

August 4, 2015

Mr. Gary Priscott
NYSDEC Region 7
1679 Route 11
Kirkwood, New York 12885

**Re: Annual Groundwater Monitoring Report
Former Ithaca Gun Factory - Offsite
121 – 125 Lake Street, Ithaca, Tompkins County, New York
NYSDEC Site No. C755019A**

Dear Mr. Priscott:

Aztech Technologies, Inc. (Aztech) has prepared the following correspondence that summarizes the annual 2014 groundwater sampling event performed at the above referenced site. Groundwater monitoring conditions appear to be consistent with the previous monitoring event conducted in November 2013.

If you have any questions regarding the information contained herein, please contact Aztech at (518) 885-5383.

Sincerely,



for:
Thomas Giamichael
Project Manager



William Toran
Sr. Hydrogeologist

Enclosure

Cc: File



Annual 2015 Site Status Report

For

Former Ithaca Gun Factory - Offsite

121 – 125 Lake Street
Ithaca, Tompkins County, New York

NYSDEC Site No. C755019A

August 4, 2015

Prepared for:
NYSDEC - Region 7
Mr. Gary Priscott

**REMEDIAL
SOLUTIONS**

**ENVIRONMENTAL
CONSULTING**

**DRILLING
APPLICATIONS**

5 McCrea Hill Road
Ballston Spa, NY 12020
p 518.885.5383
f 518.885.5385

aztechtech.com

REPORT DATE: August 4, 2015

REPORT NAME: Annual 2014 Site Status Report

SUBJECT SITE: Former Ithaca Gun Factory - Offsite
121 – 125 Lake Street, Ithaca, Tompkins County, NY
NYSDEC Site No. C755019A

SITE PHASE: Groundwater Monitoring and Sampling

SITE DESCRIPTION

The site was the location of the former Ithaca Gun Factory and was in operation from approximately 1883 to 1987. Fall creek is located directly to the north and adjacent to the former site structures. The creek was utilized as a major source of energy at the site. The site property has since been abandoned and the majority of the former site structures have been demolished and removed. Only the historic smokestack remains partially intact on the property. As a result of the factory's years of operation, the site became known as a major source of environmental pollution which included lead and solvents. An extensive superfund remediation effort has been conducted at the site by the New York State Department of Environmental Conservation (NYSDEC) and others. As of 2013, remediation efforts onsite were still being conducted. In July 2013 the NYSDEC contracted Aztech to conduct a subsurface investigation and site characterization of offsite properties located topographically downgradient from the site. Details of the offsite work conducted by Aztech are documented in the Site Characterization Report, February 2014.

DESCRIPTION OF FIELD WORK

- June 19 and 20, 2014: Conducted annual groundwater gauging and sampling at ten (10) monitoring wells.

PROCEDURES

- Depth to groundwater measurements were collected on June 19, 2014 using an electronic water level meter graduated in 0.01 foot intervals. Groundwater measurements were taken from the top of monitoring well casings.
- Each sampled monitoring well was purged using low flow sampling techniques which included dedicated sample tubing and peristaltic pump. Groundwater field parameters including turbidity, dissolved oxygen, pH, temperature, conductivity and oxygen reducing

potential were monitored with a Horiba U-52 equipped with a flow through cell. All groundwater parameters were allowed to stabilize prior to sample collection.

- Groundwater samples were preserved with dilute hydrochloric acid, placed on ice in a cooler, and transported under proper chain of custody to the laboratory.
- The groundwater samples were analyzed within the applicable holding times for the NYSDEC full list of volatile organic compounds (VOCs) and ethanol using United States Environmental Protection Agency (USEPA) Method 8260C.

ANALYTICAL LABORATORY

TestAmerica – 10 Hazelwood Drive, Amherst, NY 14228

New York Certification No. ORELAP NY200003

RESULTS

- Monitoring wells AZMW-1, AZMW-2, AZMW-3, AZMW-4, AZMW-5, AZMW-6, AZMW-7, AZMW-8, MW-6, and MW-7 were gauged on June 19, 2014. All groundwater elevation data is presented on **Table 1**. The groundwater flow direction on this date was to the west-southwest (**Figure 1**).
- The results of the groundwater sampling event are shown on **Table 2**. The groundwater VOC distribution map is shown as **Figure 2**. During the June 19 and 20, 2014 groundwater sampling event two (2) VOC constituents, Trichloroethene (TCE) and Chloroform, were identified in groundwater samples collected. TCE was detected in monitoring wells AZMW-3, AZMW-4, AZMW-6, AZMW7, and MW-7. Concentrations of TCE ranged between 3.2 µg/l and 1.4 µg/l and were below the NYS Groundwater Quality Standard (GQS) of 5 µg/l in all wells sampled on June 19 and 20, 2014. Chloroform was detected in monitoring wells AZMW-1, AZMW-3, AZMW-4, AZMW-5, AZMW-6, AZMW-7, AZMW-8, and MW-7. Concentrations of Chloroform ranged between 5.0 µg/l and 0.45 µg/l and were below the NYS GQS of 7.0 µg/l in all wells sampled on June 19 and 20, 2014. No VOC constituents were detected in monitoring wells AZMW-2 and MW-6. The laboratory analysis report is attached.

Data Usability Summary Report (DUSR)

ZData Reports validation service of Syracuse, New York validated the analytical data package submitted to Aztech by Test America of Amherst, New York. Analytical data packages are submitted as sample delivery groups (SDGs) based on the number of samples within each shipment received at the laboratory for analysis. The SDG associated with this groundwater sampling event was reviewed for completeness and compliance as defined by the requirements for NYSDEC Analytical Services Protocol Category B deliverables.

Data validation was completed for thirteen (13) groundwater samples. USEPA Method 8260C volatile organic analyses data were determined to be usable for qualitative and quantitative purposes. Further, the completeness of the data was determined to be 100 percent. Refer to the attached DUSR report for further details.

SUMMARY & CONCLUSION

- The groundwater flow direction beneath the site was to the west-southwest on June 19, 2014.
- TCE was detected in five (5) monitoring wells and was below the NYS GQS in all wells sampled on June 19 and 20, 2014. These concentrations of TCE are consistent with the previous groundwater monitoring event conducted in November 2013.
- Chloroform was detected in eight (8) monitoring wells and was below the NYS GQS in all wells sampled on June 19 and 20, 2014. These concentrations of chloroform are consistent with the previous groundwater monitoring event conducted in November 2013.
- No VOCs were detected in monitoring wells AZMW-2 and MW-6 on June 19 and 20, 2014.

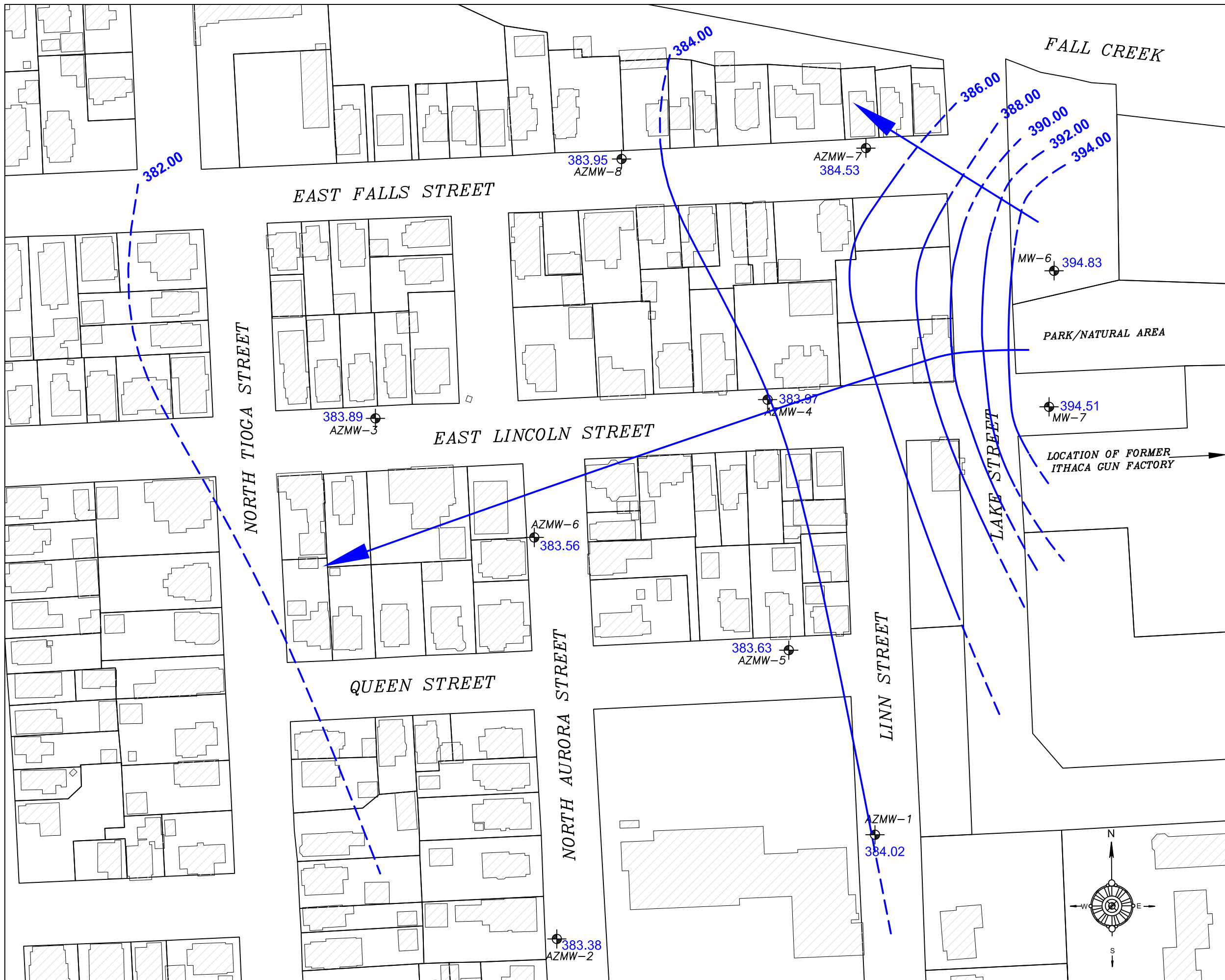
ATTACHMENTS

Figures

Tables

Laboratory Analytical Reports

DUSR Report



LEGEND

- MW-7 Monitoring Well
- Calculated Isopleth
- Inferred Isopleth
- 394.51 Water Table Elevation (MSL)
- Generalized Direction of Groundwater Flow

Former Ithaca Gun Factory - Offsite

NYSDEC Site #C755019A
Ithaca, New York

Figure 1

DATE: June 19, 2014 Scale 1" = 100'

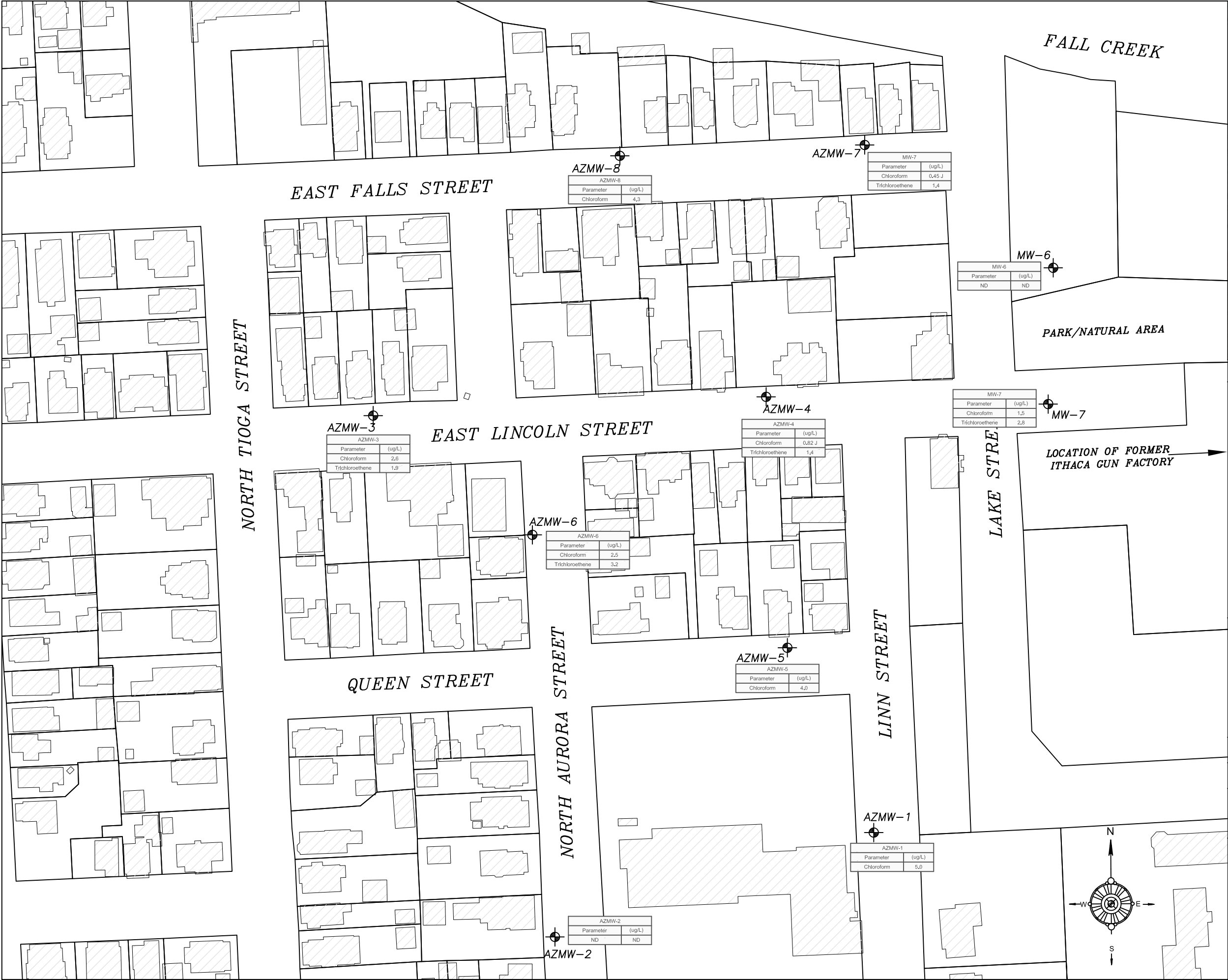
GROUNDWATER COUNTOUR
MAP



Aztech
Technologies, Inc.

5 McCreia Hill Road
Ballston Spa
New York 12020

Phone: 518-885-5383
Fax: 518-885-5385
www.aztechtech.com



LEGEND

MW-7 Monitoring Well

Former Ithaca Gun Factory - Offsite

NYSDEC Site #C755019A
Ithaca, New York

Figure 2

DATE: June 19, 2014 Scale 1" = 100'

GROUNDWATER VOC DISTRIBUTION MAP

5 McCrea Hill Road
Ballston Spa
New York 12020

Phone: 518-885-5383
Fax: 518-885-5385
www.aztechtech.com

TABLE 2
GROUNDWATER ANALYTICAL RESULTS -
 Volatile Organic Compounds
 Former Ithaca Gun Factory - (Offsite)
 Ithaca, New York
 DEC Site No. C755019A

COMPOUNDS LIST		TOGS Guidance/Standard	GROUNDWATER SAMPLES									
Sample ID			AZMW-1	AZMW-2	AZMW-3	AZMW-4	AZMW-5	AZMW-6	AZMW-7	AZMW-8	MW-6	MW-7
Date Sampled			19-Jun-14	20-Jun-14	20-Jun-14	19-Jun-14	19-Jun-14	20-Jun-14	19-Jun-20	19-Jun-20	20-Jun-14	20-Jun-14
8260 Full LIST		ppb - (µg/L)	VOC Analytical Results (ppb)									
1,1,1-Trichloroethane	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	10		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	4.7		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	4.7		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	50		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	50		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	50		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1.0		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	50		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	50		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	50		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	50		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	5.0	ND	ND	2.6	0.82 J	4.0	2.5	0.45 J	3.5	ND	1.5
Chloromethane	50		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	50		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl acetate	50		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MtBE	10		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	50		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5		ND	ND	1.9	1.4	ND	3.2	1.4	ND	ND	2.8
Trichlorofluoromethane	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
			TOTAL CONCENTRATIONS (ppb)									
BTEX	-		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL VOCs	-		5.0	ND	4.5	2.2	4.0	5.7	1.85	3.5	ND	4.3
Notes:												
MtBE: Methyl tertiary-Butyl Ether												
BOLD values indicate exceedance of applicable NYSDEC guidance values												
ND: Not Detected Above Applicable Laboratory Detection Limits												
TOGS: Technical and Operational Guidance Series												
TOGS Standards and Guidance are determined by the NYSDEC Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, Technical and Operational Guidance Series, June 1998												
All values are reported in parts per billion (ppb or µg/L)												
J - Laboratory Qualifier (Result is less than the reporting limit, but greater than the method detection limit and the concentration is an approximate value)												

ANALYTICAL REPORT

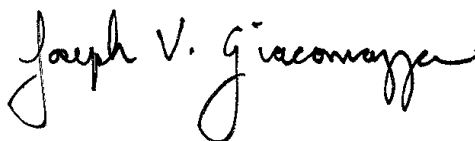
Job Number: 480-62519-1

Job Description: Former Ithaca Gun Factory #C755019A

For:

New York State D.E.C.
615 Erie Blvd., West
Syracuse, NY 13204

Attention: Gary Priscott



Approved for release.
Joe V Giacomazza
Project Management Assistant II
7/18/2014 8:46 AM

Designee for
Judy L Stone, Senior Project Manager
10 Hazelwood Drive, Amherst, NY, 14228-2298
(484)685-0868
judy.stone@testamericainc.com
07/18/2014
Revision: 1

cc: Karen Carling
Bill Toran

The test results in this report meet all NELAP requirements for analytes 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. All questions regarding this test report should be directed to the TestAmerica Project Manager who has signed this report. TestAmerica Buffalo NELAC Certifications: CADPH 01169CA, FLDOH E87672, ILEPA 200003, KSDOH E-10187, LADEQ 30708, MDH 036-999-337, NHELAP 2973, NJDEP NY455, NHDOH 10026, ORELAP NY200003, PADEP 68-00281, TXCEQ T-104704412-10-1

TestAmerica Laboratories, Inc.

TestAmerica Buffalo 10 Hazelwood Drive, Amherst, NY 14228-2298

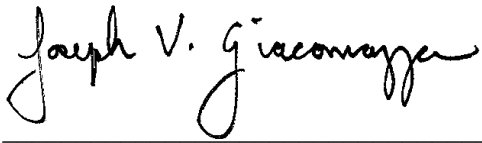
Tel (716) 691-2600 Fax (716) 691-7991 www.testamericainc.com



Job Number: 480-62519-1

Job Description: Former Ithaca Gun Factory #C755019A

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Approved for release.
Joe V Giacomazza
Project Management Assistant II
7/18/2014 8:46 AM

Designee for
Judy L Stone

Table of Contents

Cover Title Page	1
Data Summaries	5
Report Narrative	5
Sample Summary	6
Executive Summary	7
Method Summary	8
Method / Analyst Summary	9
Sample Datasheets	10
Surrogate Summary	49
QC Data Summary	50
Data Qualifiers	58
QC Association Summary	59
Lab Chronicle	60
Organic Sample Data	63
GC/MS VOA	63
Method 8260C	63
Method 8260C QC Summary	64
Method 8260C Sample Data	77
Standards Data	178
Method 8260C ICAL Data	178
Method 8260C CCAL Data	229
Raw QC Data	244
Method 8260C Tune Data	244
Method 8260C Blank Data	253
Method 8260C LCS/LCSD Data	269
Method 8260C MS/MSD Data	281

Table of Contents

Method 8260C Run Logs	291
Method 8260C Prep Data	294
Shipping and Receiving Documents	298
Client Chain of Custody	299
Sample Receipt Checklist	301

Job Narrative
480-62519-1

Revision I

Report was revised to include second page of the COC.

Receipt

The samples were received on 6/24/2014 1:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.2° C.

GC/MS VOA

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 190745 recovered above the upper control limit for Bromomethane. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following samples are impacted: (CCVIS 480-190745/3).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 190745 recovered outside acceptance criteria, low biased, for 1,1,2-trichloro-1,2,2-trifluoroethane; 1,2-Dibromo-3-Chloropropane; Bromoform; Carbon Tetrachloride, Cyclohexane, Dichlorodifluoromethane, Methylcyclohexane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 190934 recovered outside acceptance criteria, low biased, for Several Analytes. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

Method(s) 8260C: The large number of analytes included in the continuing calibration verification (CCV) in batch 190934 gives a high probability that one or more analytes will be outside acceptance criteria. As indicated in the reference method, analysis may proceed as long as no more than 20% of the analytes are outside the method-defined %D criteria.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

SAMPLE SUMMARY

Client: New York State D.E.C.

Job Number: 480-62519-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-62519-1	DUP1	Water	06/19/2014 1650	06/24/2014 0100
480-62519-2	DUP2	Water	06/20/2014 1115	06/24/2014 0100
480-62519-3	tripblank	Water	06/20/2014 0000	06/24/2014 0100
480-62519-4	AZMW-7	Water	06/19/2014 1615	06/24/2014 0100
480-62519-5	AZMW-8	Water	06/19/2014 1645	06/24/2014 0100
480-62519-6	AZMW-3	Water	06/20/2014 0900	06/24/2014 0100
480-62519-7	AZMW-4	Water	06/19/2014 1815	06/24/2014 0100
480-62519-8	AZMW-5	Water	06/19/2014 1730	06/24/2014 0100
480-62519-9	AZMW-1	Water	06/19/2014 1230	06/24/2014 0100
480-62519-10	AZMW-2	Water	06/20/2014 1110	06/24/2014 0100
480-62519-11	AZMW-6	Water	06/20/2014 1235	06/24/2014 0100
480-62519-11MS	AZMW-6	Water	06/20/2014 1230	06/24/2014 0100
480-62519-11MSD	AZMW-6	Water	06/20/2014 1232	06/24/2014 0100
480-62519-12	MW-6	Water	06/20/2014 1350	06/24/2014 0100
480-62519-13	MW-7	Water	06/20/2014 1215	06/24/2014 0100

EXECUTIVE SUMMARY - Detections

Client: New York State D.E.C.

