	1251478	1.00 40.0	2.00	5.00	10.0	20.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	55593 2642271	115417	322116	610028	1408192	2.00 80.0	4.00	10.0	20.0	40.0
Toluene	CBZ	Ave	191196 8058331	378681	994743	1845940	4195177	1.00 40.0	2.00	5.00	10.0	20.0
trans-1,3-Dichloropropene	CBZ	Ave	31341 1866584	63708	179673	367896	943782	1.00 40.0	2.00	5.00	10.0	20.0
Ethyl methacrylate	CBZ	Ave	30912 1801497	76613	207801	407039	957399	1.00 40.0	2.00	5.00	10.0	20.0
1,1,2-Trichloroethane	CBZ	Ave	32549 1272036	63601	164942	312603	695416	1.00 40.0	2.00	5.00	10.0	20.0
Tetrachloroethene	CBZ	Ave	38494 1632762	76220	198655	396984	842886	1.00 40.0	2.00	5.00	10.0	20.0
1,3-Dichloropropane	CBZ	Ave	59607 2366216	113479	295042	556209	1262595	1.00 40.0	2.00	5.00	10.0	20.0
2-Hexanone	CBZ	Ave	35662 1568624	70287	196381	379725	886564	2.00 80.0	4.00	10.0	20.0	40.0
Chlorodibromomethane	CBZ	Ave	27428 1467107	51002	152570	297623	744213	1.00 40.0	2.00	5.00	10.0	20.0
Ethylene Dibromide	CBZ	Ave	30612 1288061	55824	152577	299894	714069	1.00 40.0	2.00	5.00	10.0	20.0
Chlorobenzene	CBZ	Ave	123736 4742117	241643	609313	1136340	2564572	1.00 40.0	2.00	5.00	10.0	20.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	31899 1776296	74424	198402	406255	920179	1.00 40.0	2.00	5.00	10.0	20.0
Ethylbenzene	CBZ	Ave	61629 2613472	121151	330774	630336	1380004	1.00 40.0	2.00	5.00	10.0	20.0
m-Xylene & p-Xylene	CBZ	Ave	302868 13107573	627220	1620992	3160329	6976096	2.00 80.0	4.00	10.0	20.0	40.0
o-Xylene	CBZ	Ave	77425 3222363	160909	413867	790781	1720705	1.00 40.0	2.00	5.00	10.0	20.0
Styrene	CBZ	Ave	118665 5040695	245037	641934	1208712	2726542	1.00 40.0	2.00	5.00	10.0	20.0

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

Lab Name: TestAmerica Canton Job No.: 240-10641-1 Analy Batch No.: 42081

SDG No.: _____

Instrument ID: A3UX15 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/29/2012 11:24 Calibration End Date: 04/29/2012 13:17 Calibration ID: 8421

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Bromoform	CBZ	Ave	13180 796929	30908	75407	159757	406929	1.00 40.0	2.00	5.00	10.0	20.0
Isopropylbenzene	CBZ	Ave	171340 8076132	366980	981994	1948623	4331099	1.00 40.0	2.00	5.00	10.0	20.0
Bromobenzene	DCB	Ave	52082 1973669	101412	272735	507060	1106765	1.00 40.0	2.00	5.00	10.0	20.0
1,1,2,2-Tetrachloroethane	DCB	Ave	40435 1534367	80904	210875	396588	860615	1.00 40.0	2.00	5.00	10.0	20.0
1,2,3-Trichloropropane	DCB	Ave	15415 511720	27312	67461	130865	294536	1.00 40.0	2.00	5.00	10.0	20.0
trans-1,4-Dichloro-2-butene	DCB	Ave	5266 199806	11574	30915	56664	148567	1.00 40.0	2.00	5.00	10.0	20.0
N-Propylbenzene	DCB	Ave	42637 1987154	99032	263105	504320	1065005	1.00 40.0	2.00	5.00	10.0	20.0
2-Chlorotoluene	DCB	Ave	45974 1828016	94903	245005	473324	1012473	1.00 40.0	2.00	5.00	10.0	20.0
1,3,5-Trimethylbenzene	DCB	Ave	146797 6172748	300012	797695	1522817	3389043	1.00 40.0	2.00	5.00	10.0	20.0
4-Chlorotoluene	DCB	Ave	151022 5840838	314535	796747	1491861	3271446	1.00 40.0	2.00	5.00	10.0	20.0
tert-Butylbenzene	DCB	Ave	103936 5200779	231232	625847	1248826	2776332	1.00 40.0	2.00	5.00	10.0	20.0
1,2,4-Trimethylbenzene	DCB	Ave	149019 6224324	322172	830903	1592120	3457892	1.00 40.0	2.00	5.00	10.0	20.0
sec-Butylbenzene	DCB	Ave	139943 6941085	321774	879891	1744989	3738591	1.00 40.0	2.00	5.00	10.0	20.0
1,3-Dichlorobenzene	DCB	Ave	99109 3408552	200906	484562	917532	1965208	1.00 40.0	2.00	5.00	10.0	20.0
4-Isopropyltoluene	DCB	Ave	129196 5926789	290143	780605	1501409	3307425	1.00 40.0	2.00	5.00	10.0	20.0
1,4-Dichlorobenzene	DCB	Ave	109608 3524607	204270	509371	930874	2015089	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dichlorobenzene	DCB	Ave	100777 3403582	191715	499785	928187	1975869	1.00 40.0	2.00	5.00	10.0	20.0
n-Butylbenzene	DCB	Ave	116313 4925356	262288	666185	1292525	2787378	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	6199 237133	12353	30907	66735	143912	1.00 40.0	2.00	5.00	10.0	20.0
1,3,5-Trichlorobenzene	DCB	Ave	76933 2229544	156283	379759	700773	1428620	1.00 40.0	2.00	5.00	10.0	20.0
1,2,4-Trichlorobenzene	DCB	Ave	72717 1993145	144864	380771	663313	1322106	1.00 40.0	2.00	5.00	10.0	20.0

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

Lab Name: TestAmerica Canton Job No.: 240-10641-1 Analy Batch No.: 42081

SDG No.: _____

Instrument ID: A3UX15 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/29/2012 11:24 Calibration End Date: 04/29/2012 13:17 Calibration ID: 8421

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Hexachlorobutadiene	DCB	Qua	35529 870680	81954	183505	340967	658611	1.00 40.0	2.00	5.00	10.0	20.0
Naphthalene	DCB	Ave	133586 4138676	272576	764259	1461861	2741561	1.00 40.0	2.00	5.00	10.0	20.0
1,2,3-Trichlorobenzene	DCB	Qua	67122 1432422	139625	347345	605370	1064803	1.00 40.0	2.00	5.00	10.0	20.0
Dibromofluoromethane (Surr)	FB	Ave	50187 1972771	97992	244997	453133	1001096	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	59815 2321655	120127	293241	567405	1192270	1.00 40.0	2.00	5.00	10.0	20.0
Toluene-d8 (Surr)	CBZ	Ave	165340 6885189	333652	822828	1613862	3512483	1.00 40.0	2.00	5.00	10.0	20.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	51375 2031655	110299	271711	497810	1089849	1.00 40.0	2.00	5.00	10.0	20.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Qua = Quadratic ISTD

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX15\20120429-9503.b\UXC3076.D
 Lims ID: STD8260 L6 Client ID:
 Inject. Date: 29-Apr-2012 11:24:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: 240-0009503-002
 Misc. Info.: C20429A,8260LLUX15,,43582
 Operator: 43582 Instrument ID: A3UX15
 Vol. Injected: 1.0000 ALS Bottle#: 1
 Lims Batch ID: 42081 Lims Sample ID: 2
 Sublist: chrom-8260_15*sub20
 Detector: MS SCAN
 Method: \\Ncchrom\ChromData\A3UX15\20120429-9503.b\8260_15.m
 Last Update: 30-Apr-2012 08:42:34 Calib Date: 29-Apr-2012 15:33:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A3UX15\20120429-9503.b\UXC3087.D
 Limit Group: MSV 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-18

First Level Reviewer: evansle

Date: 29-Apr-2012 12:07:41

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	4.656	4.668	-0.012	99	1604539	10.0	
* 2 Chlorobenzene-d5	117	7.301	7.301	0.0	85	1057672	10.0	
* 3 1,4-Dichlorobenzene-d4	152	9.506	9.506	0.0	81	521980	10.0	
\$ 5 Dibromofluoromethane (Surr)	113	4.111	4.111	0.0	68	1972771	39.5	
\$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.384	4.383	0.001	0	2321655	38.6	
\$ 7 Toluene-d8 (Surr)	98	6.008	6.008	0.0	93	6885189	40.2	
\$ 131 4-Bromofluorobenzene (Surr)	95	8.404	8.403	0.001	96	2031655	37.7	
12 Dichlorodifluoromethane	85	1.158	1.158	0.0	88	2301553	46.1	
13 Chloromethane	50	1.277	1.277	0.0	89	2247070	36.8	
14 Vinyl chloride	62	1.360	1.360	0.0	83	2299169	40.2	
15 Bromomethane	94	1.597	1.597	0.0	90	892561	32.0	
16 Chloroethane	64	1.668	1.668	0.0	95	1128233	36.2	
18 Trichlorofluoromethane	101	1.858	1.858	0.0	87	2959738	43.7	
20 Acrolein	56	2.178	2.178	0.0	97	2500686	409.0	
21 1,1-Dichloroethene	96	2.261	2.261	0.0	90	1926454	42.0	
23 1,1,2-Trichloro-1,2,2-trifluoroethane	151	2.285	2.284	0.001	78	1709798	40.5	
22 Acetone	43	2.308	2.308	0.0	97	999124	80.0	
24 Iodomethane	142	2.379	2.379	0.0	99	3559992	38.4	
26 Carbon disulfide	76	2.427	2.427	0.0	99	6330223	44.9	
27 Acetonitrile	41	2.546	2.545	0.001	100	1716371	368.2	
28 Methyl acetate	43	2.581	2.581	0.0	98	2482882	76.8	
30 Methylene Chloride	84	2.664	2.664	0.0	89	2148010	39.1	
31 2-Methyl-2-propanol	59	2.771	2.771	0.0	92	1606936	701.9	
32 Acrylonitrile	53	2.866	2.866	0.0	98	1262552	78.3	
33 trans-1,2-Dichloroethene	96	2.889	2.889	0.0	93	2117387	38.8	
34 Methyl tert-butyl ether	73	2.889	2.889	0.0	91	4889191	39.5	
35 Hexane	86	3.115	3.115	0.0	94	446031	41.4	
36 1,1-Dichloroethane	63	3.233	3.233	0.0	85	3656320	38.7	
37 Vinyl acetate	86	3.281	3.281	0.0	97	298900	40.1	
42 cis-1,2-Dichloroethene	96	3.708	3.708	0.0	71	2250613	38.1	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
43 2,2-Dichloropropane	77	3.708	3.708	0.0	62	2159602	43.1	
41 2-Butanone (MEK)	43	3.731	3.731	0.0	99	1367580	77.3	
47 Chlorobromomethane	128	3.909	3.909	0.0	91	1094859	38.8	
48 Tetrahydrofuran	42	3.945	3.945	0.0	91	424334	38.0	
49 Chloroform	83	3.980	3.980	0.0	81	3791768	38.3	
50 1,1,1-Trichloroethane	97	4.123	4.123	0.0	89	3100765	42.8	
51 Cyclohexane	56	4.170	4.158	0.012	90	3643305	40.9	
53 Carbon tetrachloride	117	4.253	4.253	0.0	75	2740150	41.2	
52 1,1-Dichloropropene	75	4.253	4.253	0.0	93	2909386	41.2	
55 Benzene	78	4.431	4.431	0.0	95	8154311	39.1	
56 1,2-Dichloroethane	62	4.443	4.443	0.0	92	2821535	38.9	
60 Trichloroethene	130	4.965	4.965	0.001	93	2212120	40.0	
63 Methylcyclohexane	83	5.131	5.131	0.0	89	3234226	41.2	
62 1,2-Dichloropropane	63	5.154	5.154	0.0	92	1837222	39.6	
65 Dibromomethane	93	5.261	5.261	0.0	86	1058568	40.4	
66 1,4-Dioxane	88	5.285	5.285	0.0	94	465497	1336.1	
67 Dichlorobromomethane	83	5.392	5.391	0.001	94	2313169	44.1	
69 2-Chloroethyl vinyl ether	63	5.664	5.664	0.0	93	1400212	83.1	
70 cis-1,3-Dichloropropene	75	5.783	5.783	0.0	93	2435869	40.6	
71 4-Methyl-2-pentanone (MIBK)	43	5.925	5.925	0.0	97	2642271	82.6	
72 Toluene	91	6.067	6.067	0.0	97	8058331	40.3	
73 trans-1,3-Dichloropropene	75	6.269	6.269	0.0	90	1866584	47.9	
74 Ethyl methacrylate	69	6.352	6.352	0.0	90	1801497	43.4	
75 1,1,2-Trichloroethane	97	6.435	6.423	0.012	87	1272036	38.3	
77 Tetrachloroethene	164	6.554	6.554	0.0	91	1632762	40.1	
76 1,3-Dichloropropane	76	6.577	6.577	0.0	90	2366216	39.3	
78 2-Hexanone	43	6.660	6.660	0.0	97	1568624	79.7	
79 Chlorodibromomethane	129	6.779	6.779	0.0	87	1467107	46.2	
123 Ethylene Dibromide	107	6.874	6.874	0.0	98	1288061	40.5	
82 Chlorobenzene	112	7.324	7.324	0.0	94	4742117	38.3	
83 1,1,1,2-Tetrachloroethane	131	7.407	7.407	0.0	88	1776296	43.6	
84 Ethylbenzene	106	7.431	7.431	0.0	97	2613472	39.8	
10 m-Xylene & p-Xylene	91	7.538	7.538	0.0	92	13107573	79.7	
85 o-Xylene	106	7.906	7.905	0.001	97	3222363	38.9	
86 Styrene	104	7.917	7.917	0.0	92	5040695	39.3	
87 Bromoform	173	8.095	8.095	0.0	99	796929	47.0	
88 Isopropylbenzene	105	8.261	8.261	0.0	95	8076132	40.8	
91 Bromobenzene	156	8.534	8.534	0.0	93	1973669	39.8	
90 1,1,2,2-Tetrachloroethane	83	8.546	8.546	0.0	83	1534367	39.7	
92 1,2,3-Trichloropropane	110	8.581	8.581	0.0	70	511720	38.8	
93 trans-1,4-Dichloro-2-butene	53	8.605	8.605	0.0	40	199806	35.8	
94 N-Propylbenzene	120	8.653	8.653	0.001	98	1987154	42.0	
95 2-Chlorotoluene	126	8.724	8.724	0.0	96	1828016	40.3	
96 1,3,5-Trimethylbenzene	105	8.819	8.819	0.0	89	6172748	41.8	
104 4-Chlorotoluene	91	8.831	8.830	0.0	99	5840838	39.8	
97 tert-Butylbenzene	119	9.127	9.127	0.0	90	5200779	44.4	
98 1,2,4-Trimethylbenzene	105	9.174	9.174	0.0	96	6224324	40.7	
99 sec-Butylbenzene	105	9.340	9.340	0.0	94	6941085	43.3	
100 1,3-Dichlorobenzene	146	9.447	9.435	0.012	97	3408552	37.6	
101 4-Isopropyltoluene	119	9.495	9.494	0.001	91	5926789	41.8	
102 1,4-Dichlorobenzene	146	9.530	9.530	0.0	96	3524607	37.4	
105 n-Butylbenzene	91	9.886	9.886	0.0	96	4925356	40.2	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
106 1,2-Dichlorobenzene	146	9.886	9.886	0.0	81	3403582	37.5	
107 1,2-Dibromo-3-Chloropropane	157	10.657	10.657	0.0	91	237133	39.0	
108 1,3,5-Trichlorobenzene	180	10.858	10.858	0.0	95	2229544	32.9	
109 1,2,4-Trichlorobenzene	180	11.463	11.463	0.0	92	1993145	31.2	
110 Hexachlorobutadiene	225	11.641	11.641	0.0	92	870680	39.9	
111 Naphthalene	128	11.700	11.700	0.0	96	4138676	32.3	
112 1,2,3-Trichlorobenzene	180	11.937	11.937	0.0	93	1432422	40.3	
S 137 Trihalomethanes, Total	1				0		175.6	
S 11 1,2-Dichloroethene, Total	96				0		76.9	
S 9 1,3-Dichloropropene, Total	75				0		88.5	
S 114 Xylenes, Total	106				0		118.6	

Report Date: 30-Apr-2012 08:42:34

Chrom Revision: 2.0 08-Feb-2012 11:07:54

Data File: \\Ncchrom\ChromData\A3UX15\20120429-9503.b\UXC3076.D

Injection Date: 29-Apr-2012 11:24:30

Limit Group: MSV 8260B ICAL

Client ID:

Instrument ID: A3UX15

Lims Batch ID: 42081

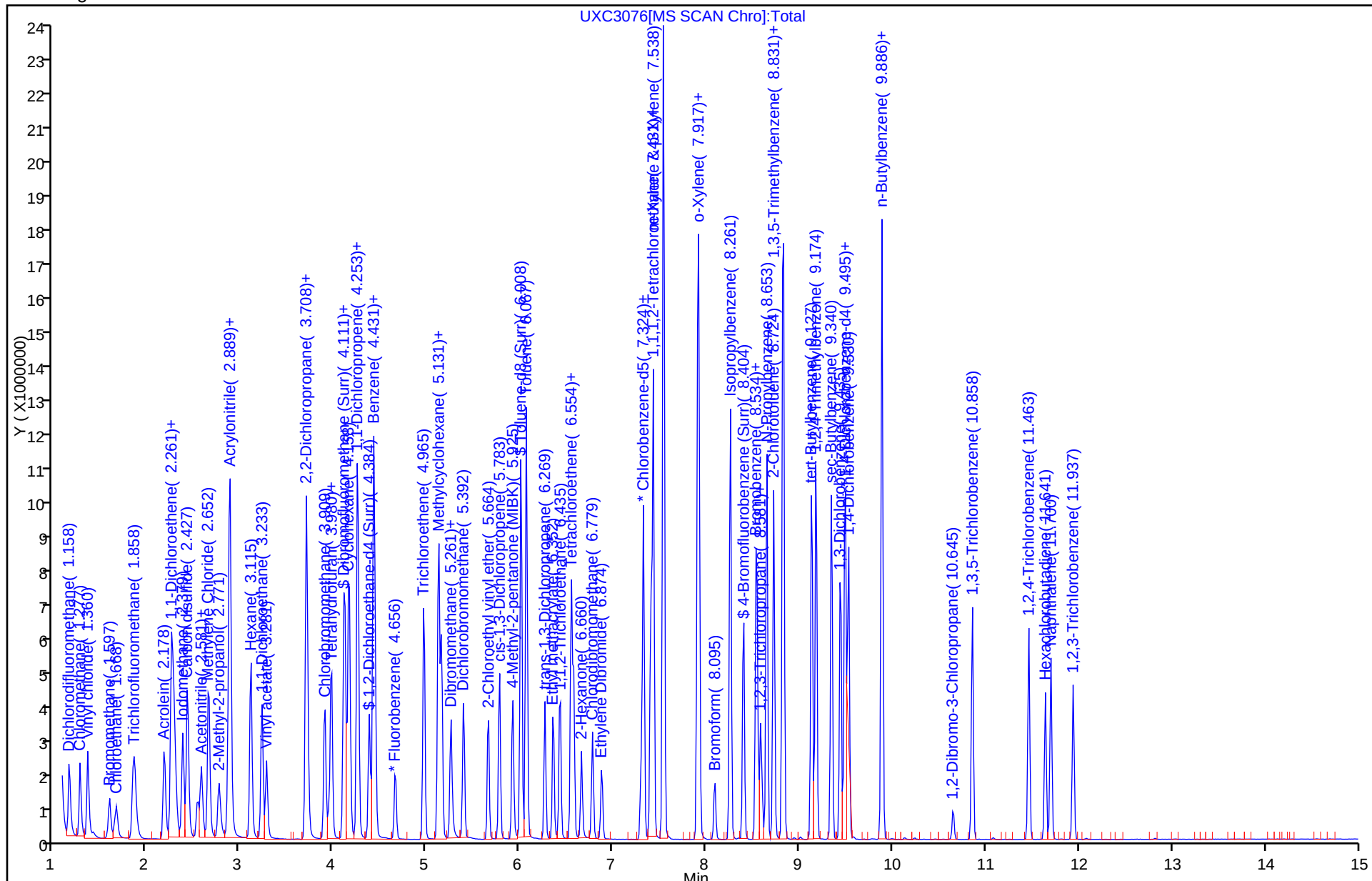
Lims Sample ID: 2

Operator ID: 43582

Column Type: DB-624

Column Dia: 0.18 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX15\20120429-9503.b\UXC3077.D
 Lims ID: STD8260 L5 Client ID:
 Inject. Date: 29-Apr-2012 11:47:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: 240-0009503-003
 Misc. Info.: C20429A,8260LLUX15,,43582
 Operator: 43582 Instrument ID: A3UX15
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 42081 Lims Sample ID: 3
 Sublist: chrom-8260_15*sub20
 Detector: MS SCAN
 Method: \\Ncchrom\ChromData\A3UX15\20120429-9503.b\8260_15.m
 Last Update: 30-Apr-2012 08:42:34 Calib Date: 29-Apr-2012 15:33:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A3UX15\20120429-9503.b\UXC3087.D
 Limit Group: MSV 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-18

First Level Reviewer: evansle

Date: 29-Apr-2012 12:39:53

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	4.656	4.668	-0.012	99	1637773	10.0	
* 2 Chlorobenzene-d5	117	7.301	7.301	0.0	83	1098085	10.0	
* 3 1,4-Dichlorobenzene-d4	152	9.506	9.506	0.0	93	576223	10.0	
\$ 5 Dibromofluoromethane (Surr)	113	4.111	4.111	0.0	64	1001096	19.6	
\$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.383	4.383	0.0	0	1192270	19.4	
\$ 7 Toluene-d8 (Surr)	98	6.008	6.008	0.0	93	3512483	19.8	
\$ 131 4-Bromofluorobenzene (Surr)	95	8.403	8.403	0.0	96	1089849	19.5	
12 Dichlorodifluoromethane	85	1.158	1.158	0.0	88	1002000	19.6	
13 Chloromethane	50	1.276	1.277	-0.001	89	1165723	18.7	
14 Vinyl chloride	62	1.359	1.360	-0.001	83	1113570	19.1	
15 Bromomethane	94	1.597	1.597	0.0	89	513289	18.1	
16 Chloroethane	64	1.668	1.668	0.0	95	583416	18.3	
18 Trichlorofluoromethane	101	1.857	1.858	-0.001	87	1359721	19.7	
20 Acrolein	56	2.178	2.178	0.0	94	1262602	202.3	
21 1,1-Dichloroethene	96	2.261	2.261	0.0	90	942598	20.1	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.284	2.284	0.0	90	792098	18.5	
22 Acetone	43	2.308	2.308	0.0	98	517489	39.7	
24 Iodomethane	142	2.379	2.379	0.0	99	1854986	19.6	
26 Carbon disulfide	76	2.427	2.427	0.0	99	3010486	20.9	
27 Acetonitrile	41	2.545	2.545	0.0	99	944809	198.6	
28 Methyl acetate	43	2.581	2.581	0.0	98	1325040	40.2	
30 Methylene Chloride	84	2.664	2.664	0.0	89	1165105	20.4	
31 2-Methyl-2-propanol	59	2.771	2.771	0.0	91	986371	422.1	
32 Acrylonitrile	53	2.865	2.866	-0.001	98	661945	40.2	
33 trans-1,2-Dichloroethene	96	2.889	2.889	0.0	94	1091537	19.6	
34 Methyl tert-butyl ether	73	2.889	2.889	0.0	91	2528791	20.0	
35 Hexane	86	3.115	3.115	-0.001	95	198487	18.3	
36 1,1-Dichloroethane	63	3.233	3.233	0.0	85	1929222	20.0	
37 Vinyl acetate	86	3.281	3.281	0.0	96	154989	20.6	
42 cis-1,2-Dichloroethene	96	3.707	3.708	-0.001	70	1200241	19.9	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
43 2,2-Dichloropropane	77	3.707	3.708	-0.001	60	1052714	20.6	
41 2-Butanone (MEK)	43	3.731	3.731	0.0	99	731298	40.5	
47 Chlorobromomethane	128	3.909	3.909	0.0	92	576990	20.0	
48 Tetrahydrofuran	42	3.945	3.945	0.0	91	232360	20.4	
49 Chloroform	83	3.980	3.980	0.0	80	2006949	19.8	
50 1,1,1-Trichloroethane	97	4.122	4.123	-0.001	90	1539149	20.8	
51 Cyclohexane	56	4.158	4.158	0.0	92	1671708	18.6	
53 Carbon tetrachloride	117	4.253	4.253	0.0	71	1288662	19.2	
52 1,1-Dichloropropene	75	4.253	4.253	0.0	93	1482413	20.6	
55 Benzene	78	4.431	4.431	0.0	95	4236712	19.9	
56 1,2-Dichloroethane	62	4.443	4.443	0.0	90	1520118	20.5	
60 Trichloroethene	130	4.964	4.965	0.0	94	1149156	20.4	
63 Methylcyclohexane	83	5.130	5.131	-0.001	86	1464283	18.5	
62 1,2-Dichloropropane	63	5.154	5.154	0.0	92	962284	20.3	
65 Dibromomethane	93	5.261	5.261	0.0	86	557180	20.8	
66 1,4-Dioxane	88	5.285	5.285	0.0	94	428252	1071.8	
67 Dichlorobromomethane	83	5.391	5.391	0.0	94	1182023	22.1	
69 2-Chloroethyl vinyl ether	63	5.664	5.664	0.0	93	760602	44.2	
70 cis-1,3-Dichloropropene	75	5.783	5.783	0.0	92	1251478	20.7	
71 4-Methyl-2-pentanone (MIBK)	43	5.925	5.925	0.0	97	1408192	43.2	
72 Toluene	91	6.067	6.067	0.0	97	4195177	20.2	
73 trans-1,3-Dichloropropene	75	6.269	6.269	0.0	90	943782	23.3	
74 Ethyl methacrylate	69	6.352	6.352	0.0	90	957399	22.2	
75 1,1,2-Trichloroethane	97	6.435	6.423	0.012	87	695416	20.2	
77 Tetrachloroethene	164	6.553	6.554	-0.001	91	842886	20.0	
76 1,3-Dichloropropane	76	6.577	6.577	0.0	90	1262595	20.2	
78 2-Hexanone	43	6.660	6.660	0.0	97	886564	43.4	
79 Chlorodibromomethane	129	6.779	6.779	0.0	89	744213	22.6	
123 Ethylene Dibromide	107	6.874	6.874	0.0	99	714069	21.6	
82 Chlorobenzene	112	7.324	7.324	0.0	94	2564572	20.0	
83 1,1,1,2-Tetrachloroethane	131	7.407	7.407	0.0	88	920179	21.8	
84 Ethylbenzene	106	7.431	7.431	0.0	98	1380004	20.2	
10 m-Xylene & p-Xylene	91	7.538	7.538	0.0	92	6976096	40.9	
85 o-Xylene	106	7.905	7.905	0.0	97	1720705	20.0	
86 Styrene	104	7.917	7.917	0.0	92	2726542	20.5	
87 Bromoform	173	8.095	8.095	0.0	98	406929	23.1	
88 Isopropylbenzene	105	8.261	8.261	0.0	95	4331099	21.1	
91 Bromobenzene	156	8.534	8.534	0.0	81	1106765	20.2	
90 1,1,2,2-Tetrachloroethane	83	8.546	8.546	0.0	83	860615	20.2	
92 1,2,3-Trichloropropane	110	8.581	8.581	0.0	70	294536	20.3	
93 trans-1,4-Dichloro-2-butene	53	8.605	8.605	0.0	50	148567	24.1	
94 N-Propylbenzene	120	8.652	8.653	0.0	98	1065005	20.4	
95 2-Chlorotoluene	126	8.724	8.724	0.0	96	1012473	20.2	
96 1,3,5-Trimethylbenzene	105	8.818	8.819	-0.001	89	3389043	20.8	
104 4-Chlorotoluene	91	8.830	8.830	0.0	98	3271446	20.2	
97 tert-Butylbenzene	119	9.127	9.127	0.0	90	2776332	21.5	
98 1,2,4-Trimethylbenzene	105	9.174	9.174	0.0	97	3457892	20.5	
99 sec-Butylbenzene	105	9.340	9.340	0.0	93	3738591	21.1	
100 1,3-Dichlorobenzene	146	9.435	9.435	0.0	97	1965208	19.7	
101 4-Isopropyltoluene	119	9.483	9.494	-0.011	90	3307425	21.1	
102 1,4-Dichlorobenzene	146	9.530	9.530	0.0	96	2015089	19.3	
105 n-Butylbenzene	91	9.886	9.886	0.0	97	2787378	20.6	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
106 1,2-Dichlorobenzene	146	9.886	9.886	0.0	82	1975869	19.7	
107 1,2-Dibromo-3-Chloropropane	157	10.657	10.657	-0.001	90	143912	21.5	
108 1,3,5-Trichlorobenzene	180	10.858	10.858	0.0	97	1428620	19.1	
109 1,2,4-Trichlorobenzene	180	11.463	11.463	0.0	92	1322106	18.7	
110 Hexachlorobutadiene	225	11.641	11.641	0.0	92	658611	20.3	
111 Naphthalene	128	11.700	11.700	0.0	96	2741561	19.4	
112 1,2,3-Trichlorobenzene	180	11.937	11.937	0.0	95	1064803	19.5	
S 137 Trihalomethanes, Total	1				0		87.6	
S 11 1,2-Dichloroethene, Total	96				0		39.5	
S 9 1,3-Dichloropropene, Total	75				0		44.0	
S 114 Xylenes, Total	106				0		60.9	

Report Date: 30-Apr-2012 08:42:34

Chrom Revision: 2.0 08-Feb-2012 11:07:54

Data File: \\Ncchrom\ChromData\A3UX15\20120429-9503.b\UXC3077.D

Injection Date: 29-Apr-2012 11:47:30

Limit Group: MSV 8260B ICAL

Client ID:

Instrument ID: A3UX15

Lims Batch ID: 42081

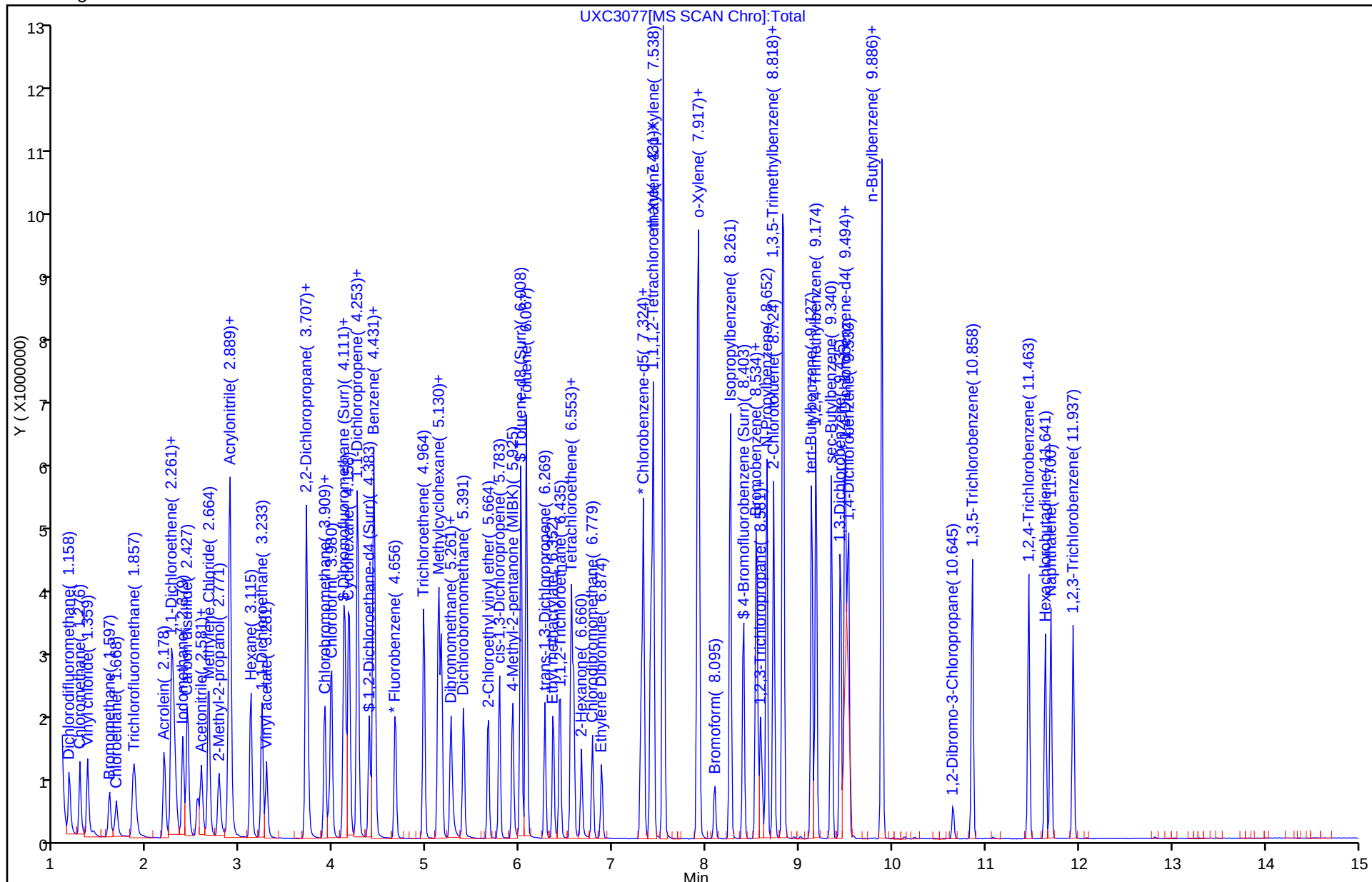
Lims Sample ID: 3

Operator ID: 43582

Column Type: DB-624

Column Dia: 0.18 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX15\20120429-9503.b\UXC3078.D
 Lims ID: STD8260 L4 Client ID:
 Inject. Date: 29-Apr-2012 12:09:30 Dil. Factor: 1.0000
 Sample Type: ICIS Calib Level: 4
 Sample ID: 240-0009503-004
 Misc. Info.: C20429A,8260LLUX15,,43582
 Operator: 43582 Instrument ID: A3UX15
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 42081 Lims Sample ID: 4
 Sublist: chrom-8260_15*sub20
 Detector: MS SCAN
 Method: \\Ncchrom\ChromData\A3UX15\20120429-9503.b\8260_15.m
 Last Update: 30-Apr-2012 08:42:35 Calib Date: 29-Apr-2012 15:33:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A3UX15\20120429-9503.b\UXC3087.D
 Limit Group: MSV 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-18

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	4.656	4.656	0.0	99	1555823	10.0	
* 2 Chlorobenzene-d5	117	7.301	7.301	0.0	83	1052295	10.0	
* 3 1,4-Dichlorobenzene-d4	152	9.506	9.506	0.0	94	548707	10.0	
\$ 5 Dibromofluoromethane (Surr)	113	4.111	4.111	0.0	60	453133	9.35	
\$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.383	4.383	0.0	0	567405	9.72	
\$ 7 Toluene-d8 (Surr)	98	6.008	6.008	0.0	93	1613862	9.47	
\$ 131 4-Bromofluorobenzene (Surr)	95	8.403	8.403	0.0	96	497810	9.29	
12 Dichlorodifluoromethane	85	1.158	1.158	0.0	87	552710	11.4	
13 Chloromethane	50	1.277	1.277	0.0	89	593837	10.0	
14 Vinyl chloride	62	1.360	1.360	0.0	82	577601	10.4	
15 Bromomethane	94	1.597	1.597	0.0	91	280423	10.4	
16 Chloroethane	64	1.668	1.668	0.0	95	314098	10.4	
18 Trichlorofluoromethane	101	1.858	1.858	0.0	87	734106	11.2	
20 Acrolein	56	2.178	2.178	0.0	96	599405	101.1	
21 1,1-Dichloroethene	96	2.261	2.261	0.0	90	456310	10.3	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.284	2.284	0.0	82	435164	10.8	
22 Acetone	43	2.308	2.308	0.0	97	260570	20.2	
24 Iodomethane	142	2.379	2.379	0.0	99	873811	9.73	
26 Carbon disulfide	76	2.427	2.427	0.0	99	1404641	10.3	
27 Acetonitrile	41	2.545	2.545	0.0	100	457692	101.3	
28 Methyl acetate	43	2.581	2.581	0.0	98	607500	19.4	
30 Methylene Chloride	84	2.664	2.664	0.0	89	571538	10.1	
31 2-Methyl-2-propanol	59	2.771	2.771	0.0	91	456949	205.8	
32 Acrylonitrile	53	2.866	2.866	0.0	99	317552	20.3	
33 trans-1,2-Dichloroethene	96	2.889	2.889	0.0	94	509184	9.62	
34 Methyl tert-butyl ether	73	2.889	2.889	0.0	91	1164799	9.70	
35 Hexane	86	3.115	3.115	0.0	94	107536	10.6	
36 1,1-Dichloroethane	63	3.233	3.233	0.0	85	878115	9.59	
37 Vinyl acetate	86	3.281	3.281	0.0	96	64828	9.29	
42 cis-1,2-Dichloroethene	96	3.708	3.708	0.0	71	550251	9.61	
43 2,2-Dichloropropane	77	3.708	3.708	0.0	61	493778	10.2	
41 2-Butanone (MEK)	43	3.731	3.731	0.0	99	321325	18.7	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
47 Chlorobromomethane	128	3.909	3.909	0.0	91	269887	9.87	
48 Tetrahydrofuran	42	3.945	3.945	0.0	90	107614	9.93	
49 Chloroform	83	3.980	3.980	0.0	81	915801	9.53	
50 1,1,1-Trichloroethane	97	4.123	4.123	0.0	89	714511	10.2	
51 Cyclohexane	56	4.158	4.158	0.0	92	878562	10.4	
53 Carbon tetrachloride	117	4.253	4.253	0.0	68	597865	9.61	
52 1,1-Dichloropropene	75	4.253	4.253	0.0	93	701470	10.3	
55 Benzene	78	4.431	4.431	0.0	95	1914371	9.48	
56 1,2-Dichloroethane	62	4.443	4.443	0.0	87	673312	9.57	
60 Trichloroethene	130	4.965	4.965	0.0	93	518792	9.68	
63 Methylcyclohexane	83	5.131	5.131	0.0	88	770537	10.4	
62 1,2-Dichloropropane	63	5.154	5.154	0.0	92	438496	9.74	
65 Dibromomethane	93	5.261	5.261	0.0	87	246150	9.69	
66 1,4-Dioxane	88	5.285	5.285	0.0	94	200457	441.1	
67 Dichlorobromomethane	83	5.391	5.391	0.0	93	488414	9.60	
69 2-Chloroethyl vinyl ether	63	5.664	5.664	0.0	92	307834	18.8	
70 cis-1,3-Dichloropropene	75	5.783	5.783	0.0	90	493739	8.90	
71 4-Methyl-2-pentanone (MIBK)	43	5.925	5.925	0.0	97	610028	19.7	
72 Toluene	91	6.067	6.067	0.0	98	1845940	9.27	
73 trans-1,3-Dichloropropene	75	6.269	6.269	0.0	91	367896	9.49	
74 Ethyl methacrylate	69	6.352	6.352	0.0	92	407039	9.86	
75 1,1,2-Trichloroethane	97	6.423	6.423	0.0	86	312603	9.45	
77 Tetrachloroethene	164	6.554	6.554	0.0	92	396984	9.81	
76 1,3-Dichloropropane	76	6.577	6.577	0.0	91	556209	9.29	
78 2-Hexanone	43	6.660	6.660	0.0	96	379725	19.4	
79 Chlorodibromomethane	129	6.779	6.779	0.0	87	297623	9.42	
123 Ethylene Dibromide	107	6.874	6.874	0.0	99	299894	9.48	
82 Chlorobenzene	112	7.324	7.324	0.0	93	1136340	9.23	
83 1,1,1,2-Tetrachloroethane	131	7.407	7.407	0.0	92	406255	10.0	
84 Ethylbenzene	106	7.431	7.431	0.0	97	630336	9.65	
10 m-Xylene & p-Xylene	91	7.538	7.538	0.0	93	3160329	19.3	
85 o-Xylene	106	7.905	7.905	0.0	97	790781	9.60	
86 Styrene	104	7.917	7.917	0.0	91	1208712	9.48	
87 Bromoform	173	8.095	8.095	0.0	89	159757	9.48	
88 Isopropylbenzene	105	8.261	8.261	0.0	95	1948623	9.89	
91 Bromobenzene	156	8.534	8.534	0.0	91	507060	9.73	
90 1,1,2,2-Tetrachloroethane	83	8.546	8.546	0.0	87	396588	9.75	
92 1,2,3-Trichloropropane	110	8.581	8.581	0.0	79	130865	9.45	
93 trans-1,4-Dichloro-2-butene	53	8.605	8.605	0.0	39	56664	9.65	
94 N-Propylbenzene	120	8.653	8.653	0.0	98	504320	10.1	
95 2-Chlorotoluene	126	8.724	8.724	0.0	96	473324	9.93	
96 1,3,5-Trimethylbenzene	105	8.819	8.819	0.0	89	1522817	9.80	
104 4-Chlorotoluene	91	8.830	8.830	0.0	98	1491861	9.67	
97 tert-Butylbenzene	119	9.127	9.127	0.0	89	1248826	10.1	
98 1,2,4-Trimethylbenzene	105	9.174	9.174	0.0	97	1592120	9.91	
99 sec-Butylbenzene	105	9.340	9.340	0.0	94	1744989	10.3	
100 1,3-Dichlorobenzene	146	9.435	9.435	0.0	97	917532	9.64	
101 4-Isopropyltoluene	119	9.494	9.494	0.0	91	1501409	10.1	
102 1,4-Dichlorobenzene	146	9.530	9.530	0.0	95	930874	9.39	
105 n-Butylbenzene	91	9.886	9.886	0.0	97	1292525	10.0	
106 1,2-Dichlorobenzene	146	9.886	9.886	0.0	81	928187	9.72	
107 1,2-Dibromo-3-Chloropropane	157	10.657	10.657	0.0	83	66735	10.5	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
108 1,3,5-Trichlorobenzene	180	10.858	10.858	0.0	97	700773	9.83	
109 1,2,4-Trichlorobenzene	180	11.463	11.463	0.0	93	663313	9.88	
110 Hexachlorobutadiene	225	11.641	11.641	0.0	91	340967	9.68	
111 Naphthalene	128	11.700	11.700	0.0	96	1461861	10.9	
112 1,2,3-Trichlorobenzene	180	11.937	11.937	0.0	96	605370	10.2	
S 137 Trihalomethanes, Total	1				0		38.0	
S 11 1,2-Dichloroethene, Total	96				0		19.2	
S 9 1,3-Dichloropropene, Total	75				0		18.4	
S 114 Xylenes, Total	106				0		28.9	

Report Date: 30-Apr-2012 08:42:35

Chrom Revision: 2.0 08-Feb-2012 11:07:54

Data File: \\Ncchrom\ChromData\A3UX15\20120429-9503.b\UXC3078.D

Injection Date: 29-Apr-2012 12:09:30

Limit Group: MSV 8260B ICAL

Client ID:

Instrument ID: A3UX15

Lims Batch ID: 42081

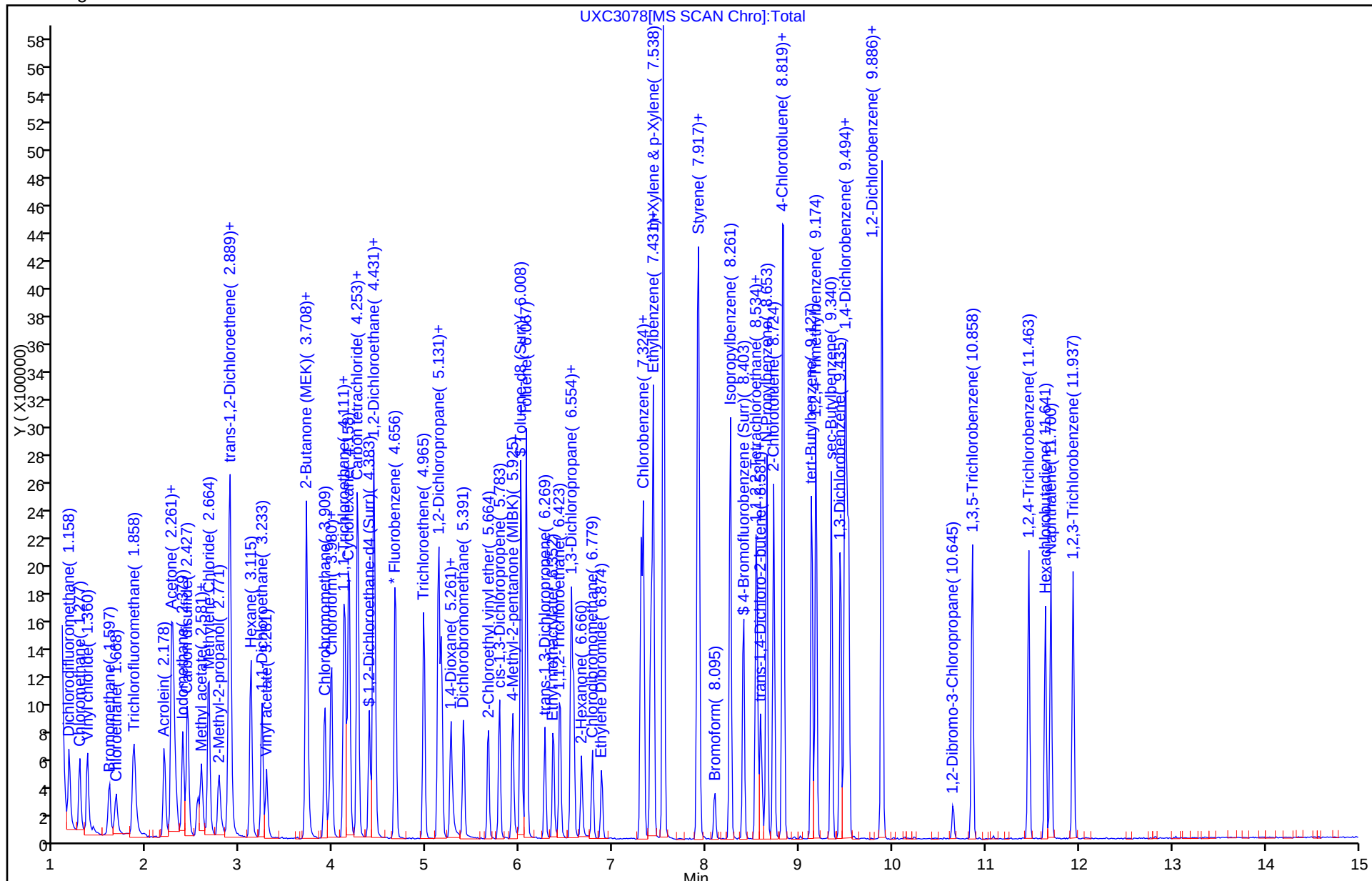
Lims Sample ID: 4

Operator ID: 43582

Column Type: DB-624

Column Dia: 0.18 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX15\20120429-9503.b\UXC3079.D
 Lims ID: STD8260 L3 Client ID:
 Inject. Date: 29-Apr-2012 12:32:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: 240-0009503-005
 Misc. Info.: C20429A,8260LLUX15,,43582
 Operator: 43582 Instrument ID: A3UX15
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 42081 Lims Sample ID: 5
 Sublist: chrom-8260_15*sub20
 Detector: MS SCAN
 Method: \\Ncchrom\ChromData\A3UX15\20120429-9503.b\8260_15.m
 Last Update: 30-Apr-2012 08:42:36 Calib Date: 29-Apr-2012 15:33:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A3UX15\20120429-9503.b\UXC3087.D
 Limit Group: MSV 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-18