Job Number: 480-62519-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-62519-1 Chloroform	DUP1	4.1		1.0	ug/L	8260C
480-62519-4 Chloroform	AZMW-7	0.45	J	1.0	ug/L	8260C
Trichloroethene		1.4		1.0	ug/L	8260C
480-62519-5 Chloroform	AZMW-8	3.5		1.0	ug/L	8260C
480-62519-6 Chloroform	AZMW-3	2.6		1.0	ug/L	8260C
Trichloroethene		1.9		1.0	ug/L	8260C
480-62519-7 Chloroform	AZMW-4	0.82	J	1.0	ug/L	8260C
Trichloroethene		1.4		1.0	ug/L	8260C
480-62519-8 Chloroform	AZMW-5	4.0		1.0	ug/L	8260C
480-62519-9 Chloroform	AZMW-1	5.0		1.0	ug/L	8260C
480-62519-11 Chloroform	AZMW-6	2.5		1.0	ug/L	8260C
Trichloroethene		3.2		1.0	ug/L	8260C
480-62519-13 Chloroform	MW-7	1.5		1.0	ug/L	8260C
Trichloroethene		2.8		1.0	ug/L	8260C

METHOD SUMMARY

Client: New York State D.E.C.

Job Number: 480-62519-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds by GC/MS	TAL BUF	SW846 8260C	
Purge and Trap	TAL BUF		SW846 5030C

Lab References:

TAL BUF = TestAmerica Buffalo

Method References:

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

METHOD / ANALYST SUMMARY

Client: New York State D.E.C.

Job Number: 480-62519-1

Method	Analyst	Analyst ID
SW846 8260C	Goliszek, Gregory T	GTG
SW846 8260C	Nguyen-Dudziak, Nhu Quynh	NQN

Analytical Data

Client: New York State D.E.C.

Job Number: 480-62519-1

Client Sample ID: DUP1

Lab Sample ID: 480-62519-1

Date Sampled: 06/19/2014 1650

Client Matrix: Water

Date Received: 06/24/2014 0100

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-190745	Instrument ID:	HP5973G
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	G31966.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/01/2014 1817			Final Weight/Volume:	5 mL
Prep Date:	07/01/2014 1817				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	4.1		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	2.5
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Analytical Data

Client: New York State D.E.C.

Job Number: 480-62519-1

Client Sample ID: DUP1

Lab Sample ID: 480-62519-1

Date Sampled: 06/19/2014 1650

Client Matrix: Water

Date Received: 06/24/2014 0100

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-190745	Instrument ID:	HP5973G
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	G31966.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/01/2014 1817			Final Weight/Volume:	5 mL
Prep Date:	07/01/2014 1817				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	117		66 - 137
Toluene-d8 (Surr)	110		71 - 126
4-Bromofluorobenzene (Surr)	112		73 - 120
Dibromofluoromethane (Surr)	111		60 - 140

Analytical Data

Client: New York State D.E.C.

Job Number: 480-62519-1

Client Sample ID: DUP1

Lab Sample ID: 480-62519-1

Client Matrix: Water

Date Sampled: 06/19/2014 1650

Date Received: 06/24/2014 0100

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 480-190745

Instrument ID: HP5973G

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: G31966.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Analysis Date: 07/01/2014 1817

Final Weight/Volume: 5 mL

Prep Date: 07/01/2014 1817

Tentatively Identified Compounds**Number TIC's Found: 0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Analytical Data

Client: New York State D.E.C.

Job Number: 480-62519-1

Client Sample ID: DUP2

Lab Sample ID: 480-62519-2

Date Sampled: 06/20/2014 1115

Client Matrix: Water

Date Received: 06/24/2014 0100

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-190745	Instrument ID:	HP5973G
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	G31967.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/01/2014 1840			Final Weight/Volume:	5 mL
Prep Date:	07/01/2014 1840				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	2.5
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Analytical Data

Client: New York State D.E.C.

Job Number: 480-62519-1

Client Sample ID: DUP2

Lab Sample ID: 480-62519-2

Date Sampled: 06/20/2014 1115

Client Matrix: Water

Date Received: 06/24/2014 0100

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-190745	Instrument ID:	HP5973G
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	G31967.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/01/2014 1840			Final Weight/Volume:	5 mL
Prep Date:	07/01/2014 1840				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		66 - 137
Toluene-d8 (Surr)	94		71 - 126
4-Bromofluorobenzene (Surr)	96		73 - 120
Dibromofluoromethane (Surr)	96		60 - 140

Analytical Data

Client: New York State D.E.C.

Job Number: 480-62519-1

Client Sample ID: DUP2

Lab Sample ID: 480-62519-2

Date Sampled: 06/20/2014 1115

Client Matrix: Water

Date Received: 06/24/2014 0100

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 480-190745

Instrument ID: HP5973G

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: G31967.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Analysis Date: 07/01/2014 1840

Final Weight/Volume: 5 mL

Prep Date: 07/01/2014 1840

Tentatively Identified Compounds**Number TIC's Found: 0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Analytical Data

Client: New York State D.E.C.

Job Number: 480-62519-1

Client Sample ID: tripblank

Lab Sample ID: 480-62519-3

Date Sampled: 06/20/2014 0000

Client Matrix: Water

Date Received: 06/24/2014 0100

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-190745	Instrument ID:	HP5973G
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	G31968.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/01/2014 1903			Final Weight/Volume:	5 mL
Prep Date:	07/01/2014 1903				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	2.5
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Analytical Data

Client: New York State D.E.C.

Job Number: 480-62519-1

Client Sample ID: tripblank

Lab Sample ID: 480-62519-3

Date Sampled: 06/20/2014 0000

Client Matrix: Water

Date Received: 06/24/2014 0100

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-190745	Instrument ID:	HP5973G
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	G31968.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/01/2014 1903			Final Weight/Volume:	5 mL
Prep Date:	07/01/2014 1903				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101		66 - 137
Toluene-d8 (Surr)	96		71 - 126
4-Bromofluorobenzene (Surr)	101		73 - 120
Dibromofluoromethane (Surr)	97		60 - 140

Analytical Data

Client: New York State D.E.C.

Job Number: 480-62519-1

Client Sample ID: tripblank

Lab Sample ID: 480-62519-3

Date Sampled: 06/20/2014 0000

Client Matrix: Water

Date Received: 06/24/2014 0100

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 480-190745

Instrument ID: HP5973G

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: G31968.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Analysis Date: 07/01/2014 1903

Final Weight/Volume: 5 mL

Prep Date: 07/01/2014 1903

Tentatively Identified Compounds

Number TIC's Found: 0

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Analytical Data

Client: New York State D.E.C.

Job Number: 480-62519-1

Client Sample ID: AZMW-7

Lab Sample ID: 480-62519-4

Client Matrix: Water

Date Sampled: 06/19/2014 1615

Date Received: 06/24/2014 0100

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-190745	Instrument ID:	HP5973G
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	G31969.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/01/2014 1926			Final Weight/Volume:	5 mL
Prep Date:	07/01/2014 1926				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	0.45	J	0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	2.5
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	1.4		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Analytical Data

Client: New York State D.E.C.

Job Number: 480-62519-1

Client Sample ID: AZMW-7

Lab Sample ID: 480-62519-4

Client Matrix: Water

Date Sampled: 06/19/2014 1615

Date Received: 06/24/2014 0100

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-190745	Instrument ID:	HP5973G
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	G31969.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/01/2014 1926			Final Weight/Volume:	5 mL
Prep Date:	07/01/2014 1926				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		66 - 137
Toluene-d8 (Surr)	92		71 - 126
4-Bromofluorobenzene (Surr)	97		73 - 120
Dibromofluoromethane (Surr)	94		60 - 140

Analytical Data

Client: New York State D.E.C.

Job Number: 480-62519-1

Client Sample ID: AZMW-7

Lab Sample ID: 480-62519-4

Date Sampled: 06/19/2014 1615

Client Matrix: Water

Date Received: 06/24/2014 0100

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 480-190745

Instrument ID: HP5973G

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: G31969.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Analysis Date: 07/01/2014 1926

Final Weight/Volume: 5 mL

Prep Date: 07/01/2014 1926

Tentatively Identified Compounds**Number TIC's Found: 0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Analytical Data

Client: New York State D.E.C.

Job Number: 480-62519-1

Client Sample ID: AZMW-8

Lab Sample ID: 480-62519-5

Client Matrix: Water

Date Sampled: 06/19/2014 1645

Date Received: 06/24/2014 0100

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-190745	Instrument ID:	HP5973G
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	G31970.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/01/2014 1949			Final Weight/Volume:	5 mL
Prep Date:	07/01/2014 1949				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	3.5		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	2.5
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Analytical Data

Client: New York State D.E.C.

Job Number: 480-62519-1

Client Sample ID: AZMW-8

Lab Sample ID: 480-62519-5

Client Matrix: Water

Date Sampled: 06/19/2014 1645

Date Received: 06/24/2014 0100

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-190745	Instrument ID:	HP5973G
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	G31970.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/01/2014 1949			Final Weight/Volume:	5 mL
Prep Date:	07/01/2014 1949				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		66 - 137
Toluene-d8 (Surr)	96		71 - 126
4-Bromofluorobenzene (Surr)	98		73 - 120
Dibromofluoromethane (Surr)	96		60 - 140

Analytical Data

Client: New York State D.E.C.

Job Number: 480-62519-1

Client Sample ID: AZMW-8

Lab Sample ID: 480-62519-5

Client Matrix: Water

Date Sampled: 06/19/2014 1645

Date Received: 06/24/2014 0100

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 480-190745

Instrument ID: HP5973G

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: G31970.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Analysis Date: 07/01/2014 1949

Final Weight/Volume: 5 mL

Prep Date: 07/01/2014 1949

Tentatively Identified Compounds

Number TIC's Found: 1

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	
67-63-0	Isopropyl alcohol	3.13	45	

Analytical Data

Client: New York State D.E.C.

Job Number: 480-62519-1

Client Sample ID: AZMW-3

Lab Sample ID: 480-62519-6

Client Matrix: Water

Date Sampled: 06/20/2014 0900

Date Received: 06/24/2014 0100

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-190745	Instrument ID:	HP5973G
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	G31971.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/01/2014 2012			Final Weight/Volume:	5 mL
Prep Date:	07/01/2014 2012				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	2.6		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	2.5
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	1.9		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Analytical Data

Client: New York State D.E.C.

Job Number: 480-62519-1

Client Sample ID: AZMW-3

Lab Sample ID: 480-62519-6

Date Sampled: 06/20/2014 0900

Client Matrix: Water

Date Received: 06/24/2014 0100

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-190745	Instrument ID:	HP5973G
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	G31971.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/01/2014 2012			Final Weight/Volume:	5 mL
Prep Date:	07/01/2014 2012				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		66 - 137
Toluene-d8 (Surr)	95		71 - 126
4-Bromofluorobenzene (Surr)	97		73 - 120
Dibromofluoromethane (Surr)	94		60 - 140

Analytical Data

Client: New York State D.E.C.

Job Number: 480-62519-1

Client Sample ID: AZMW-3

Lab Sample ID: 480-62519-6

Client Matrix: Water

Date Sampled: 06/20/2014 0900

Date Received: 06/24/2014 0100

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 480-190745

Instrument ID: HP5973G

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: G31971.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Analysis Date: 07/01/2014 2012

Final Weight/Volume: 5 mL

Prep Date: 07/01/2014 2012

Tentatively Identified Compounds**Number TIC's Found: 0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Analytical Data

Client: New York State D.E.C.

Job Number: 480-62519-1

Client Sample ID: AZMW-4

Lab Sample ID: 480-62519-7

Client Matrix: Water

Date Sampled: 06/19/2014 1815

Date Received: 06/24/2014 0100

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-190745	Instrument ID:	HP5973G
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	G31972.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/01/2014 2035			Final Weight/Volume:	5 mL
Prep Date:	07/01/2014 2035				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	0.82	J	0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	2.5
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	1.4		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Analytical Data

Client: New York State D.E.C.

Job Number: 480-62519-1

Client Sample ID: AZMW-4

Lab Sample ID: 480-62519-7

Client Matrix: Water

Date Sampled: 06/19/2014 1815

Date Received: 06/24/2014 0100

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-190745	Instrument ID:	HP5973G
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	G31972.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/01/2014 2035			Final Weight/Volume:	5 mL
Prep Date:	07/01/2014 2035				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101		66 - 137
Toluene-d8 (Surr)	96		71 - 126
4-Bromofluorobenzene (Surr)	97		73 - 120
Dibromofluoromethane (Surr)	96		60 - 140

Analytical Data

Client: New York State D.E.C.

Job Number: 480-62519-1

Client Sample ID: AZMW-4

Lab Sample ID: 480-62519-7

Client Matrix: Water

Date Sampled: 06/19/2014 1815

Date Received: 06/24/2014 0100

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 480-190745

Instrument ID: HP5973G

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: G31972.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Analysis Date: 07/01/2014 2035

Final Weight/Volume: 5 mL

Prep Date: 07/01/2014 2035

Tentatively Identified Compounds

Number TIC's Found: 0

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Analytical Data

Client: New York State D.E.C.

Job Number: 480-62519-1

Client Sample ID: AZMW-5

Lab Sample ID: 480-62519-8

Client Matrix: Water

Date Sampled: 06/19/2014 1730

Date Received: 06/24/2014 0100

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-190745	Instrument ID:	HP5973G
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	G31973.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/01/2014 2057			Final Weight/Volume:	5 mL
Prep Date:	07/01/2014 2057				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	4.0		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	2.5
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Analytical Data

Client: New York State D.E.C.

Job Number: 480-62519-1

Client Sample ID: AZMW-5

Lab Sample ID: 480-62519-8

Client Matrix: Water

Date Sampled: 06/19/2014 1730

Date Received: 06/24/2014 0100

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-190745	Instrument ID:	HP5973G
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	G31973.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/01/2014 2057			Final Weight/Volume:	5 mL
Prep Date:	07/01/2014 2057				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		66 - 137
Toluene-d8 (Surr)	96		71 - 126
4-Bromofluorobenzene (Surr)	97		73 - 120
Dibromofluoromethane (Surr)	97		60 - 140

Analytical Data

Client: New York State D.E.C.

Job Number: 480-62519-1

Client Sample ID: AZMW-5

Lab Sample ID: 480-62519-8

Client Matrix: Water

Date Sampled: 06/19/2014 1730

Date Received: 06/24/2014 0100

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 480-190745

Instrument ID: HP5973G

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: G31973.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Analysis Date: 07/01/2014 2057

Final Weight/Volume: 5 mL

Prep Date: 07/01/2014 2057

Tentatively Identified Compounds**Number TIC's Found: 0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Analytical Data

Client: New York State D.E.C.

Job Number: 480-62519-1

Client Sample ID: AZMW-1

Lab Sample ID: 480-62519-9

Date Sampled: 06/19/2014 1230

Client Matrix: Water

Date Received: 06/24/2014 0100

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-190745	Instrument ID:	HP5973G
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	G31974.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/01/2014 2120			Final Weight/Volume:	5 mL
Prep Date:	07/01/2014 2120				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	5.0		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	2.5
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Analytical Data

Client: New York State D.E.C.

Job Number: 480-62519-1

Client Sample ID: AZMW-1

Lab Sample ID: 480-62519-9

Date Sampled: 06/19/2014 1230

Client Matrix: Water

Date Received: 06/24/2014 0100

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-190745	Instrument ID:	HP5973G
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	G31974.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/01/2014 2120			Final Weight/Volume:	5 mL
Prep Date:	07/01/2014 2120				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		66 - 137
Toluene-d8 (Surr)	97		71 - 126
4-Bromofluorobenzene (Surr)	98		73 - 120
Dibromofluoromethane (Surr)	98		60 - 140

Analytical Data

Client: New York State D.E.C.

Job Number: 480-62519-1

Client Sample ID: AZMW-1

Lab Sample ID: 480-62519-9

Date Sampled: 06/19/2014 1230

Client Matrix: Water

Date Received: 06/24/2014 0100

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 480-190745

Instrument ID: HP5973G

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: G31974.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Analysis Date: 07/01/2014 2120

Final Weight/Volume: 5 mL

Prep Date: 07/01/2014 2120

Tentatively Identified Compounds**Number TIC's Found: 0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Analytical Data

Client: New York State D.E.C.

Job Number: 480-62519-1

Client Sample ID: AZMW-2

Lab Sample ID: 480-62519-10

Date Sampled: 06/20/2014 1110

Client Matrix: Water

Date Received: 06/24/2014 0100

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-190745	Instrument ID:	HP5973G
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	G31975.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/01/2014 2143			Final Weight/Volume:	5 mL
Prep Date:	07/01/2014 2143				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	2.5
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Analytical Data

Client: New York State D.E.C.

Job Number: 480-62519-1

Client Sample ID: AZMW-2

Lab Sample ID: 480-62519-10

Date Sampled: 06/20/2014 1110

Client Matrix: Water

Date Received: 06/24/2014 0100

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-190745	Instrument ID:	HP5973G
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	G31975.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/01/2014 2143			Final Weight/Volume:	5 mL
Prep Date:	07/01/2014 2143				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101		66 - 137
Toluene-d8 (Surr)	94		71 - 126
4-Bromofluorobenzene (Surr)	95		73 - 120
Dibromofluoromethane (Surr)	98		60 - 140

Analytical Data

Client: New York State D.E.C.

Job Number: 480-62519-1

Client Sample ID: AZMW-2

Lab Sample ID: 480-62519-10

Date Sampled: 06/20/2014 1110

Client Matrix: Water

Date Received: 06/24/2014 0100

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 480-190745

Instrument ID: HP5973G

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: G31975.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Analysis Date: 07/01/2014 2143

Final Weight/Volume: 5 mL

Prep Date: 07/01/2014 2143

Tentatively Identified Compounds**Number TIC's Found: 0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Analytical Data

Client: New York State D.E.C.

Job Number: 480-62519-1

Client Sample ID: AZMW-6

Lab Sample ID: 480-62519-11

Client Matrix: Water

Date Sampled: 06/20/2014 1235

Date Received: 06/24/2014 0100

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-190745	Instrument ID:	HP5973G
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	G31976.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/01/2014 2206			Final Weight/Volume:	5 mL
Prep Date:	07/01/2014 2206				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	2.5		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	2.5
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	3.2		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Analytical Data

Client: New York State D.E.C.

Job Number: 480-62519-1

Client Sample ID: AZMW-6

Lab Sample ID: 480-62519-11

Date Sampled: 06/20/2014 1235

Client Matrix: Water

Date Received: 06/24/2014 0100

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-190745	Instrument ID:	HP5973G
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	G31976.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/01/2014 2206			Final Weight/Volume:	5 mL
Prep Date:	07/01/2014 2206				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		66 - 137
Toluene-d8 (Surr)	94		71 - 126
4-Bromofluorobenzene (Surr)	99		73 - 120
Dibromofluoromethane (Surr)	97		60 - 140

Analytical Data

Client: New York State D.E.C.

Job Number: 480-62519-1

Client Sample ID: AZMW-6

Lab Sample ID: 480-62519-11

Client Matrix: Water

Date Sampled: 06/20/2014 1235

Date Received: 06/24/2014 0100

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 480-190745

Instrument ID: HP5973G

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: G31976.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Analysis Date: 07/01/2014 2206

Final Weight/Volume: 5 mL

Prep Date: 07/01/2014 2206

Tentatively Identified Compounds**Number TIC's Found: 0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Analytical Data

Client: New York State D.E.C.

Job Number: 480-62519-1

Client Sample ID: MW-6

Lab Sample ID: 480-62519-12

Date Sampled: 06/20/2014 1350

Client Matrix: Water

Date Received: 06/24/2014 0100

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-190934	Instrument ID:	HP5973G
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	G32002.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 1828			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 1828				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	2.5
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Analytical Data

Client: New York State D.E.C.

Job Number: 480-62519-1

Client Sample ID: MW-6

Lab Sample ID: 480-62519-12

Date Sampled: 06/20/2014 1350

Client Matrix: Water

Date Received: 06/24/2014 0100

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-190934	Instrument ID:	HP5973G
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	G32002.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 1828			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 1828				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		66 - 137
Toluene-d8 (Surr)	95		71 - 126
4-Bromofluorobenzene (Surr)	97		73 - 120
Dibromofluoromethane (Surr)	93		60 - 140

Analytical Data

Client: New York State D.E.C.

Job Number: 480-62519-1

Client Sample ID: MW-6

Lab Sample ID: 480-62519-12

Date Sampled: 06/20/2014 1350

Client Matrix: Water

Date Received: 06/24/2014 0100

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-190934	Instrument ID:	HP5973G
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	G32002.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 1828			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 1828				

Tentatively Identified Compounds**Number TIC's Found: 4**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	
123-91-1	1,4-Dioxane	6.33	130	
87-68-3	Hexachlorobutadiene	12.87	0.41	J
91-20-3	Naphthalene	12.96	0.83	J
87-61-6	1,2,3-Trichlorobenzene	13.16	0.88	J

Analytical Data

Client: New York State D.E.C.

Job Number: 480-62519-1

Client Sample ID: MW-7

Lab Sample ID: 480-62519-13

Date Sampled: 06/20/2014 1215

Client Matrix: Water

Date Received: 06/24/2014 0100

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-190934	Instrument ID:	HP5973G
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	G32003.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 1852			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 1852				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	1.5		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	2.5
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	2.8		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Analytical Data

Client: New York State D.E.C.

Job Number: 480-62519-1

Client Sample ID: MW-7

Lab Sample ID: 480-62519-13

Date Sampled: 06/20/2014 1215

Client Matrix: Water

Date Received: 06/24/2014 0100

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-190934	Instrument ID:	HP5973G
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	G32003.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 1852			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 1852				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		66 - 137
Toluene-d8 (Surr)	95		71 - 126
4-Bromofluorobenzene (Surr)	99		73 - 120
Dibromofluoromethane (Surr)	98		60 - 140

Analytical Data

Client: New York State D.E.C.