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	4.668	4.656	0.012	99	1511819	10.0	
* 2 Chlorobenzene-d5	117	7.301	7.301	0.0	83	995616	10.0	
* 3 1,4-Dichlorobenzene-d4	152	9.506	9.506	0.0	93	540894	10.0	
\$ 5 Dibromofluoromethane (Surr)	113	4.111	4.111	0.0	60	244997	5.20	
\$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.383	4.383	0.0	0	293241	5.17	
\$ 7 Toluene-d8 (Surr)	98	6.008	6.008	0.0	92	822828	5.10	
\$ 131 4-Bromofluorobenzene (Surr)	95	8.392	8.403	-0.011	93	271711	5.36	
12 Dichlorodifluoromethane	85	1.170	1.158	0.012	87	232130	4.93	
13 Chloromethane	50	1.276	1.277	-0.001	88	304583	5.29	
14 Vinyl chloride	62	1.359	1.360	-0.001	82	276648	5.13	
15 Bromomethane	94	1.597	1.597	0.0	91	132219	5.04	
16 Chloroethane	64	1.668	1.668	0.0	93	151990	5.18	
18 Trichlorofluoromethane	101	1.858	1.858	0.0	84	314435	4.93	
20 Acrolein	56	2.190	2.178	0.012	94	311121	54.0	
21 1,1-Dichloroethene	96	2.261	2.261	0.0	98	228777	5.30	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.284	2.284	0.0	82	196492	5.16	
22 Acetone	43	2.308	2.308	0.0	95	138348	10.2	
24 Iodomethane	142	2.379	2.379	0.0	99	458153	5.25	
26 Carbon disulfide	76	2.439	2.427	0.012	99	670432	5.05	
27 Acetonitrile	41	2.545	2.545	0.0	100	230680	52.5	
28 Methyl acetate	43	2.581	2.581	0.0	99	328210	10.8	
30 Methylene Chloride	84	2.664	2.664	0.0	89	319243	5.44	
31 2-Methyl-2-propanol	59	2.771	2.771	0.0	89	227159	105.3	
32 Acrylonitrile	53	2.865	2.866	-0.001	95	155614	10.2	
33 trans-1,2-Dichloroethene	96	2.889	2.889	0.0	94	271370	5.28	
34 Methyl tert-butyl ether	73	2.889	2.889	0.0	91	615841	5.28	
35 Hexane	86	3.115	3.115	-0.001	93	42639	4.57	
36 1,1-Dichloroethane	63	3.233	3.233	0.0	85	468585	5.26	
37 Vinyl acetate	86	3.281	3.281	0.0	97	33152	5.09	
42 cis-1,2-Dichloroethene	96	3.707	3.708	-0.001	72	298076	5.35	
43 2,2-Dichloropropane	77	3.707	3.708	-0.001	60	247892	5.25	
41 2-Butanone (MEK)	43	3.731	3.731	0.0	99	182681	11.0	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
47 Chlorobromomethane	128	3.909	3.909	0.0	91	140113	5.27	
48 Tetrahydrofuran	42	3.945	3.945	0.0	89	54512	5.18	
49 Chloroform	83	3.980	3.980	0.0	81	493176	5.28	
50 1,1,1-Trichloroethane	97	4.122	4.123	-0.001	92	351243	5.15	
51 Cyclohexane	56	4.170	4.158	0.012	91	402277	5.11	
53 Carbon tetrachloride	117	4.265	4.253	0.012	70	280724	4.87	
52 1,1-Dichloropropene	75	4.253	4.253	0.0	92	340451	5.12	
55 Benzene	78	4.431	4.431	0.0	96	1028569	5.24	
56 1,2-Dichloroethane	62	4.443	4.443	0.0	89	357192	5.22	
60 Trichloroethene	130	4.976	4.965	0.012	93	262863	5.05	
63 Methylcyclohexane	83	5.130	5.131	-0.001	89	326907	4.78	
62 1,2-Dichloropropane	63	5.154	5.154	0.0	91	232542	5.31	
65 Dibromomethane	93	5.261	5.261	0.0	84	130105	5.27	
66 1,4-Dioxane	88	5.285	5.285	0.0	93	111818	259.9	
67 Dichlorobromomethane	83	5.391	5.391	0.0	93	251807	5.10	
69 2-Chloroethyl vinyl ether	63	5.664	5.664	0.0	90	170465	10.7	
70 cis-1,3-Dichloropropene	75	5.783	5.783	0.0	89	239682	4.71	
71 4-Methyl-2-pentanone (MIBK)	43	5.925	5.925	0.0	97	322116	10.7	
72 Toluene	91	6.067	6.067	0.0	98	994743	5.28	
73 trans-1,3-Dichloropropene	75	6.269	6.269	0.0	89	179673	4.90	
74 Ethyl methacrylate	69	6.352	6.352	0.0	90	207801	5.32	
75 1,1,2-Trichloroethane	97	6.435	6.423	0.012	85	164942	5.27	
77 Tetrachloroethene	164	6.553	6.554	-0.001	93	198655	5.19	
76 1,3-Dichloropropane	76	6.577	6.577	0.0	90	295042	5.21	
78 2-Hexanone	43	6.660	6.660	0.0	99	196381	10.6	
79 Chlorodibromomethane	129	6.779	6.779	0.0	87	152570	5.10	
123 Ethylene Dibromide	107	6.874	6.874	0.0	99	152577	5.10	
82 Chlorobenzene	112	7.324	7.324	0.0	94	609313	5.23	
83 1,1,1,2-Tetrachloroethane	131	7.407	7.407	0.0	86	198402	5.18	
84 Ethylbenzene	106	7.431	7.431	0.0	98	330774	5.35	
10 m-Xylene & p-Xylene	91	7.538	7.538	0.0	93	1620992	10.5	
85 o-Xylene	106	7.905	7.905	0.0	97	413867	5.31	
86 Styrene	104	7.917	7.917	0.0	88	641934	5.32	
87 Bromoform	173	8.095	8.095	0.0	97	75407	4.73	
88 Isopropylbenzene	105	8.261	8.261	0.0	95	981994	5.27	
91 Bromobenzene	156	8.534	8.534	0.0	89	272735	5.31	
90 1,1,2,2-Tetrachloroethane	83	8.546	8.546	0.0	86	210875	5.26	
92 1,2,3-Trichloropropane	110	8.581	8.581	0.0	81	67461	4.94	
93 trans-1,4-Dichloro-2-butene	53	8.605	8.605	0.0	25	30915	5.34	
94 N-Propylbenzene	120	8.652	8.653	0.0	97	263105	5.37	
95 2-Chlorotoluene	126	8.724	8.724	0.0	96	245005	5.21	
96 1,3,5-Trimethylbenzene	105	8.818	8.819	-0.001	89	797695	5.21	
104 4-Chlorotoluene	91	8.830	8.830	0.0	98	796747	5.24	
97 tert-Butylbenzene	119	9.127	9.127	0.0	89	625847	5.16	
98 1,2,4-Trimethylbenzene	105	9.174	9.174	0.0	96	830903	5.25	
99 sec-Butylbenzene	105	9.340	9.340	0.0	94	879891	5.29	
100 1,3-Dichlorobenzene	146	9.447	9.435	0.012	97	484562	5.16	
101 4-Isopropyltoluene	119	9.494	9.494	0.0	91	780605	5.32	
102 1,4-Dichlorobenzene	146	9.530	9.530	0.0	96	509371	5.21	
105 n-Butylbenzene	91	9.886	9.886	0.0	97	666185	5.25	
106 1,2-Dichlorobenzene	146	9.886	9.886	0.0	83	499785	5.31	
107 1,2-Dibromo-3-Chloropropane	157	10.657	10.657	-0.001	70	30907	4.91	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
108 1,3,5-Trichlorobenzene	180	10.858	10.858	0.0	96	379759	5.41	
109 1,2,4-Trichlorobenzene	180	11.463	11.463	0.0	93	380771	5.75	
110 Hexachlorobutadiene	225	11.641	11.641	0.0	92	183505	5.03	
111 Naphthalene	128	11.700	11.700	0.0	96	764259	5.75	
112 1,2,3-Trichlorobenzene	180	11.937	11.937	0.0	95	347345	5.49	
S 137 Trihalomethanes, Total	1				0		20.2	
S 11 1,2-Dichloroethene, Total	96				0		10.6	
S 9 1,3-Dichloropropene, Total	75				0		9.61	
S 114 Xylenes, Total	106				0		15.8	

Report Date: 30-Apr-2012 08:42:36

Chrom Revision: 2.0 08-Feb-2012 11:07:54

Data File: \\Ncchrom\ChromData\A3UX15\20120429-9503.b\UXC3079.D

Injection Date: 29-Apr-2012 12:32:30

Limit Group: MSV 8260B ICAL

Client ID:

Instrument ID: A3UX15

Lims Batch ID: 42081

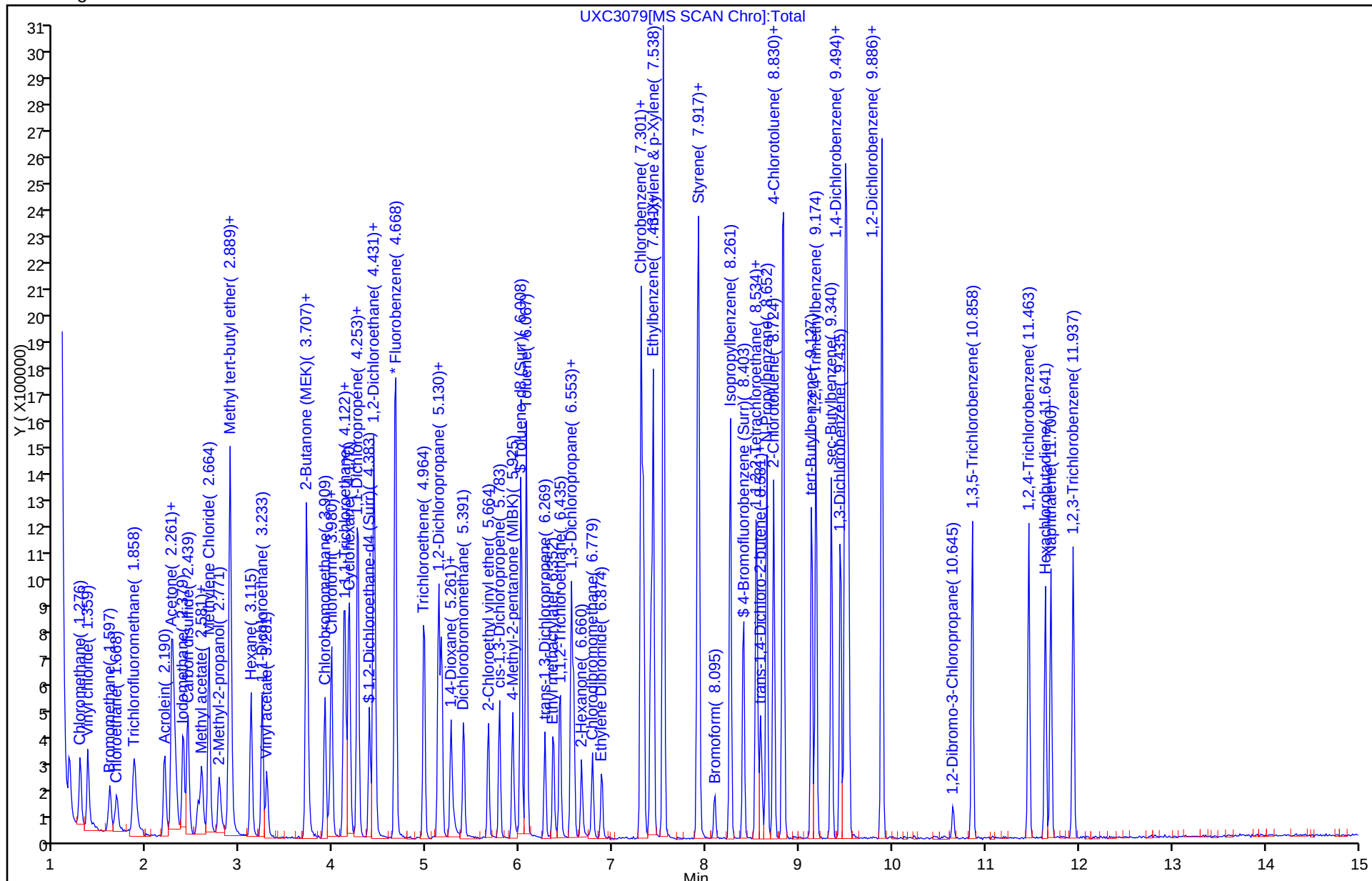
Lims Sample ID: 5

Operator ID: 43582

Column Type: DB-624

Column Dia: 0.18 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX15\20120429-9503.b\UXC3080.D
 Lims ID: STD8260 L2 Client ID:
 Inject. Date: 29-Apr-2012 12:54:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: 240-0009503-006
 Misc. Info.: C20429A,8260LLUX15,,43582
 Operator: 43582 Instrument ID: A3UX15
 Vol. Injected: 1.0000 ALS Bottle#: 5
 Lims Batch ID: 42081 Lims Sample ID: 6
 Sublist: chrom-8260_15*sub20
 Detector: MS SCAN
 Method: \\Ncchrom\ChromData\A3UX15\20120429-9503.b\8260_15.m
 Last Update: 30-Apr-2012 08:42:37 Calib Date: 29-Apr-2012 15:33:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A3UX15\20120429-9503.b\UXC3087.D
 Limit Group: MSV 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-18

First Level Reviewer: evansle

Date: 29-Apr-2012 13:35:24

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	4.668	4.656	0.012	99	1525536	10.0	
* 2 Chlorobenzene-d5	117	7.301	7.301	0.0	83	1014580	10.0	
* 3 1,4-Dichlorobenzene-d4	152	9.506	9.506	0.0	94	551871	10.0	
\$ 5 Dibromofluoromethane (Surr)	113	4.111	4.111	0.0	57	97992	2.06	
\$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.383	4.383	0.0	0	120127	2.10	
\$ 7 Toluene-d8 (Surr)	98	6.008	6.008	0.0	91	333652	2.03	
\$ 131 4-Bromofluorobenzene (Surr)	95	8.403	8.403	0.0	93	110299	2.14	
12 Dichlorodifluoromethane	85	1.158	1.158	0.0	80	90956	1.91	
13 Chloromethane	50	1.276	1.277	-0.001	86	124488	2.14	
14 Vinyl chloride	62	1.359	1.360	-0.001	97	108696	2.00	
15 Bromomethane	94	1.597	1.597	0.0	90	61547	2.32	
16 Chloroethane	64	1.668	1.668	0.0	91	62903	2.12	
18 Trichlorofluoromethane	101	1.857	1.858	-0.001	93	124130	1.93	
20 Acrolein	56	2.190	2.178	0.012	94	109975	18.9	
21 1,1-Dichloroethene	96	2.261	2.261	0.0	89	82415	1.89	
23 1,1,2-Trichloro-1,2,2-trifluoroethane	151	2.284	2.284	0.0	80	75152	2.11	
22 Acetone	43	2.308	2.308	0.0	96	66973	3.92	
24 Iodomethane	142	2.379	2.379	0.0	100	181122	2.06	
26 Carbon disulfide	76	2.439	2.427	0.012	99	255455	1.91	
27 Acetonitrile	41	2.545	2.545	0.0	98	90457	20.4	
28 Methyl acetate	43	2.581	2.581	0.0	96	121960	3.97	
30 Methylene Chloride	84	2.664	2.664	0.0	88	149046	2.05	
31 2-Methyl-2-propanol	59	2.771	2.771	0.0	88	89707	41.2	
32 Acrylonitrile	53	2.865	2.866	-0.001	99	61187	3.99	
34 Methyl tert-butyl ether	73	2.889	2.889	0.0	91	238451	2.03	
33 trans-1,2-Dichloroethene	96	2.889	2.889	0.0	95	106108	2.04	
35 Hexane	86	3.114	3.115	-0.001	92	18608	2.22	
36 1,1-Dichloroethane	63	3.233	3.233	0.0	85	184842	2.06	
37 Vinyl acetate	86	3.281	3.281	-0.001	97	11125	1.98	
42 cis-1,2-Dichloroethene	96	3.707	3.708	-0.001	73	114380	2.04	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
43 2,2-Dichloropropane	77	3.707	3.708	-0.001	57	89775	1.88	
41 2-Butanone (MEK)	43	3.731	3.731	0.0	97	67002	3.98	
47 Chlorobromomethane	128	3.909	3.909	0.0	93	55639	2.07	
48 Tetrahydrofuran	42	3.945	3.945	0.0	78	20729	1.95	
49 Chloroform	83	3.980	3.980	0.0	80	195298	2.07	
50 1,1,1-Trichloroethane	97	4.122	4.123	-0.001	93	135544	1.97	
51 Cyclohexane	56	4.170	4.158	0.012	88	147304	2.09	
52 1,1-Dichloropropene	75	4.253	4.253	0.0	90	138649	2.07	
53 Carbon tetrachloride	117	4.253	4.253	0.0	63	107225	2.12	
55 Benzene	78	4.431	4.431	0.0	94	406034	2.05	
56 1,2-Dichloroethane	62	4.443	4.443	0.0	89	145105	2.10	
60 Trichloroethene	130	4.964	4.965	0.0	96	107096	2.04	
63 Methylcyclohexane	83	5.130	5.131	-0.001	87	129393	2.12	
62 1,2-Dichloropropane	63	5.154	5.154	0.0	88	90426	2.05	
65 Dibromomethane	93	5.261	5.261	0.0	79	48961	1.97	
66 1,4-Dioxane	88	5.285	5.285	0.0	92	26799	95.1	
67 Dichlorobromomethane	83	5.391	5.391	0.0	97	92161	1.85	
69 2-Chloroethyl vinyl ether	63	5.664	5.664	0.0	89	57213	3.57	
70 cis-1,3-Dichloropropene	75	5.783	5.783	0.0	85	82286	1.95	
71 4-Methyl-2-pentanone (MIBK)	43	5.925	5.925	0.0	92	115417	3.80	
72 Toluene	91	6.067	6.067	0.0	97	378681	1.97	
73 trans-1,3-Dichloropropene	75	6.269	6.269	0.0	86	63708	1.71	
74 Ethyl methacrylate	69	6.352	6.352	0.0	88	76613	1.93	
75 1,1,2-Trichloroethane	97	6.435	6.423	0.012	88	63601	1.99	
77 Tetrachloroethene	164	6.553	6.554	-0.001	91	76220	1.95	
76 1,3-Dichloropropane	76	6.577	6.577	0.0	92	113479	1.97	
78 2-Hexanone	43	6.660	6.660	0.0	97	70287	3.72	
79 Chlorodibromomethane	129	6.779	6.779	0.0	80	51002	1.67	
123 Ethylene Dibromide	107	6.874	6.874	0.0	96	55824	1.83	
82 Chlorobenzene	112	7.324	7.324	0.0	91	241643	2.03	
83 1,1,1,2-Tetrachloroethane	131	7.407	7.407	0.0	84	74424	1.91	
84 Ethylbenzene	106	7.431	7.431	0.0	97	121151	1.92	
10 m-Xylene & p-Xylene	91	7.538	7.538	0.0	92	627220	3.98	
85 o-Xylene	106	7.905	7.905	0.0	97	160909	2.03	
86 Styrene	104	7.917	7.917	0.0	91	245037	1.99	
87 Bromoform	173	8.095	8.095	0.0	88	30908	1.90	
88 Isopropylbenzene	105	8.261	8.261	0.0	95	366980	1.93	
91 Bromobenzene	156	8.534	8.534	0.0	81	101412	1.94	
90 1,1,2,2-Tetrachloroethane	83	8.546	8.546	0.0	87	80904	1.98	
92 1,2,3-Trichloropropane	110	8.581	8.581	0.0	78	27312	1.96	
93 trans-1,4-Dichloro-2-butene	53	8.605	8.605	0.0	1	11574	1.96	
94 N-Propylbenzene	120	8.652	8.653	0.0	96	99032	1.98	
95 2-Chlorotoluene	126	8.724	8.724	0.0	96	94903	1.98	
96 1,3,5-Trimethylbenzene	105	8.818	8.819	-0.001	90	300012	1.92	
104 4-Chlorotoluene	91	8.830	8.830	0.0	99	314535	2.03	
97 tert-Butylbenzene	119	9.127	9.127	0.0	88	231232	1.87	
98 1,2,4-Trimethylbenzene	105	9.174	9.174	0.0	94	322172	1.99	
99 sec-Butylbenzene	105	9.340	9.340	0.0	93	321774	1.90	
100 1,3-Dichlorobenzene	146	9.447	9.435	0.012	97	200906	2.10	
101 4-Isopropyltoluene	119	9.494	9.494	0.0	92	290143	1.94	
102 1,4-Dichlorobenzene	146	9.530	9.530	0.0	93	204270	2.05	
105 n-Butylbenzene	91	9.886	9.886	0.0	97	262288	2.03	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
106 1,2-Dichlorobenzene	146	9.886	9.886	0.0	85	191715	2.00	
107 1,2-Dibromo-3-Chloropropane	157	10.645	10.657	-0.012	55	12353	1.92	
108 1,3,5-Trichlorobenzene	180	10.858	10.858	0.0	97	156283	2.18	
109 1,2,4-Trichlorobenzene	180	11.463	11.463	0.0	89	144864	2.14	
110 Hexachlorobutadiene	225	11.641	11.641	0.0	86	81954	2.16	
111 Naphthalene	128	11.700	11.700	0.0	96	272576	2.01	
112 1,2,3-Trichlorobenzene	180	11.937	11.937	0.0	94	139625	1.88	
S 137 Trihalomethanes, Total	1				0		7.50	
S 11 1,2-Dichloroethene, Total	96				0		4.08	
S 9 1,3-Dichloropropene, Total	75				0		3.65	
S 114 Xylenes, Total	106				0		6.00	

Report Date: 30-Apr-2012 08:42:37

Chrom Revision: 2.0 08-Feb-2012 11:07:54

Data File: \\Ncchrom\ChromData\A3UX15\20120429-9503.b\UXC3080.D

Injection Date: 29-Apr-2012 12:54:30

Limit Group: MSV 8260B ICAL

Client ID:

Instrument ID: A3UX15

Lims Batch ID: 42081

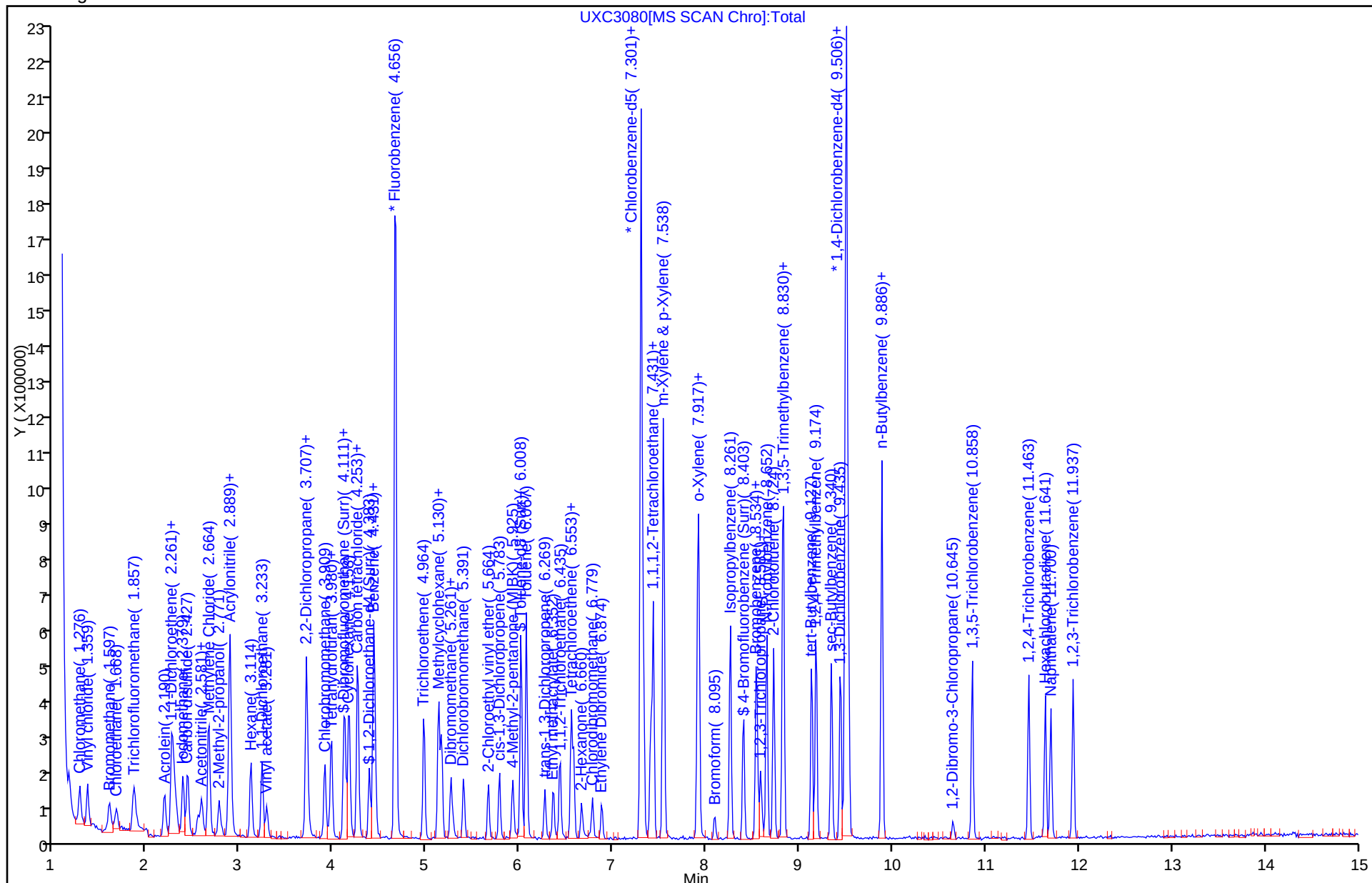
Lims Sample ID: 6

Operator ID: 43582

Column Type: DB-624

Column Dia: 0.18 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX15\20120429-9503.b\UXC3081.D
 Lims ID: STD8260 L1 Client ID:
 Inject. Date: 29-Apr-2012 13:17:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: 240-0009503-007
 Misc. Info.: C20429A,8260LLUX15,,43582
 Operator: 43582 Instrument ID: A3UX15
 Vol. Injected: 1.0000 ALS Bottle#: 6
 Lims Batch ID: 42081 Lims Sample ID: 7
 Sublist: chrom-8260_15*sub20
 Detector: MS SCAN
 Method: \\Ncchrom\ChromData\A3UX15\20120429-9503.b\8260_15.m
 Last Update: 30-Apr-2012 08:42:38 Calib Date: 29-Apr-2012 15:33:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A3UX15\20120429-9503.b\UXC3087.D
 Limit Group: MSV 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-18

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	4.668	4.656	0.012	99	1574764	10.0	
* 2 Chlorobenzene-d5	117	7.301	7.301	0.0	84	997851	10.0	
* 3 1,4-Dichlorobenzene-d4	152	9.506	9.506	0.0	93	554209	10.0	
\$ 5 Dibromofluoromethane (Surr)	113	4.111	4.111	0.0	54	50187	1.02	
\$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.383	4.383	0.0	0	59815	1.01	
\$ 7 Toluene-d8 (Surr)	98	6.008	6.008	0.0	90	165340	1.02	
\$ 131 4-Bromofluorobenzene (Surr)	95	8.404	8.403	0.001	87	51375	1.01	
12 Dichlorodifluoromethane	85	1.170	1.158	0.012	79	38381	0.7826	
13 Chloromethane	50	1.277	1.277	0.0	89	61002	1.02	
14 Vinyl chloride	62	1.360	1.360	0.0	80	54901	0.9773	
15 Bromomethane	94	1.597	1.597	0.0	89	29758	1.09	
16 Chloroethane	64	1.668	1.668	0.0	90	31792	1.04	
18 Trichlorofluoromethane	101	1.858	1.858	0.0	79	56883	0.8559	
20 Acrolein	56	2.190	2.178	0.012	89	55703	9.28	
21 1,1-Dichloroethene	96	2.261	2.261	0.0	85	41044	0.9120	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.285	2.284	0.001	67	26759	0.8923	
22 Acetone	43	2.320	2.308	0.012	94	46103	2.00	
24 Iodomethane	142	2.379	2.379	0.0	98	91476	1.01	
26 Carbon disulfide	76	2.439	2.427	0.012	98	115590	0.8363	
27 Acetonitrile	41	2.545	2.545	0.0	100	45895	10.0	
28 Methyl acetate	43	2.581	2.581	0.0	96	63234	1.99	
30 Methylene Chloride	84	2.664	2.664	0.0	84	92488	0.8810	
31 2-Methyl-2-propanol	59	2.771	2.771	0.0	87	42916	19.1	
32 Acrylonitrile	53	2.877	2.866	0.011	53	30861	1.95	
34 Methyl tert-butyl ether	73	2.889	2.889	0.0	90	118355	0.9739	
33 trans-1,2-Dichloroethene	96	2.889	2.889	0.0	92	54242	1.01	
35 Hexane	86	3.115	3.115	0.0	89	5898	0.9699	
36 1,1-Dichloroethane	63	3.233	3.233	0.0	82	91902	0.99	
37 Vinyl acetate	86	3.281	3.281	0.0	97	4507	1.04	
42 cis-1,2-Dichloroethene	96	3.708	3.708	0.0	70	58140	1.00	
43 2,2-Dichloropropane	77	3.708	3.708	0.0	59	43488	0.8844	
41 2-Butanone (MEK)	43	3.731	3.731	0.0	95	34597	1.99	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
47 Chlorobromomethane	128	3.909	3.909	0.0	89	26293	0.9497	
48 Tetrahydrofuran	42	3.957	3.945	0.012	80	11254	1.03	
49 Chloroform	83	3.980	3.980	0.0	76	97641	1.00	
50 1,1,1-Trichloroethane	97	4.123	4.123	0.0	88	60859	0.8564	
51 Cyclohexane	56	4.170	4.158	0.012	85	50815	0.9408	
52 1,1-Dichloropropene	75	4.253	4.253	0.0	89	59416	0.8579	
53 Carbon tetrachloride	117	4.265	4.253	0.012	58	37533	1.01	
55 Benzene	78	4.431	4.431	0.0	95	205533	1.01	
56 1,2-Dichloroethane	62	4.443	4.443	0.0	95	67657	0.9497	
60 Trichloroethene	130	4.965	4.965	0.001	91	53304	0.9829	
63 Methylcyclohexane	83	5.131	5.131	0.0	86	44998	0.9850	
62 1,2-Dichloropropane	63	5.154	5.154	0.0	85	42662	0.9359	
65 Dibromomethane	93	5.261	5.261	0.0	82	24237	0.9425	
66 1,4-Dioxane	88	5.285	5.285	0.0	89	10982	66.0	
67 Dichlorobromomethane	83	5.391	5.391	0.0	94	45809	0.8899	
69 2-Chloroethyl vinyl ether	63	5.664	5.664	0.0	86	31240	1.89	
70 cis-1,3-Dichloropropene	75	5.783	5.783	0.0	76	36985	1.14	
71 4-Methyl-2-pentanone (MIBK)	43	5.925	5.925	0.0	92	55593	1.77	
72 Toluene	91	6.067	6.067	0.0	97	191196	1.01	
73 trans-1,3-Dichloropropene	75	6.269	6.269	0.0	78	31341	0.8529	
74 Ethyl methacrylate	69	6.364	6.352	0.012	78	30912	0.7898	
75 1,1,2-Trichloroethane	97	6.435	6.423	0.012	80	32549	1.04	
77 Tetrachloroethene	164	6.554	6.554	0.0	88	38494	1.00	
76 1,3-Dichloropropane	76	6.577	6.577	0.0	86	59607	1.05	
78 2-Hexanone	43	6.660	6.660	0.0	88	35662	1.92	
79 Chlorodibromomethane	129	6.779	6.779	0.0	78	27428	0.9156	
123 Ethylene Dibromide	107	6.874	6.874	0.0	87	30612	1.02	
82 Chlorobenzene	112	7.324	7.324	0.0	93	123736	1.06	
83 1,1,1,2-Tetrachloroethane	131	7.407	7.407	0.0	76	31899	0.8304	
84 Ethylbenzene	106	7.431	7.431	0.0	97	61629	1.00	
10 m-Xylene & p-Xylene	91	7.538	7.538	0.0	93	302868	1.95	
85 o-Xylene	106	7.905	7.905	0.0	97	77425	0.99	
86 Styrene	104	7.917	7.917	0.0	90	118665	0.9817	
87 Bromoform	173	8.095	8.095	0.0	81	13180	0.8244	
88 Isopropylbenzene	105	8.261	8.261	0.0	93	171340	0.9173	
91 Bromobenzene	156	8.534	8.534	0.0	81	52082	0.9898	
90 1,1,2,2-Tetrachloroethane	83	8.546	8.546	0.0	81	40435	0.9844	
92 1,2,3-Trichloropropane	110	8.581	8.581	0.0	72	15415	1.10	
93 trans-1,4-Dichloro-2-butene	53	8.593	8.605	-0.012	31	5266	0.8879	
94 N-Propylbenzene	120	8.653	8.653	0.001	97	42637	0.8494	
95 2-Chlorotoluene	126	8.724	8.724	0.0	95	45974	0.9550	
96 1,3,5-Trimethylbenzene	105	8.819	8.819	0.0	88	146797	0.9355	
104 4-Chlorotoluene	91	8.830	8.830	0.0	97	151022	0.9688	
97 tert-Butylbenzene	119	9.127	9.127	0.0	85	103936	0.8360	
98 1,2,4-Trimethylbenzene	105	9.174	9.174	0.0	94	149019	0.9186	
99 sec-Butylbenzene	105	9.340	9.340	0.0	90	139943	0.8215	
100 1,3-Dichlorobenzene	146	9.447	9.435	0.012	95	99109	1.03	
101 4-Isopropyltoluene	119	9.494	9.494	0.0	90	129196	0.8586	
102 1,4-Dichlorobenzene	146	9.530	9.530	0.0	90	109608	1.09	
105 n-Butylbenzene	91	9.886	9.886	0.0	94	116313	0.8949	
106 1,2-Dichlorobenzene	146	9.886	9.886	0.0	89	100777	1.05	
107 1,2-Dibromo-3-Chloropropane	157	10.657	10.657	0.0	35	6199	0.9613	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
108 1,3,5-Trichlorobenzene	180	10.858	10.858	0.0	95	76933	1.07	
109 1,2,4-Trichlorobenzene	180	11.463	11.463	0.0	89	72717	1.07	
110 Hexachlorobutadiene	225	11.641	11.641	0.0	84	35529	0.9400	
111 Naphthalene	128	11.700	11.700	0.0	94	133586	0.9818	
112 1,2,3-Trichlorobenzene	180	11.937	11.937	0.0	91	67122	0.7176	
S 137 Trihalomethanes, Total	1				0		3.63	
S 11 1,2-Dichloroethene, Total	96				0		2.01	
S 9 1,3-Dichloropropene, Total	75				0		2.00	
S 114 Xylenes, Total	106				0		2.94	

Report Date: 30-Apr-2012 08:42:38

Chrom Revision: 2.0 08-Feb-2012 11:07:54

Data File: \\Ncchrom\ChromData\A3UX15\20120429-9503.b\UXC3081.D

Injection Date: 29-Apr-2012 13:17:30

Limit Group: MSV 8260B ICAL

Client ID:

Instrument ID: A3UX15

Lims Batch ID: 42081

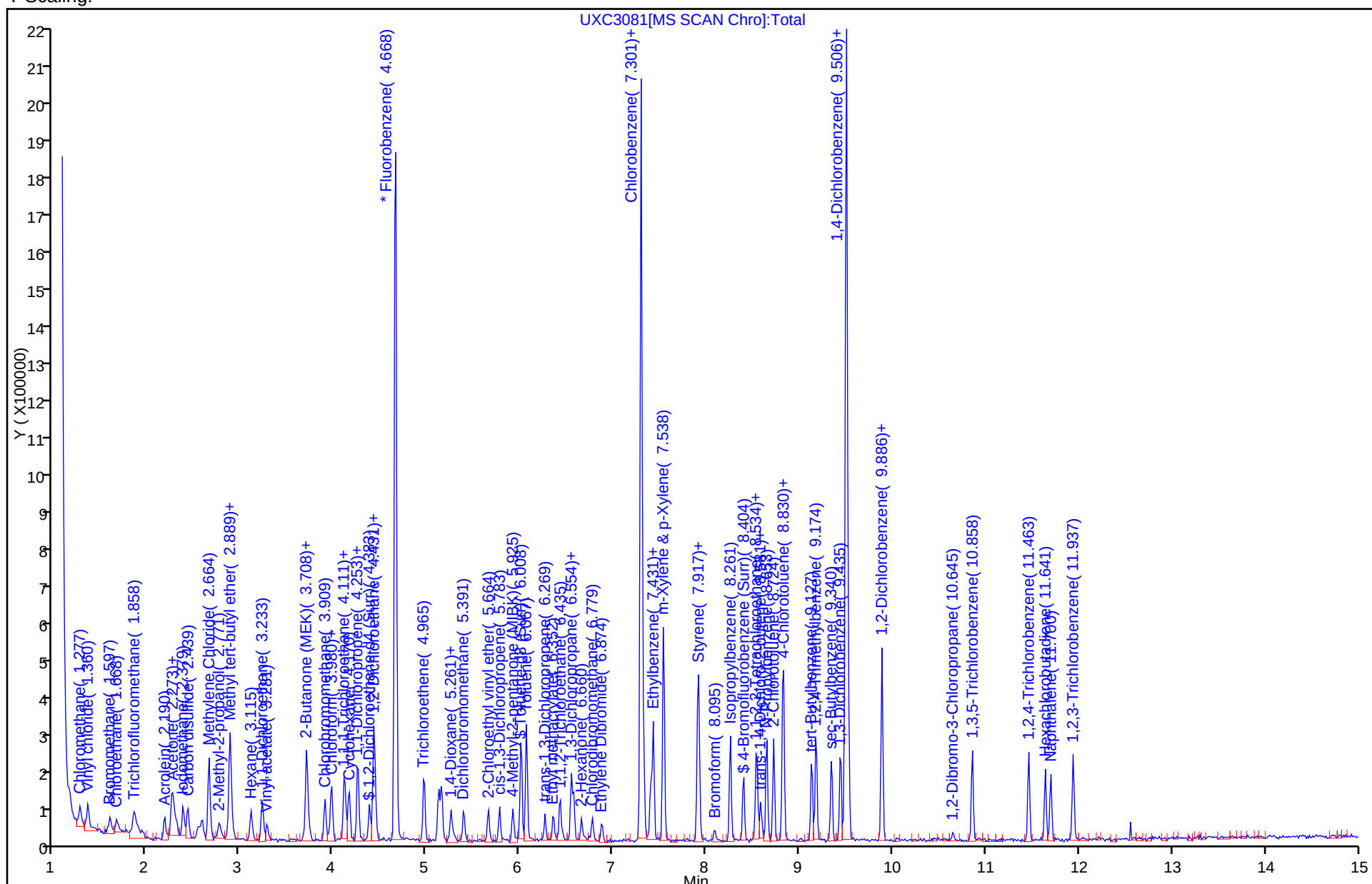
Lims Sample ID: 7

Operator ID: 43582

Column Type: DB-624

Column Dia: 0.18 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-10641-1

SDG No.: _____

Lab Sample ID: ICV 240-42081/14 Calibration Date: 04/29/2012 15:55

Instrument ID: A3UX15 Calib Start Date: 04/29/2012 11:24

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 04/29/2012 13:17

Lab File ID: UXC3088.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3114	0.2392		7.68	10.0	-23.2	50.0
Chloromethane	Ave	0.3810	0.3171	0.1000	8.32	10.0	-16.8	50.0
Vinyl chloride	Ave	0.3567	0.3167		8.88	10.0	-11.2	20.0
Bromomethane	Ave	0.1736	0.1240		7.15	10.0	-28.5	50.0
Chloroethane	Ave	0.1942	0.1640		8.44	10.0	-15.6	50.0
Trichlorofluoromethane	Ave	0.4220	0.4132		9.79	10.0	-2.1	50.0
1,1-Dichloroethene	Ave	0.2858	0.2898		10.1	10.0	1.4	20.0
1,1,2-Trichloro-1,2,2-trichf luoroethane	Lin1		0.2602		10.1	10.0	1.0	50.0
Acetone	Lin1		0.0824		19.8	20.0	-1.0	50.0
Iodomethane	Ave	0.5772	0.5318		9.21	10.0	-7.9	50.0
Carbon disulfide	Ave	0.8777	0.8042		9.16	10.0	-8.4	50.0
Methyl acetate	Ave	0.2014	0.2379		11.8	10.0	18.1	50.0
Methylene Chloride	Lin1		0.3460		9.47	10.0	-5.3	50.0
2-Methyl-2-propanol	Ave	0.0143	0.0129		180	200	-9.9	50.0
Methyl tert-butyl ether	Ave	0.7717	0.7054		9.14	10.0	-8.6	50.0
trans-1,2-Dichloroethene	Ave	0.3403	0.3172		9.32	10.0	-6.8	50.0
Hexane	Lin1		0.0650		10.0	10.0	0.0	20.0
1,1-Dichloroethane	Ave	0.5887	0.5656	0.1000	9.61	10.0	-3.9	50.0
Vinyl acetate	Lin1		0.0339		7.64	10.0	-23.6	50.0
2,2-Dichloropropane	Ave	0.3123	0.2702		8.65	10.0	-13.5	50.0
cis-1,2-Dichloroethene	Ave	0.3682	0.3428		9.31	10.0	-6.9	50.0
2-Butanone (MEK)	Ave	0.1103	0.1039		18.8	20.0	-5.8	50.0
Chlorobromomethane	Ave	0.1758	0.1645		9.36	10.0	-6.4	50.0
Tetrahydrofuran	Ave	0.0696	0.0682		9.79	10.0	-2.1	50.0
Chloroform	Ave	0.6174	0.5564		9.01	10.0	-9.9	20.0
1,1,1-Trichloroethane	Ave	0.4513	0.4129		9.15	10.0	-8.5	50.0
Cyclohexane	Lin1		0.4932		9.16	10.0	-8.4	50.0
1,1-Dichloropropene	Ave	0.4398	0.4123		9.38	10.0	-6.2	50.0
Carbon tetrachloride	Lin1		0.3394		8.54	10.0	-14.6	50.0
Benzene	Ave	1.299	1.196		9.21	10.0	-7.9	50.0
1,2-Dichloroethane	Ave	0.4524	0.4280		9.46	10.0	-5.4	50.0
Trichloroethene	Ave	0.3444	0.3255		9.45	10.0	-5.5	50.0
Methylcyclohexane	Lin1		0.4231		8.97	10.0	-10.3	50.0
1,2-Dichloropropane	Ave	0.2895	0.2626		9.07	10.0	-9.3	20.0
Dibromomethane	Ave	0.1633	0.1596		9.77	10.0	-2.3	50.0
Dichlorobromomethane	Ave	0.3269	0.3112		9.52	10.0	-4.8	50.0
2-Chloroethyl vinyl ether	Ave	0.1050	0.1047		9.98	10.0	-0.2	50.0
cis-1,3-Dichloropropene	Lin1		0.2882		8.13	10.0	-18.7	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1993	0.2024		20.3	20.0	1.6	50.0
Toluene	Ave	1.892	1.698		8.98	10.0	-10.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-10641-1

SDG No.: _____

Lab Sample ID: ICV 240-42081/14 Calibration Date: 04/29/2012 15:55

Instrument ID: A3UX15 Calib Start Date: 04/29/2012 11:24

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 04/29/2012 13:17

Lab File ID: UXC3088.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
trans-1,3-Dichloropropene	Ave	0.3683	0.3335		9.06	10.0	-9.4	50.0
1,1,2-Trichloroethane	Ave	0.3142	0.3030		9.64	10.0	-3.6	50.0
Tetrachloroethene	Ave	0.3846	0.3516		9.14	10.0	-8.6	50.0
1,3-Dichloropropane	Ave	0.5687	0.5340		9.39	10.0	-6.1	50.0
2-Hexanone	Ave	0.1861	0.1890		20.3	20.0	1.5	50.0
Chlorodibromomethane	Ave	0.3002	0.2670		8.90	10.0	-11.0	50.0
Ethylene Dibromide	Ave	0.3005	0.2864		9.53	10.0	-4.7	50.0
Chlorobenzene	Ave	1.171	1.055	0.3000	9.01	10.0	-9.9	50.0
1,1,1,2-Tetrachloroethane	Ave	0.3850	0.3470		9.01	10.0	-9.9	50.0
Ethylbenzene	Ave	0.6207	0.5630		9.07	10.0	-9.3	20.0
m-Xylene & p-Xylene	Ave	1.555	1.413		18.2	20.0	-9.2	50.0
o-Xylene	Ave	0.7828	0.7132		9.11	10.0	-8.9	50.0
Styrene	Ave	1.211	1.102		9.10	10.0	-9.0	50.0
Bromoform	Ave	0.1602	0.1462	0.1000	9.12	10.0	-8.8	50.0
Isopropylbenzene	Ave	1.872	1.702		9.09	10.0	-9.1	50.0
Bromobenzene	Ave	0.9495	0.8552		9.01	10.0	-9.9	50.0
1,1,2,2-Tetrachloroethane	Ave	0.7411	0.6881	0.3000	9.28	10.0	-7.2	50.0
1,2,3-Trichloropropane	Ave	0.2524	0.2437		9.66	10.0	-3.4	50.0
trans-1,4-Dichloro-2-butene	Ave	0.1070	0.1077		20.1	20.0	0.6	50.0
N-Propylbenzene	Ave	0.9057	0.8310		9.17	10.0	-8.3	50.0
2-Chlorotoluene	Ave	0.8687	0.7934		9.13	10.0	-8.7	50.0
1,3,5-Trimethylbenzene	Ave	2.831	2.549		9.00	10.0	-10.0	50.0
4-Chlorotoluene	Ave	2.813	2.499		8.88	10.0	-11.2	50.0
tert-Butylbenzene	Ave	2.243	2.041		9.10	10.0	-9.0	50.0
1,2,4-Trimethylbenzene	Ave	2.927	2.703		9.23	10.0	-7.7	50.0
sec-Butylbenzene	Ave	3.074	2.756		8.97	10.0	-10.3	50.0
1,3-Dichlorobenzene	Ave	1.735	1.519		8.75	10.0	-12.5	50.0
4-Isopropyltoluene	Ave	2.715	2.541		9.36	10.0	-6.4	50.0
1,4-Dichlorobenzene	Ave	1.807	1.533		8.48	10.0	-15.2	50.0
1,2-Dichlorobenzene	Ave	1.740	1.547		8.89	10.0	-11.1	50.0
n-Butylbenzene	Ave	2.345	2.088		8.90	10.0	-11.0	50.0
1,2-Dibromo-3-Chloropropane	Ave	0.1164	0.1229		10.6	10.0	5.6	50.0
1,2,4-Trichlorobenzene	Ave	1.224	1.023		8.36	10.0	-16.4	50.0
Hexachlorobutadiene	Qua		0.4447		6.71	10.0	-32.9	50.0
Naphthalene	Ave	2.455	2.363		9.62	10.0	-3.8	50.0
1,2,3-Trichlorobenzene	Qua		0.9425		8.51	10.0	-14.9	50.0
Dibromofluoromethane (Surr)	Ave	0.3114	0.2984		8.53	8.90	-4.2	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3753	0.3714		8.81	8.90	-1.1	50.0
Toluene-d8 (Surr)	Ave	1.619	1.580		8.69	8.90	-2.4	50.0
4-Bromofluorobenzene (Surr)	Ave	0.5090	0.5031		8.80	8.90	-1.1	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX15\20120429-9503.b\UXC3088.D
 Lims ID: ICV Client ID:
 Inject. Date: 29-Apr-2012 15:55:30 Dil. Factor: 1.0000
 Sample Type: ICV
 Sample ID: 240-0009503-014
 Misc. Info.: C20429A,8260LLUX15,,43582
 Operator: 43582 Instrument ID: A3UX15
 Vol. Injected: 1.0000 ALS Bottle#: 13
 Lims Batch ID: 42081 Lims Sample ID: 14
 Sublist:
 Detector: MS SCAN
 Method: \\Ncchrom\ChromData\A3UX15\20120429-9503.b\8260_15.m
 Last Update: 30-Apr-2012 08:43:06 Calib Date: 29-Apr-2012 15:33:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A3UX15\20120429-9503.b\UXC3087.D
 Limit Group: MSV 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-15

First Level Reviewer: evansle

Date: 30-Apr-2012 08:15:18

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	4.668	4.668	0.0	99	1579447	10.0	
* 2 Chlorobenzene-d5	117	7.301	7.301	0.0	85	1033620	10.0	
* 3 1,4-Dichlorobenzene-d4	152	9.506	9.506	0.0	95	538234	10.0	
\$ 5 Dibromofluoromethane (Surr)	113	4.111	4.111	0.0	64	419499	8.53	
\$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.383	4.383	0.0	0	522026	8.81	
\$ 7 Toluene-d8 (Surr)	98	6.008	6.008	0.0	93	1453691	8.69	
\$ 131 4-Bromofluorobenzene (Surr)	95	8.403	8.403	0.0	95	462844	8.80	
12 Dichlorodifluoromethane	85	1.170	1.158	0.012	97	377865	7.68	
13 Chloromethane	50	1.276	1.277	-0.001	89	500863	8.32	
14 Vinyl chloride	62	1.359	1.360	-0.001	83	500241	8.88	
15 Bromomethane	94	1.597	1.597	0.0	91	195922	7.15	
16 Chloroethane	64	1.680	1.668	0.012	95	258961	8.44	
18 Trichlorofluoromethane	101	1.858	1.858	0.0	87	652667	9.79	
19 Ethyl ether	59	2.083	2.083	0.0	90	361696	9.62	
21 1,1-Dichloroethene	96	2.261	2.261	0.0	90	457649	10.1	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.296	2.284	0.012	80	411031	10.1	
22 Acetone	43	2.308	2.308	0.0	95	260148	19.8	
24 Iodomethane	142	2.379	2.379	0.0	99	839996	9.21	
26 Carbon disulfide	76	2.439	2.427	0.012	99	1270247	9.16	
28 Methyl acetate	43	2.581	2.581	0.0	96	375664	11.8	
30 Methylene Chloride	84	2.664	2.664	0.0	89	546417	9.47	
31 2-Methyl-2-propanol	59	2.771	2.771	0.0	91	406141	180.2	
33 trans-1,2-Dichloroethene	96	2.889	2.889	0.0	94	500969	9.32	
34 Methyl tert-butyl ether	73	2.889	2.889	0.0	90	1114212	9.14	
35 Hexane	86	3.115	3.115	-0.001	95	102717	10.0	
36 1,1-Dichloroethane	63	3.233	3.233	0.0	85	893265	9.61	
37 Vinyl acetate	86	3.281	3.281	0.0	95	53560	7.64	
38 Isopropyl ether	87	3.304	3.293	0.011	90	403593	8.98	
42 cis-1,2-Dichloroethene	96	3.707	3.708	-0.001	71	541430	9.31	
43 2,2-Dichloropropane	77	3.707	3.708	-0.001	59	426748	8.65	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
41 2-Butanone (MEK)	43	3.731	3.731	0.0	98	328260	18.8	
47 Chlorobromomethane	128	3.909	3.909	0.0	95	259873	9.36	
48 Tetrahydrofuran	42	3.945	3.945	0.0	92	107670	9.79	
49 Chloroform	83	3.980	3.980	0.0	81	878820	9.01	
50 1,1,1-Trichloroethane	97	4.122	4.123	-0.001	90	652136	9.15	
51 Cyclohexane	56	4.170	4.158	0.012	90	778999	9.16	
53 Carbon tetrachloride	117	4.265	4.253	0.012	68	536032	8.54	
52 1,1-Dichloropropene	75	4.253	4.253	0.0	92	651259	9.38	
54 Isobutyl alcohol	41	4.383	4.384	-0.001	92	426457	483.1	
55 Benzene	78	4.431	4.431	0.0	96	1889385	9.21	
56 1,2-Dichloroethane	62	4.443	4.443	0.0	90	675955	9.46	
60 Trichloroethene	130	4.976	4.965	0.012	92	514125	9.45	
63 Methylcyclohexane	83	5.130	5.131	-0.001	90	668232	8.97	
62 1,2-Dichloropropane	63	5.154	5.154	0.0	93	414702	9.07	
65 Dibromomethane	93	5.261	5.261	0.0	82	252032	9.77	
67 Dichlorobromomethane	83	5.391	5.391	0.0	94	491459	9.52	
69 2-Chloroethyl vinyl ether	63	5.664	5.664	0.0	90	165439	9.98	
70 cis-1,3-Dichloropropene	75	5.783	5.783	0.0	92	455206	8.13	
71 4-Methyl-2-pentanone (MIBK)	43	5.925	5.925	0.0	98	639251	20.3	
72 Toluene	91	6.067	6.067	0.0	97	1755475	8.98	
73 trans-1,3-Dichloropropene	75	6.269	6.269	0.0	90	344733	9.06	
75 1,1,2-Trichloroethane	97	6.435	6.423	0.012	85	313199	9.64	
77 Tetrachloroethene	164	6.553	6.554	-0.001	90	363401	9.14	
76 1,3-Dichloropropane	76	6.577	6.577	0.0	91	551957	9.39	
78 2-Hexanone	43	6.660	6.660	0.0	97	390614	20.3	
79 Chlorodibromomethane	129	6.779	6.779	0.0	90	276018	8.90	
123 Ethylene Dibromide	107	6.874	6.874	0.0	98	295998	9.53	
82 Chlorobenzene	112	7.324	7.324	0.0	94	1090462	9.01	
83 1,1,1,2-Tetrachloroethane	131	7.407	7.407	0.0	91	358640	9.01	
84 Ethylbenzene	106	7.431	7.431	0.0	98	581897	9.07	
10 m-Xylene & p-Xylene	91	7.538	7.538	0.0	92	2920380	18.2	
85 o-Xylene	106	7.905	7.905	0.0	97	737174	9.11	
86 Styrene	104	7.917	7.917	0.0	93	1138755	9.10	
87 Bromoform	173	8.095	8.095	0.0	92	151109	9.12	
88 Isopropylbenzene	105	8.261	8.261	0.0	95	1759662	9.09	
89 Cyclohexanone	55	8.344	8.344	0.0	93	152170	54.1	
91 Bromobenzene	156	8.534	8.534	0.0	81	460295	9.01	
90 1,1,2,2-Tetrachloroethane	83	8.546	8.546	0.0	83	370349	9.28	
92 1,2,3-Trichloropropane	110	8.581	8.581	0.0	82	131189	9.66	
93 trans-1,4-Dichloro-2-butene	53	8.605	8.605	0.0	57	115892	20.1	
94 N-Propylbenzene	120	8.652	8.653	0.0	98	447270	9.17	
95 2-Chlorotoluene	126	8.724	8.724	0.0	96	427008	9.13	
96 1,3,5-Trimethylbenzene	105	8.818	8.819	-0.001	89	1371962	9.00	
104 4-Chlorotoluene	91	8.830	8.830	0.0	99	1344779	8.88	
97 tert-Butylbenzene	119	9.127	9.127	0.0	90	1098582	9.10	
98 1,2,4-Trimethylbenzene	105	9.174	9.174	0.0	96	1454868	9.23	
99 sec-Butylbenzene	105	9.340	9.340	0.0	93	1483459	8.97	
100 1,3-Dichlorobenzene	146	9.447	9.435	0.012	97	817542	8.75	
101 4-Isopropyltoluene	119	9.494	9.494	0.0	91	1367390	9.36	
102 1,4-Dichlorobenzene	146	9.530	9.530	0.0	90	825238	8.48	
103 1,2,3-Trimethylbenzene	105	9.589	9.578	0.011	97	1511079	9.67	
105 n-Butylbenzene	91	9.886	9.886	0.0	97	1123896	8.90	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
106 1,2-Dichlorobenzene	146	9.886	9.886	0.0	83	832670	8.89	
107 1,2-Dibromo-3-Chloropropane	157	10.657	10.657	0.0	80	66129	10.6	
109 1,2,4-Trichlorobenzene	180	11.463	11.463	0.0	93	550434	8.36	
110 Hexachlorobutadiene	225	11.641	11.641	0.0	91	239363	6.71	
111 Naphthalene	128	11.700	11.700	0.0	97	1271648	9.62	
112 1,2,3-Trichlorobenzene	180	11.937	11.937	0.0	94	507269	8.51	
S 137 Trihalomethanes, Total	1				0		36.6	
S 11 1,2-Dichloroethene, Total	96				0		18.6	
S 114 Xylenes, Total	106				0		27.3	