Job Number: 480-62519-1

Client Sample ID: MW-7

Lab Sample ID: 480-62519-13

Date Sampled: 06/20/2014 1215

Client Matrix: Water

Date Received: 06/24/2014 0100

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 480-190934

Instrument ID: HP5973G

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: G32003.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Analysis Date: 07/02/2014 1852

Final Weight/Volume: 5 mL

Prep Date: 07/02/2014 1852

Tentatively Identified Compounds**Number TIC's Found: 1**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	
67-63-0	Isopropyl alcohol	3.13	18	

Client: New York State D.E.C.

Job Number: 480-62519-1

Surrogate Recovery Report**8260C Volatile Organic Compounds by GC/MS****Client Matrix: Water**

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
480-62519-1	DUP1	111	117	110	112
480-62519-2	DUP2	96	102	94	96
480-62519-3	tripblank	97	101	96	101
480-62519-4	AZMW-7	94	99	92	97
480-62519-5	AZMW-8	96	99	96	98
480-62519-6	AZMW-3	94	99	95	97
480-62519-7	AZMW-4	96	101	96	97
480-62519-8	AZMW-5	97	99	96	97
480-62519-9	AZMW-1	98	100	97	98
480-62519-10	AZMW-2	98	101	94	95
480-62519-11	AZMW-6	97	102	94	99
480-62519-12	MW-6	93	99	95	97
480-62519-13	MW-7	98	98	95	99
MB 480-190745/8		96	100	94	96
MB 480-190934/8		99	101	97	98
LCS 480-190745/6		95	98	96	99
LCS 480-190934/6		98	96	97	100
480-62519-11 MS	AZMW-6 MS	95	97	97	98
480-62519-11 MSD	AZMW-6 MSD	100	98	96	100

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	60-140
DCA = 1,2-Dichloroethane-d4 (Surr)	66-137
TOL = Toluene-d8 (Surr)	71-126
BFB = 4-Bromofluorobenzene (Surr)	73-120

Quality Control Results

Client: New York State D.E.C.

Job Number: 480-62519-1

Method Blank - Batch: 480-190745

Method: 8260C Preparation: 5030C

Lab Sample ID: MB 480-190745/8
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/01/2014 1332
Prep Date: 07/01/2014 1332
Leach Date: N/A

Analysis Batch: 480-190745
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: HP5973G
Lab File ID: G31954.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	2.5
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0

Quality Control Results

Client: New York State D.E.C.

Job Number: 480-62519-1

Method Blank - Batch: 480-190745

Method: 8260C

Preparation: 5030C

Lab Sample ID: MB 480-190745/8
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 07/01/2014 1332
 Prep Date: 07/01/2014 1332
 Leach Date: N/A

Analysis Batch: 480-190745
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: HP5973G
 Lab File ID: G31954.D
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		0.88	1.0
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100	66 - 137
Toluene-d8 (Surr)	94	71 - 126
4-Bromofluorobenzene (Surr)	96	73 - 120
Dibromofluoromethane (Surr)	96	60 - 140

Method Blank TICs- Batch: 480-190745

Cas Number	Analyte	RT	Est. Result (ug/L)	Qual
	Tentatively Identified Compound		None	

Quality Control Results

Client: New York State D.E.C.

Job Number: 480-62519-1

Lab Control Sample - Batch: 480-190745

Method: 8260C

Preparation: 5030C

Lab Sample ID:	LCS 480-190745/6	Analysis Batch:	480-190745	Instrument ID:	HP5973G
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G31952.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/01/2014 1246	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	07/01/2014 1246				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	25.0	22.3	89	71 - 129	
1,1-Dichloroethene	25.0	20.6	82	58 - 121	
1,2-Dichlorobenzene	25.0	24.3	97	80 - 124	
1,2-Dichloroethane	25.0	23.6	94	75 - 127	
Benzene	25.0	22.8	91	71 - 124	
Chlorobenzene	25.0	23.3	93	72 - 120	
cis-1,2-Dichloroethene	25.0	22.5	90	74 - 124	
Ethylbenzene	25.0	22.7	91	77 - 123	
Methyl tert-butyl ether	25.0	23.9	95	64 - 127	
Tetrachloroethene	25.0	22.2	89	74 - 122	
Toluene	25.0	22.3	89	80 - 122	
trans-1,2-Dichloroethene	25.0	21.7	87	73 - 127	
Trichloroethene	25.0	21.4	86	74 - 123	
Surrogate	% Rec		Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	98		66 - 137		
Toluene-d8 (Surr)	96		71 - 126		
4-Bromofluorobenzene (Surr)	99		73 - 120		
Dibromofluoromethane (Surr)	95		60 - 140		

Quality Control Results

Client: New York State D.E.C.

Job Number: 480-62519-1

Method Blank - Batch: 480-190934

Method: 8260C Preparation: 5030C

Lab Sample ID: MB 480-190934/8
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/02/2014 1203
Prep Date: 07/02/2014 1203
Leach Date: N/A

Analysis Batch: 480-190934
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: HP5973G
Lab File ID: G31986.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	2.5
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0

Quality Control Results

Client: New York State D.E.C.

Job Number: 480-62519-1

Method Blank - Batch: 480-190934

Method: 8260C

Preparation: 5030C

Lab Sample ID: MB 480-190934/8
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 07/02/2014 1203
 Prep Date: 07/02/2014 1203
 Leach Date: N/A

Analysis Batch: 480-190934
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: HP5973G
 Lab File ID: G31986.D
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		0.88	1.0
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101	66 - 137
Toluene-d8 (Surr)	97	71 - 126
4-Bromofluorobenzene (Surr)	98	73 - 120
Dibromofluoromethane (Surr)	99	60 - 140

Method Blank TICs- Batch: 480-190934

Cas Number	Analyte	RT	Est. Result (ug/L)	Qual
	Tentatively Identified Compound		None	

Quality Control Results

Client: New York State D.E.C.

Job Number: 480-62519-1

Lab Control Sample - Batch: 480-190934

Method: 8260C

Preparation: 5030C

Lab Sample ID:	LCS 480-190934/6	Analysis Batch:	480-190934	Instrument ID:	HP5973G
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G31984.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 1118	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 1118				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	25.0	24.4	98	71 - 129	
1,1-Dichloroethene	25.0	23.3	93	58 - 121	
1,2-Dichlorobenzene	25.0	24.1	97	80 - 124	
1,2-Dichloroethane	25.0	24.0	96	75 - 127	
Benzene	25.0	24.6	98	71 - 124	
Chlorobenzene	25.0	24.5	98	72 - 120	
cis-1,2-Dichloroethene	25.0	24.1	96	74 - 124	
Ethylbenzene	25.0	24.8	99	77 - 123	
Methyl tert-butyl ether	25.0	23.4	94	64 - 127	
Tetrachloroethene	25.0	25.0	100	74 - 122	
Toluene	25.0	24.1	96	80 - 122	
trans-1,2-Dichloroethene	25.0	23.9	96	73 - 127	
Trichloroethene	25.0	24.0	96	74 - 123	
Surrogate	% Rec		Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	96		66 - 137		
Toluene-d8 (Surr)	97		71 - 126		
4-Bromofluorobenzene (Surr)	100		73 - 120		
Dibromofluoromethane (Surr)	98		60 - 140		

Quality Control Results

Client: New York State D.E.C.

Job Number: 480-62519-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-190934**

**Method: 8260C
Preparation: 5030C**

MS Lab Sample ID:	480-62519-11	Analysis Batch:	480-190934	Instrument ID:	HP5973G
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G32000.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 1742			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 1742				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	480-62519-11	Analysis Batch:	480-190934	Instrument ID:	HP5973G
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G32001.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 1806			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 1806				5 mL
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
1,1-Dichloroethane	79	103	71 - 129	25	20		F2
1,1-Dichloroethene	80	102	58 - 121	24	16		F2
1,2-Dichlorobenzene	83	102	80 - 124	20	20		
1,2-Dichloroethane	82	100	75 - 127	20	20		
Benzene	80	102	71 - 124	24	13		F2
Chlorobenzene	82	100	72 - 120	19	25		
cis-1,2-Dichloroethene	80	102	74 - 124	24	15		F2
Ethylbenzene	81	100	77 - 123	22	15		F2
Methyl tert-butyl ether	86	106	64 - 127	21	37		
Tetrachloroethene	83	103	74 - 122	21	20		F2
Toluene	81	100	80 - 122	21	15		F2
trans-1,2-Dichloroethene	77	100	73 - 127	27	20		F2
Trichloroethene	79	102	74 - 123	22	16		F2

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97	98	66 - 137
Toluene-d8 (Surr)	97	96	71 - 126
4-Bromofluorobenzene (Surr)	98	100	73 - 120
Dibromofluoromethane (Surr)	95	100	60 - 140

Quality Control Results

Client: New York State D.E.C.

Job Number: 480-62519-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-190934**

**Method: 8260C
Preparation: 5030C**

MS Lab Sample ID: 480-62519-11 Units: ug/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/02/2014 1742
Prep Date: 07/02/2014 1742
Leach Date: N/A

MSD Lab Sample ID: 480-62519-11
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/02/2014 1806
Prep Date: 07/02/2014 1806
Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1,1-Dichloroethane	ND	25.0	25.0	19.9	25.7 F2
1,1-Dichloroethene	ND	25.0	25.0	20.0	25.5 F2
1,2-Dichlorobenzene	ND	25.0	25.0	20.9	25.4
1,2-Dichloroethane	ND	25.0	25.0	20.6	25.1
Benzene	ND	25.0	25.0	20.0	25.6 F2
Chlorobenzene	ND	25.0	25.0	20.6	24.9
cis-1,2-Dichloroethene	ND	25.0	25.0	20.0	25.4 F2
Ethylbenzene	ND	25.0	25.0	20.1	25.1 F2
Methyl tert-butyl ether	ND	25.0	25.0	21.6	26.6
Tetrachloroethene	ND	25.0	25.0	20.8	25.7 F2
Toluene	ND	25.0	25.0	20.2	25.0 F2
trans-1,2-Dichloroethene	ND	25.0	25.0	19.2	25.1 F2
Trichloroethene	3.2	25.0	25.0	23.0	28.7 F2

DATA REPORTING QUALIFIERS

Client: New York State D.E.C.

Job Number: 480-62519-1

Lab Section	Qualifier	Description
GC/MS VOA		
	F1	MS and/or MSD Recovery exceeds the control limits
	F2	MS/MSD RPD exceeds control limits
	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: New York State D.E.C.

Job Number: 480-62519-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:480-190745					
LCS 480-190745/6	Lab Control Sample	T	Water	8260C	
MB 480-190745/8	Method Blank	T	Water	8260C	
480-62519-1	DUP1	T	Water	8260C	
480-62519-2	DUP2	T	Water	8260C	
480-62519-3	tripblank	T	Water	8260C	
480-62519-4	AZMW-7	T	Water	8260C	
480-62519-5	AZMW-8	T	Water	8260C	
480-62519-6	AZMW-3	T	Water	8260C	
480-62519-7	AZMW-4	T	Water	8260C	
480-62519-8	AZMW-5	T	Water	8260C	
480-62519-9	AZMW-1	T	Water	8260C	
480-62519-10	AZMW-2	T	Water	8260C	
480-62519-11	AZMW-6	T	Water	8260C	
Analysis Batch:480-190934					
LCS 480-190934/6	Lab Control Sample	T	Water	8260C	
MB 480-190934/8	Method Blank	T	Water	8260C	
480-62519-11MS	Matrix Spike	T	Water	8260C	
480-62519-11MSD	Matrix Spike Duplicate	T	Water	8260C	
480-62519-12	MW-6	T	Water	8260C	
480-62519-13	MW-7	T	Water	8260C	

Report Basis

T = Total

Quality Control Results

Client: New York State D.E.C.

Job Number: 480-62519-1

Laboratory Chronicle

Lab ID: 480-62519-1

Client ID: DUP1

Sample Date/Time: 06/19/2014 16:50

Received Date/Time: 06/24/2014 01:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-62519-A-1		480-190745		07/01/2014 18:17	1	TAL BUF	NQN
A:8260C	480-62519-A-1		480-190745		07/01/2014 18:17	1	TAL BUF	NQN

Lab ID: 480-62519-2

Client ID: DUP2

Sample Date/Time: 06/20/2014 11:15

Received Date/Time: 06/24/2014 01:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-62519-A-2		480-190745		07/01/2014 18:40	1	TAL BUF	NQN
A:8260C	480-62519-A-2		480-190745		07/01/2014 18:40	1	TAL BUF	NQN

Lab ID: 480-62519-3

Client ID: tripblank

Sample Date/Time: 06/20/2014 00:00

Received Date/Time: 06/24/2014 01:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-62519-A-3		480-190745		07/01/2014 19:03	1	TAL BUF	NQN
A:8260C	480-62519-A-3		480-190745		07/01/2014 19:03	1	TAL BUF	NQN

Lab ID: 480-62519-4

Client ID: AZMW-7

Sample Date/Time: 06/19/2014 16:15

Received Date/Time: 06/24/2014 01:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-62519-A-4		480-190745		07/01/2014 19:26	1	TAL BUF	NQN
A:8260C	480-62519-A-4		480-190745		07/01/2014 19:26	1	TAL BUF	NQN

Lab ID: 480-62519-5

Client ID: AZMW-8

Sample Date/Time: 06/19/2014 16:45

Received Date/Time: 06/24/2014 01:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-62519-A-5		480-190745		07/01/2014 19:49	1	TAL BUF	NQN
A:8260C	480-62519-A-5		480-190745		07/01/2014 19:49	1	TAL BUF	NQN

Lab ID: 480-62519-6

Client ID: AZMW-3

Sample Date/Time: 06/20/2014 09:00

Received Date/Time: 06/24/2014 01:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-62519-A-6		480-190745		07/01/2014 20:12	1	TAL BUF	NQN
A:8260C	480-62519-A-6		480-190745		07/01/2014 20:12	1	TAL BUF	NQN

Quality Control Results

Client: New York State D.E.C.

Job Number: 480-62519-1

Laboratory Chronicle

Lab ID: 480-62519-7

Client ID: AZMW-4

Sample Date/Time: 06/19/2014 18:15

Received Date/Time: 06/24/2014 01:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-62519-A-7		480-190745		07/01/2014 20:35	1	TAL BUF	NQN
A:8260C	480-62519-A-7		480-190745		07/01/2014 20:35	1	TAL BUF	NQN

Lab ID: 480-62519-8

Client ID: AZMW-5

Sample Date/Time: 06/19/2014 17:30

Received Date/Time: 06/24/2014 01:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-62519-A-8		480-190745		07/01/2014 20:57	1	TAL BUF	NQN
A:8260C	480-62519-A-8		480-190745		07/01/2014 20:57	1	TAL BUF	NQN

Lab ID: 480-62519-9

Client ID: AZMW-1

Sample Date/Time: 06/19/2014 12:30

Received Date/Time: 06/24/2014 01:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-62519-A-9		480-190745		07/01/2014 21:20	1	TAL BUF	NQN
A:8260C	480-62519-A-9		480-190745		07/01/2014 21:20	1	TAL BUF	NQN

Lab ID: 480-62519-10

Client ID: AZMW-2

Sample Date/Time: 06/20/2014 11:10

Received Date/Time: 06/24/2014 01:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-62519-A-10		480-190745		07/01/2014 21:43	1	TAL BUF	NQN
A:8260C	480-62519-A-10		480-190745		07/01/2014 21:43	1	TAL BUF	NQN

Lab ID: 480-62519-11

Client ID: AZMW-6

Sample Date/Time: 06/20/2014 12:35

Received Date/Time: 06/24/2014 01:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-62519-A-11		480-190745		07/01/2014 22:06	1	TAL BUF	NQN
A:8260C	480-62519-A-11		480-190745		07/01/2014 22:06	1	TAL BUF	NQN

Lab ID: 480-62519-11

Client ID: AZMW-6

Sample Date/Time: 06/20/2014 12:30

Received Date/Time: 06/24/2014 01:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-62519-B-11 MS		480-190934		07/02/2014 17:42	1	TAL BUF	GTG
A:8260C	480-62519-B-11 MS		480-190934		07/02/2014 17:42	1	TAL BUF	GTG

Quality Control Results

Client: New York State D.E.C.

Job Number: 480-62519-1

Laboratory Chronicle

Lab ID: 480-62519-11

Client ID: AZMW-6

Sample Date/Time: 06/20/2014 12:32

Received Date/Time: 06/24/2014 01:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-62519-B-11 MSD		480-190934		07/02/2014 18:06	1	TAL BUF	GTG
A:8260C	480-62519-B-11 MSD		480-190934		07/02/2014 18:06	1	TAL BUF	GTG

Lab ID: 480-62519-12

Client ID: MW-6

Sample Date/Time: 06/20/2014 13:50

Received Date/Time: 06/24/2014 01:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-62519-A-12		480-190934		07/02/2014 18:28	1	TAL BUF	GTG
A:8260C	480-62519-A-12		480-190934		07/02/2014 18:28	1	TAL BUF	GTG

Lab ID: 480-62519-13

Client ID: MW-7

Sample Date/Time: 06/20/2014 12:15

Received Date/Time: 06/24/2014 01:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-62519-A-13		480-190934		07/02/2014 18:52	1	TAL BUF	GTG
A:8260C	480-62519-A-13		480-190934		07/02/2014 18:52	1	TAL BUF	GTG

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	MB 480-190745/8		480-190745		07/01/2014 13:32	1	TAL BUF	NQN
A:8260C	MB 480-190745/8		480-190745		07/01/2014 13:32	1	TAL BUF	NQN
P:5030C	MB 480-190934/8		480-190934		07/02/2014 12:03	1	TAL BUF	GTG
A:8260C	MB 480-190934/8		480-190934		07/02/2014 12:03	1	TAL BUF	GTG

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	LCS 480-190745/6		480-190745		07/01/2014 12:46	1	TAL BUF	NQN
A:8260C	LCS 480-190745/6		480-190745		07/01/2014 12:46	1	TAL BUF	NQN
P:5030C	LCS 480-190934/6		480-190934		07/02/2014 11:18	1	TAL BUF	GTG
A:8260C	LCS 480-190934/6		480-190934		07/02/2014 11:18	1	TAL BUF	GTG

Lab References:

TAL BUF = TestAmerica Buffalo

Method 8260C

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1
 SDG No.: _____
 Matrix: Water Level: Low
 GC Column (1): ZB-624 (60) ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
DUP1	480-62519-1	111	117	110	112
DUP2	480-62519-2	96	102	94	96
tripblank	480-62519-3	97	101	96	101
AZMW-7	480-62519-4	94	99	92	97
AZMW-8	480-62519-5	96	99	96	98
AZMW-3	480-62519-6	94	99	95	97
AZMW-4	480-62519-7	96	101	96	97
AZMW-5	480-62519-8	97	99	96	97
AZMW-1	480-62519-9	98	100	97	98
AZMW-2	480-62519-10	98	101	94	95
AZMW-6	480-62519-11	97	102	94	99
MW-6	480-62519-12	93	99	95	97
MW-7	480-62519-13	98	98	95	99
	MB 480-190745/8	96	100	94	96
	MB 480-190934/8	99	101	97	98
	LCS 480-190745/6	95	98	96	99
	LCS 480-190934/6	98	96	97	100
AZMW-6 MS	480-62519-11 MS	95	97	97	98
AZMW-6 MSD	480-62519-11 MSD	100	98	96	100

	<u>QC LIMITS</u>
DBFM = Dibromofluoromethane (Surr)	60-140
DCA = 1,2-Dichloroethane-d4 (Surr)	66-137
TOL = Toluene-d8 (Surr)	71-126
BFB = 4-Bromofluorobenzene (Surr)	73-120

Column to be used to flag recovery values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: G31952.D
 Lab ID: LCS 480-190745/6 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	25.0	22.3	89	71-129	
1,1-Dichloroethene	25.0	20.6	82	58-121	
1,2-Dichlorobenzene	25.0	24.3	97	80-124	
1,2-Dichloroethane	25.0	23.6	94	75-127	
Benzene	25.0	22.8	91	71-124	
Chlorobenzene	25.0	23.3	93	72-120	
cis-1,2-Dichloroethene	25.0	22.5	90	74-124	
Ethylbenzene	25.0	22.7	91	77-123	
Methyl tert-butyl ether	25.0	23.9	95	64-127	
Tetrachloroethene	25.0	22.2	89	74-122	
Toluene	25.0	22.3	89	80-122	
trans-1,2-Dichloroethene	25.0	21.7	87	73-127	
Trichloroethene	25.0	21.4	86	74-123	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: G31984.D
 Lab ID: LCS 480-190934/6 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	25.0	24.4	98	71-129	
1,1-Dichloroethene	25.0	23.3	93	58-121	
1,2-Dichlorobenzene	25.0	24.1	97	80-124	
1,2-Dichloroethane	25.0	24.0	96	75-127	
Benzene	25.0	24.6	98	71-124	
Chlorobenzene	25.0	24.5	98	72-120	
cis-1,2-Dichloroethene	25.0	24.1	96	74-124	
Ethylbenzene	25.0	24.8	99	77-123	
Methyl tert-butyl ether	25.0	23.4	94	64-127	
Tetrachloroethene	25.0	25.0	100	74-122	
Toluene	25.0	24.1	96	80-122	
trans-1,2-Dichloroethene	25.0	23.9	96	73-127	
Trichloroethene	25.0	24.0	96	74-123	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: G32000.D
 Lab ID: 480-62519-11 MS Client ID: AZMW-6 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1-Dichloroethane	25.0	ND	19.9	79	71-129	
1,1-Dichloroethene	25.0	ND	20.0	80	58-121	
1,2-Dichlorobenzene	25.0	ND	20.9	83	80-124	
1,2-Dichloroethane	25.0	ND	20.6	82	75-127	
Benzene	25.0	ND	20.0	80	71-124	
Chlorobenzene	25.0	ND	20.6	82	72-120	
cis-1,2-Dichloroethene	25.0	ND	20.0	80	74-124	
Ethylbenzene	25.0	ND	20.1	81	77-123	
Methyl tert-butyl ether	25.0	ND	21.6	86	64-127	
Tetrachloroethene	25.0	ND	20.8	83	74-122	
Toluene	25.0	ND	20.2	81	80-122	
trans-1,2-Dichloroethene	25.0	ND	19.2	77	73-127	
Trichloroethene	25.0	3.2	23.0	79	74-123	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: G32001.D
 Lab ID: 480-62519-11 MSD Client ID: AZMW-6 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1-Dichloroethane	25.0	25.7	103	25	20	71-129	F2
1,1-Dichloroethene	25.0	25.5	102	24	16	58-121	F2
1,2-Dichlorobenzene	25.0	25.4	102	20	20	80-124	
1,2-Dichloroethane	25.0	25.1	100	20	20	75-127	
Benzene	25.0	25.6	102	24	13	71-124	F2
Chlorobenzene	25.0	24.9	100	19	25	72-120	
cis-1,2-Dichloroethene	25.0	25.4	102	24	15	74-124	F2
Ethylbenzene	25.0	25.1	100	22	15	77-123	F2
Methyl tert-butyl ether	25.0	26.6	106	21	37	64-127	
Tetrachloroethene	25.0	25.7	103	21	20	74-122	F2
Toluene	25.0	25.0	100	21	15	80-122	F2
trans-1,2-Dichloroethene	25.0	25.1	100	27	20	73-127	F2
Trichloroethene	25.0	28.7	102	22	16	74-123	F2