Report Date: 01-May-2012 11:13:58

Chrom Revision: 2.0 08-Feb-2012 11:07:54

Data File: \\Ncchrom\ChromData\A3UX15\20120429-9503.b\UXC3088.D

Injection Date: 29-Apr-2012 15:55:30

Limit Group: MSV 8260B ICAL

Client ID:

Instrument ID: A3UX15

Lims Batch ID: 42081

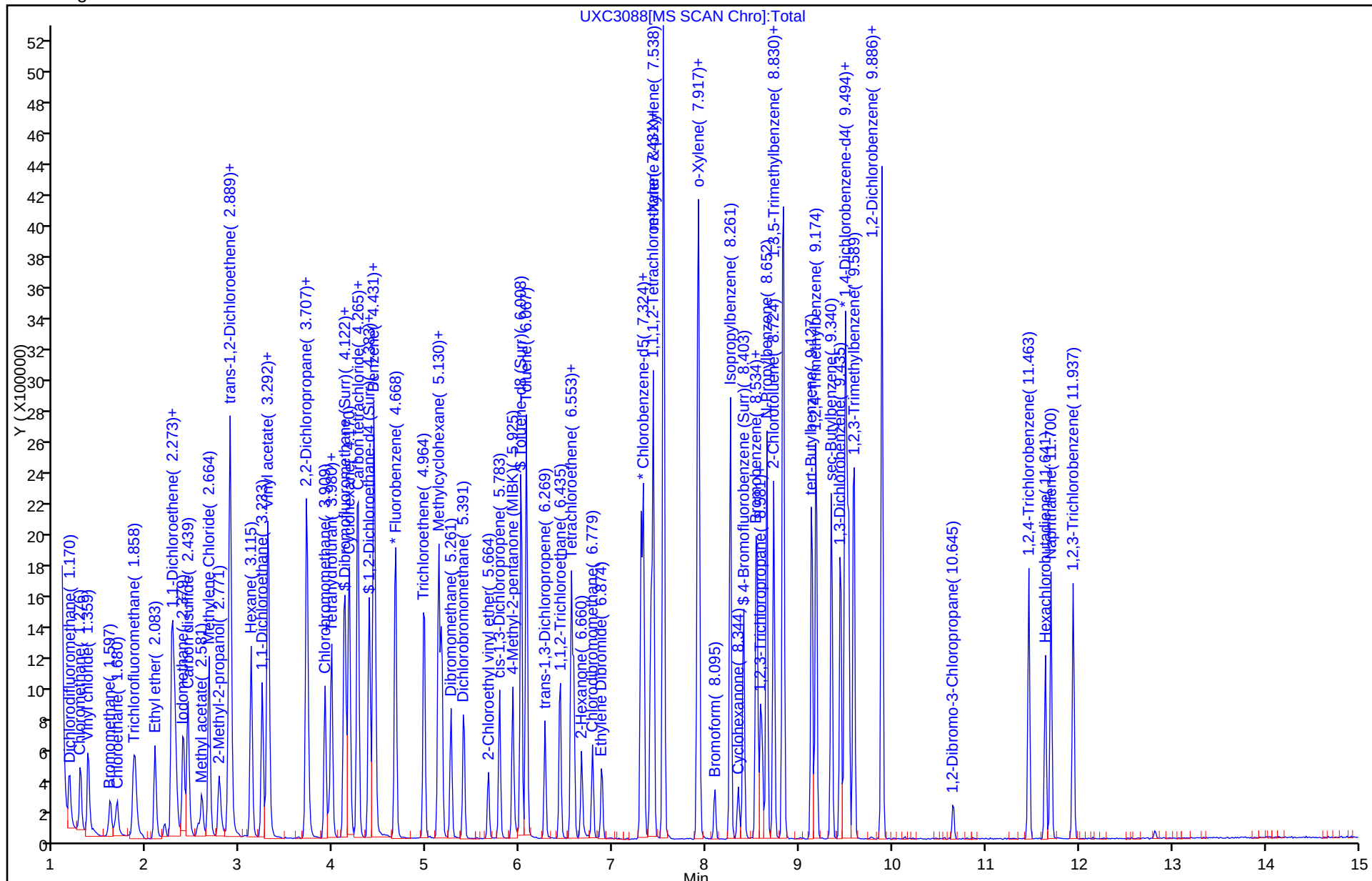
Lims Sample ID: 14

Operator ID: 43582

Column Type: DB-624

Column Dia: 0.18 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-10641-1
SDG No.: _____
Lab Sample ID: ICV 240-42081/14 Calibration Date: 04/29/2012 15:55
Instrument ID: A3UX15 Calib Start Date: 04/29/2012 13:40
GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 04/29/2012 15:33
Lab File ID: UXC3088.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethyl ether	Ave	0.2380	0.2290		9.62	10.0	-3.8	50.0
Isopropyl ether	Ave	0.2846	0.2555		8.98	10.0	-10.2	50.0
Isobutyl alcohol	Lin1		0.0054		483	500	-3.4	50.0
Cyclohexanone	Ave	0.0523	0.0141		54.1	200	-73.0*	50.0
1,2,3-Trimethylbenzene	Ave	2.905	2.807		9.67	10.0	-3.3	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX15\20120429-9503.b\UXC3088.D
 Lims ID: ICV Client ID:
 Inject. Date: 29-Apr-2012 15:55:30 Dil. Factor: 1.0000
 Sample Type: ICV
 Sample ID: 240-0009503-014
 Misc. Info.: C20429A,8260LLUX15,,43582
 Operator: 43582 Instrument ID: A3UX15
 Vol. Injected: 1.0000 ALS Bottle#: 13
 Lims Batch ID: 42081 Lims Sample ID: 14
 Sublist:
 Detector: MS SCAN
 Method: \\Ncchrom\ChromData\A3UX15\20120429-9503.b\8260_15.m
 Last Update: 30-Apr-2012 08:43:06 Calib Date: 29-Apr-2012 15:33:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A3UX15\20120429-9503.b\UXC3087.D
 Limit Group: MSV 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-15

First Level Reviewer: evansle

Date: 30-Apr-2012 08:15:18

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	4.668	4.668	0.0	99	1579447	10.0	
* 2 Chlorobenzene-d5	117	7.301	7.301	0.0	85	1033620	10.0	
* 3 1,4-Dichlorobenzene-d4	152	9.506	9.506	0.0	95	538234	10.0	
\$ 5 Dibromofluoromethane (Surr)	113	4.111	4.111	0.0	64	419499	8.53	
\$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.383	4.383	0.0	0	522026	8.81	
\$ 7 Toluene-d8 (Surr)	98	6.008	6.008	0.0	93	1453691	8.69	
\$ 131 4-Bromofluorobenzene (Surr)	95	8.403	8.403	0.0	95	462844	8.80	
12 Dichlorodifluoromethane	85	1.170	1.158	0.012	97	377865	7.68	
13 Chloromethane	50	1.276	1.277	-0.001	89	500863	8.32	
14 Vinyl chloride	62	1.359	1.360	-0.001	83	500241	8.88	
15 Bromomethane	94	1.597	1.597	0.0	91	195922	7.15	
16 Chloroethane	64	1.680	1.668	0.012	95	258961	8.44	
18 Trichlorofluoromethane	101	1.858	1.858	0.0	87	652667	9.79	
19 Ethyl ether	59	2.083	2.083	0.0	90	361696	9.62	
21 1,1-Dichloroethene	96	2.261	2.261	0.0	90	457649	10.1	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.296	2.284	0.012	80	411031	10.1	
22 Acetone	43	2.308	2.308	0.0	95	260148	19.8	
24 Iodomethane	142	2.379	2.379	0.0	99	839996	9.21	
26 Carbon disulfide	76	2.439	2.427	0.012	99	1270247	9.16	
28 Methyl acetate	43	2.581	2.581	0.0	96	375664	11.8	
30 Methylene Chloride	84	2.664	2.664	0.0	89	546417	9.47	
31 2-Methyl-2-propanol	59	2.771	2.771	0.0	91	406141	180.2	
33 trans-1,2-Dichloroethene	96	2.889	2.889	0.0	94	500969	9.32	
34 Methyl tert-butyl ether	73	2.889	2.889	0.0	90	1114212	9.14	
35 Hexane	86	3.115	3.115	-0.001	95	102717	10.0	
36 1,1-Dichloroethane	63	3.233	3.233	0.0	85	893265	9.61	
37 Vinyl acetate	86	3.281	3.281	0.0	95	53560	7.64	
38 Isopropyl ether	87	3.304	3.293	0.011	90	403593	8.98	
42 cis-1,2-Dichloroethene	96	3.707	3.708	-0.001	71	541430	9.31	
43 2,2-Dichloropropane	77	3.707	3.708	-0.001	59	426748	8.65	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
41 2-Butanone (MEK)	43	3.731	3.731	0.0	98	328260	18.8	
47 Chlorobromomethane	128	3.909	3.909	0.0	95	259873	9.36	
48 Tetrahydrofuran	42	3.945	3.945	0.0	92	107670	9.79	
49 Chloroform	83	3.980	3.980	0.0	81	878820	9.01	
50 1,1,1-Trichloroethane	97	4.122	4.123	-0.001	90	652136	9.15	
51 Cyclohexane	56	4.170	4.158	0.012	90	778999	9.16	
53 Carbon tetrachloride	117	4.265	4.253	0.012	68	536032	8.54	
52 1,1-Dichloropropene	75	4.253	4.253	0.0	92	651259	9.38	
54 Isobutyl alcohol	41	4.383	4.384	-0.001	92	426457	483.1	
55 Benzene	78	4.431	4.431	0.0	96	1889385	9.21	
56 1,2-Dichloroethane	62	4.443	4.443	0.0	90	675955	9.46	
60 Trichloroethene	130	4.976	4.965	0.012	92	514125	9.45	
63 Methylcyclohexane	83	5.130	5.131	-0.001	90	668232	8.97	
62 1,2-Dichloropropane	63	5.154	5.154	0.0	93	414702	9.07	
65 Dibromomethane	93	5.261	5.261	0.0	82	252032	9.77	
67 Dichlorobromomethane	83	5.391	5.391	0.0	94	491459	9.52	
69 2-Chloroethyl vinyl ether	63	5.664	5.664	0.0	90	165439	9.98	
70 cis-1,3-Dichloropropene	75	5.783	5.783	0.0	92	455206	8.13	
71 4-Methyl-2-pentanone (MIBK)	43	5.925	5.925	0.0	98	639251	20.3	
72 Toluene	91	6.067	6.067	0.0	97	1755475	8.98	
73 trans-1,3-Dichloropropene	75	6.269	6.269	0.0	90	344733	9.06	
75 1,1,2-Trichloroethane	97	6.435	6.423	0.012	85	313199	9.64	
77 Tetrachloroethene	164	6.553	6.554	-0.001	90	363401	9.14	
76 1,3-Dichloropropane	76	6.577	6.577	0.0	91	551957	9.39	
78 2-Hexanone	43	6.660	6.660	0.0	97	390614	20.3	
79 Chlorodibromomethane	129	6.779	6.779	0.0	90	276018	8.90	
123 Ethylene Dibromide	107	6.874	6.874	0.0	98	295998	9.53	
82 Chlorobenzene	112	7.324	7.324	0.0	94	1090462	9.01	
83 1,1,1,2-Tetrachloroethane	131	7.407	7.407	0.0	91	358640	9.01	
84 Ethylbenzene	106	7.431	7.431	0.0	98	581897	9.07	
10 m-Xylene & p-Xylene	91	7.538	7.538	0.0	92	2920380	18.2	
85 o-Xylene	106	7.905	7.905	0.0	97	737174	9.11	
86 Styrene	104	7.917	7.917	0.0	93	1138755	9.10	
87 Bromoform	173	8.095	8.095	0.0	92	151109	9.12	
88 Isopropylbenzene	105	8.261	8.261	0.0	95	1759662	9.09	
89 Cyclohexanone	55	8.344	8.344	0.0	93	152170	54.1	
91 Bromobenzene	156	8.534	8.534	0.0	81	460295	9.01	
90 1,1,2,2-Tetrachloroethane	83	8.546	8.546	0.0	83	370349	9.28	
92 1,2,3-Trichloropropane	110	8.581	8.581	0.0	82	131189	9.66	
93 trans-1,4-Dichloro-2-butene	53	8.605	8.605	0.0	57	115892	20.1	
94 N-Propylbenzene	120	8.652	8.653	0.0	98	447270	9.17	
95 2-Chlorotoluene	126	8.724	8.724	0.0	96	427008	9.13	
96 1,3,5-Trimethylbenzene	105	8.818	8.819	-0.001	89	1371962	9.00	
104 4-Chlorotoluene	91	8.830	8.830	0.0	99	1344779	8.88	
97 tert-Butylbenzene	119	9.127	9.127	0.0	90	1098582	9.10	
98 1,2,4-Trimethylbenzene	105	9.174	9.174	0.0	96	1454868	9.23	
99 sec-Butylbenzene	105	9.340	9.340	0.0	93	1483459	8.97	
100 1,3-Dichlorobenzene	146	9.447	9.435	0.012	97	817542	8.75	
101 4-Isopropyltoluene	119	9.494	9.494	0.0	91	1367390	9.36	
102 1,4-Dichlorobenzene	146	9.530	9.530	0.0	90	825238	8.48	
103 1,2,3-Trimethylbenzene	105	9.589	9.578	0.011	97	1511079	9.67	
105 n-Butylbenzene	91	9.886	9.886	0.0	97	1123896	8.90	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
106 1,2-Dichlorobenzene	146	9.886	9.886	0.0	83	832670	8.89	
107 1,2-Dibromo-3-Chloropropane	157	10.657	10.657	0.0	80	66129	10.6	
109 1,2,4-Trichlorobenzene	180	11.463	11.463	0.0	93	550434	8.36	
110 Hexachlorobutadiene	225	11.641	11.641	0.0	91	239363	6.71	
111 Naphthalene	128	11.700	11.700	0.0	97	1271648	9.62	
112 1,2,3-Trichlorobenzene	180	11.937	11.937	0.0	94	507269	8.51	
S 137 Trihalomethanes, Total	1				0		36.6	
S 11 1,2-Dichloroethene, Total	96				0		18.6	
S 114 Xylenes, Total	106				0		27.3	

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-10641-1

SDG No.: _____

Lab Sample ID: CCVIS 240-42620/2 Calibration Date: 05/03/2012 11:39

Instrument ID: A3UX15 Calib Start Date: 04/29/2012 11:24

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 04/29/2012 13:17

Lab File ID: UXC3249.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3114	0.2879		9.24	10.0	-7.6	50.0
Chloromethane	Ave	0.3810	0.3849	0.1000	10.1	10.0	1.0	50.0
Vinyl chloride	Ave	0.3567	0.3419		9.58	10.0	-4.2	20.0
Bromomethane	Ave	0.1736	0.1168		6.73	10.0	-32.7	50.0
Chloroethane	Ave	0.1942	0.1510		7.78	10.0	-22.2	50.0
Trichlorofluoromethane	Ave	0.4220	0.4034		9.56	10.0	-4.4	50.0
Acrolein	Ave	0.0381	0.0502		132	100	31.7	50.0
1,1-Dichloroethene	Ave	0.2858	0.2688		9.41	10.0	-5.9	20.0
1,1,2-Trichloro-1,2,2-trichf luoroethane	Lin1		0.2348		9.12	10.0	-8.8	50.0
Acetone	Lin1		0.0916		22.2	20.0	11.0	50.0
Iodomethane	Ave	0.5772	0.4905		8.50	10.0	-15.0	50.0
Carbon disulfide	Ave	0.8777	0.7946		9.05	10.0	-9.5	50.0
Acetonitrile	Ave	0.0291	0.0358		123	100	23.1	50.0
Methyl acetate	Ave	0.2014	0.2226		22.1	20.0	10.5	50.0
Methylene Chloride	Lin1		0.3533		9.69	10.0	-3.1	50.0
2-Methyl-2-propanol	Ave	0.0143	0.0167		234	200	16.9	50.0
Acrylonitrile	Ave	0.1004	0.1102		21.9	20.0	9.7	50.0
Methyl tert-butyl ether	Ave	0.7717	0.7883		10.2	10.0	2.1	50.0
trans-1,2-Dichloroethene	Ave	0.3403	0.3252		9.56	10.0	-4.4	50.0
Hexane	Lin1		0.0574		8.87	10.0	-11.3	20.0
1,1-Dichloroethane	Ave	0.5887	0.5647	0.1000	9.59	10.0	-4.1	50.0
Vinyl acetate	Lin1		0.0479		10.6	10.0	6.0	50.0
2,2-Dichloropropane	Ave	0.3123	0.3013		9.65	10.0	-3.5	50.0
cis-1,2-Dichloroethene	Ave	0.3682	0.3566		9.69	10.0	-3.1	50.0
2-Butanone (MEK)	Ave	0.1103	0.1268		23.0	20.0	14.9	50.0
Chlorobromomethane	Ave	0.1758	0.1729		9.83	10.0	-1.7	50.0
Tetrahydrofuran	Ave	0.0696	0.0764		11.0	10.0	9.7	50.0
Chloroform	Ave	0.6174	0.6088		9.86	10.0	-1.4	20.0
1,1,1-Trichloroethane	Ave	0.4513	0.4474		9.91	10.0	-0.9	50.0
Cyclohexane	Lin1		0.4670		8.69	10.0	-13.1	50.0
1,1-Dichloropropene	Ave	0.4398	0.4316		9.81	10.0	-1.9	50.0
Carbon tetrachloride	Lin1		0.3756		9.40	10.0	-6.0	50.0
Benzene	Ave	1.299	1.264		9.74	10.0	-2.6	50.0
1,2-Dichloroethane	Ave	0.4524	0.4812		10.6	10.0	6.4	50.0
Trichloroethene	Ave	0.3444	0.3469		10.1	10.0	0.7	50.0
Methylcyclohexane	Lin1		0.3910		8.32	10.0	-16.8	50.0
1,2-Dichloropropane	Ave	0.2895	0.2842		9.82	10.0	-1.8	20.0
Dibromomethane	Ave	0.1633	0.1837		11.2	10.0	12.5	50.0
1,4-Dioxane	Qua		0.0019		332	500	-33.6	50.0
Dichlorobromomethane	Ave	0.3269	0.3647		11.2	10.0	11.6	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-10641-1

SDG No.: _____

Lab Sample ID: CCVIS 240-42620/2 Calibration Date: 05/03/2012 11:39

Instrument ID: A3UX15 Calib Start Date: 04/29/2012 11:24

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 04/29/2012 13:17

Lab File ID: UXC3249.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Chloroethyl vinyl ether	Ave	0.1050	0.1319		25.1	20.0	25.6	50.0
cis-1,3-Dichloropropene	Lin1		0.3720		10.3	10.0	3.0	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1993	0.2308		23.2	20.0	15.8	50.0
Toluene	Ave	1.892	1.831		9.68	10.0	-3.2	20.0
trans-1,3-Dichloropropene	Ave	0.3683	0.4110		11.2	10.0	11.6	50.0
Ethyl methacrylate	Ave	0.3922	0.4267		10.9	10.0	8.8	50.0
1,1,2-Trichloroethane	Ave	0.3142	0.3185		10.1	10.0	1.3	50.0
Tetrachloroethene	Ave	0.3846	0.3657		9.51	10.0	-4.9	50.0
1,3-Dichloropropane	Ave	0.5687	0.6014		10.6	10.0	5.8	50.0
2-Hexanone	Ave	0.1861	0.2262		24.3	20.0	21.6	50.0
Chlorodibromomethane	Ave	0.3002	0.3277		10.9	10.0	9.2	50.0
Ethylene Dibromide	Ave	0.3005	0.3315		11.0	10.0	10.3	50.0
Chlorobenzene	Ave	1.171	1.162	0.3000	9.92	10.0	-0.8	50.0
1,1,1,2-Tetrachloroethane	Ave	0.3850	0.4023		10.5	10.0	4.5	50.0
Ethylbenzene	Ave	0.6207	0.6053		9.75	10.0	-2.5	20.0
m-Xylene & p-Xylene	Ave	1.555	1.528		19.7	20.0	-1.7	50.0
o-Xylene	Ave	0.7828	0.7443		9.51	10.0	-4.9	50.0
Styrene	Ave	1.211	1.203		9.93	10.0	-0.7	50.0
Bromoform	Ave	0.1602	0.1785	0.1000	11.1	10.0	11.4	50.0
Isopropylbenzene	Ave	1.872	1.828		9.77	10.0	-2.3	50.0
Bromobenzene	Ave	0.9495	0.9330		9.83	10.0	-1.7	50.0
1,1,2,2-Tetrachloroethane	Ave	0.7411	0.7821	0.3000	10.6	10.0	5.5	50.0
1,2,3-Trichloropropane	Ave	0.2524	0.2623		10.4	10.0	3.9	50.0
trans-1,4-Dichloro-2-butene	Ave	0.1070	0.0924		8.63	10.0	-13.7	50.0
N-Propylbenzene	Ave	0.9057	0.8629		9.53	10.0	-4.7	50.0
2-Chlorotoluene	Ave	0.8687	0.8611		9.91	10.0	-0.9	50.0
1,3,5-Trimethylbenzene	Ave	2.831	2.868		10.1	10.0	1.3	50.0
4-Chlorotoluene	Ave	2.813	2.778		9.88	10.0	-1.2	50.0
tert-Butylbenzene	Ave	2.243	2.341		10.4	10.0	4.4	50.0
1,2,4-Trimethylbenzene	Ave	2.927	2.877		9.83	10.0	-1.7	50.0
sec-Butylbenzene	Ave	3.074	3.011		9.79	10.0	-2.1	50.0
1,3-Dichlorobenzene	Ave	1.735	1.655		9.54	10.0	-4.6	50.0
4-Isopropyltoluene	Ave	2.715	2.688		9.90	10.0	-1.0	50.0
1,4-Dichlorobenzene	Ave	1.807	1.727		9.56	10.0	-4.4	50.0
1,2-Dichlorobenzene	Ave	1.740	1.701		9.78	10.0	-2.2	50.0
n-Butylbenzene	Ave	2.345	2.221		9.47	10.0	-5.3	50.0
1,2-Dibromo-3-Chloropropane	Ave	0.1164	0.1433		12.3	10.0	23.1	50.0
1,3,5-Trichlorobenzene	Ave	1.299	1.249		9.62	10.0	-3.8	50.0
1,2,4-Trichlorobenzene	Ave	1.224	1.166		9.53	10.0	-4.7	50.0
Hexachlorobutadiene	Qua		0.4988		7.60	10.0	-24.0	50.0
Naphthalene	Ave	2.455	2.762		11.2	10.0	12.5	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-10641-1
SDG No.: _____
Lab Sample ID: CCVIS 240-42620/2 Calibration Date: 05/03/2012 11:39
Instrument ID: A3UX15 Calib Start Date: 04/29/2012 11:24
GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 04/29/2012 13:17
Lab File ID: UXC3249.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,3-Trichlorobenzene	Qua		1.119		10.4	10.0	4.0	50.0
Dibromofluoromethane (Surr)	Ave	0.3114	0.3242		9.27	8.90	4.1	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3753	0.3990		9.46	8.90	6.3	50.0
Toluene-d8 (Surr)	Ave	1.619	1.649		9.07	8.90	1.9	50.0
4-Bromofluorobenzene (Surr)	Ave	0.5090	0.5226		9.14	8.90	2.7	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX15\20120503-9636.b\UXC3249.D
 Lims ID: CCVIS Client ID:
 Inject. Date: 03-May-2012 11:39:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: 240-0009636-002
 Misc. Info.: C20503A,8260LLUX15,,43582
 Operator: 43582 Instrument ID: A3UX15
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 42620 Lims Sample ID: 2
 Sublist: chrom-8260_15*sub20
 Detector: MS SCAN
 Method: \\Ncchrom\ChromData\A3UX15\20120503-9636.b\8260_15.m
 Last Update: 03-May-2012 15:16:34 Calib Date: 29-Apr-2012 15:33:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A3UX15\20120429-9503.b\UXC3087.D
 Limit Group: MSV 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-18

First Level Reviewer: evansle

Date: 03-May-2012 12:28:32

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	4.668	4.668	0.0	99	1309541	10.0	
* 2 Chlorobenzene-d5	117	7.301	7.301	0.0	84	890589	10.0	
* 3 1,4-Dichlorobenzene-d4	152	9.506	9.506	0.0	94	473357	10.0	
\$ 5 Dibromofluoromethane (Surr)	113	4.111	4.111	0.0	63	377872	9.27	
\$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.384	4.384	0.0	0	464975	9.46	
\$ 7 Toluene-d8 (Surr)	98	6.008	6.008	0.0	93	1307303	9.07	
\$ 131 4-Bromofluorobenzene (Surr)	95	8.404	8.404	0.0	96	414231	9.14	
12 Dichlorodifluoromethane	85	1.158	1.158	0.0	87	377056	9.24	
13 Chloromethane	50	1.277	1.277	0.0	88	504086	10.1	
14 Vinyl chloride	62	1.360	1.360	0.0	83	447696	9.58	
15 Bromomethane	94	1.597	1.597	0.0	91	152969	6.73	
16 Chloroethane	64	1.680	1.680	0.0	95	197798	7.78	
18 Trichlorofluoromethane	101	1.870	1.870	0.0	86	528267	9.56	
20 Acrolein	56	2.190	2.190	0.0	95	657121	131.7	
21 1,1-Dichloroethene	96	2.261	2.261	0.0	89	351972	9.41	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.285	2.285	0.0	83	307515	9.12	
22 Acetone	43	2.308	2.308	0.0	95	239920	22.2	
24 Iodomethane	142	2.380	2.380	0.0	100	642342	8.50	
26 Carbon disulfide	76	2.439	2.439	0.0	99	1040600	9.05	
27 Acetonitrile	41	2.546	2.546	0.0	100	468358	123.1	
28 Methyl acetate	43	2.581	2.581	0.0	96	582908	22.1	
30 Methylene Chloride	84	2.664	2.664	0.0	88	462626	9.69	
31 2-Methyl-2-propanol	59	2.771	2.771	0.0	92	436845	233.8	
32 Acrylonitrile	53	2.866	2.866	0.0	98	288534	21.9	
33 trans-1,2-Dichloroethene	96	2.889	2.889	0.0	94	425871	9.56	
34 Methyl tert-butyl ether	73	2.889	2.889	0.0	91	1032248	10.2	
35 Hexane	86	3.115	3.115	0.0	95	75112	8.87	
36 1,1-Dichloroethane	63	3.233	3.233	0.0	86	739502	9.59	
37 Vinyl acetate	86	3.281	3.281	0.0	97	62742	10.6	
43 2,2-Dichloropropane	77	3.708	3.708	0.0	62	394504	9.65	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
42 cis-1,2-Dichloroethene	96	3.708	3.708	0.0	85	467018	9.69	
41 2-Butanone (MEK)	43	3.731	3.731	0.0	99	332054	23.0	
47 Chlorobromomethane	128	3.909	3.909	0.0	91	226372	9.83	
48 Tetrahydrofuran	42	3.945	3.945	0.0	86	100063	11.0	
49 Chloroform	83	3.980	3.980	0.0	81	797230	9.86	
50 1,1,1-Trichloroethane	97	4.123	4.123	0.0	92	585852	9.91	
51 Cyclohexane	56	4.170	4.170	0.0	90	611524	8.69	
52 1,1-Dichloropropene	75	4.253	4.253	0.0	92	565195	9.81	
53 Carbon tetrachloride	117	4.265	4.265	0.0	71	491827	9.40	
55 Benzene	78	4.431	4.431	0.0	95	1655874	9.74	
56 1,2-Dichloroethane	62	4.443	4.443	0.0	90	630181	10.6	
60 Trichloroethene	130	4.977	4.977	0.0	93	454291	10.1	
63 Methylcyclohexane	83	5.131	5.131	0.0	88	512050	8.32	
62 1,2-Dichloropropane	63	5.154	5.154	0.0	87	372109	9.82	
65 Dibromomethane	93	5.261	5.261	0.0	83	240513	11.2	
66 1,4-Dioxane	88	5.285	5.285	0.0	95	126548	331.8	
67 Dichlorobromomethane	83	5.392	5.392	0.0	93	477571	11.2	
69 2-Chloroethyl vinyl ether	63	5.664	5.664	0.0	92	345440	25.1	
70 cis-1,3-Dichloropropene	75	5.783	5.783	0.0	90	487106	10.3	
71 4-Methyl-2-pentanone (MIBK)	43	5.925	5.925	0.0	96	604493	23.2	
72 Toluene	91	6.068	6.068	0.0	97	1630496	9.68	
73 trans-1,3-Dichloropropene	75	6.269	6.269	0.0	91	366038	11.2	
74 Ethyl methacrylate	69	6.364	6.364	0.0	89	380023	10.9	
75 1,1,2-Trichloroethane	97	6.435	6.435	0.0	87	283617	10.1	
77 Tetrachloroethene	164	6.554	6.554	0.0	93	325713	9.51	
76 1,3-Dichloropropane	76	6.577	6.577	0.0	91	535622	10.6	
78 2-Hexanone	43	6.660	6.660	0.0	98	402981	24.3	
79 Chlorodibromomethane	129	6.779	6.779	0.0	89	291849	10.9	
123 Ethylene Dibromide	107	6.874	6.874	0.0	97	295257	11.0	
82 Chlorobenzene	112	7.325	7.325	0.0	94	1034436	9.92	
83 1,1,1,2-Tetrachloroethane	131	7.408	7.408	0.0	88	358301	10.5	
84 Ethylbenzene	106	7.431	7.431	0.0	98	539057	9.75	
10 m-Xylene & p-Xylene	91	7.538	7.538	0.0	92	2721879	19.7	
85 o-Xylene	106	7.906	7.906	0.0	97	662887	9.51	
86 Styrene	104	7.917	7.917	0.0	92	1071047	9.93	
87 Bromoform	173	8.095	8.095	0.0	97	158964	11.1	
88 Isopropylbenzene	105	8.261	8.261	0.0	95	1627959	9.77	
91 Bromobenzene	156	8.534	8.534	0.0	82	441626	9.83	
90 1,1,2,2-Tetrachloroethane	83	8.546	8.546	0.0	88	370187	10.6	
92 1,2,3-Trichloropropane	110	8.582	8.582	0.0	76	124173	10.4	
93 trans-1,4-Dichloro-2-butene	53	8.605	8.605	0.0	28	43734	8.63	
94 N-Propylbenzene	120	8.653	8.653	0.0	98	408480	9.53	
95 2-Chlorotoluene	126	8.724	8.724	0.0	96	407629	9.91	
96 1,3,5-Trimethylbenzene	105	8.819	8.819	0.0	90	1357638	10.1	
104 4-Chlorotoluene	91	8.831	8.831	0.0	98	1315147	9.88	
97 tert-Butylbenzene	119	9.127	9.127	0.0	89	1108326	10.4	
98 1,2,4-Trimethylbenzene	105	9.174	9.174	0.0	97	1361663	9.83	
99 sec-Butylbenzene	105	9.340	9.340	0.0	95	1425073	9.79	
100 1,3-Dichlorobenzene	146	9.435	9.435	0.0	96	783442	9.54	
101 4-Isopropyltoluene	119	9.495	9.495	0.0	91	1272597	9.90	
102 1,4-Dichlorobenzene	146	9.530	9.530	0.0	95	817710	9.56	
105 n-Butylbenzene	91	9.886	9.886	0.0	96	1051283	9.47	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
106 1,2-Dichlorobenzene	146	9.886	9.886	0.0	85	805278	9.78	
107 1,2-Dibromo-3-Chloropropane	157	10.657	10.657	0.0	79	67822	12.3	
108 1,3,5-Trichlorobenzene	180	10.858	10.858	0.0	94	591235	9.62	
109 1,2,4-Trichlorobenzene	180	11.463	11.463	0.0	91	551836	9.53	
110 Hexachlorobutadiene	225	11.641	11.641	0.0	93	236093	7.60	
111 Naphthalene	128	11.700	11.700	0.0	96	1307267	11.2	
112 1,2,3-Trichlorobenzene	180	11.937	11.937	0.0	95	529613	10.4	
S 137 Trihalomethanes, Total	1				0		43.1	
S 11 1,2-Dichloroethene, Total	96				0		19.2	
S 9 1,3-Dichloropropene, Total	75				0		21.5	
S 114 Xylenes, Total	106				0		29.2	

Report Date: 03-May-2012 15:16:34

Chrom Revision: 2.0 08-Feb-2012 11:07:54

Data File: \\Ncchrom\ChromData\A3UX15\20120503-9636.b\UXC3249.D

Injection Date: 03-May-2012 11:39:30

Limit Group: MSV 8260B ICAL

Client ID:

Instrument ID: A3UX15

Lims Batch ID: 42620

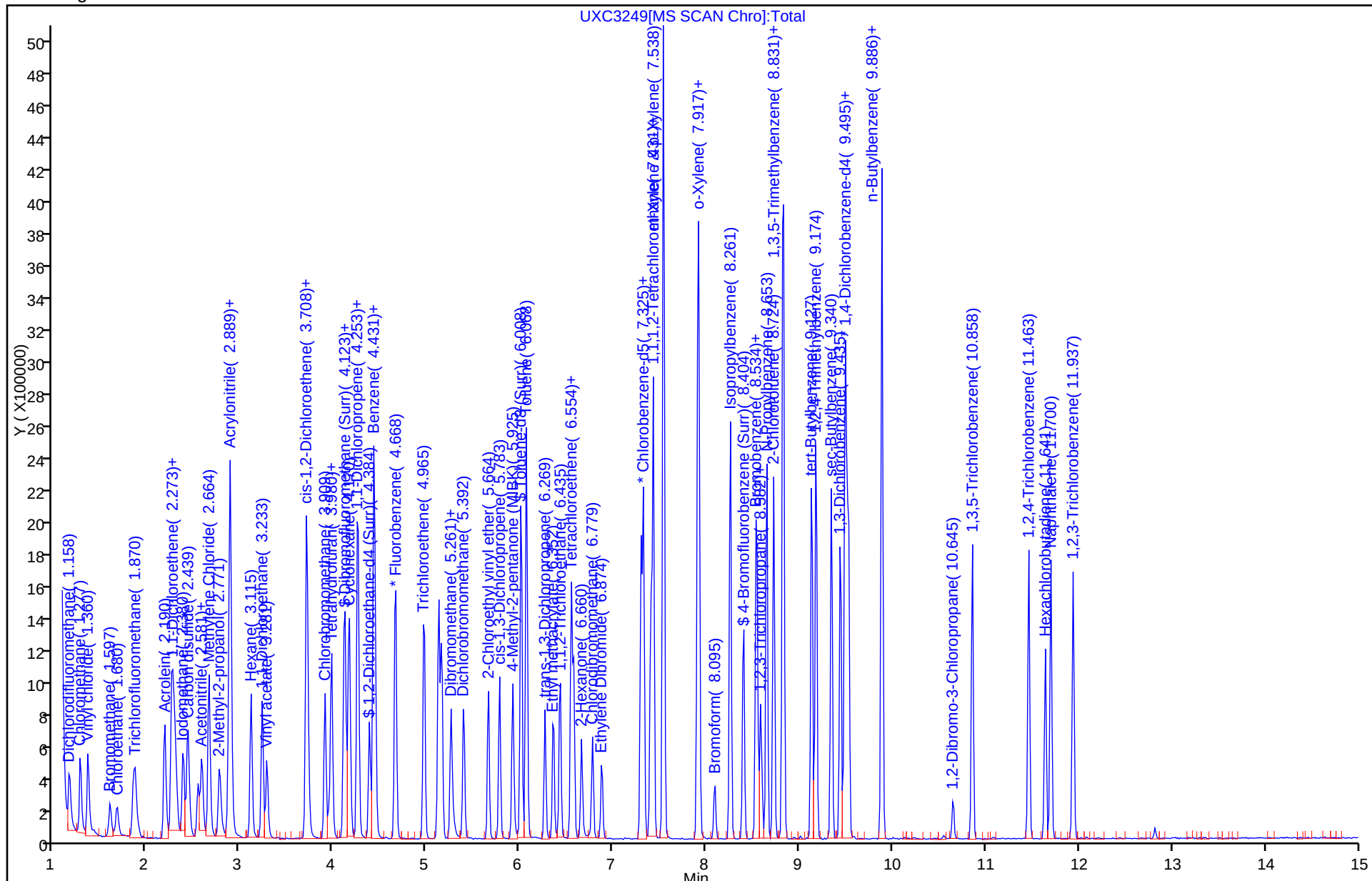
Lims Sample ID: 2

Operator ID: 43582

Column Type: DB-624

Column Dia: 0.18 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-10641-1
SDG No.: _____
Lab Sample ID: CCV 240-42620/3 Calibration Date: 05/03/2012 12:02
Instrument ID: A3UX15 Calib Start Date: 04/29/2012 11:24
GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 04/29/2012 13:17
Lab File ID: UXC3250.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibromofluoromethane (Surr)	Ave	0.3114	0.2909		8.31	8.90	-6.6	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3753	0.3725		8.83	8.90	-0.8	50.0
Toluene-d8 (Surr)	Ave	1.619	1.593		8.76	8.90	-1.6	50.0
4-Bromofluorobenzene (Surr)	Ave	0.5090	0.5231		9.15	8.90	2.8	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX15\20120503-9636.b\UXC3250.D
 Lims ID: ccv A9 L4 Client ID:
 Inject. Date: 03-May-2012 12:02:30 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 240-0009636-003
 Misc. Info.: C20503A,8260LLUX15,,43582
 Operator: 43582 Instrument ID: A3UX15
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 42620 Lims Sample ID: 3
 Sublist: chrom-8260_15*sub6
 Detector: MS SCAN
 Method: \\Ncchrom\ChromData\A3UX15\20120503-9636.b\8260_15.m
 Last Update: 03-May-2012 15:16:35 Calib Date: 29-Apr-2012 15:33:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A3UX15\20120429-9503.b\UXC3087.D
 Limit Group: MSV 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-18

First Level Reviewer: evansle

Date: 03-May-2012 13:00:59

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	4.668	4.668	0.0	99	1376292	10.0	
* 2 Chlorobenzene-d5	117	7.301	7.301	0.0	86	886192	10.0	
* 3 1,4-Dichlorobenzene-d4	152	9.506	9.506	0.0	93	503530	10.0	
\$ 5 Dibromofluoromethane (Surr)	113	4.111	4.111	0.0	68	356287	8.31	
\$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.384	4.384	0.0	0	456246	8.83	
\$ 7 Toluene-d8 (Surr)	98	6.008	6.008	0.0	93	1256382	8.76	
\$ 131 4-Bromofluorobenzene (Surr)	95	8.404	8.404	0.0	95	412538	9.15	
17 Dichlorofluoromethane	67	1.822	1.822	0.0	83	619878	9.40	
19 Ethyl ether	59	2.083	2.083	0.0	91	326351	9.96	
29 3-Chloro-1-propene	76	2.557	2.557	0.0	86	198624	9.50	
39 2-Chloro-1,3-butadiene	53	3.304	3.304	0.0	88	684468	9.61	
38 Isopropyl ether	87	3.304	3.304	0.0	93	1858284	47.4	
40 Tert-butyl ethyl ether	59	3.601	3.601	0.0	95	1067789	9.64	
44 Propionitrile	54	3.779	3.779	0.0	41	91617	21.2	
45 Ethyl acetate	43	3.791	3.791	0.0	99	571365	22.6	
46 Methacrylonitrile	41	3.909	3.909	0.0	94	228855	10.9	
54 Isobutyl alcohol	41	4.384	4.384	0.0	87	176394	232.5	
57 Tert-amyl methyl ether	73	4.526	4.526	0.0	93	887556	10.2	
58 n-Heptane	100	4.656	4.656	0.0	91	68243	10.7	
59 n-Butanol	56	4.929	4.929	0.0	88	128686	189.3	
64 Methyl methacrylate	41	5.261	5.261	0.0	90	265175	11.2	
68 2-Nitropropane	41	5.593	5.593	0.0	97	92500	24.9	
132 n-Butyl acetate	43	6.779	6.779	0.0	97	826942	22.6	
89 Cyclohexanone	55	8.344	8.344	0.0	93	236984	90.0	
103 1,2,3-Trimethylbenzene	105	9.589	9.589	0.0	98	1371932	9.38	
113 2-Methylnaphthalene	142	12.815	12.815	0.0	90	1087604	17.2	

Report Date: 03-May-2012 15:16:35

Chrom Revision: 2.0 08-Feb-2012 11:07:54

Data File: \\Ncchrom\ChromData\A3UX15\20120503-9636.b\UXC3250.D

Injection Date: 03-May-2012 12:02:30

Limit Group: MSV 8260B ICAL

Client ID:

Instrument ID: A3UX15

Lims Batch ID: 42620

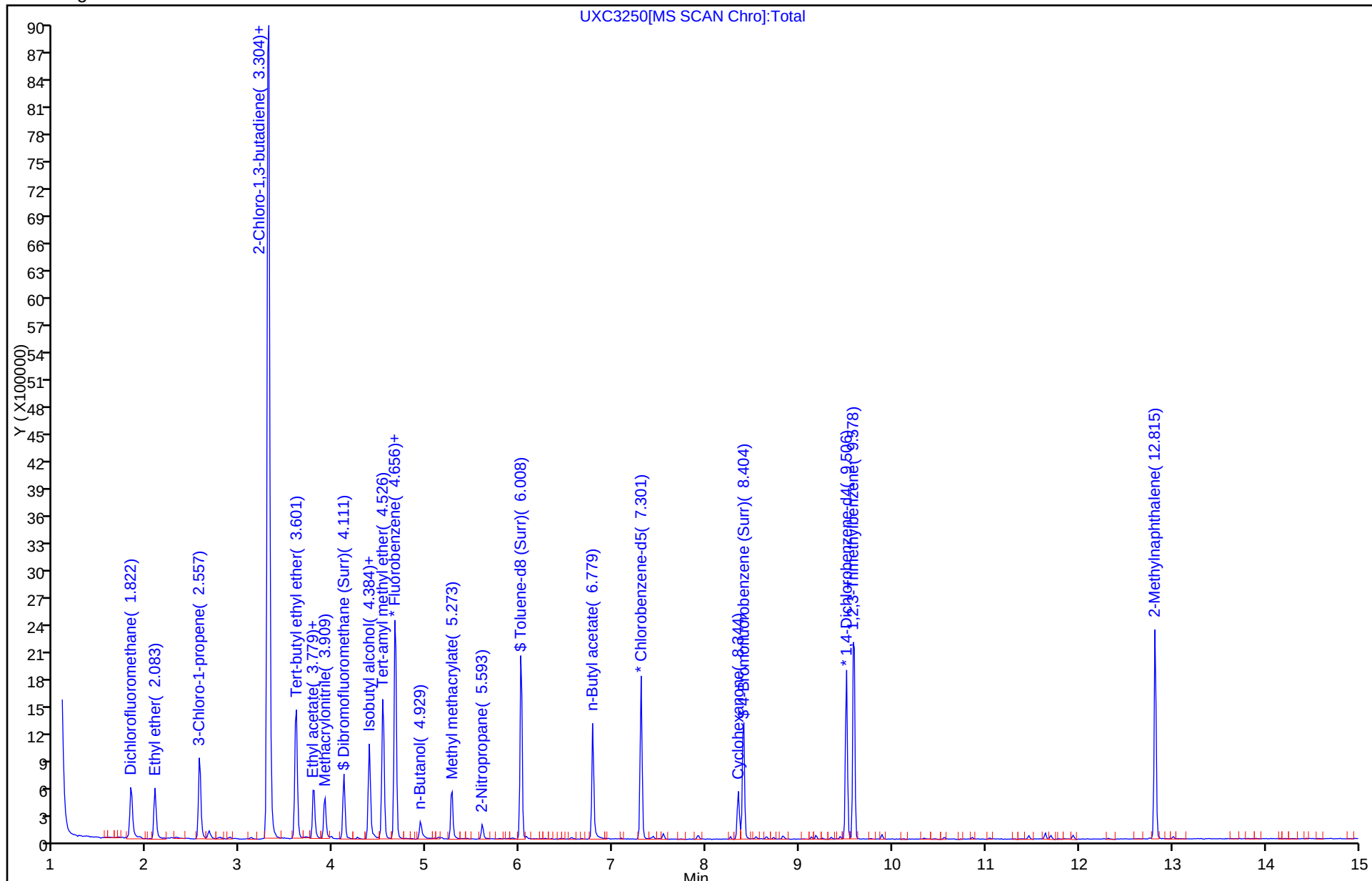
Lims Sample ID: 3

Operator ID: 43582

Column Type: DB-624

Column Dia: 0.18 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-10641-1
 SDG No.: _____
 Lab Sample ID: CCV 240-42620/3 Calibration Date: 05/03/2012 12:02
 Instrument ID: A3UX15 Calib Start Date: 04/29/2012 13:40
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 04/29/2012 15:33
 Lab File ID: UXC3250.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorofluoromethane	Ave	0.4791	0.4504		9.40	10.0	-6.0	50.0
Ethyl ether	Ave	0.2380	0.2371		9.96	10.0	-0.4	50.0
3-Chloro-1-propene	Ave	0.1520	0.1443		9.50	10.0	-5.0	50.0
2-Chloro-1,3-butadiene	Ave	0.5177	0.4973		9.61	10.0	-3.9	50.0
Isopropyl ether	Ave	0.2846	0.2700		47.4	50.0	-5.1	50.0
Tert-butyl ethyl ether	Ave	0.8049	0.7758		9.64	10.0	-3.6	50.0
Propionitrile	Lin1		0.0333		21.2	20.0	6.0	50.0
Ethyl acetate	Ave	0.1834	0.2076		22.6	20.0	13.2	50.0
Methacrylonitrile	Ave	0.1524	0.1663		10.9	10.0	9.1	50.0
Isobutyl alcohol	Lin1		0.0064		233	200	16.3	50.0
Tert-amyl methyl ether	Ave	0.6303	0.6449		10.2	10.0	2.3	50.0
n-Heptane	Ave	0.0463	0.0496		10.7	10.0	7.1	50.0
n-Butanol	Qua		0.0047		189	200	-5.4	50.0
Methyl methacrylate	Ave	0.1713	0.1927		11.2	10.0	12.5	50.0
2-Nitropropane	Lin1		0.0336		24.9	20.0	24.5	50.0
Cyclohexanone	Ave	0.0523	0.0471		90.0	100	-10.0	50.0
1,2,3-Trimethylbenzene	Ave	2.905	2.725		9.38	10.0	-6.2	50.0
2-Methylnaphthalene	Ave	1.257	1.080		17.2	20.0	-14.1	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX15\20120503-9636.b\UXC3250.D
 Lims ID: ccv A9 L4 Client ID:
 Inject. Date: 03-May-2012 12:02:30 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 240-0009636-003
 Misc. Info.: C20503A,8260LLUX15,,43582
 Operator: 43582 Instrument ID: A3UX15
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 42620 Lims Sample ID: 3
 Sublist: chrom-8260_15*sub6
 Detector: MS SCAN
 Method: \\Ncchrom\ChromData\A3UX15\20120503-9636.b\8260_15.m
 Last Update: 03-May-2012 15:16:35 Calib Date: 29-Apr-2012 15:33:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A3UX15\20120429-9503.b\UXC3087.D
 Limit Group: MSV 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-18

First Level Reviewer: evansle

Date: 03-May-2012 13:00:59

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	4.668	4.668	0.0	99	1376292	10.0	
* 2 Chlorobenzene-d5	117	7.301	7.301	0.0	86	886192	10.0	
* 3 1,4-Dichlorobenzene-d4	152	9.506	9.506	0.0	93	503530	10.0	
\$ 5 Dibromofluoromethane (Surr)	113	4.111	4.111	0.0	68	356287	8.31	
\$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.384	4.384	0.0	0	456246	8.83	
\$ 7 Toluene-d8 (Surr)	98	6.008	6.008	0.0	93	1256382	8.76	
\$ 131 4-Bromofluorobenzene (Surr)	95	8.404	8.404	0.0	95	412538	9.15	
17 Dichlorofluoromethane	67	1.822	1.822	0.0	83	619878	9.40	
19 Ethyl ether	59	2.083	2.083	0.0	91	326351	9.96	
29 3-Chloro-1-propene	76	2.557	2.557	0.0	86	198624	9.50	
39 2-Chloro-1,3-butadiene	53	3.304	3.304	0.0	88	684468	9.61	
38 Isopropyl ether	87	3.304	3.304	0.0	93	1858284	47.4	
40 Tert-butyl ethyl ether	59	3.601	3.601	0.0	95	1067789	9.64	
44 Propionitrile	54	3.779	3.779	0.0	41	91617	21.2	
45 Ethyl acetate	43	3.791	3.791	0.0	99	571365	22.6	
46 Methacrylonitrile	41	3.909	3.909	0.0	94	228855	10.9	
54 Isobutyl alcohol	41	4.384	4.384	0.0	87	176394	232.5	
57 Tert-amyl methyl ether	73	4.526	4.526	0.0	93	887556	10.2	
58 n-Heptane	100	4.656	4.656	0.0	91	68243	10.7	
59 n-Butanol	56	4.929	4.929	0.0	88	128686	189.3	
64 Methyl methacrylate	41	5.261	5.261	0.0	90	265175	11.2	
68 2-Nitropropane	41	5.593	5.593	0.0	97	92500	24.9	
132 n-Butyl acetate	43	6.779	6.779	0.0	97	826942	22.6	
89 Cyclohexanone	55	8.344	8.344	0.0	93	236984	90.0	
103 1,2,3-Trimethylbenzene	105	9.589	9.589	0.0	98	1371932	9.38	
113 2-Methylnaphthalene	142	12.815	12.815	0.0	90	1087604	17.2	