Column to be used to flag recovery and RPD values

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1
 SDG No.: _____
 Lab File ID: G31954.D Lab Sample ID: MB 480-190745/8
 Matrix: Water Heated Purge: (Y/N) N
 Instrument ID: HP5973G Date Analyzed: 07/01/2014 13:32
 GC Column: ZB-624 (60) ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-190745/6	G31952.D	07/01/2014 12:46
DUP1	480-62519-1	G31966.D	07/01/2014 18:17
DUP2	480-62519-2	G31967.D	07/01/2014 18:40
tripblank	480-62519-3	G31968.D	07/01/2014 19:03
AZMW-7	480-62519-4	G31969.D	07/01/2014 19:26
AZMW-8	480-62519-5	G31970.D	07/01/2014 19:49
AZMW-3	480-62519-6	G31971.D	07/01/2014 20:12
AZMW-4	480-62519-7	G31972.D	07/01/2014 20:35
AZMW-5	480-62519-8	G31973.D	07/01/2014 20:57
AZMW-1	480-62519-9	G31974.D	07/01/2014 21:20
AZMW-2	480-62519-10	G31975.D	07/01/2014 21:43
AZMW-6	480-62519-11	G31976.D	07/01/2014 22:06

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1
SDG No.: _____
Lab File ID: G31986.D Lab Sample ID: MB 480-190934/8
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5973G Date Analyzed: 07/02/2014 12:03
GC Column: ZB-624 (60) ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-190934/6	G31984.D	07/02/2014 11:18
AZMW-6 MS	480-62519-11 MS	G32000.D	07/02/2014 17:42
AZMW-6 MSD	480-62519-11 MSD	G32001.D	07/02/2014 18:06
MW-6	480-62519-12	G32002.D	07/02/2014 18:28
MW-7	480-62519-13	G32003.D	07/02/2014 18:52

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

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1
 SDG No.: _____
 Lab File ID: G31247.D BFB Injection Date: 06/10/2014
 Instrument ID: HP5973G BFB Injection Time: 14:12
 Analysis Batch No.: 186834

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	18.9
75	30.0 - 60.0 % of mass 95	52.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.7
173	Less than 2.0 % of mass 174	0.6 (0.9) 1
174	50.0 - 120.00 % of mass 95	67.5
175	5.0 - 9.0 % of mass 174	5.4 (7.9) 1
176	95.0 - 101.0 % of mass 174	66.4 (98.5) 1
177	5.0 - 9.0 % of mass 176	4.2 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-186834/4	G31249.D	06/10/2014	15:07
	IC 480-186834/5	G31250.D	06/10/2014	15:30
	IC 480-186834/6	G31251.D	06/10/2014	15:53
	IC 480-186834/7	G31252.D	06/10/2014	16:16
	ICIS 480-186834/8	G31253.D	06/10/2014	16:39
	IC 480-186834/9	G31254.D	06/10/2014	17:02
	IC 480-186834/10	G31255.D	06/10/2014	17:24

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

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1
 SDG No.: _____
 Lab File ID: G31948.D BFB Injection Date: 07/01/2014
 Instrument ID: HP5973G BFB Injection Time: 10:57
 Analysis Batch No.: 190745

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	17.6
75	30.0 - 60.0 % of mass 95	49.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.2
173	Less than 2.0 % of mass 174	0.5 (0.8) 1
174	50.0 - 120.00 % of mass 95	66.9
175	5.0 - 9.0 % of mass 174	4.9 (7.3) 1
176	95.0 - 101.0 % of mass 174	63.8 (95.4) 1
177	5.0 - 9.0 % of mass 176	4.2 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-190745/3	G31949.D	07/01/2014	11:23
	LCS 480-190745/6	G31952.D	07/01/2014	12:46
	MB 480-190745/8	G31954.D	07/01/2014	13:32
DUP1	480-62519-1	G31966.D	07/01/2014	18:17
DUP2	480-62519-2	G31967.D	07/01/2014	18:40
tripblank	480-62519-3	G31968.D	07/01/2014	19:03
AZMW-7	480-62519-4	G31969.D	07/01/2014	19:26
AZMW-8	480-62519-5	G31970.D	07/01/2014	19:49
AZMW-3	480-62519-6	G31971.D	07/01/2014	20:12
AZMW-4	480-62519-7	G31972.D	07/01/2014	20:35
AZMW-5	480-62519-8	G31973.D	07/01/2014	20:57
AZMW-1	480-62519-9	G31974.D	07/01/2014	21:20
AZMW-2	480-62519-10	G31975.D	07/01/2014	21:43
AZMW-6	480-62519-11	G31976.D	07/01/2014	22:06

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

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1
 SDG No.: _____
 Lab File ID: G31980.D BFB Injection Date: 07/02/2014
 Instrument ID: HP5973G BFB Injection Time: 09:33
 Analysis Batch No.: 190934

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	19.3
75	30.0 - 60.0 % of mass 95	51.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.0
173	Less than 2.0 % of mass 174	0.6 (1.0)1
174	50.0 - 120.00 % of mass 95	66.6
175	5.0 - 9.0 % of mass 174	4.8 (7.2)1
176	95.0 - 101.0 % of mass 174	63.3 (95.0)1
177	5.0 - 9.0 % of mass 176	4.3 (6.8)2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-190934/3	G31981.D	07/02/2014	09:59
	LCS 480-190934/6	G31984.D	07/02/2014	11:18
	MB 480-190934/8	G31986.D	07/02/2014	12:03
AZMW-6 MS	480-62519-11 MS	G32000.D	07/02/2014	17:42
AZMW-6 MSD	480-62519-11 MSD	G32001.D	07/02/2014	18:06
MW-6	480-62519-12	G32002.D	07/02/2014	18:28
MW-7	480-62519-13	G32003.D	07/02/2014	18:52

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

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1
 SDG No.: _____
 Sample No.: ICIS 480-186834/8 Date Analyzed: 06/10/2014 16:39
 Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): G31253.D Heated Purge: (Y/N) N
 Calibration ID: 18779

	FB		CBZ		DCB	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	108741	5.60	223878	8.60	183642	10.97
UPPER LIMIT	217482	6.10	447756	9.10	367284	11.47
LOWER LIMIT	54371	5.10	111939	8.10	91821	10.47
LAB SAMPLE ID	CLIENT SAMPLE ID					
CCVIS 480-190934/3		103040	5.60	209994	8.60	179405
						10.97

FB = Fluorobenzene (IS)

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 Buffalo Job No.: 480-62519-1
 SDG No.: _____
 Sample No.: CCVIS 480-190745/3 Date Analyzed: 07/01/2014 11:23
 Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): G31949.D Heated Purge: (Y/N) N
 Calibration ID: 18781

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		100376	5.60	210535	8.60	180890	10.97
UPPER LIMIT		200752	6.10	421070	9.10	361780	11.47
LOWER LIMIT		50188	5.10	105268	8.10	90445	10.47
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-190745/6		100266	5.60	205954	8.60	175667	10.97
MB 480-190745/8		95346	5.60	198272	8.60	164303	10.97
480-62519-1	DUP1	84247	5.60	175340	8.60	146881	10.97
480-62519-2	DUP2	94795	5.60	198500	8.60	165959	10.97
480-62519-3	tripblank	94184	5.60	194541	8.60	168854	10.97
480-62519-4	AZMW-7	95762	5.60	198172	8.60	167208	10.97
480-62519-5	AZMW-8	94718	5.60	193932	8.60	164108	10.97
480-62519-6	AZMW-3	96380	5.60	195688	8.60	165669	10.97
480-62519-7	AZMW-4	95083	5.60	195938	8.60	162814	10.97
480-62519-8	AZMW-5	93971	5.60	194200	8.60	164256	10.97
480-62519-9	AZMW-1	93356	5.60	193194	8.60	163193	10.97
480-62519-10	AZMW-2	93072	5.60	194475	8.60	163395	10.97
480-62519-11	AZMW-6	92995	5.60	193001	8.60	165269	10.97

FB = Fluorobenzene (IS)

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 Buffalo Job No.: 480-62519-1
 SDG No.: _____
 Sample No.: CCVIS 480-190934/3 Date Analyzed: 07/02/2014 09:59
 Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): G31981.D Heated Purge: (Y/N) N
 Calibration ID: 18781

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		103040	5.60	209994	8.60	179405	10.97
UPPER LIMIT		206080	6.10	419988	9.10	358810	11.47
LOWER LIMIT		51520	5.10	104997	8.10	89703	10.47
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-190934/6		101553	5.60	208788	8.60	183010	10.97
MB 480-190934/8		94001	5.60	197182	8.60	166566	10.97
480-62519-11 MS	AZMW-6 MS	99509	5.60	203019	8.60	175627	10.97
480-62519-11 MSD	AZMW-6 MSD	98378	5.60	206420	8.60	178307	10.97
480-62519-12	MW-6	98688	5.60	202112	8.60	167084	10.97
480-62519-13	MW-7	96522	5.60	199793	8.60	169386	10.97

FB = Fluorobenzene (IS)

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 Buffalo Job No.: 480-62519-1

SDG No.: _____

Client Sample ID: DUP1 Lab Sample ID: 480-62519-1

Matrix: Water Lab File ID: G31966.D

Analysis Method: 8260C Date Collected: 06/19/2014 16:50

Sample wt/vol: 5(mL) Date Analyzed: 07/01/2014 18:17

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 190745 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
591-78-6	2-Hexanone	ND		5.0	1.2
78-93-3	2-Butanone (MEK)	ND		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	4.1		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1

SDG No.: _____

Client Sample ID: DUP1 Lab Sample ID: 480-62519-1

Matrix: Water Lab File ID: G31966.D

Analysis Method: 8260C Date Collected: 06/19/2014 16:50

Sample wt/vol: 5(mL) Date Analyzed: 07/01/2014 18:17

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 190745 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117		66-137
2037-26-5	Toluene-d8 (Surr)	110		71-126
460-00-4	4-Bromofluorobenzene (Surr)	112		73-120
1868-53-7	Dibromofluoromethane (Surr)	111		60-140

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1
SDG No.: _____
Client Sample ID: DUP1 Lab Sample ID: 480-62519-1
Matrix: Water Lab File ID: G31966.D
Analysis Method: 8260C Date Collected: 06/19/2014 16:50
Sample wt/vol: 5(mL) Date Analyzed: 07/01/2014 18:17
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 190745 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G31966.D
 Lims ID: 480-62519-A-1 Lab Sample ID: 480-62519-1
 Client ID: DUP1
 Sample Type: Client
 Inject. Date: 01-Jul-2014 18:17:30 ALS Bottle#: 50 Worklist Smp#: 21
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-62519-A-1
 Misc. Info.: 480-0033443-021 =480-0033443-021
 Operator ID: NQ Instrument ID: HP5973G
 Method: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 02-Jul-2014 10:05:54 Calib Date: 10-Jun-2014 21:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31265.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK003

First Level Reviewer: nguyendudziaknq

Date: 02-Jul-2014 10:05:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.602	5.602	0.000	98	84247	25.0	
* 2 Chlorobenzene-d5	82	8.595	8.595	0.000	88	175340	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.973	10.967	0.006	98	146881	25.0	
\$ 148 Dibromofluoromethane (Surr	113	5.005	5.005	0.000	57	98397	27.8	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.316	5.316	0.000	0	75637	29.2	
\$ 5 Toluene-d8 (Surr)	98	7.114	7.114	0.000	93	437060	27.5	
\$ 6 4-Bromofluorobenzene (Surr	174	9.839	9.839	0.000	83	119710	28.0	
10 Dichlorodifluoromethane	85		1.432				ND	
12 Chloromethane	50		1.585				ND	
13 Vinyl chloride	62		1.700				ND	
14 Bromomethane	94		1.993				ND	
15 Chloroethane	64		2.133				ND	
17 Trichlorofluoromethane	101		2.365				ND	
20 1,1-Dichloroethene	96		2.871				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.877				ND	
22 Acetone	43		2.944				ND	
24 Carbon disulfide	76		3.078				ND	
28 Methyl acetate	43		3.243				ND	
29 Methylene Chloride	84		3.383				ND	
31 Methyl tert-butyl ether	73		3.572				ND	
32 trans-1,2-Dichloroethene	96		3.584				ND	
36 1,1-Dichloroethane	63		3.993				ND	
43 cis-1,2-Dichloroethene	96		4.541				ND	
44 2-Butanone (MEK)	43		4.572				ND	
50 Chloroform	85	4.852	4.852	0.000	80	19174	4.14	
51 1,1,1-Trichloroethane	97		4.980				ND	
52 Cyclohexane	56		5.005				ND	
53 Carbon tetrachloride	117		5.127				ND	
56 Benzene	78		5.334				ND	
57 1,2-Dichloroethane	62		5.389				ND	
61 Trichloroethene	95		5.944				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		6.084				ND	
63 1,2-Dichloropropane	63		6.175				ND	
67 Dichlorobromomethane	83		6.462				ND	
72 cis-1,3-Dichloropropene	75		6.882				ND	
73 4-Methyl-2-pentanone (MIBK)	43		7.017				ND	
74 Toluene	92		7.181				ND	
76 trans-1,3-Dichloropropene	75		7.443				ND	
79 1,1,2-Trichloroethane	83		7.632				ND	
80 Tetrachloroethene	166		7.724				ND	
82 2-Hexanone	43		7.858				ND	
83 Chlorodibromomethane	129		8.035				ND	
84 Ethylene Dibromide	107		8.138				ND	
86 Chlorobenzene	112		8.626				ND	
89 Ethylbenzene	91		8.723				ND	
90 m-Xylene & p-Xylene	106		8.845				ND	
91 o-Xylene	106		9.272				ND	
92 Styrene	104		9.297				ND	
93 Bromoform	173		9.534				ND	
95 Isopropylbenzene	105		9.650				ND	
98 1,1,2,2-Tetrachloroethane	83		10.022				ND	
110 1,3-Dichlorobenzene	146		10.906				ND	
113 1,4-Dichlorobenzene	146		10.991				ND	
116 1,2-Dichlorobenzene	146		11.339				ND	
117 1,2-Dibromo-3-Chloropropan	75		12.058				ND	
119 1,2,4-Trichlorobenzene	180		12.747				ND	
S 124 Xylenes, Total	1		30.000				0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

G_8260_Surr_00070

Amount Added: 1.00

Units: uL

Run Reagent

G_8260_IS_00057

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G31966.D

Injection Date: 01-Jul-2014 18:17:30

Instrument ID: HP5973G

Operator ID: NQ

Lims ID: 480-62519-A-1

Lab Sample ID: 480-62519-1

Worklist Smp#: 21

Client ID: DUP1

Purge Vol: 5.000 mL

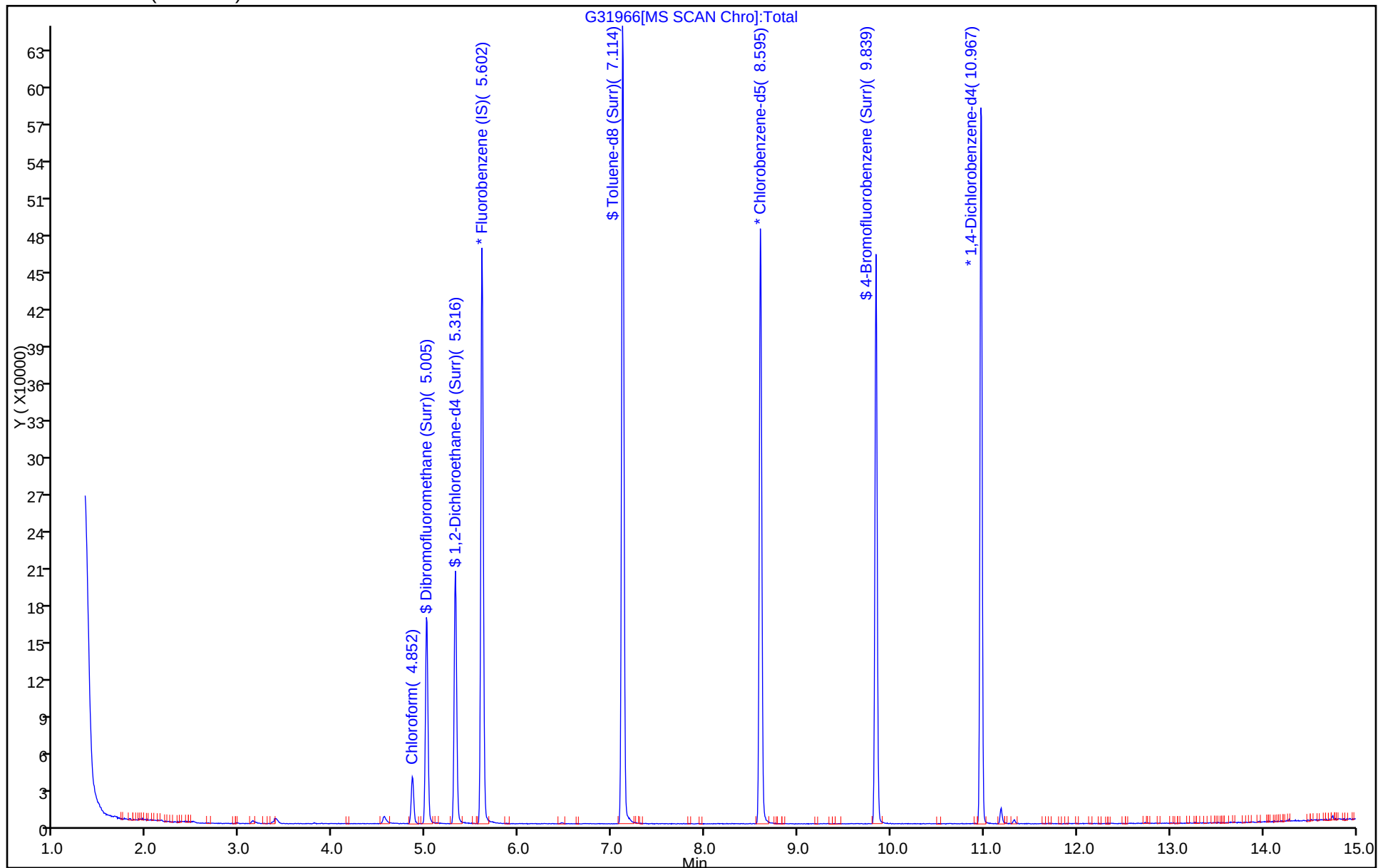
Dil. Factor: 1.0000

ALS Bottle#: 50

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G31966.D

Injection Date: 01-Jul-2014 18:17:30

Instrument ID: HP5973G

Lims ID: 480-62519-A-1

Lab Sample ID: 480-62519-1

Client ID: DUP1

Operator ID: NQ

ALS Bottle#: 50

Worklist Smp#: 21

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

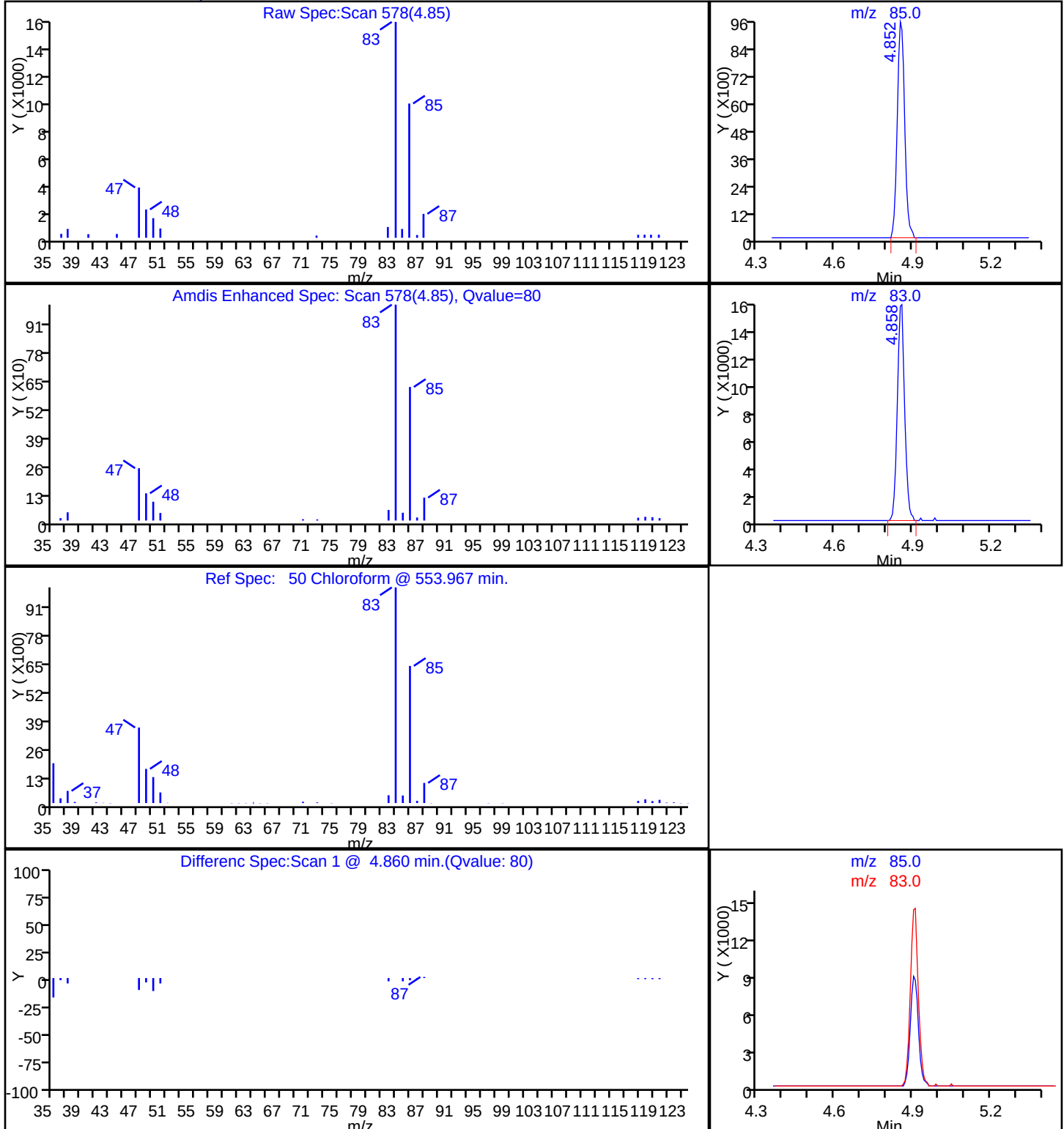
Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