Report Date: 03-May-2012 15:16:35

Chrom Revision: 2.0 08-Feb-2012 11:07:54

Data File: \\Ncchrom\ChromData\A3UX15\20120503-9636.b\UXC3250.D

Injection Date: 03-May-2012 12:02:30

Limit Group: MSV 8260B ICAL

Client ID:

Instrument ID: A3UX15

Lims Batch ID: 42620

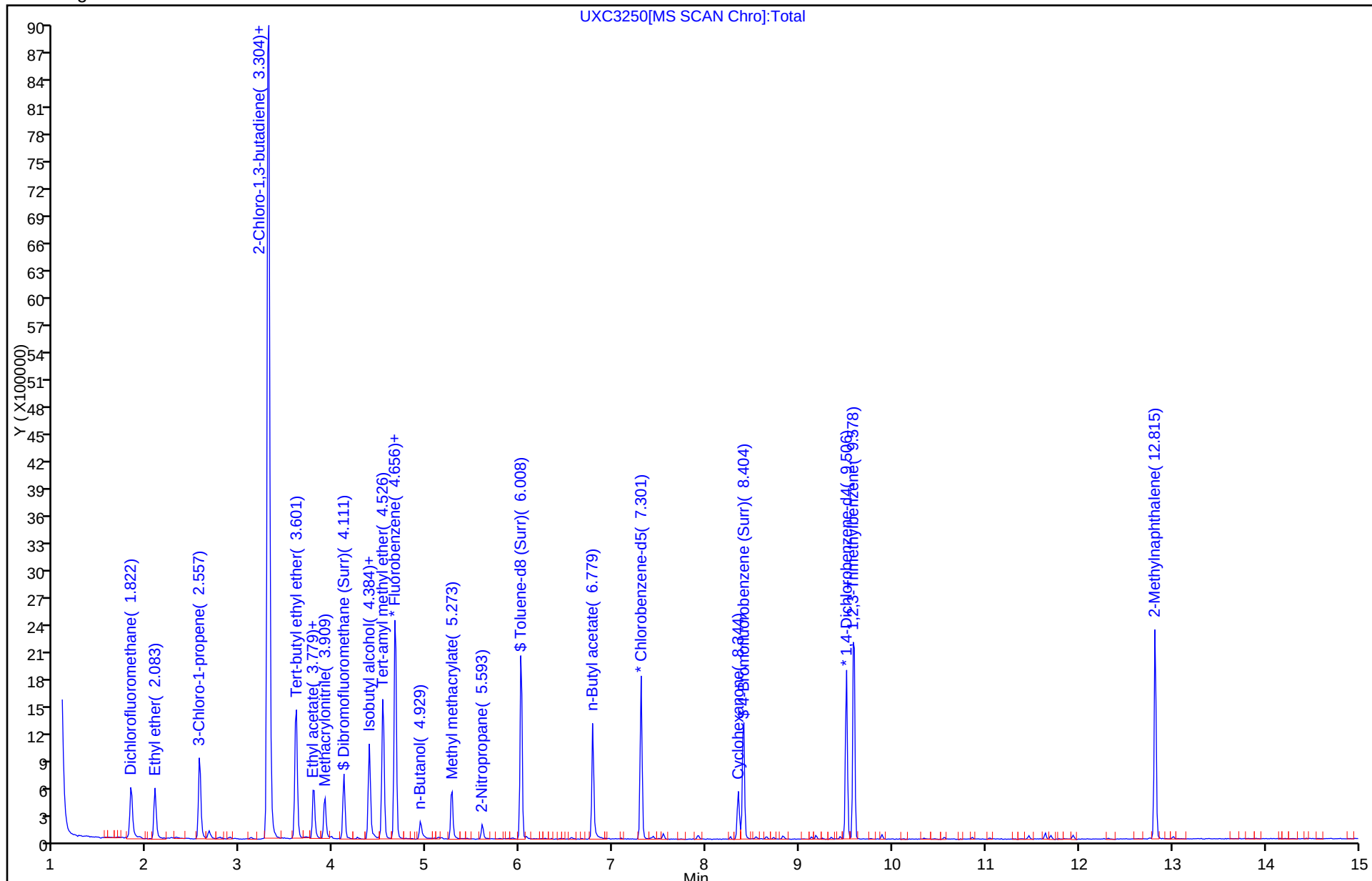
Lims Sample ID: 3

Operator ID: 43582

Column Type: DB-624

Column Dia: 0.18 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX15\20120429-9503.b\BFB951.D
Lims ID: BFB Client ID:
Inject. Date: 29-Apr-2012 09:08:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID:
Misc. Info.: C20429A,BFBUX15,,43582
Operator: Instrument ID: A3UX15
Vol. Injected: 1.0000 ALS Bottle#: 28
Lims Batch ID: 42081 Lims Sample ID: 1
Detector: MS SCAN
Method: \\Ncchrom\ChromData\A3UX15\20120429-9503.b\8260_15.m
Last Update: 30-Apr-2012 08:42:33 Calib Date: 29-Apr-2012 15:33:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX15\20120429-9503.b\UXC3087.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-18

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
\$ 4 BFB	95	3.026	3.026	0.0	0	290262	0	

Data File: \\Ncchrom\ChromData\A3UX15\20120429-9503.b\BFB951.D

Injection Date: 29-Apr-2012 09:08:30

Limit Group: MSV 8260B ICAL

Client ID:

Instrument ID: A3UX15

Lims Batch ID: 42081

Lims Sample ID: 1

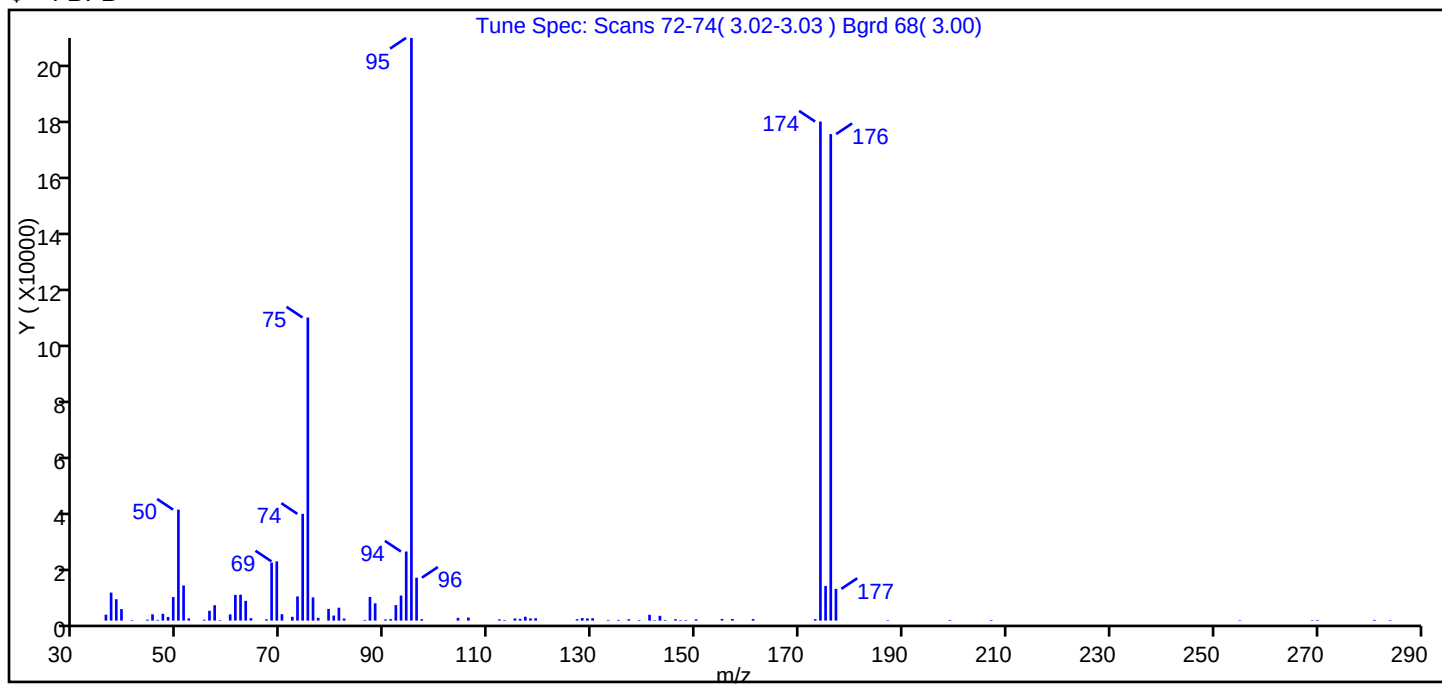
Operator ID:

Column Type: DB-624

Column Dia: 0.18 mm

Tune Method: BFB Method 8260

\$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.04
75	30.00 - 60.00% of mass 95	52.02
96	5.00 - 9.00% of mass 95	7.37
173	Less than 2.00% of mass 174	0.24 (0.28)
174	Greater than 50.00% of mass 95	85.65
175	5.00 - 9.00% of mass 174	5.95 (6.94)
176	95.00 - 101.00% of mass 174	83.50 (97.49)
177	5.00 - 9.00% of mass 176	5.44 (6.52)

Data File: \\Ncchrom\ChromData\A3UX15\20120429-9503.b\BFB951.D\8260_15.rslt\spectra.d

Injection Date: 29-Apr-2012 09:08:30

Spectrum: Tune Spec: Scans 72-74(3.02-3.03) Bgrd 68(3.00)

Base Peak: 95.00

Minimum % Base Peak: 0

Number of Points: 89

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2086	67.00	462	96.00	15112	146.00	483
37.00	9862	68.00	20416	97.00	500	147.00	194
38.00	7524	69.00	20848	104.00	962	148.00	187
39.00	4050	70.00	2235	106.00	1071	150.00	488
41.00	181	72.00	1337	112.00	430	155.00	588
44.00	340	73.00	8512	113.00	224	157.00	574
45.00	2208	74.00	37592	115.00	772	161.00	534
46.00	255	75.00	106736	116.00	605	173.00	495
47.00	2388	76.00	8172	117.00	1353	174.00	175744
48.00	1293	77.00	1002	118.00	771	175.00	12205
49.00	8276	79.00	4113	119.00	828	176.00	171328
50.00	39072	80.00	1777	127.00	477	177.00	11168
51.00	12375	81.00	4543	128.00	901	187.00	191
52.00	770	82.00	724	129.00	761	199.00	217
55.00	314	86.00	272	130.00	849	207.00	212
56.00	3461	87.00	8342	133.00	236	255.00	166
57.00	5410	88.00	6093	135.00	254	269.00	170
58.00	197	90.00	418	137.00	483	270.00	227
60.00	2190	91.00	534	139.00	231	281.00	245
61.00	9038	92.00	5439	141.00	2048	284.00	176
62.00	9108	93.00	8812	142.00	179		
63.00	6956	94.00	24328	143.00	1692		
64.00	859	95.00	205184	144.00	243		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX15\20120503-9636.b\BFB955.D
Lims ID: BFB Client ID:
Inject. Date: 03-May-2012 09:29:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID:
Misc. Info.: C20503A,BFBUX15,,43582
Operator: Instrument ID: A3UX15
Vol. Injected: 1.0000 ALS Bottle#: 38
Lims Batch ID: 42620 Lims Sample ID: 1
Detector: MS SCAN
Method: \\Ncchrom\ChromData\A3UX15\20120503-9636.b\8260_15.m
Last Update: 03-May-2012 15:16:33 Calib Date: 29-Apr-2012 15:33:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX15\20120429-9503.b\UXC3087.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-18

First Level Reviewer: evansle

Date: 03-May-2012 10:15:18

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
\$ 4 BFB	95	3.032	3.032	0.0	0	292620	0	

Data File: \\Ncchrom\ChromData\A3UX15\20120503-9636.b\BFB955.D

Injection Date: 03-May-2012 09:29:30

Limit Group: MSV 8260B ICAL

Client ID:

Instrument ID: A3UX15

Lims Batch ID: 42620

Lims Sample ID: 1

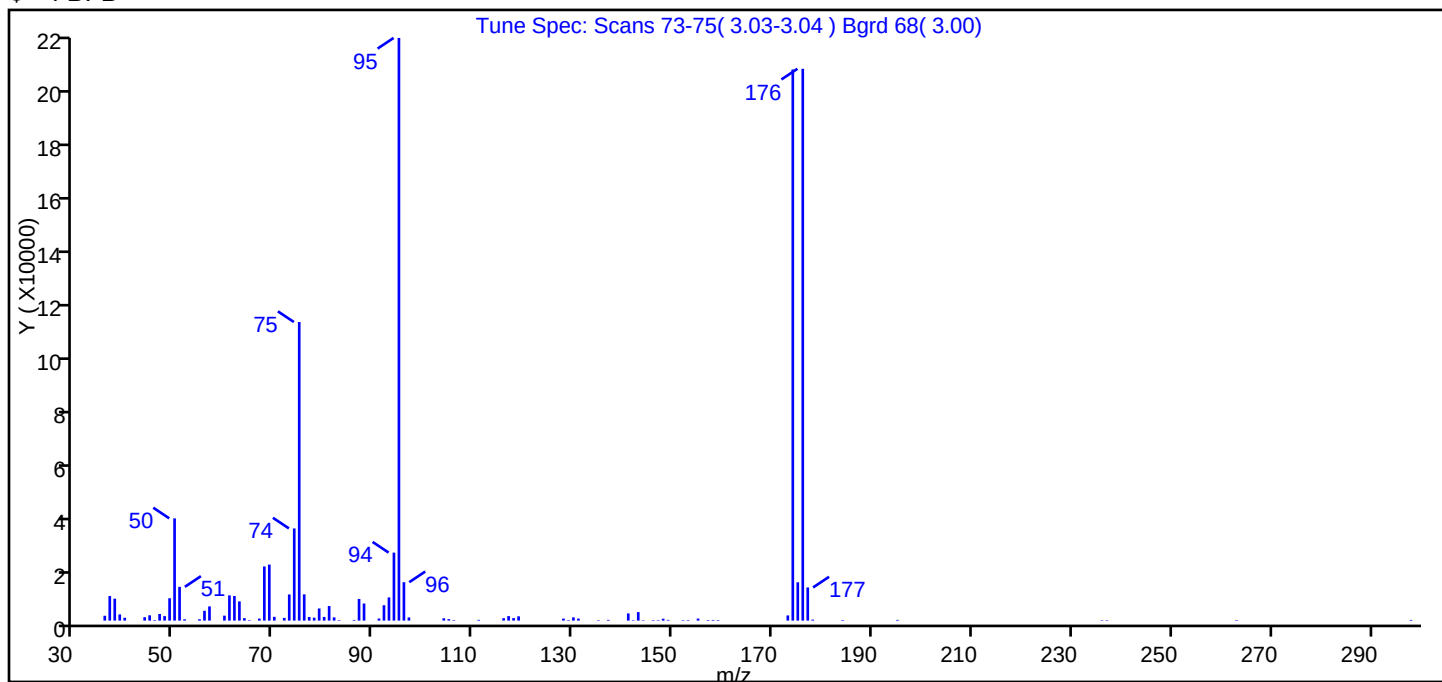
Operator ID:

Column Type: DB-624

Column Dia: 0.18 mm

Tune Method: BFB Method 8260

\$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.55
75	30.00 - 60.00% of mass 95	51.24
96	5.00 - 9.00% of mass 95	6.59
173	Less than 2.00% of mass 174	0.89 (0.94)
174	Greater than 50.00% of mass 95	94.58
175	5.00 - 9.00% of mass 174	6.58 (6.96)
176	95.00 - 101.00% of mass 174	94.70 (100.13)
177	5.00 - 9.00% of mass 176	5.69 (6.01)

Data File: \\Ncchrom\ChromData\A3UX15\20120503-9636.b\BFB955.D\8260_15.rslt\spectra.d

Injection Date: 03-May-2012 09:29:30

Spectrum: Tune Spec: Scans 73-75(3.03-3.04) Bgrd 68(3.00)

Base Peak: 95.00

Minimum % Base Peak: 0

Number of Points: 89

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1767	67.00	727	95.00	212608	148.00	685
37.00	8964	68.00	19744	96.00	14014	149.00	245
38.00	8003	69.00	20432	97.00	1157	152.00	184
39.00	2258	70.00	1372	104.00	837	153.00	192
40.00	1037	72.00	978	105.00	524	155.00	740
44.00	1242	73.00	9532	106.00	188	157.00	223
45.00	1926	74.00	33632	111.00	281	158.00	236
46.00	207	75.00	108944	116.00	886	159.00	208
47.00	2412	76.00	9574	117.00	1638	173.00	1886
48.00	1640	77.00	1320	118.00	923	174.00	201088
49.00	8159	78.00	1066	119.00	1556	175.00	13988
50.00	37304	79.00	4421	128.00	728	176.00	201344
51.00	12320	80.00	1341	129.00	199	177.00	12096
52.00	475	81.00	5313	130.00	1180	178.00	351
55.00	507	82.00	1177	131.00	734	184.00	211
56.00	3583	83.00	192	135.00	176	195.00	256
57.00	5182	86.00	253	137.00	262	236.00	170
60.00	1808	87.00	7898	141.00	2619	237.00	175
61.00	9202	88.00	6237	142.00	172	263.00	191
62.00	8994	91.00	763	143.00	3103	298.00	251
63.00	7004	92.00	5617	144.00	173		
64.00	895	93.00	8458	146.00	195		
65.00	186	94.00	24808	147.00	176		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-10641-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 240-42620/5
 Matrix: Water Lab File ID: UXC3254.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 05/03/2012 13:34
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 42620 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.22
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.17
127-18-4	Tetrachloroethene	1.0	U	1.0	0.29
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.19
79-01-6	Trichloroethene	1.0	U	1.0	0.17
75-01-4	Vinyl chloride	1.0	U	1.0	0.22

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		63-129
460-00-4	4-Bromofluorobenzene (Surr)	99		66-117
2037-26-5	Toluene-d8 (Surr)	96		74-115
1868-53-7	Dibromofluoromethane (Surr)	88		75-121

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX15\20120503-9636.b\UXC3254.D
 Lims ID: MB Client ID:
 Inject. Date: 03-May-2012 13:34:30 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: 240-0009636-005
 Misc. Info.: C20503A,8260LLUX15,,43582
 Operator: 43582 Instrument ID: A3UX15
 Vol. Injected: 1.0000 ALS Bottle#: 7
 Lims Batch ID: 42620 Lims Sample ID: 5
 Detector: MS SCAN
 Method: \\Ncchrom\ChromData\A3UX15\20120503-9636.b\8260_15.m
 Last Update: 03-May-2012 15:16:35 Calib Date: 29-Apr-2012 15:33:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A3UX15\20120429-9503.b\UXC3087.D
 Limit Group: MSV 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-18

First Level Reviewer: evansle

Date: 03-May-2012 14:38:28

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	4.668	4.668	0.0	99	1351363	10.0	
* 2 Chlorobenzene-d5	117	7.301	7.301	0.0	84	885983	10.0	
* 3 1,4-Dichlorobenzene-d4	152	9.506	9.506	0.0	94	474336	10.0	
\$ 5 Dibromofluoromethane (Surr)	113	4.111	4.111	0.0	58	330660	7.86	
\$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.384	4.384	0.0	0	445466	8.78	
\$ 7 Toluene-d8 (Surr)	98	6.008	6.008	0.0	94	1228412	8.56	
\$ 131 4-Bromofluorobenzene (Surr)	95	8.404	8.404	0.0	96	398133	8.83	
134 Chlorodifluoromethane TIC	1		0.000					
135 1,4-Dichlorobutane	1		0.000					
133 Benzyl chloride	126		0.000					
12 Dichlorodifluoromethane	85		1.158					
13 Chloromethane	50		1.277					
14 Vinyl chloride	62		1.360					
15 Bromomethane	94		1.597					
16 Chloroethane	64		1.680					
17 Dichlorofluoromethane	67		1.822					
18 Trichlorofluoromethane	101		1.870					
19 Ethyl ether	59		2.083					
20 Acrolein	56		2.190					
21 1,1-Dichloroethene	96		2.261					
23 1,1,2-Trichloro-1,2,2-trifluoroe	151		2.285					
22 Acetone	43		2.308					
24 Iodomethane	142		2.380					
26 Carbon disulfide	76		2.439					
27 Acetonitrile	41		2.546					
29 3-Chloro-1-propene	76		2.557					
28 Methyl acetate	43		2.581					
30 Methylene Chloride	84		2.664					
31 2-Methyl-2-propanol	59		2.771					
25 Methylal	45		2.856					
32 Acrylonitrile	53		2.866					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
33 trans-1,2-Dichloroethene	96		2.889					
34 Methyl tert-butyl ether	73		2.889					
35 Hexane	86		3.115					
36 1,1-Dichloroethane	63		3.233					
37 Vinyl acetate	86		3.281					
39 2-Chloro-1,3-butadiene	53		3.304					
38 Isopropyl ether	87		3.304					
40 Tert-butyl ethyl ether	59		3.601					
43 2,2-Dichloropropane	77		3.708					
42 cis-1,2-Dichloroethene	96		3.708					
41 2-Butanone (MEK)	43		3.731					
44 Propionitrile	54		3.779					
45 Ethyl acetate	43		3.791					
47 Chlorobromomethane	128		3.909					
46 Methacrylonitrile	41		3.909					
48 Tetrahydrofuran	42		3.945					
49 Chloroform	83		3.980					
50 1,1,1-Trichloroethane	97		4.123					
51 Cyclohexane	56		4.170					
52 1,1-Dichloropropene	75		4.253					
53 Carbon tetrachloride	117		4.265					
54 Isobutyl alcohol	41		4.384					
55 Benzene	78		4.431					
56 1,2-Dichloroethane	62		4.443					
57 Tert-amyl methyl ether	73		4.526					
58 n-Heptane	100		4.656					
59 n-Butanol	56		4.929					
60 Trichloroethene	130		4.977					
61 Ethyl acrylate	55		5.071					
63 Methylcyclohexane	83		5.131					
62 1,2-Dichloropropane	63		5.154					
65 Dibromomethane	93		5.261					
64 Methyl methacrylate	41		5.261					
66 1,4-Dioxane	88		5.285					
67 Dichlorobromomethane	83		5.392					
68 2-Nitropropane	41		5.593					
69 2-Chloroethyl vinyl ether	63		5.664					
70 cis-1,3-Dichloropropene	75		5.783					
71 4-Methyl-2-pentanone (MIBK)	43		5.925					
72 Toluene	91		6.068					
73 trans-1,3-Dichloropropene	75		6.269					
74 Ethyl methacrylate	69		6.364					
75 1,1,2-Trichloroethane	97		6.435					
77 Tetrachloroethene	164		6.554					
76 1,3-Dichloropropane	76		6.577					
78 2-Hexanone	43		6.660					
79 Chlorodibromomethane	129		6.779					
132 n-Butyl acetate	43		6.779					
123 Ethylene Dibromide	107		6.874					
80 Tetrahydrothiophene	60		7.255					
81 1-Chlorohexane	91		7.312					
82 Chlorobenzene	112		7.325					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
83 1,1,1,2-Tetrachloroethane	131		7.408					
84 Ethylbenzene	106		7.431					
10 m-Xylene & p-Xylene	91		7.538					
85 o-Xylene	106		7.906					
86 Styrene	104		7.917					
87 Bromoform	173		8.095					
88 Isopropylbenzene	105		8.261					
89 Cyclohexanone	55		8.344					
91 Bromobenzene	156		8.534					
90 1,1,2,2-Tetrachloroethane	83		8.546					
92 1,2,3-Trichloropropane	110		8.582					
93 trans-1,4-Dichloro-2-butene	53		8.605					
94 N-Propylbenzene	120		8.653					
95 2-Chlorotoluene	126		8.724					
96 1,3,5-Trimethylbenzene	105		8.819					
104 4-Chlorotoluene	91		8.831					
97 tert-Butylbenzene	119		9.127					
98 1,2,4-Trimethylbenzene	105		9.174					
99 sec-Butylbenzene	105		9.340					
100 1,3-Dichlorobenzene	146		9.435					
101 4-Isopropyltoluene	119		9.495					
102 1,4-Dichlorobenzene	146		9.530					
103 1,2,3-Trimethylbenzene	105		9.589					
105 n-Butylbenzene	91		9.886					
106 1,2-Dichlorobenzene	146		9.886					
107 1,2-Dibromo-3-Chloropropane	157		10.657					
108 1,3,5-Trichlorobenzene	180		10.858					
109 1,2,4-Trichlorobenzene	180		11.463					
110 Hexachlorobutadiene	225		11.641					
111 Naphthalene	128		11.700					
112 1,2,3-Trichlorobenzene	180		11.937					
113 2-Methylnaphthalene	142		12.815					
S 137 Trihalomethanes, Total	1		0.000					
S 11 1,2-Dichloroethene, Total	96		1.140					
S 9 1,3-Dichloropropene, Total	75		6.760					
S 114 Xylenes, Total	106		16.530					
T 138 Butyl Methacrylate TIC	1		8.925					1
T 136 Hexachloroethane TIC	1		10.220					1

QC Flag Legend

Processing Flags

1 - Missing Peaks

Report Date: 03-May-2012 15:16:36

Chrom Revision: 2.0 08-Feb-2012 11:07:54

Data File: \\Ncchrom\ChromData\A3UX15\20120503-9636.b\UXC3254.D

Injection Date: 03-May-2012 13:34:30

Limit Group: MSV 8260B ICAL

Client ID:

Instrument ID: A3UX15

Lims Batch ID: 42620

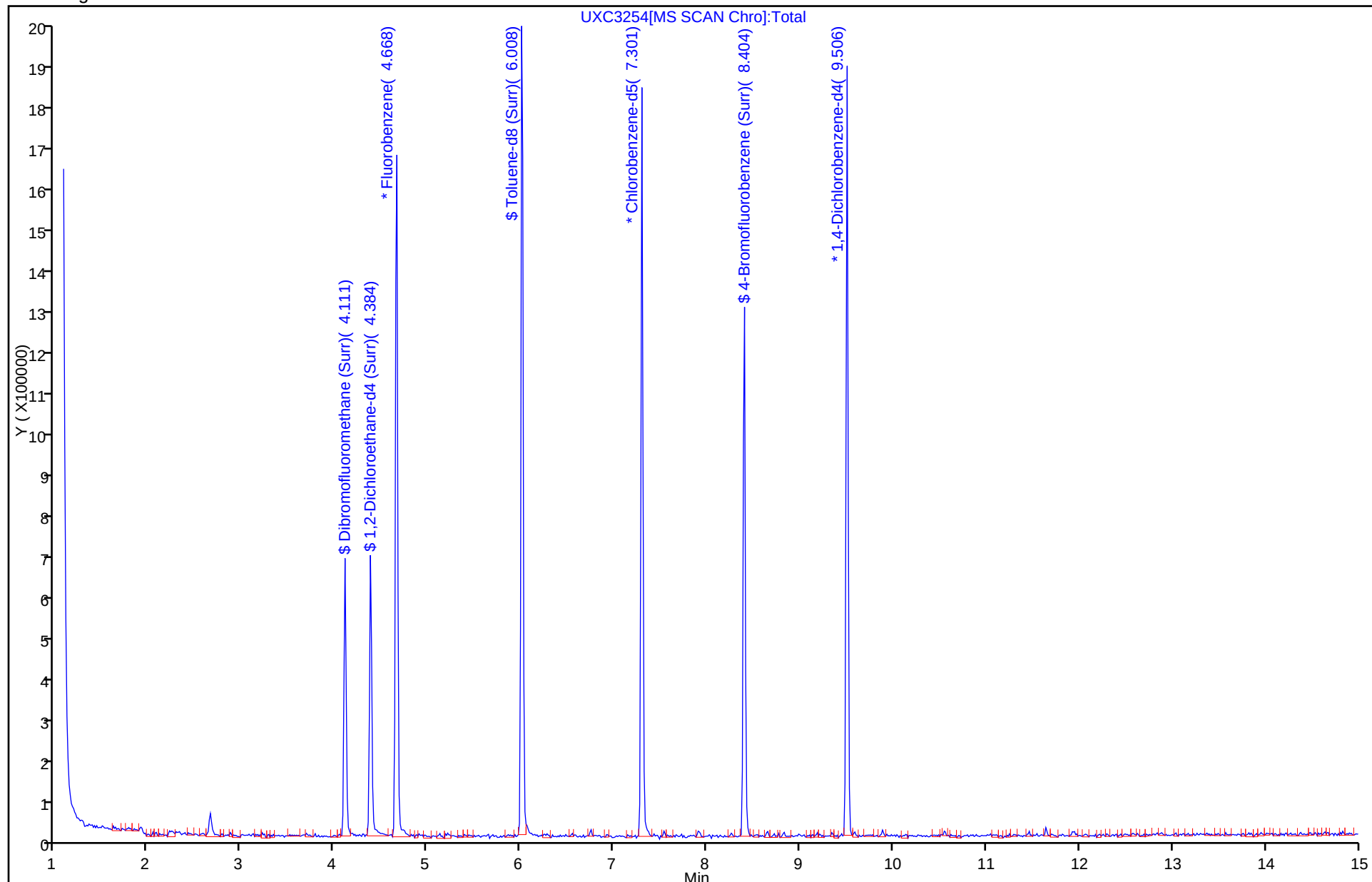
Lims Sample ID: 5

Operator ID: 43582

Column Type: DB-624

Column Dia: 0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-10641-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 240-42620/4
 Matrix: Water Lab File ID: UXC3251.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 05/03/2012 12:25
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 42620 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	9.45		1.0	0.22
156-59-2	cis-1,2-Dichloroethene	9.56		1.0	0.17
127-18-4	Tetrachloroethene	9.60		1.0	0.29
156-60-5	trans-1,2-Dichloroethene	9.20		1.0	0.19
79-01-6	Trichloroethene	10.0		1.0	0.17
75-01-4	Vinyl chloride	8.55		1.0	0.22

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		63-129
460-00-4	4-Bromofluorobenzene (Surr)	105		66-117
2037-26-5	Toluene-d8 (Surr)	100		74-115
1868-53-7	Dibromofluoromethane (Surr)	97		75-121

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX15\20120503-9636.b\UXC3251.D
 Lims ID: LCS Client ID:
 Inject. Date: 03-May-2012 12:25:30 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: 240-0009636-004
 Misc. Info.: C20503A,8260LLUX15,,43582
 Operator: 43582 Instrument ID: A3UX15
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 42620 Lims Sample ID: 4
 Detector: MS SCAN
 Method: \\Ncchrom\ChromData\A3UX15\20120503-9636.b\8260_15.m
 Last Update: 03-May-2012 15:16:35 Calib Date: 29-Apr-2012 15:33:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A3UX15\20120429-9503.b\UXC3087.D
 Limit Group: MSV 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-18

First Level Reviewer: evansle

Date: 03-May-2012 13:01:39

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	4.668	4.668	0.0	99	1375421	10.0	
* 2 Chlorobenzene-d5	117	7.301	7.301	0.0	83	944146	10.0	
* 3 1,4-Dichlorobenzene-d4	152	9.506	9.506	0.0	92	517527	10.0	
\$ 5 Dibromofluoromethane (Surr)	113	4.111	4.111	0.0	61	370813	8.66	
\$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.383	4.384	-0.001	0	453812	8.79	
\$ 7 Toluene-d8 (Surr)	98	6.008	6.008	0.0	92	1354776	8.86	
\$ 131 4-Bromofluorobenzene (Surr)	95	8.403	8.404	-0.001	95	449762	9.36	
12 Dichlorodifluoromethane	85	1.158	1.158	0.0	97	271273	6.33	
13 Chloromethane	50	1.276	1.277	-0.001	88	457796	8.74	
14 Vinyl chloride	62	1.359	1.360	-0.001	82	419334	8.55	
15 Bromomethane	94	1.597	1.597	0.0	90	147217	6.17	
16 Chloroethane	64	1.680	1.680	0.0	95	189133	7.08	
18 Trichlorofluoromethane	101	1.858	1.870	-0.012	97	544310	9.38	
19 Ethyl ether	59	2.083	2.083	0.0	92	333820	10.2	
20 Acrolein	56	2.190	2.190	0.0	92	83998	16.0	
21 1,1-Dichloroethene	96	2.261	2.261	0.0	90	362494	9.22	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.284	2.285	-0.001	81	338953	9.56	
22 Acetone	43	2.308	2.308	0.0	95	222327	19.4	
24 Iodomethane	142	2.379	2.380	-0.001	99	680755	8.57	
26 Carbon disulfide	76	2.439	2.439	0.0	99	1005147	8.33	
27 Acetonitrile	41	2.545	2.546	-0.001	89	99263	24.8	
28 Methyl acetate	43	2.581	2.581	0.0	96	339832	12.3	
30 Methylene Chloride	84	2.664	2.664	0.0	89	463513	9.20	
31 2-Methyl-2-propanol	59	2.771	2.771	0.0	92	340024	173.3	
32 Acrylonitrile	53	2.866	2.866	0.0	98	421670	30.5	
33 trans-1,2-Dichloroethene	96	2.889	2.889	0.0	94	430451	9.20	
34 Methyl tert-butyl ether	73	2.889	2.889	0.0	90	1062748	10.0	
35 Hexane	86	3.115	3.115	0.0	94	80338	9.02	
36 1,1-Dichloroethane	63	3.233	3.233	0.0	86	771916	9.53	
37 Vinyl acetate	86	3.281	3.281	0.0	96	58192	9.43	
38 Isopropyl ether	87	3.304	3.304	0.0	89	377103	9.63	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
43 2,2-Dichloropropane	77	3.707	3.708	-0.001	61	404189	9.41	
42 cis-1,2-Dichloroethene	96	3.707	3.708	-0.001	72	484164	9.56	
41 2-Butanone (MEK)	43	3.731	3.731	0.0	99	327794	21.6	
47 Chlorobromomethane	128	3.909	3.909	0.0	93	232969	9.63	
48 Tetrahydrofuran	42	3.945	3.945	0.0	89	102528	10.7	
49 Chloroform	83	3.980	3.980	0.0	80	790838	9.31	
50 1,1,1-Trichloroethane	97	4.123	4.123	-0.001	93	586357	9.45	
51 Cyclohexane	56	4.170	4.170	0.0	90	603268	8.19	
52 1,1-Dichloropropene	75	4.265	4.253	0.012	93	587115	9.71	
53 Carbon tetrachloride	117	4.265	4.265	0.0	70	485432	8.86	
54 Isobutyl alcohol	41	4.383	4.384	-0.001	86	431935	561.0	
55 Benzene	78	4.431	4.431	0.0	95	1747031	9.78	
56 1,2-Dichloroethane	62	4.443	4.443	0.0	90	670729	10.8	
60 Trichloroethene	130	4.976	4.977	-0.001	93	474563	10.0	
63 Methylcyclohexane	83	5.130	5.131	-0.001	89	502989	7.81	
62 1,2-Dichloropropane	63	5.154	5.154	0.0	89	395539	9.93	
65 Dibromomethane	93	5.261	5.261	0.0	83	252136	11.2	
67 Dichlorobromomethane	83	5.391	5.392	-0.001	94	498467	11.1	
69 2-Chloroethyl vinyl ether	63	5.664	5.664	0.0	91	175620	12.2	
70 cis-1,3-Dichloropropene	75	5.783	5.783	0.0	90	483905	9.81	
71 4-Methyl-2-pentanone (MIBK)	43	5.925	5.925	0.0	97	651719	23.8	
72 Toluene	91	6.067	6.068	-0.001	97	1706871	9.56	
73 trans-1,3-Dichloropropene	75	6.269	6.269	0.0	96	395252	11.4	
75 1,1,2-Trichloroethane	97	6.435	6.435	0.0	93	308826	10.4	
77 Tetrachloroethene	164	6.553	6.554	-0.001	93	348444	9.60	
76 1,3-Dichloropropane	76	6.577	6.577	0.0	90	562949	10.5	
78 2-Hexanone	43	6.660	6.660	0.0	97	420128	23.9	
79 Chlorodibromomethane	129	6.779	6.779	0.0	87	309902	10.9	
123 Ethylene Dibromide	107	6.874	6.874	0.0	98	306779	10.8	
82 Chlorobenzene	112	7.324	7.325	0.0	93	1075071	9.73	
83 1,1,1,2-Tetrachloroethane	131	7.407	7.408	-0.001	86	371308	10.2	
84 Ethylbenzene	106	7.431	7.431	0.0	98	567740	9.69	
10 m-Xylene & p-Xylene	91	7.538	7.538	0.0	92	2846829	19.4	
85 o-Xylene	106	7.905	7.906	-0.001	97	708322	9.58	
86 Styrene	104	7.917	7.917	0.0	92	1129552	9.88	
87 Bromoform	173	8.095	8.095	0.0	99	168351	11.1	
88 Isopropylbenzene	105	8.261	8.261	0.0	95	1703886	9.64	
89 Cyclohexanone	55	8.344	8.344	0.0	93	177110	65.4	
91 Bromobenzene	156	8.534	8.534	0.0	80	472725	9.62	
90 1,1,2,2-Tetrachloroethane	83	8.546	8.546	0.0	83	376758	9.82	
92 1,2,3-Trichloropropane	110	8.581	8.582	-0.001	81	136815	10.5	
93 trans-1,4-Dichloro-2-butene	53	8.605	8.605	0.0	59	106165	19.2	
94 N-Propylbenzene	120	8.652	8.653	-0.001	96	445768	9.51	
95 2-Chlorotoluene	126	8.724	8.724	0.0	96	422325	9.39	
96 1,3,5-Trimethylbenzene	105	8.818	8.819	-0.001	89	1381327	9.43	
104 4-Chlorotoluene	91	8.830	8.831	-0.001	99	1383567	9.51	
97 tert-Butylbenzene	119	9.127	9.127	0.0	90	1108928	9.55	
98 1,2,4-Trimethylbenzene	105	9.174	9.174	0.0	97	1430353	9.44	
99 sec-Butylbenzene	105	9.340	9.340	0.0	93	1466671	9.22	
100 1,3-Dichlorobenzene	146	9.435	9.435	0.0	97	838631	9.34	
101 4-Isopropyltoluene	119	9.494	9.495	-0.001	91	1359130	9.67	
102 1,4-Dichlorobenzene	146	9.530	9.530	0.0	89	848241	9.07	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
103 1,2,3-Trimethylbenzene	105	9.589	9.589	0.0	97	1505087	10.0	
105 n-Butylbenzene	91	9.886	9.886	0.0	96	1086946	8.96	
106 1,2-Dichlorobenzene	146	9.886	9.886	0.0	84	827185	9.19	
107 1,2-Dibromo-3-Chloropropane	157	10.657	10.657	0.0	80	67521	11.2	
109 1,2,4-Trichlorobenzene	180	11.463	11.463	0.0	93	531806	8.40	
110 Hexachlorobutadiene	225	11.641	11.641	0.0	91	244405	7.16	
111 Naphthalene	128	11.700	11.700	0.0	96	1278194	10.1	
112 1,2,3-Trichlorobenzene	180	11.937	11.937	0.0	94	486886	8.49	
S 137 Trihalomethanes, Total	1				0		42.5	
S 11 1,2-Dichloroethene, Total	96				0		18.8	
S 114 Xylenes, Total	106				0		29.0	

Report Date: 03-May-2012 15:16:36

Chrom Revision: 2.0 08-Feb-2012 11:07:54

Data File: \\Ncchrom\ChromData\A3UX15\20120503-9636.b\UXC3251.D

Injection Date: 03-May-2012 12:25:30

Limit Group: MSV 8260B ICAL

Client ID:

Instrument ID: A3UX15

Lims Batch ID: 42620

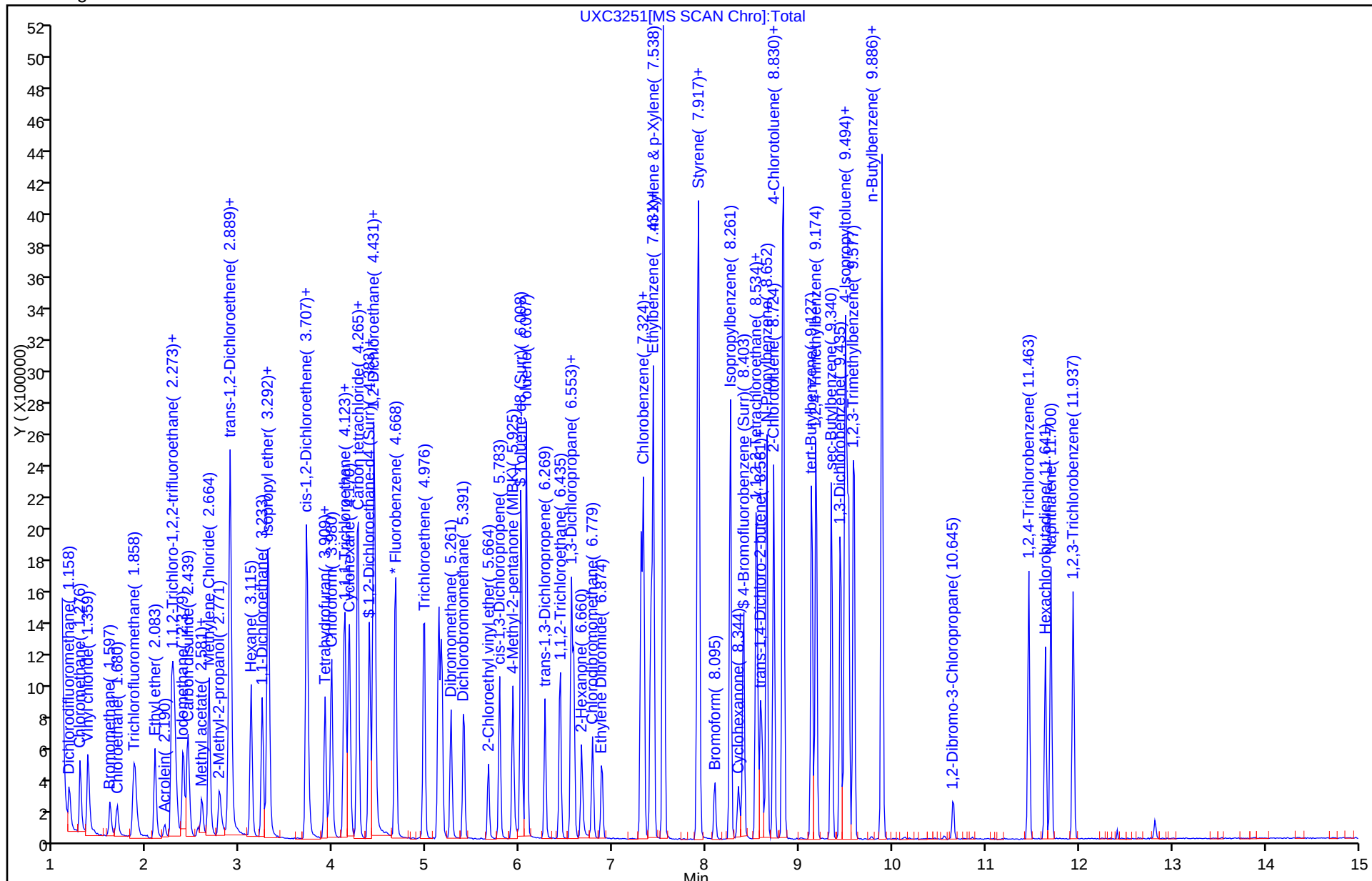
Lims Sample ID: 4

Operator ID: 43582

Column Type: DB-624

Column Dia: 0.18 mm

Y Scaling:



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-10641-1

SDG No.: _____

Instrument ID: A3UX15 Start Date: 04/29/2012 09:08Analysis Batch Number: 42081 End Date: 04/29/2012 15:55

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-42081/1		04/29/2012 09:08	1	BFB951.D	DB-624 0.18 (mm)
STD8260 240-42081/2 IC		04/29/2012 11:24	1	UXC3076.D	DB-624 0.18 (mm)
STD8260 240-42081/3 IC		04/29/2012 11:47	1	UXC3077.D	DB-624 0.18 (mm)
STD8260 240-42081/4 ICIS		04/29/2012 12:09	1	UXC3078.D	DB-624 0.18 (mm)
STD8260 240-42081/5 IC		04/29/2012 12:32	1	UXC3079.D	DB-624 0.18 (mm)
STD8260 240-42081/6 IC		04/29/2012 12:54	1	UXC3080.D	DB-624 0.18 (mm)
STD8260 240-42081/7 IC		04/29/2012 13:17	1	UXC3081.D	DB-624 0.18 (mm)
STD6 240-42081/8 IC		04/29/2012 13:40	1		DB-624 0.18 (mm)
STD5 240-42081/9 IC		04/29/2012 14:02	1		DB-624 0.18 (mm)
STD4 240-42081/10 IC		04/29/2012 14:25	1		DB-624 0.18 (mm)
STD3 240-42081/11 IC		04/29/2012 14:48	1		DB-624 0.18 (mm)
STD2 240-42081/12 IC		04/29/2012 15:10	1		DB-624 0.18 (mm)
STD1 240-42081/13 IC		04/29/2012 15:33	1		DB-624 0.18 (mm)
ICV 240-42081/14		04/29/2012 15:55	1	UXC3088.D	DB-624 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-10641-1

SDG No.: _____

Instrument ID: A3UX15 Start Date: 05/03/2012 09:29Analysis Batch Number: 42620 End Date: 05/03/2012 21:10

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-42620/1		05/03/2012 09:29	1	BFB955.D	DB-624 0.18 (mm)
CCVIS 240-42620/2		05/03/2012 11:39	1	UXC3249.D	DB-624 0.18 (mm)
CCV 240-42620/3		05/03/2012 12:02	1	UXC3250.D	DB-624 0.18 (mm)
LCS 240-42620/4		05/03/2012 12:25	1	UXC3251.D	DB-624 0.18 (mm)
MB 240-42620/5		05/03/2012 13:34	1	UXC3254.D	DB-624 0.18 (mm)
ZZZZZ		05/03/2012 13:57	20		DB-624 0.18 (mm)
240-10641-2	TB-012607-042512-SK	05/03/2012 14:20	1	UXC3256.D	DB-624 0.18 (mm)
240-10641-1	GW-12607-042512-SK-06 1	05/03/2012 14:43	1	UXC3257.D	DB-624 0.18 (mm)
ZZZZZ		05/03/2012 15:05	1		DB-624 0.18 (mm)
ZZZZZ		05/03/2012 15:28	1		DB-624 0.18 (mm)
ZZZZZ		05/03/2012 15:51	200		DB-624 0.18 (mm)
ZZZZZ		05/03/2012 16:14	12.5		DB-624 0.18 (mm)
ZZZZZ		05/03/2012 16:37	76.92		DB-624 0.18 (mm)
ZZZZZ		05/03/2012 17:00	3.33		DB-624 0.18 (mm)
ZZZZZ		05/03/2012 17:23	11.11		DB-624 0.18 (mm)
ZZZZZ		05/03/2012 17:46	11.11		DB-624 0.18 (mm)
ZZZZZ		05/03/2012 18:09	1		DB-624 0.18 (mm)
ZZZZZ		05/03/2012 18:32	1		DB-624 0.18 (mm)
ZZZZZ		05/03/2012 18:55	1		DB-624 0.18 (mm)
ZZZZZ		05/03/2012 19:17	1		DB-624 0.18 (mm)
ZZZZZ		05/03/2012 19:40	1		DB-624 0.18 (mm)
ZZZZZ		05/03/2012 20:03	1		DB-624 0.18 (mm)
ZZZZZ		05/03/2012 20:25	1		DB-624 0.18 (mm)
ZZZZZ		05/03/2012 20:48	1		DB-624 0.18 (mm)
ZZZZZ		05/03/2012 21:10	1		DB-624 0.18 (mm)

Shipping and Receiving Documents



CONESTOGA-ROVERS
& ASSOCIATES

CHAIN OF CUSTODY RECORD

14496 Sheldon Road, Suite #200, Plymouth, Michigan 48170
Phone: (734) 453-5123 Fax: (734) 453-5201

COC NO. **PL-09432**
PAGE 1 OF 1
(See Reverse Side for Instructions)

Project No/Phase/Task Code: 012607/T01Y12/005			Laboratory Name: <u>Test America</u>			Lab Location: <u>N. Canton, O.H.</u>			SSOW ID: <u>012607-T01Y12-005</u>		
Project Name: <u>Eckles Road Site</u>			Lab Contact: <u>D. Heckler</u>			Lab Quote No: <u>---</u>			Cooler No: <u>---</u>		
Project Location: <u>Livonia, M.I.</u>			SAMPLE TYPE			CONTAINER QUANTITY & PRESERVATION			ANALYSIS REQUESTED (See Back of COC for Definitions)		
Chemistry Contact: <u>Paul Wiseman</u>			Unpreserved			Hydrochloric Acid (HCl)			Nitric Acid (HNO ₃)		
Sampler(s): <u>Scott Kippen</u>			Sulfuric Acid (H ₂ SO ₄)			Sodium Hydroxide (NaOH)			Methanol/Water (Soil)		
			VOC			EnCores 3x5-g, 1x25-g			Total Containers/Sample		
			Grab (g) or Comp (c)			Other:			MS/MSD Request		
			Matrix Code								
			(see back of COC)								
			DATE (mm/dd/yyyy)			TIME (hh:mm)					
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TestAmerica North Canton Sample Receipt Form/Narrative

Login # : 10641

Client CRA Site Name Exley Road Site By: S. Mills
Cooler Received on 4-26-12 Opened on 4-26-12 (Signature)
FedEx: 1st Grd Exp UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____
TestAmerica Cooler # 260-008 Foam Box Client Cooler Box Other _____
Packing material used: Bubble Wrap Foam Plastic Bag None Other _____
COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# 1 (CF -2°C) Observed Sample Temp. 4.3 °C Corrected Sample Temp. 2.3 °C
IR GUN# 4G (CF -1°C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C
IR GUN# 5G (CF -1°C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C
IR GUN# 6Y (CF -2°C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C

☐ Multiple
on Back

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity _____

Yes No

-Were custody seals on the outside of the cooler(s) signed & dated?

Yes No NA

-Were custody seals on the bottle(s)?

Yes No

3. Shippers' packing slip attached to the cooler(s)?

Yes No

4. Did custody papers accompany the sample(s)?

Yes No

5. Were the custody papers relinquished & signed in the appropriate place?

Yes No

6. Did all bottles arrive in good condition (Unbroken)?

Yes No

7. Could all bottle labels be reconciled with the COC?

Yes No

8. Were correct bottle(s) used for the test(s) indicated?

Yes No

9. Sufficient quantity received to perform indicated analyses?

Yes No

10. Were sample(s) at the correct pH upon receipt?

Yes No NA

11. Were VOAs on the COC?

Yes No

12. Were air bubbles >6 mm in any VOA vials?

Yes No NA

13. Was a trip blank present in the cooler(s)?

Yes No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other _____
Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in Sample Receiving to meet recommended pH level(s). Nitric Acid Lot# 110410-HNO₃; Sulfuric Acid Lot# 041911-H₂SO₄; Sodium Hydroxide Lot# 121809 - NaOH; Hydrochloric Acid Lot# 041911-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-(CH₃COO)₂ZN/NaOH. What time was preservative added to sample(s)? _____

[illegible]

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 240-10641-1

Login Number: 10641

List Source: TestAmerica Canton

List Number: 1

Creator: Maddux, Ann

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	