50 Chloroform, CAS: 67-66-3



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1

SDG No.: _____

Client Sample ID: DUP2 Lab Sample ID: 480-62519-2

Matrix: Water Lab File ID: G31967.D

Analysis Method: 8260C Date Collected: 06/20/2014 11:15

Sample wt/vol: 5(mL) Date Analyzed: 07/01/2014 18:40

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 190745 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
591-78-6	2-Hexanone	ND		5.0	1.2
78-93-3	2-Butanone (MEK)	ND		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1
 SDG No.: _____
 Client Sample ID: DUP2 Lab Sample ID: 480-62519-2
 Matrix: Water Lab File ID: G31967.D
 Analysis Method: 8260C Date Collected: 06/20/2014 11:15
 Sample wt/vol: 5(mL) Date Analyzed: 07/01/2014 18:40
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 190745 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		66-137
2037-26-5	Toluene-d8 (Surr)	94		71-126
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
1868-53-7	Dibromofluoromethane (Surr)	96		60-140

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-62519-1</u>
SDG No.: _____	
Client Sample ID: <u>DUP2</u>	Lab Sample ID: <u>480-62519-2</u>
Matrix: <u>Water</u>	Lab File ID: <u>G31967.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>06/20/2014 11:15</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>07/01/2014 18:40</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25(mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>190745</u>	Units: <u>ug/L</u>
Number TICs Found: <u>0</u>	TIC Result Total: <u>0</u>

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G31967.D
 Lims ID: 480-62519-A-2 Lab Sample ID: 480-62519-2
 Client ID: DUP2
 Sample Type: Client
 Inject. Date: 01-Jul-2014 18:40:30 ALS Bottle#: 51 Worklist Smp#: 22
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-62519-A-2
 Misc. Info.: 480-0033443-022 =480-0033443-022
 Operator ID: NQ Instrument ID: HP5973G
 Method: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 02-Jul-2014 10:07:17 Calib Date: 10-Jun-2014 21:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31265.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK003

First Level Reviewer: nguyendudziaknq

Date: 02-Jul-2014 10:07:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.602	5.602	0.000	98	94795	25.0	
* 2 Chlorobenzene-d5	82	8.595	8.595	0.000	87	198500	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.967	10.967	0.000	97	165959	25.0	
\$ 148 Dibromofluoromethane (Surr	113	5.011	5.005	0.006	57	95677	24.1	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.315	5.316	-0.001	0	74682	25.6	
\$ 5 Toluene-d8 (Surr)	98	7.114	7.114	0.000	93	423961	23.6	
\$ 6 4-Bromofluorobenzene (Surr	174	9.839	9.839	0.000	82	116685	24.1	
10 Dichlorodifluoromethane	85		1.432				ND	
12 Chloromethane	50		1.585				ND	
13 Vinyl chloride	62		1.700				ND	
14 Bromomethane	94		1.993				ND	
15 Chloroethane	64		2.133				ND	
17 Trichlorofluoromethane	101		2.365				ND	
20 1,1-Dichloroethene	96		2.871				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.877				ND	
22 Acetone	43		2.944				ND	
24 Carbon disulfide	76		3.078				ND	
28 Methyl acetate	43		3.243				ND	
29 Methylene Chloride	84		3.383				ND	
31 Methyl tert-butyl ether	73		3.572				ND	
32 trans-1,2-Dichloroethene	96		3.584				ND	
36 1,1-Dichloroethane	63		3.993				ND	
43 cis-1,2-Dichloroethene	96		4.541				ND	
44 2-Butanone (MEK)	43		4.572				ND	
50 Chloroform	85		4.852				ND	
51 1,1,1-Trichloroethane	97		4.980				ND	
52 Cyclohexane	56		5.005				ND	
53 Carbon tetrachloride	117		5.127				ND	
56 Benzene	78		5.334				ND	
57 1,2-Dichloroethane	62		5.389				ND	
61 Trichloroethene	95		5.944				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		6.084				ND	
63 1,2-Dichloropropane	63		6.175				ND	
67 Dichlorobromomethane	83		6.462				ND	
72 cis-1,3-Dichloropropene	75		6.882				ND	
73 4-Methyl-2-pentanone (MIBK)	43		7.017				ND	
74 Toluene	92		7.181				ND	
76 trans-1,3-Dichloropropene	75		7.443				ND	
79 1,1,2-Trichloroethane	83		7.632				ND	
80 Tetrachloroethene	166		7.724				ND	
82 2-Hexanone	43		7.858				ND	
83 Chlorodibromomethane	129		8.035				ND	
84 Ethylene Dibromide	107		8.138				ND	
86 Chlorobenzene	112		8.626				ND	
89 Ethylbenzene	91		8.723				ND	
90 m-Xylene & p-Xylene	106		8.845				ND	
91 o-Xylene	106		9.272				ND	
92 Styrene	104		9.297				ND	
93 Bromoform	173		9.534				ND	
95 Isopropylbenzene	105		9.650				ND	
98 1,1,2,2-Tetrachloroethane	83		10.022				ND	
110 1,3-Dichlorobenzene	146		10.906				ND	
113 1,4-Dichlorobenzene	146		10.991				ND	
116 1,2-Dichlorobenzene	146		11.339				ND	
117 1,2-Dibromo-3-Chloropropan	75		12.058				ND	
119 1,2,4-Trichlorobenzene	180		12.747				ND	
S 124 Xylenes, Total	1		30.000				0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

G_8260_Surr_00070

Amount Added: 1.00

Units: uL

Run Reagent

G_8260_IS_00057

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G31967.D

Injection Date: 01-Jul-2014 18:40:30

Instrument ID: HP5973G

Operator ID: NQ

Lims ID: 480-62519-A-2

Lab Sample ID: 480-62519-2

Worklist Smp#: 22

Client ID: DUP2

Purge Vol: 5.000 mL

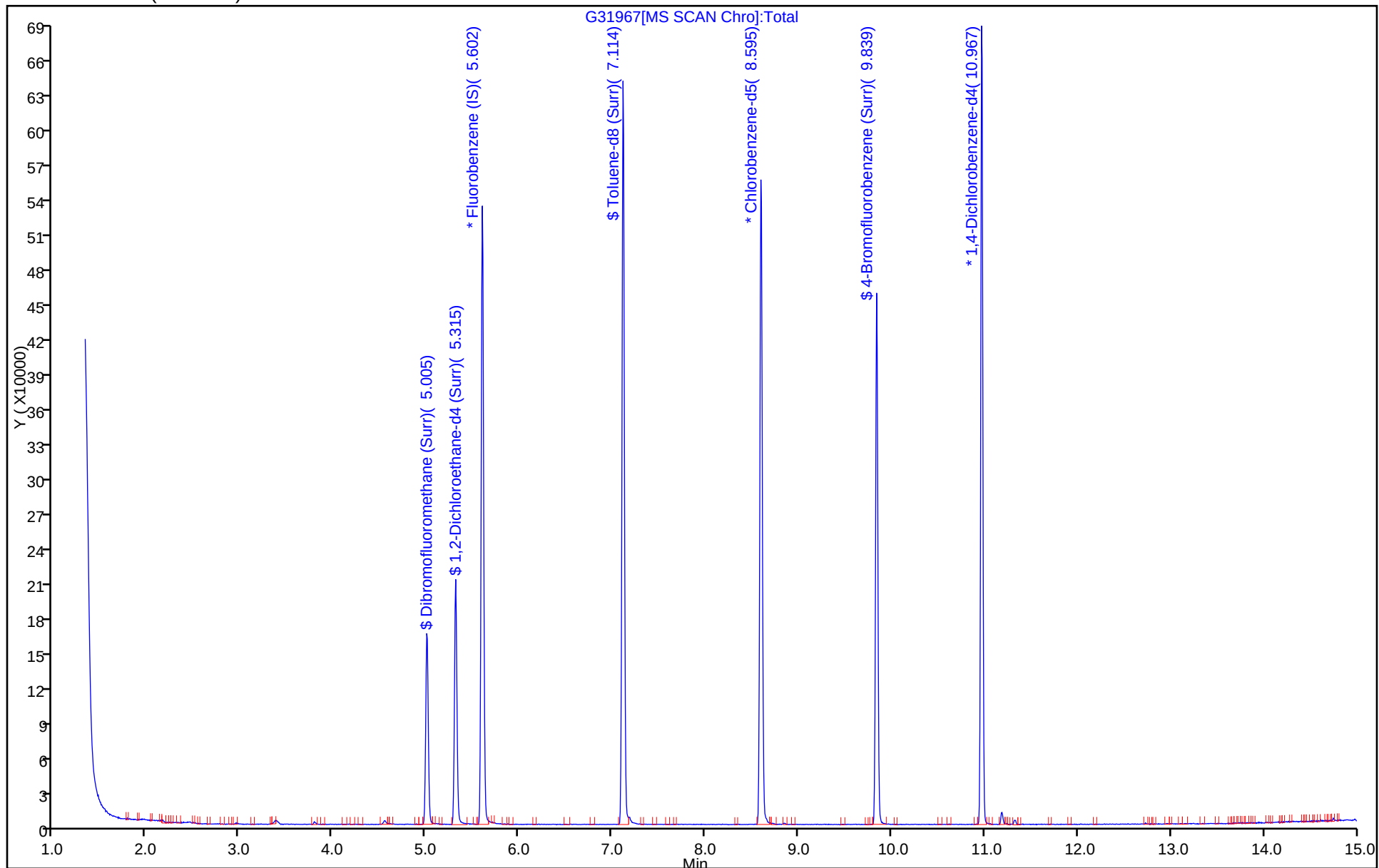
Dil. Factor: 1.0000

ALS Bottle#: 51

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1

SDG No.: _____

Client Sample ID: tripblank Lab Sample ID: 480-62519-3

Matrix: Water Lab File ID: G31968.D

Analysis Method: 8260C Date Collected: 06/20/2014 00:00

Sample wt/vol: 5(mL) Date Analyzed: 07/01/2014 19:03

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 190745 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
591-78-6	2-Hexanone	ND		5.0	1.2
78-93-3	2-Butanone (MEK)	ND		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1
 SDG No.: _____
 Client Sample ID: tripblank Lab Sample ID: 480-62519-3
 Matrix: Water Lab File ID: G31968.D
 Analysis Method: 8260C Date Collected: 06/20/2014 00:00
 Sample wt/vol: 5(mL) Date Analyzed: 07/01/2014 19:03
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 190745 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		66-137
2037-26-5	Toluene-d8 (Surr)	96		71-126
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
1868-53-7	Dibromofluoromethane (Surr)	97		60-140

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1
SDG No.: _____
Client Sample ID: tripblank Lab Sample ID: 480-62519-3
Matrix: Water Lab File ID: G31968.D
Analysis Method: 8260C Date Collected: 06/20/2014 00:00
Sample wt/vol: 5(mL) Date Analyzed: 07/01/2014 19:03
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 190745 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G31968.D
 Lims ID: 480-62519-A-3 Lab Sample ID: 480-62519-3
 Client ID: tripblank
 Sample Type: Client
 Inject. Date: 01-Jul-2014 19:03:30 ALS Bottle#: 52 Worklist Smp#: 23
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-62519-A-3
 Misc. Info.: 480-0033443-023 =480-0033443-023
 Operator ID: NQ Instrument ID: HP5973G
 Method: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 02-Jul-2014 10:07:37 Calib Date: 10-Jun-2014 21:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31265.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK003

First Level Reviewer: nguyendudziaknq

Date: 02-Jul-2014 10:07:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.602	5.602	0.000	98	94184	25.0	
* 2 Chlorobenzene-d5	82	8.595	8.595	0.000	89	194541	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.967	10.967	0.000	97	168854	25.0	
\$ 148 Dibromofluoromethane (Surr	113	5.005	5.005	0.000	57	96081	24.3	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.315	5.316	-0.001	0	73097	25.2	
\$ 5 Toluene-d8 (Surr)	98	7.114	7.114	0.000	93	423940	24.0	
\$ 6 4-Bromofluorobenzene (Surr	174	9.839	9.839	0.000	83	119474	25.2	
10 Dichlorodifluoromethane	85		1.432				ND	
12 Chloromethane	50		1.585				ND	
13 Vinyl chloride	62		1.700				ND	
14 Bromomethane	94		1.993				ND	
15 Chloroethane	64		2.133				ND	
17 Trichlorofluoromethane	101		2.365				ND	
20 1,1-Dichloroethene	96		2.871				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.877				ND	
22 Acetone	43		2.944				ND	
24 Carbon disulfide	76		3.078				ND	
28 Methyl acetate	43		3.243				ND	
29 Methylene Chloride	84		3.383				ND	
31 Methyl tert-butyl ether	73		3.572				ND	
32 trans-1,2-Dichloroethene	96		3.584				ND	
36 1,1-Dichloroethane	63		3.993				ND	
43 cis-1,2-Dichloroethene	96		4.541				ND	
44 2-Butanone (MEK)	43		4.572				ND	
50 Chloroform	85		4.852				ND	
51 1,1,1-Trichloroethane	97		4.980				ND	
52 Cyclohexane	56		5.005				ND	
53 Carbon tetrachloride	117		5.127				ND	
56 Benzene	78		5.334				ND	
57 1,2-Dichloroethane	62		5.389				ND	
61 Trichloroethene	95		5.944				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		6.084				ND	
63 1,2-Dichloropropane	63		6.175				ND	
67 Dichlorobromomethane	83		6.462				ND	
72 cis-1,3-Dichloropropene	75		6.882				ND	
73 4-Methyl-2-pentanone (MIBK)	43		7.017				ND	
74 Toluene	92		7.181				ND	
76 trans-1,3-Dichloropropene	75		7.443				ND	
79 1,1,2-Trichloroethane	83		7.632				ND	
80 Tetrachloroethene	166		7.724				ND	
82 2-Hexanone	43		7.858				ND	
83 Chlorodibromomethane	129		8.035				ND	
84 Ethylene Dibromide	107		8.138				ND	
86 Chlorobenzene	112		8.626				ND	
89 Ethylbenzene	91		8.723				ND	
90 m-Xylene & p-Xylene	106		8.845				ND	
91 o-Xylene	106		9.272				ND	
92 Styrene	104		9.297				ND	
93 Bromoform	173		9.534				ND	
95 Isopropylbenzene	105		9.650				ND	
98 1,1,2,2-Tetrachloroethane	83		10.022				ND	
110 1,3-Dichlorobenzene	146		10.906				ND	
113 1,4-Dichlorobenzene	146		10.991				ND	
116 1,2-Dichlorobenzene	146		11.339				ND	
117 1,2-Dibromo-3-Chloropropan	75		12.058				ND	
119 1,2,4-Trichlorobenzene	180		12.747				ND	
S 124 Xylenes, Total	1		30.000				0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

G_8260_Surr_00070

Amount Added: 1.00

Units: uL

Run Reagent

G_8260_IS_00057

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G31968.D

Injection Date: 01-Jul-2014 19:03:30

Instrument ID: HP5973G

Operator ID: NQ

Lims ID: 480-62519-A-3

Lab Sample ID: 480-62519-3

Worklist Smp#: 23

Client ID: tripblank

Purge Vol: 5.000 mL

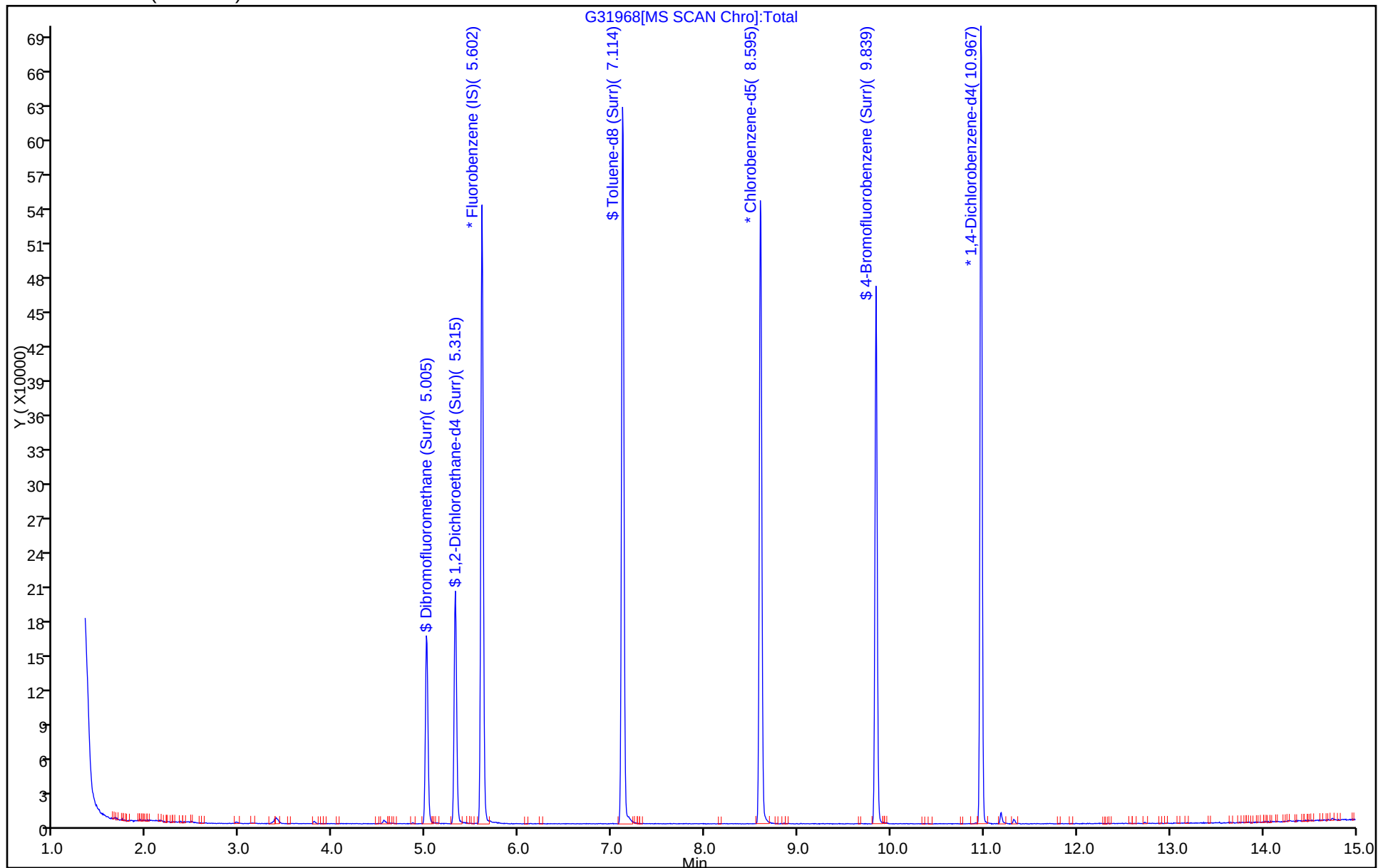
Dil. Factor: 1.0000

ALS Bottle#: 52

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1

SDG No.: _____

Client Sample ID: AZMW-7 Lab Sample ID: 480-62519-4

Matrix: Water Lab File ID: G31969.D

Analysis Method: 8260C Date Collected: 06/19/2014 16:15

Sample wt/vol: 5(mL) Date Analyzed: 07/01/2014 19:26

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 190745 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
591-78-6	2-Hexanone	ND		5.0	1.2
78-93-3	2-Butanone (MEK)	ND		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	0.45	J	1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1
 SDG No.: _____
 Client Sample ID: AZMW-7 Lab Sample ID: 480-62519-4
 Matrix: Water Lab File ID: G31969.D
 Analysis Method: 8260C Date Collected: 06/19/2014 16:15
 Sample wt/vol: 5(mL) Date Analyzed: 07/01/2014 19:26
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 190745 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	1.4		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		66-137
2037-26-5	Toluene-d8 (Surr)	92		71-126
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
1868-53-7	Dibromofluoromethane (Surr)	94		60-140

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1
SDG No.: _____
Client Sample ID: AZMW-7 Lab Sample ID: 480-62519-4
Matrix: Water Lab File ID: G31969.D
Analysis Method: 8260C Date Collected: 06/19/2014 16:15
Sample wt/vol: 5(mL) Date Analyzed: 07/01/2014 19:26
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 190745 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G31969.D
 Lims ID: 480-62519-A-4 Lab Sample ID: 480-62519-4
 Client ID: AZMW-7
 Sample Type: Client
 Inject. Date: 01-Jul-2014 19:26:30 ALS Bottle#: 53 Worklist Smp#: 24
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-62519-A-4
 Misc. Info.: 480-0033443-024 =480-0033443-024
 Operator ID: NQ Instrument ID: HP5973G
 Method: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 02-Jul-2014 10:07:56 Calib Date: 10-Jun-2014 21:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31265.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK003

First Level Reviewer: nguyendudziaknq

Date: 02-Jul-2014 10:07:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.602	5.602	0.000	98	95762	25.0	
* 2 Chlorobenzene-d5	82	8.595	8.595	0.000	87	198172	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.967	10.967	0.000	97	167208	25.0	
\$ 148 Dibromofluoromethane (Surr	113	5.004	5.005	-0.001	57	94748	23.6	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.315	5.316	-0.001	0	73149	24.8	
\$ 5 Toluene-d8 (Surr)	98	7.114	7.114	0.000	93	414976	23.1	
\$ 6 4-Bromofluorobenzene (Surr	174	9.839	9.839	0.000	83	116953	24.2	
10 Dichlorodifluoromethane	85		1.432				ND	
12 Chloromethane	50		1.585				ND	
13 Vinyl chloride	62		1.700				ND	
14 Bromomethane	94		1.993				ND	
15 Chloroethane	64		2.133				ND	
17 Trichlorofluoromethane	101		2.365				ND	
20 1,1-Dichloroethene	96		2.871				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.877				ND	
22 Acetone	43		2.944				ND	
24 Carbon disulfide	76		3.078				ND	
28 Methyl acetate	43		3.243				ND	
29 Methylene Chloride	84		3.383				ND	
31 Methyl tert-butyl ether	73		3.572				ND	
32 trans-1,2-Dichloroethene	96		3.584				ND	
36 1,1-Dichloroethane	63		3.993				ND	
43 cis-1,2-Dichloroethene	96		4.541				ND	
44 2-Butanone (MEK)	43		4.572				ND	
50 Chloroform	85	4.858	4.852	0.006	62	2364	0.4491	
51 1,1,1-Trichloroethane	97		4.980				ND	
52 Cyclohexane	56		5.005				ND	
53 Carbon tetrachloride	117		5.127				ND	
56 Benzene	78		5.334				ND	
57 1,2-Dichloroethane	62		5.389				ND	
61 Trichloroethene	95	5.955	5.944	0.011	78	6593	1.41	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		6.084				ND	
63 1,2-Dichloropropane	63		6.175				ND	
67 Dichlorobromomethane	83		6.462				ND	
72 cis-1,3-Dichloropropene	75		6.882				ND	
73 4-Methyl-2-pentanone (MIBK)	43		7.017				ND	
74 Toluene	92		7.181				ND	
76 trans-1,3-Dichloropropene	75		7.443				ND	
79 1,1,2-Trichloroethane	83		7.632				ND	
80 Tetrachloroethene	166		7.724				ND	
82 2-Hexanone	43		7.858				ND	
83 Chlorodibromomethane	129		8.035				ND	
84 Ethylene Dibromide	107		8.138				ND	
86 Chlorobenzene	112		8.626				ND	
89 Ethylbenzene	91		8.723				ND	
90 m-Xylene & p-Xylene	106		8.845				ND	
91 o-Xylene	106		9.272				ND	
92 Styrene	104		9.297				ND	
93 Bromoform	173		9.534				ND	
95 Isopropylbenzene	105		9.650				ND	
98 1,1,2,2-Tetrachloroethane	83		10.022				ND	
110 1,3-Dichlorobenzene	146		10.906				ND	
113 1,4-Dichlorobenzene	146		10.991				ND	
116 1,2-Dichlorobenzene	146		11.339				ND	
117 1,2-Dibromo-3-Chloropropan	75		12.058				ND	
119 1,2,4-Trichlorobenzene	180		12.747				ND	
S 124 Xylenes, Total	1		30.000				0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

G_8260_Surr_00070

Amount Added: 1.00

Units: uL

Run Reagent

G_8260_IS_00057

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G31969.D

Injection Date: 01-Jul-2014 19:26:30

Instrument ID: HP5973G

Operator ID: NQ

Lims ID: 480-62519-A-4

Lab Sample ID: 480-62519-4

Worklist Smp#: 24

Client ID: AZMW-7

Purge Vol: 5.000 mL

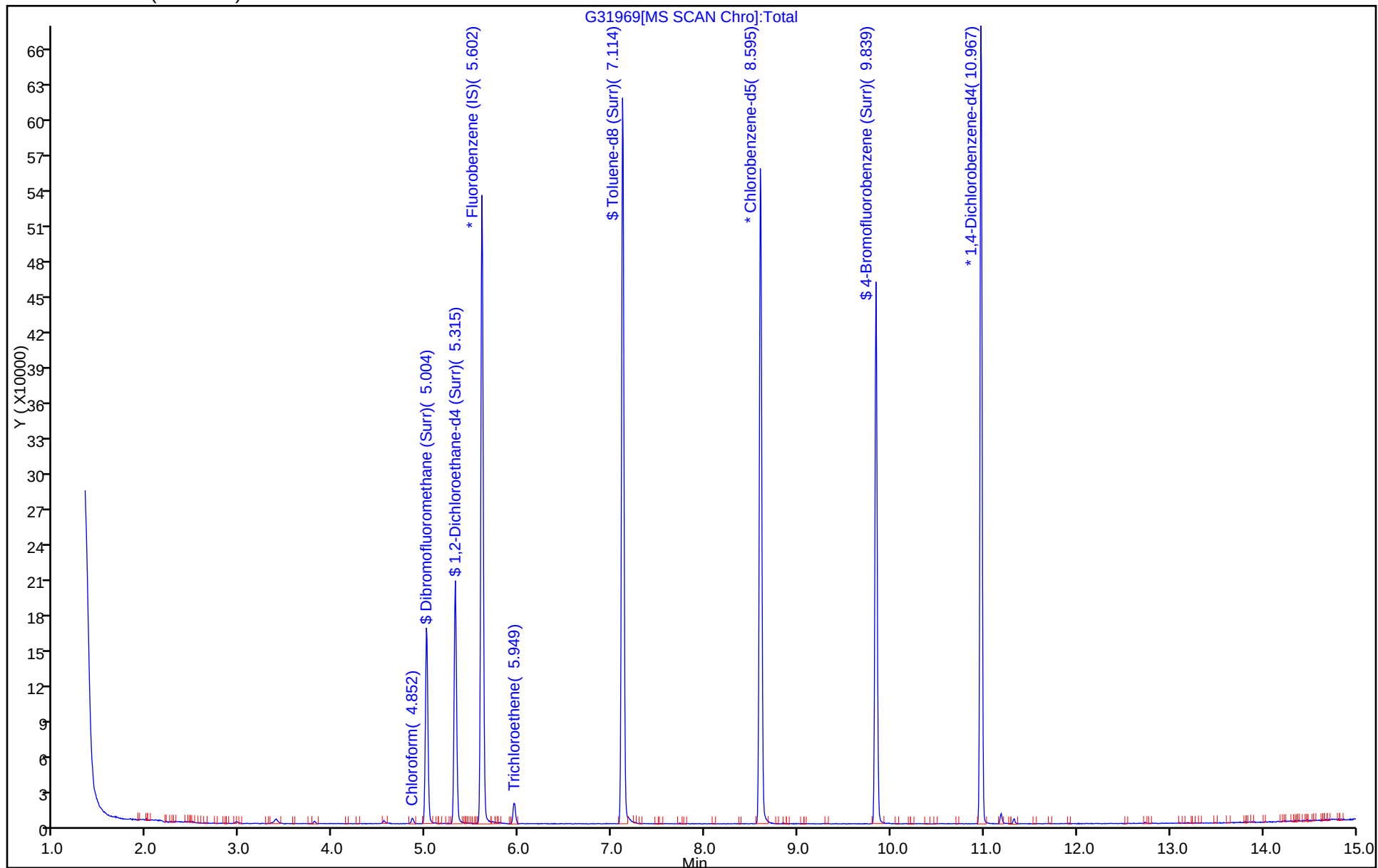
Dil. Factor: 1.0000

ALS Bottle#: 53

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G31969.D

Injection Date: 01-Jul-2014 19:26:30

Instrument ID: HP5973G

Lims ID: 480-62519-A-4

Lab Sample ID: 480-62519-4

Client ID: AZMW-7

Operator ID: NQ

ALS Bottle#: 53

Worklist Smp#: 24

Purge Vol: 5.000 mL

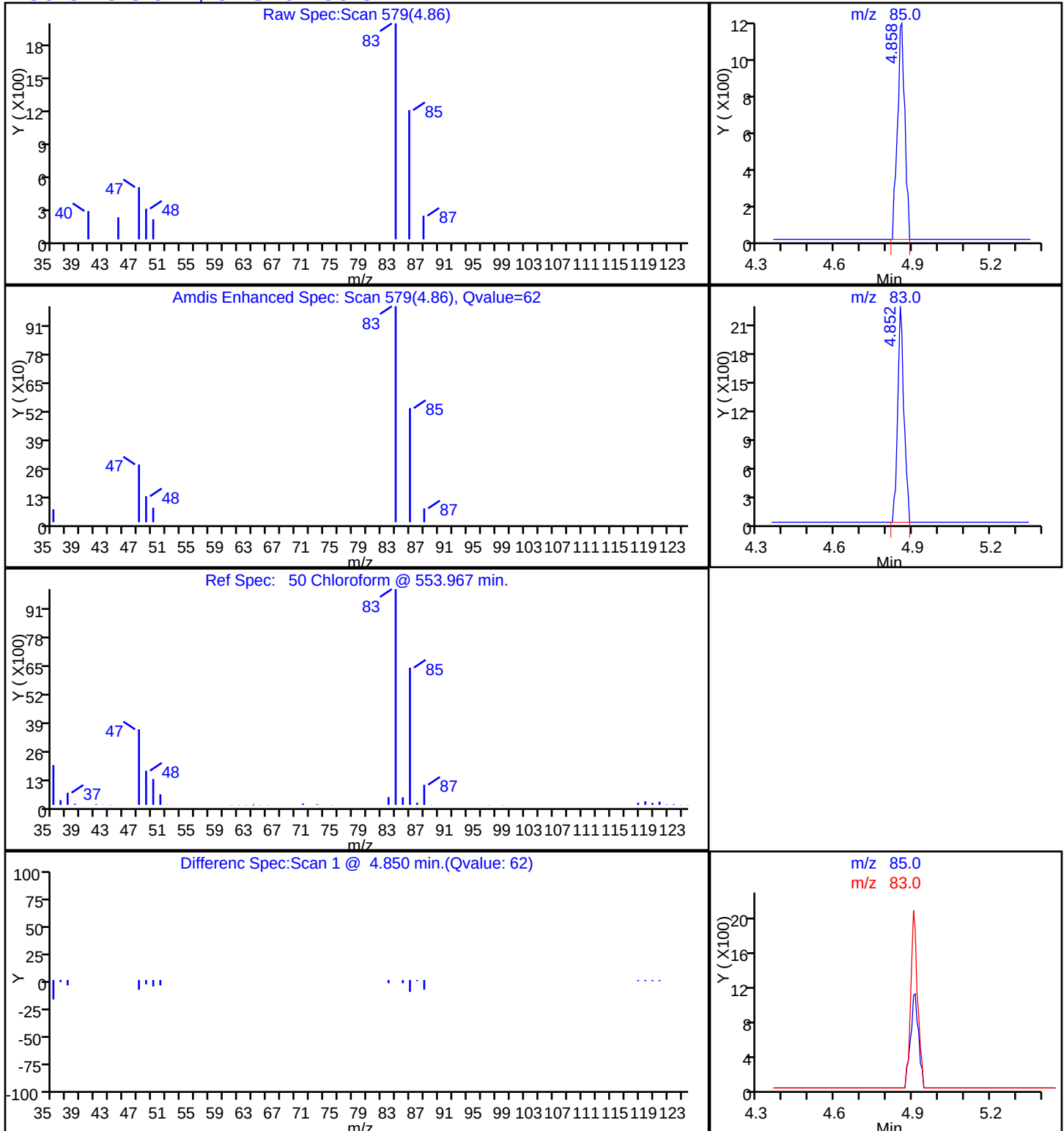
Dil. Factor: 1.0000

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

50 Chloroform, CAS: 67-66-3

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G31969.D

Injection Date: 01-Jul-2014 19:26:30

Instrument ID: HP5973G

Lims ID: 480-62519-A-4

Lab Sample ID: 480-62519-4

Client ID: AZMW-7

Operator ID: NQ

ALS Bottle#: 53

Worklist Smp#: 24

Purge Vol: 5.000 mL

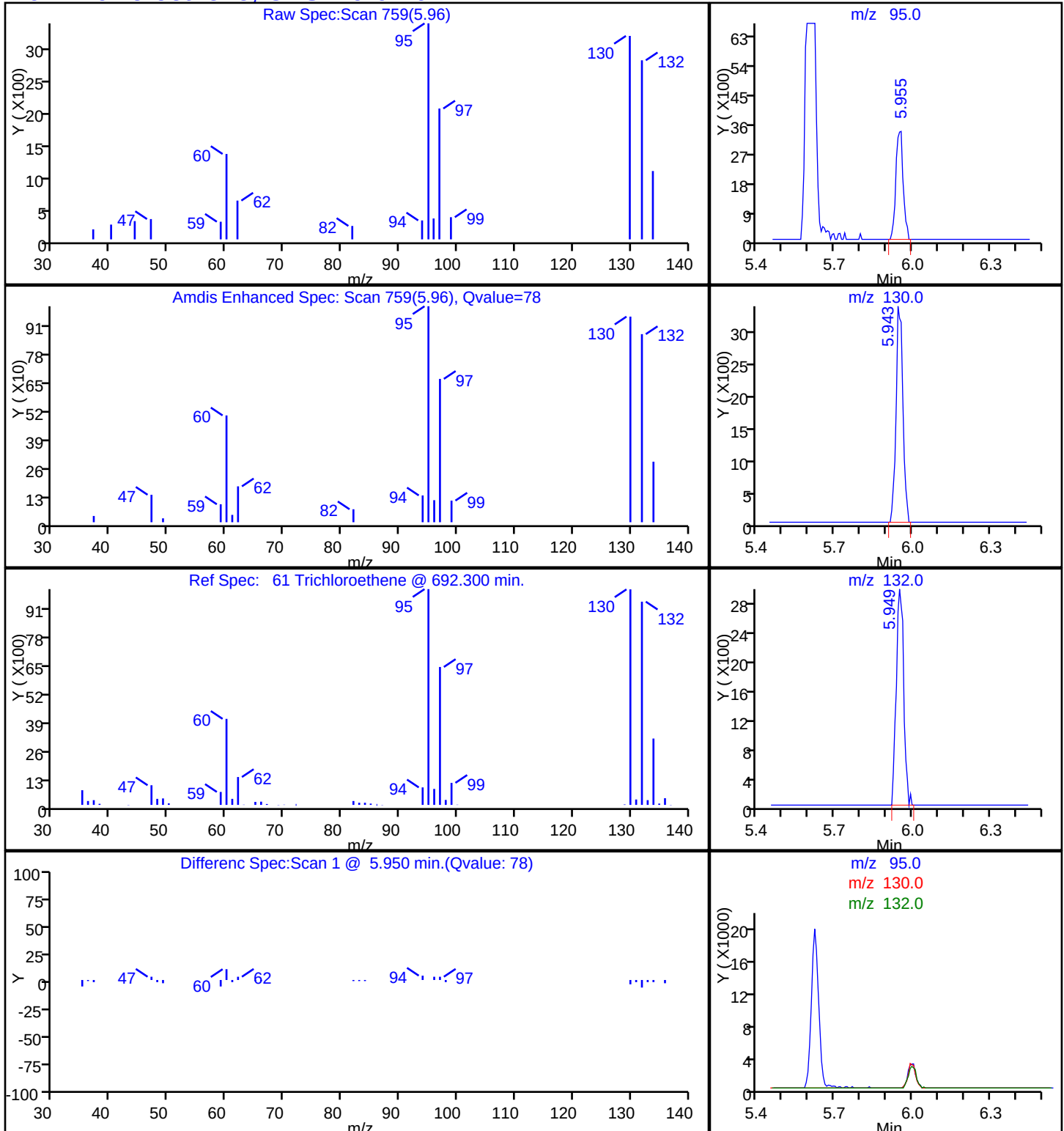
Dil. Factor: 1.0000

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

61 Trichloroethene, CAS: 79-01-6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1

SDG No.: _____

Client Sample ID: AZMW-8 Lab Sample ID: 480-62519-5

Matrix: Water Lab File ID: G31970.D

Analysis Method: 8260C Date Collected: 06/19/2014 16:45

Sample wt/vol: 5(mL) Date Analyzed: 07/01/2014 19:49

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 190745 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
591-78-6	2-Hexanone	ND		5.0	1.2
78-93-3	2-Butanone (MEK)	ND		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	3.5		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1
 SDG No.: _____
 Client Sample ID: AZMW-8 Lab Sample ID: 480-62519-5
 Matrix: Water Lab File ID: G31970.D
 Analysis Method: 8260C Date Collected: 06/19/2014 16:45
 Sample wt/vol: 5(mL) Date Analyzed: 07/01/2014 19:49
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 190745 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		66-137
2037-26-5	Toluene-d8 (Surr)	96		71-126
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
1868-53-7	Dibromofluoromethane (Surr)	96		60-140

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1
SDG No.: _____
Client Sample ID: AZMW-8 Lab Sample ID: 480-62519-5
Matrix: Water Lab File ID: G31970.D
Analysis Method: 8260C Date Collected: 06/19/2014 16:45
Sample wt/vol: 5(mL) Date Analyzed: 07/01/2014 19:49
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 190745 Units: ug/L
Number TICs Found: 1 TIC Result Total: 45

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	
67-63-0	Isopropyl alcohol	3.13	45	

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G31970.D
 Lims ID: 480-62519-A-5 Lab Sample ID: 480-62519-5
 Client ID: AZMW-8
 Sample Type: Client
 Inject. Date: 01-Jul-2014 19:49:30 ALS Bottle#: 54 Worklist Smp#: 25
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-62519-A-5
 Misc. Info.: 480-0033443-025 =480-0033443-025
 Operator ID: NQ Instrument ID: HP5973G
 Method: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 02-Jul-2014 10:08:15 Calib Date: 10-Jun-2014 21:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31265.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK003

First Level Reviewer: nguyendudziaknq

Date: 02-Jul-2014 10:08:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.602	5.602	0.000	98	94718	25.0	
* 2 Chlorobenzene-d5	82	8.595	8.595	0.000	87	193932	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.967	10.967	0.000	98	164108	25.0	
\$ 148 Dibromofluoromethane (Surr	113	5.005	5.005	0.000	57	95460	24.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.315	5.316	-0.001	0	72172	24.7	
\$ 5 Toluene-d8 (Surr)	98	7.114	7.114	0.000	93	422604	24.0	
\$ 6 4-Bromofluorobenzene (Surr	174	9.839	9.839	0.000	83	115499	24.4	
10 Dichlorodifluoromethane	85		1.432				ND	
12 Chloromethane	50		1.585				ND	
13 Vinyl chloride	62		1.700				ND	
14 Bromomethane	94		1.993				ND	
15 Chloroethane	64		2.133				ND	
17 Trichlorofluoromethane	101		2.365				ND	
20 1,1-Dichloroethene	96		2.871				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.877				ND	
22 Acetone	43		2.944				ND	
24 Carbon disulfide	76		3.078				ND	
28 Methyl acetate	43		3.243				ND	
29 Methylene Chloride	84		3.383				ND	
31 Methyl tert-butyl ether	73		3.572				ND	
32 trans-1,2-Dichloroethene	96		3.584				ND	
36 1,1-Dichloroethane	63		3.993				ND	
43 cis-1,2-Dichloroethene	96		4.541				ND	
44 2-Butanone (MEK)	43		4.572				ND	
50 Chloroform	85	4.852	4.852	0.000	79	18162	3.49	
51 1,1,1-Trichloroethane	97		4.980				ND	
52 Cyclohexane	56		5.005				ND	
53 Carbon tetrachloride	117		5.127				ND	
56 Benzene	78		5.334				ND	
57 1,2-Dichloroethane	62		5.389				ND	
61 Trichloroethene	95		5.944				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		6.084				ND	
63 1,2-Dichloropropane	63		6.175				ND	
67 Dichlorobromomethane	83		6.462				ND	
72 cis-1,3-Dichloropropene	75		6.882				ND	
73 4-Methyl-2-pentanone (MIBK)	43		7.017				ND	
74 Toluene	92		7.181				ND	
76 trans-1,3-Dichloropropene	75		7.443				ND	
79 1,1,2-Trichloroethane	83		7.632				ND	
80 Tetrachloroethene	166		7.724				ND	
82 2-Hexanone	43		7.858				ND	
83 Chlorodibromomethane	129		8.035				ND	
84 Ethylene Dibromide	107		8.138				ND	
86 Chlorobenzene	112		8.626				ND	
89 Ethylbenzene	91		8.723				ND	
90 m-Xylene & p-Xylene	106		8.845				ND	
91 o-Xylene	106		9.272				ND	
92 Styrene	104		9.297				ND	
93 Bromoform	173		9.534				ND	
95 Isopropylbenzene	105		9.650				ND	
98 1,1,2,2-Tetrachloroethane	83		10.022				ND	
110 1,3-Dichlorobenzene	146		10.906				ND	
113 1,4-Dichlorobenzene	146		10.991				ND	
116 1,2-Dichlorobenzene	146		11.339				ND	
117 1,2-Dibromo-3-Chloropropan	75		12.058				ND	
119 1,2,4-Trichlorobenzene	180		12.747				ND	
S 124 Xylenes, Total	1		30.000				0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

G_8260_Surr_00070

Amount Added: 1.00

Units: uL

Run Reagent

G_8260_IS_00057

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo
Tentatively Identified Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G31970.D
Lims ID: 480-62519-A-5 Lab Sample ID: 480-62519-5
Client ID: AZMW-8
Sample Type: Client
Inject. Date: 01-Jul-2014 19:49:30 ALS Bottle#: 54 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-62519-A-5
Misc. Info.: 480-0033443-025 =480-0033443-025
Operator ID: NQ Instrument ID: HP5973G
Method: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 02-Jul-2014 10:08:15 Calib Date: 10-Jun-2014 21:12:30
Tic RT Window: 1.500 -0.000 Response: area
Quant By: Nearest ISTD Quant LOD: 10.00000
MS Library: \\Bufchrom\ChromData\Database\NIST98.L
Min. Match: 85
Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK003

First Level Reviewer: nguyendudziakng

Date: 02-Jul-2014 10:08:15

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/L	Flags
Isopropyl alcohol	3.133	17124	44.7	
t-Amyl alcohol	5.395	610	1.05	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

G_8260_Surr_00070	Amount Added: 1.00	Units: uL	Run Reagent
G_8260_IS_00057	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G31970.D

Injection Date: 01-Jul-2014 19:49:30

Instrument ID: HP5973G

Operator ID: NQ

Lims ID: 480-62519-A-5

Lab Sample ID: 480-62519-5

Worklist Smp#: 25

Client ID: AZMW-8

Purge Vol: 5.000 mL

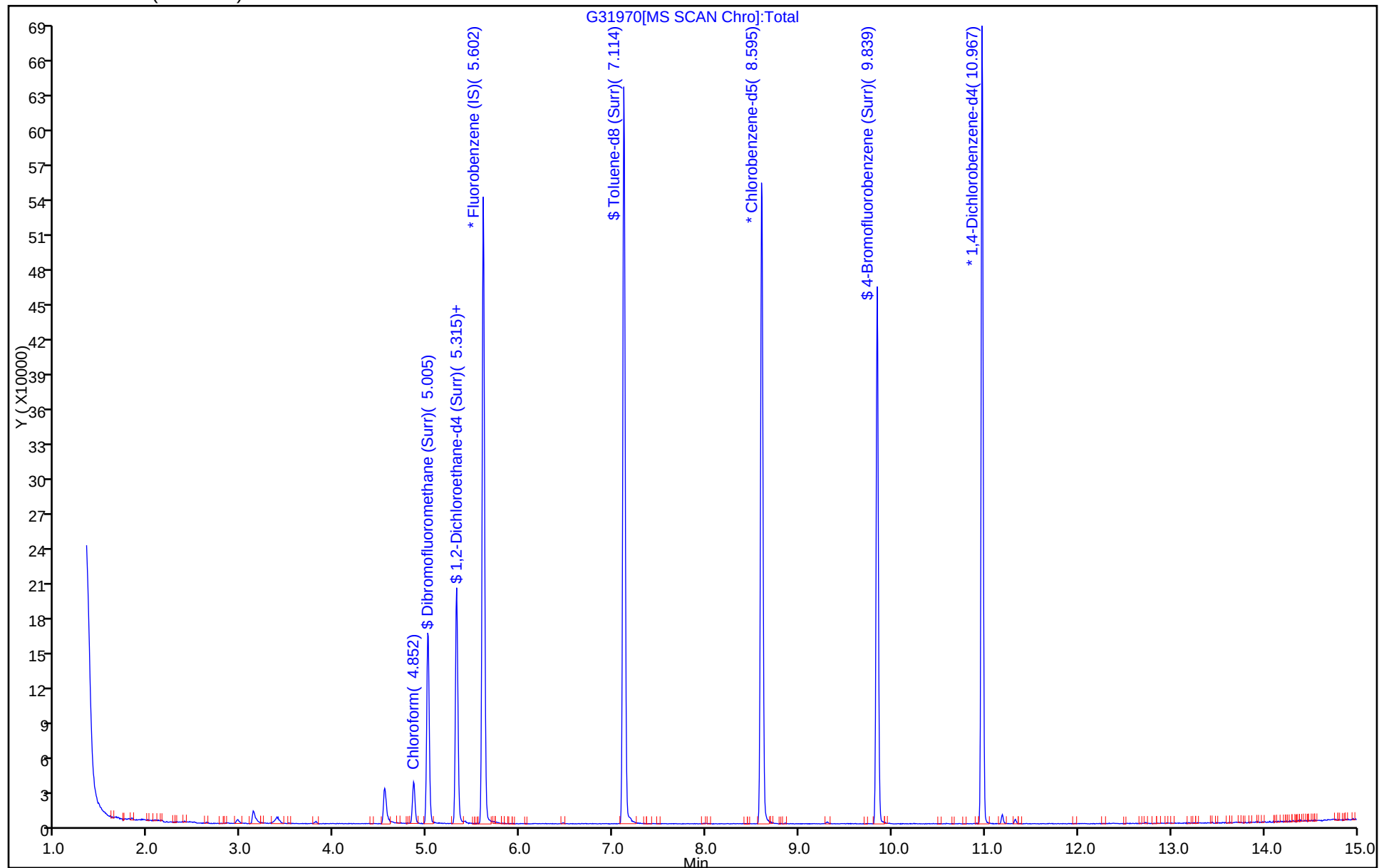
Dil. Factor: 1.0000

ALS Bottle#: 54

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G31970.D

Injection Date: 01-Jul-2014 19:49:30

Instrument ID: HP5973G

Lims ID: 480-62519-A-5

Lab Sample ID: 480-62519-5

Client ID: AZMW-8

Operator ID: NQ

ALS Bottle#: 54

Worklist Smp#: 25

Purge Vol: 5.000 mL

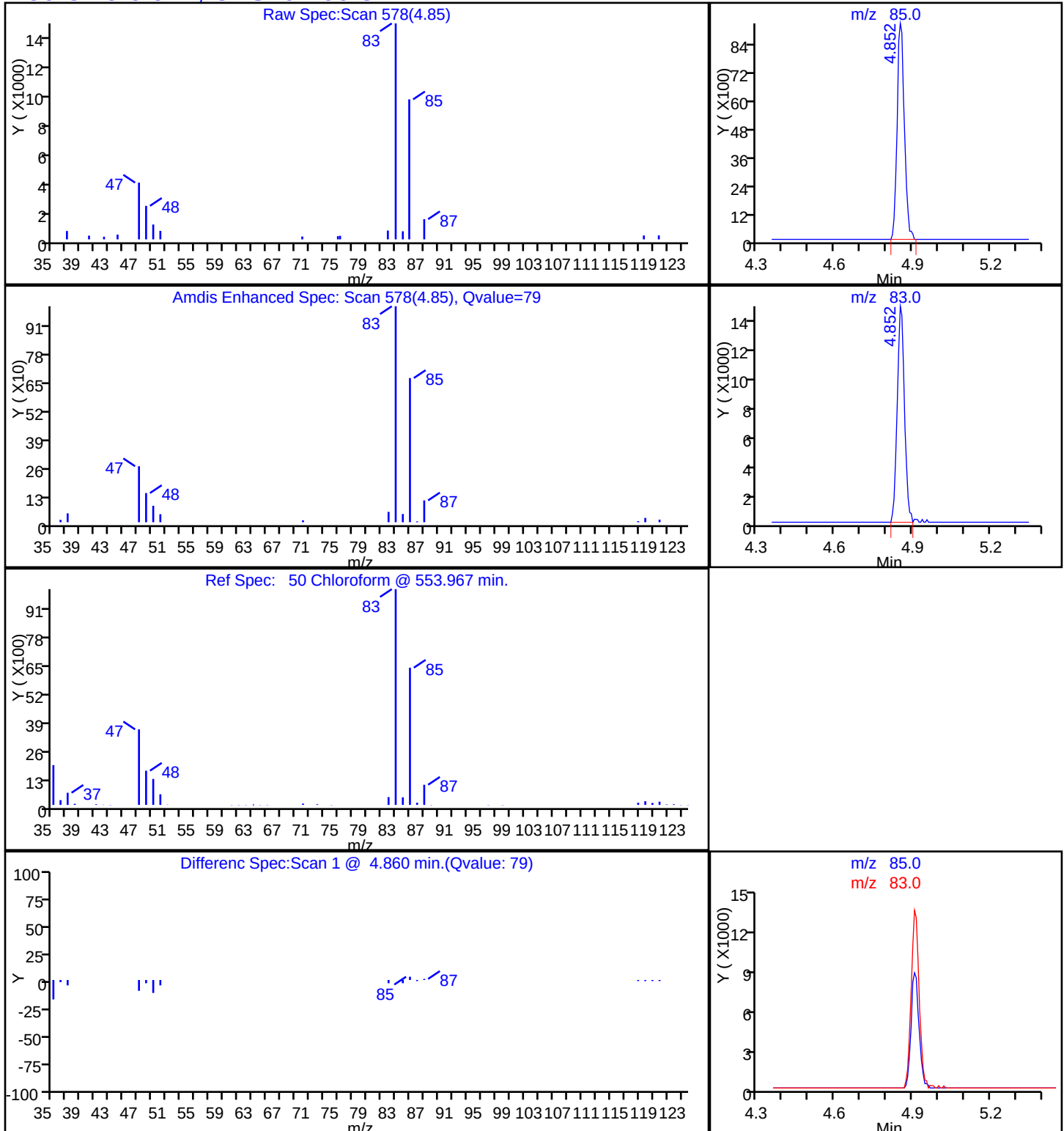
Dil. Factor: 1.0000

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

50 Chloroform, CAS: 67-66-3

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G31970.D

Injection Date: 01-Jul-2014 19:49:30

Instrument ID: HP5973G

Lims ID: 480-62519-A-5

Lab Sample ID: 480-62519-5

Client ID: AZMW-8

Operator ID: NQ

ALS Bottle#: 54

Worklist Smp#: 25

Purge Vol: 5.000 mL

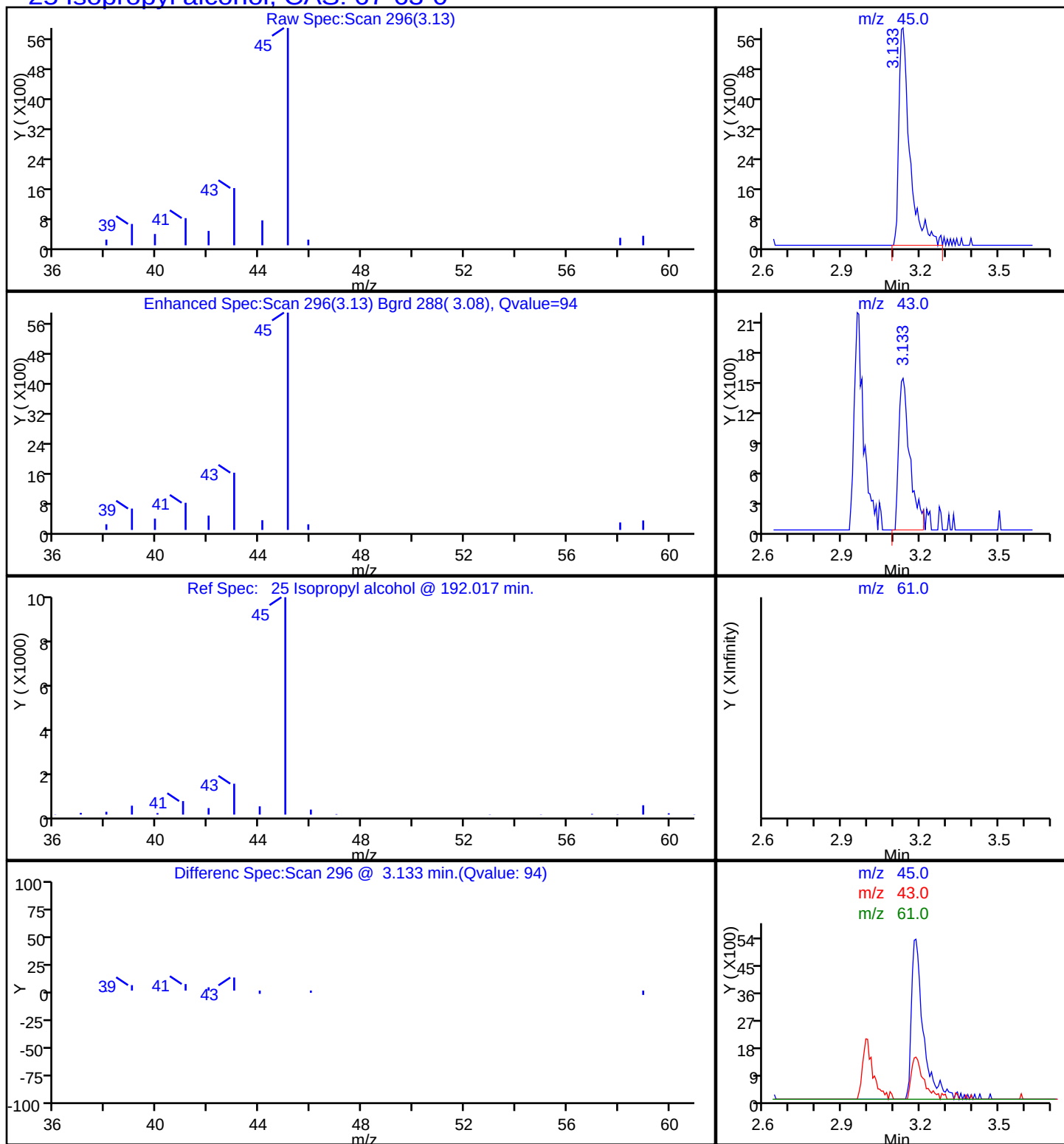
Dil. Factor: 1.0000

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

25 Isopropyl alcohol, CAS: 67-63-0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1

SDG No.: _____

Client Sample ID: AZMW-3 Lab Sample ID: 480-62519-6

Matrix: Water Lab File ID: G31971.D

Analysis Method: 8260C Date Collected: 06/20/2014 09:00

Sample wt/vol: 5(mL) Date Analyzed: 07/01/2014 20:12

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 190745 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
591-78-6	2-Hexanone	ND		5.0	1.2
78-93-3	2-Butanone (MEK)	ND		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	2.6		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1
 SDG No.: _____
 Client Sample ID: AZMW-3 Lab Sample ID: 480-62519-6
 Matrix: Water Lab File ID: G31971.D
 Analysis Method: 8260C Date Collected: 06/20/2014 09:00
 Sample wt/vol: 5(mL) Date Analyzed: 07/01/2014 20:12
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 190745 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	1.9		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		66-137
2037-26-5	Toluene-d8 (Surr)	95		71-126
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
1868-53-7	Dibromofluoromethane (Surr)	94		60-140

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1
SDG No.: _____
Client Sample ID: AZMW-3 Lab Sample ID: 480-62519-6
Matrix: Water Lab File ID: G31971.D
Analysis Method: 8260C Date Collected: 06/20/2014 09:00
Sample wt/vol: 5(mL) Date Analyzed: 07/01/2014 20:12
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 190745 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G31971.D
 Lims ID: 480-62519-A-6 Lab Sample ID: 480-62519-6
 Client ID: AZMW-3
 Sample Type: Client
 Inject. Date: 01-Jul-2014 20:12:30 ALS Bottle#: 55 Worklist Smp#: 26
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-62519-A-6
 Misc. Info.: 480-0033443-026 =480-0033443-026
 Operator ID: NQ Instrument ID: HP5973G
 Method: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 02-Jul-2014 10:08:35 Calib Date: 10-Jun-2014 21:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31265.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK003

First Level Reviewer: nguyendudziaknq

Date: 02-Jul-2014 10:08:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.602	5.602	0.000	98	96380	25.0	
* 2 Chlorobenzene-d5	82	8.595	8.595	0.000	88	195688	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.973	10.967	0.006	97	165669	25.0	
\$ 148 Dibromofluoromethane (Surr	113	5.005	5.005	0.000	58	94907	23.5	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.315	5.316	-0.001	0	73731	24.8	
\$ 5 Toluene-d8 (Surr)	98	7.114	7.114	0.000	93	419612	23.6	
\$ 6 4-Bromofluorobenzene (Surr	174	9.839	9.839	0.000	82	116235	24.4	
10 Dichlorodifluoromethane	85		1.432				ND	
12 Chloromethane	50		1.585				ND	
13 Vinyl chloride	62		1.700				ND	
14 Bromomethane	94		1.993				ND	
15 Chloroethane	64		2.133				ND	
17 Trichlorofluoromethane	101		2.365				ND	
20 1,1-Dichloroethene	96		2.871				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.877				ND	
22 Acetone	43		2.944				ND	
24 Carbon disulfide	76		3.078				ND	
28 Methyl acetate	43		3.243				ND	
29 Methylene Chloride	84		3.383				ND	
31 Methyl tert-butyl ether	73		3.572				ND	
32 trans-1,2-Dichloroethene	96		3.584				ND	
36 1,1-Dichloroethane	63		3.993				ND	
43 cis-1,2-Dichloroethene	96		4.541				ND	
44 2-Butanone (MEK)	43		4.572				ND	
50 Chloroform	85	4.852	4.852	0.000	79	13775	2.60	
51 1,1,1-Trichloroethane	97		4.980				ND	
52 Cyclohexane	56		5.005				ND	
53 Carbon tetrachloride	117		5.127				ND	
56 Benzene	78		5.334				ND	
57 1,2-Dichloroethane	62		5.389				ND	
61 Trichloroethene	95	5.950	5.944	0.006	89	8776	1.87	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		6.084				ND	
63 1,2-Dichloropropane	63		6.175				ND	
67 Dichlorobromomethane	83		6.462				ND	
72 cis-1,3-Dichloropropene	75		6.882				ND	
73 4-Methyl-2-pentanone (MIBK)	43		7.017				ND	
74 Toluene	92		7.181				ND	
76 trans-1,3-Dichloropropene	75		7.443				ND	
79 1,1,2-Trichloroethane	83		7.632				ND	
80 Tetrachloroethene	166		7.724				ND	
82 2-Hexanone	43		7.858				ND	
83 Chlorodibromomethane	129		8.035				ND	
84 Ethylene Dibromide	107		8.138				ND	
86 Chlorobenzene	112		8.626				ND	
89 Ethylbenzene	91		8.723				ND	
90 m-Xylene & p-Xylene	106		8.845				ND	
91 o-Xylene	106		9.272				ND	
92 Styrene	104		9.297				ND	
93 Bromoform	173		9.534				ND	
95 Isopropylbenzene	105		9.650				ND	
98 1,1,2,2-Tetrachloroethane	83		10.022				ND	
110 1,3-Dichlorobenzene	146		10.906				ND	
113 1,4-Dichlorobenzene	146		10.991				ND	
116 1,2-Dichlorobenzene	146		11.339				ND	
117 1,2-Dibromo-3-Chloropropan	75		12.058				ND	
119 1,2,4-Trichlorobenzene	180		12.747				ND	
S 124 Xylenes, Total	1		30.000				0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

G_8260_Surr_00070

Amount Added: 1.00

Units: uL

Run Reagent

G_8260_IS_00057

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G31971.D

Injection Date: 01-Jul-2014 20:12:30

Instrument ID: HP5973G

Operator ID: NQ

Lims ID: 480-62519-A-6

Lab Sample ID: 480-62519-6

Worklist Smp#: 26

Client ID: AZMW-3

Purge Vol: 5.000 mL

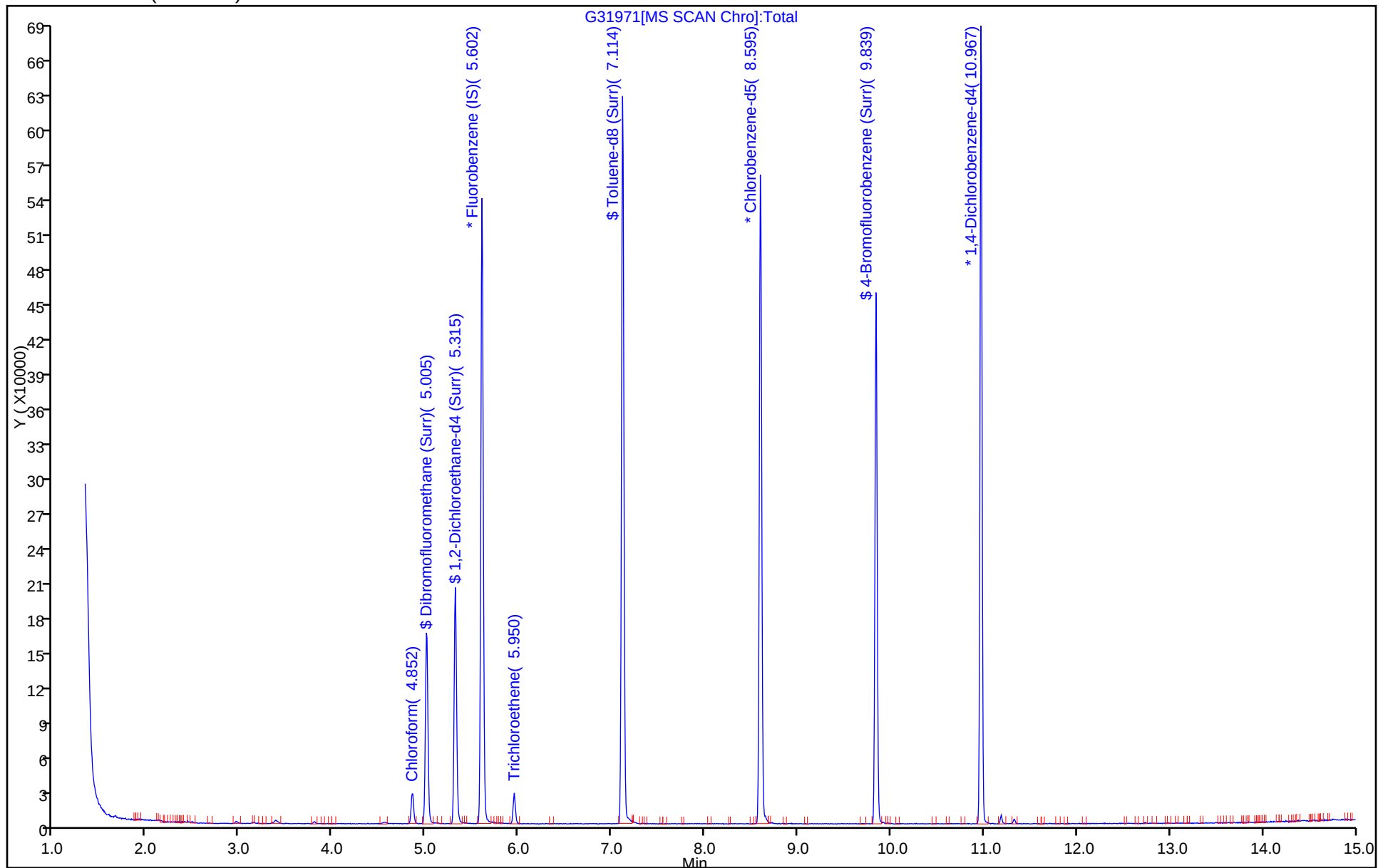
Dil. Factor: 1.0000

ALS Bottle#: 55

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G31971.D

Injection Date: 01-Jul-2014 20:12:30

Instrument ID: HP5973G

Lims ID: 480-62519-A-6

Lab Sample ID: 480-62519-6

Client ID: AZMW-3

Operator ID: NQ

ALS Bottle#: 55

Worklist Smp#: 26

Purge Vol: 5.000 mL

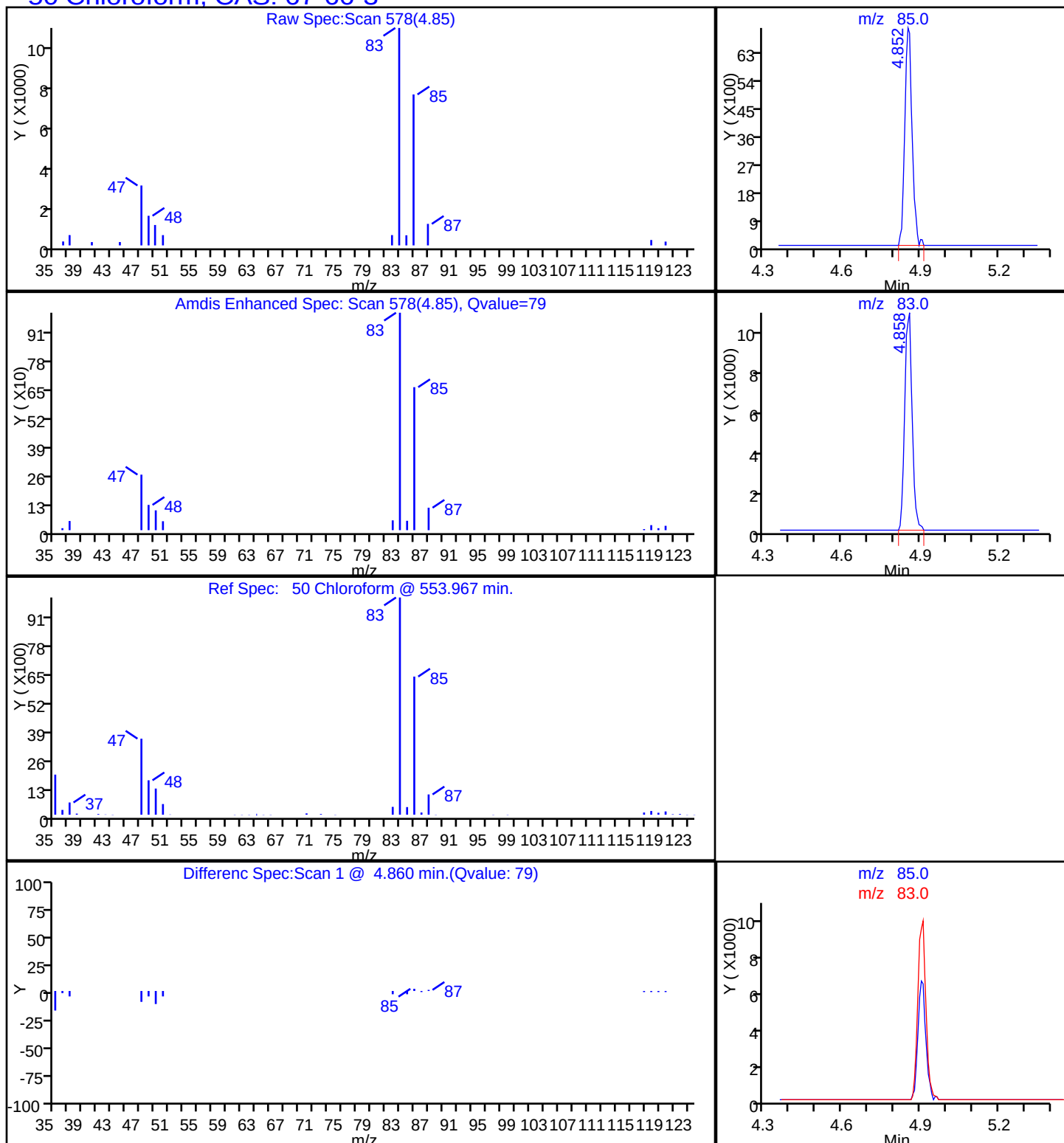
Dil. Factor: 1.0000

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

50 Chloroform, CAS: 67-66-3

TestAmerica Buffalo

Data File: \\Bufchrom\\ChromData\\HP5973G\\20140701-33443.b\\G31971.D

Injection Date: 01-Jul-2014 20:12:30

Instrument ID: HP5973G

Lims ID: 480-62519-A-6

Lab Sample ID: 480-62519-6

Client ID: AZMW-3

Operator ID: NQ

ALS Bottle#: 55

Worklist Smp#: 26

Purge Vol: 5.000 mL

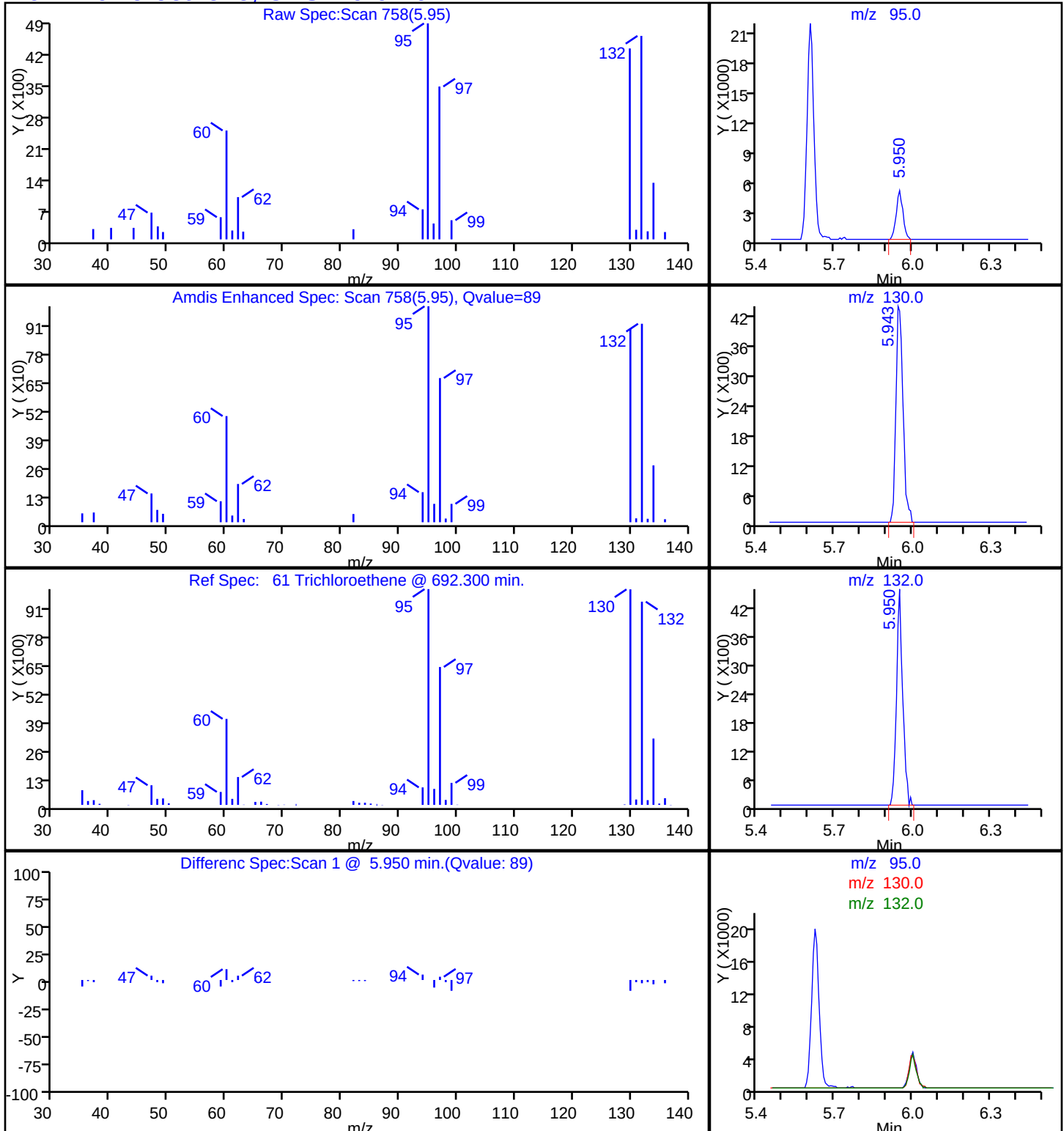
Dil. Factor: 1.0000

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

61 Trichloroethene, CAS: 79-01-6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1

SDG No.: _____

Client Sample ID: AZMW-4 Lab Sample ID: 480-62519-7

Matrix: Water Lab File ID: G31972.D

Analysis Method: 8260C Date Collected: 06/19/2014 18:15

Sample wt/vol: 5(mL) Date Analyzed: 07/01/2014 20:35

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 190745 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
591-78-6	2-Hexanone	ND		5.0	1.2
78-93-3	2-Butanone (MEK)	ND		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	0.82	J	1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1
 SDG No.: _____
 Client Sample ID: AZMW-4 Lab Sample ID: 480-62519-7
 Matrix: Water Lab File ID: G31972.D
 Analysis Method: 8260C Date Collected: 06/19/2014 18:15
 Sample wt/vol: 5(mL) Date Analyzed: 07/01/2014 20:35
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 190745 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	1.4		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		66-137
2037-26-5	Toluene-d8 (Surr)	96		71-126
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
1868-53-7	Dibromofluoromethane (Surr)	96		60-140

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1
SDG No.: _____
Client Sample ID: AZMW-4 Lab Sample ID: 480-62519-7
Matrix: Water Lab File ID: G31972.D
Analysis Method: 8260C Date Collected: 06/19/2014 18:15
Sample wt/vol: 5(mL) Date Analyzed: 07/01/2014 20:35
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 190745 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G31972.D
 Lims ID: 480-62519-A-7 Lab Sample ID: 480-62519-7
 Client ID: AZMW-4
 Sample Type: Client
 Inject. Date: 01-Jul-2014 20:35:30 ALS Bottle#: 56 Worklist Smp#: 27
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-62519-A-7
 Misc. Info.: 480-0033443-027 =480-0033443-027
 Operator ID: NQ Instrument ID: HP5973G
 Method: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 02-Jul-2014 10:08:59 Calib Date: 10-Jun-2014 21:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31265.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK003

First Level Reviewer: nguyendudziaknq

Date: 02-Jul-2014 10:08:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.602	5.602	0.000	98	95083	25.0	
* 2 Chlorobenzene-d5	82	8.595	8.595	0.000	87	195938	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.973	10.967	0.006	97	162814	25.0	
\$ 148 Dibromofluoromethane (Surr	113	5.005	5.005	-0.001	57	95324	23.9	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.315	5.316	-0.001	0	74243	25.4	
\$ 5 Toluene-d8 (Surr)	98	7.114	7.114	0.000	93	426203	24.0	
\$ 6 4-Bromofluorobenzene (Surr	174	9.845	9.839	0.006	84	116314	24.3	
10 Dichlorodifluoromethane	85		1.432				ND	
12 Chloromethane	50		1.585				ND	
13 Vinyl chloride	62		1.700				ND	
14 Bromomethane	94		1.993				ND	
15 Chloroethane	64		2.133				ND	
17 Trichlorofluoromethane	101		2.365				ND	
20 1,1-Dichloroethene	96		2.871				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.877				ND	
22 Acetone	43		2.944				ND	
24 Carbon disulfide	76		3.078				ND	
28 Methyl acetate	43		3.243				ND	
29 Methylene Chloride	84		3.383				ND	
31 Methyl tert-butyl ether	73		3.572				ND	
32 trans-1,2-Dichloroethene	96		3.584				ND	
36 1,1-Dichloroethane	63		3.993				ND	
43 cis-1,2-Dichloroethene	96		4.541				ND	
44 2-Butanone (MEK)	43		4.572				ND	
50 Chloroform	85	4.852	4.852	0.000	66	4306	0.8239	
51 1,1,1-Trichloroethane	97		4.980				ND	
52 Cyclohexane	56		5.005				ND	
53 Carbon tetrachloride	117		5.127				ND	
56 Benzene	78		5.334				ND	
57 1,2-Dichloroethane	62		5.389				ND	
61 Trichloroethene	95	5.949	5.944	0.005	78	6498	1.40	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		6.084				ND	
63 1,2-Dichloropropane	63		6.175				ND	
67 Dichlorobromomethane	83		6.462				ND	
72 cis-1,3-Dichloropropene	75		6.882				ND	
73 4-Methyl-2-pentanone (MIBK)	43		7.017				ND	
74 Toluene	92		7.181				ND	
76 trans-1,3-Dichloropropene	75		7.443				ND	
79 1,1,2-Trichloroethane	83		7.632				ND	
80 Tetrachloroethene	166		7.724				ND	
82 2-Hexanone	43		7.858				ND	
83 Chlorodibromomethane	129		8.035				ND	
84 Ethylene Dibromide	107		8.138				ND	
86 Chlorobenzene	112		8.626				ND	
89 Ethylbenzene	91		8.723				ND	
90 m-Xylene & p-Xylene	106		8.845				ND	
91 o-Xylene	106		9.272				ND	
92 Styrene	104		9.297				ND	
93 Bromoform	173		9.534				ND	
95 Isopropylbenzene	105		9.650				ND	
98 1,1,2,2-Tetrachloroethane	83		10.022				ND	
110 1,3-Dichlorobenzene	146		10.906				ND	
113 1,4-Dichlorobenzene	146		10.991				ND	
116 1,2-Dichlorobenzene	146		11.339				ND	
117 1,2-Dibromo-3-Chloropropan	75		12.058				ND	
119 1,2,4-Trichlorobenzene	180		12.747				ND	
S 124 Xylenes, Total	1		30.000				0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

G_8260_Surr_00070

Amount Added: 1.00

Units: uL

Run Reagent

G_8260_IS_00057

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G31972.D

Injection Date: 01-Jul-2014 20:35:30

Instrument ID: HP5973G

Operator ID: NQ

Lims ID: 480-62519-A-7

Lab Sample ID: 480-62519-7

Worklist Smp#: 27

Client ID: AZMW-4

Purge Vol: 5.000 mL

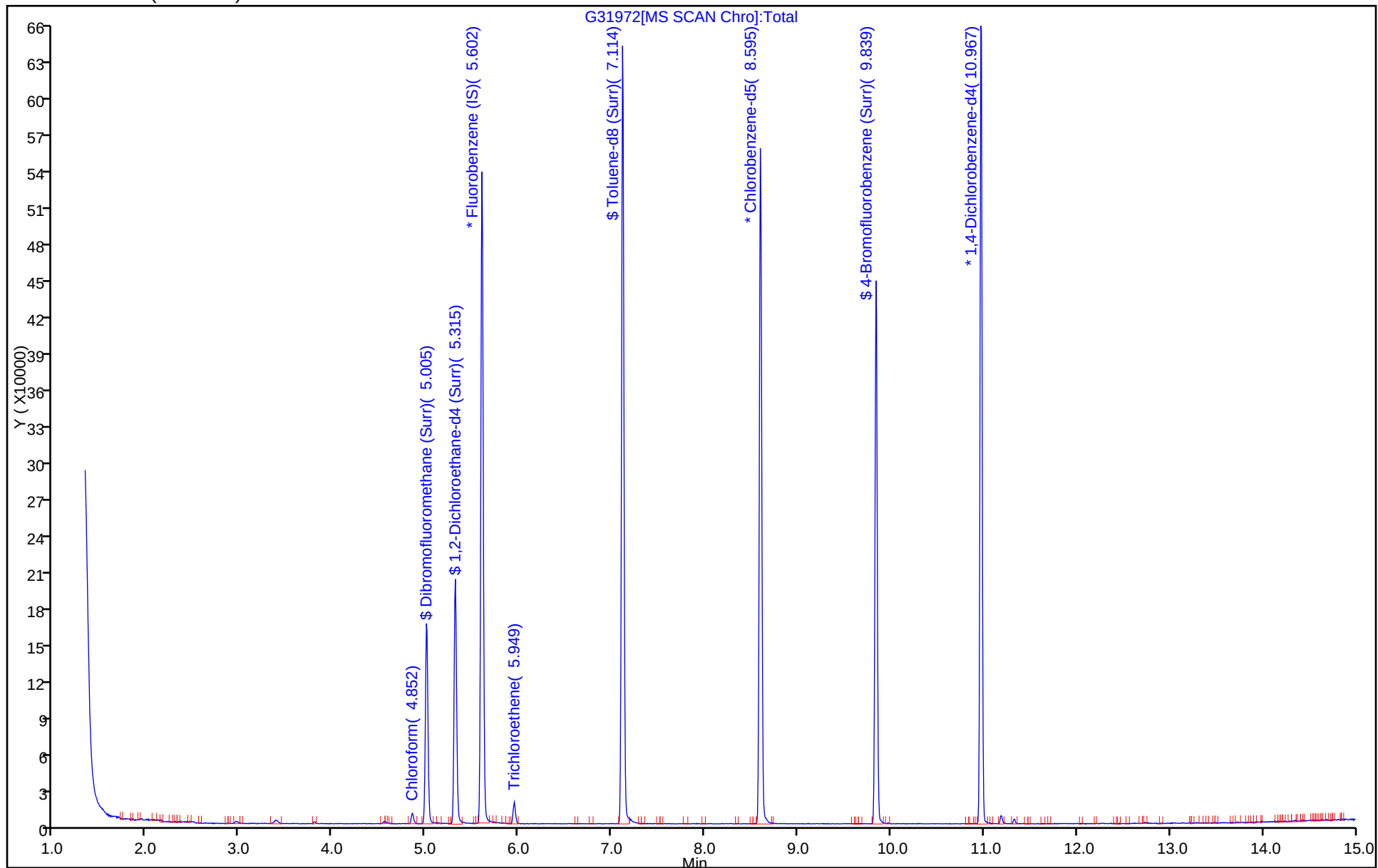
Dil. Factor: 1.0000

ALS Bottle#: 56

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G31972.D

Injection Date: 01-Jul-2014 20:35:30

Instrument ID: HP5973G

Lims ID: 480-62519-A-7

Lab Sample ID: 480-62519-7

Client ID: AZMW-4

Operator ID: NQ

ALS Bottle#: 56

Worklist Smp#: 27

Purge Vol: 5.000 mL

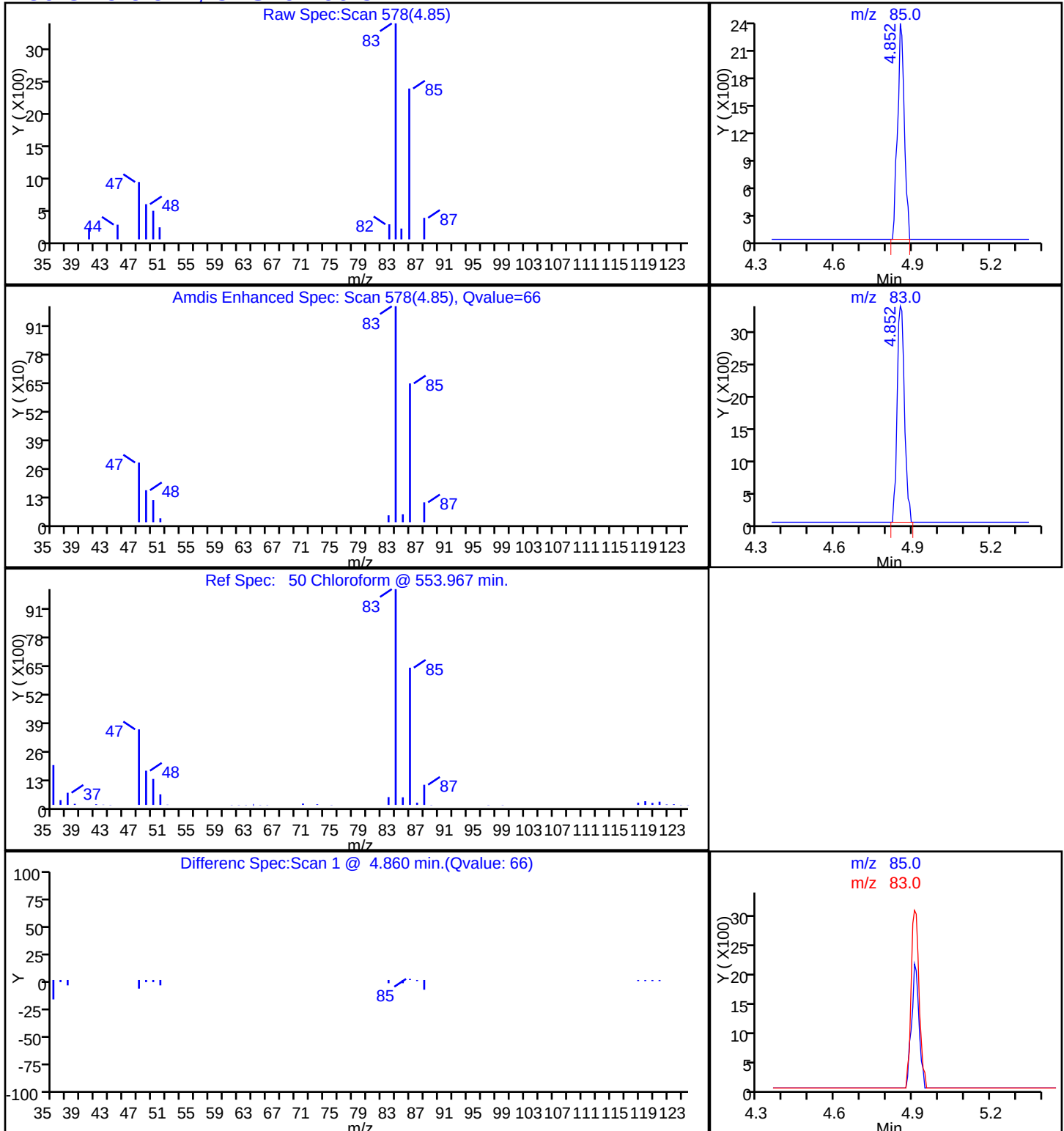
Dil. Factor: 1.0000

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

50 Chloroform, CAS: 67-66-3

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G31972.D

Injection Date: 01-Jul-2014 20:35:30

Instrument ID: HP5973G

Lims ID: 480-62519-A-7

Lab Sample ID: 480-62519-7

Client ID: AZMW-4

Operator ID: NQ

ALS Bottle#: 56

Worklist Smp#: 27

Purge Vol: 5.000 mL

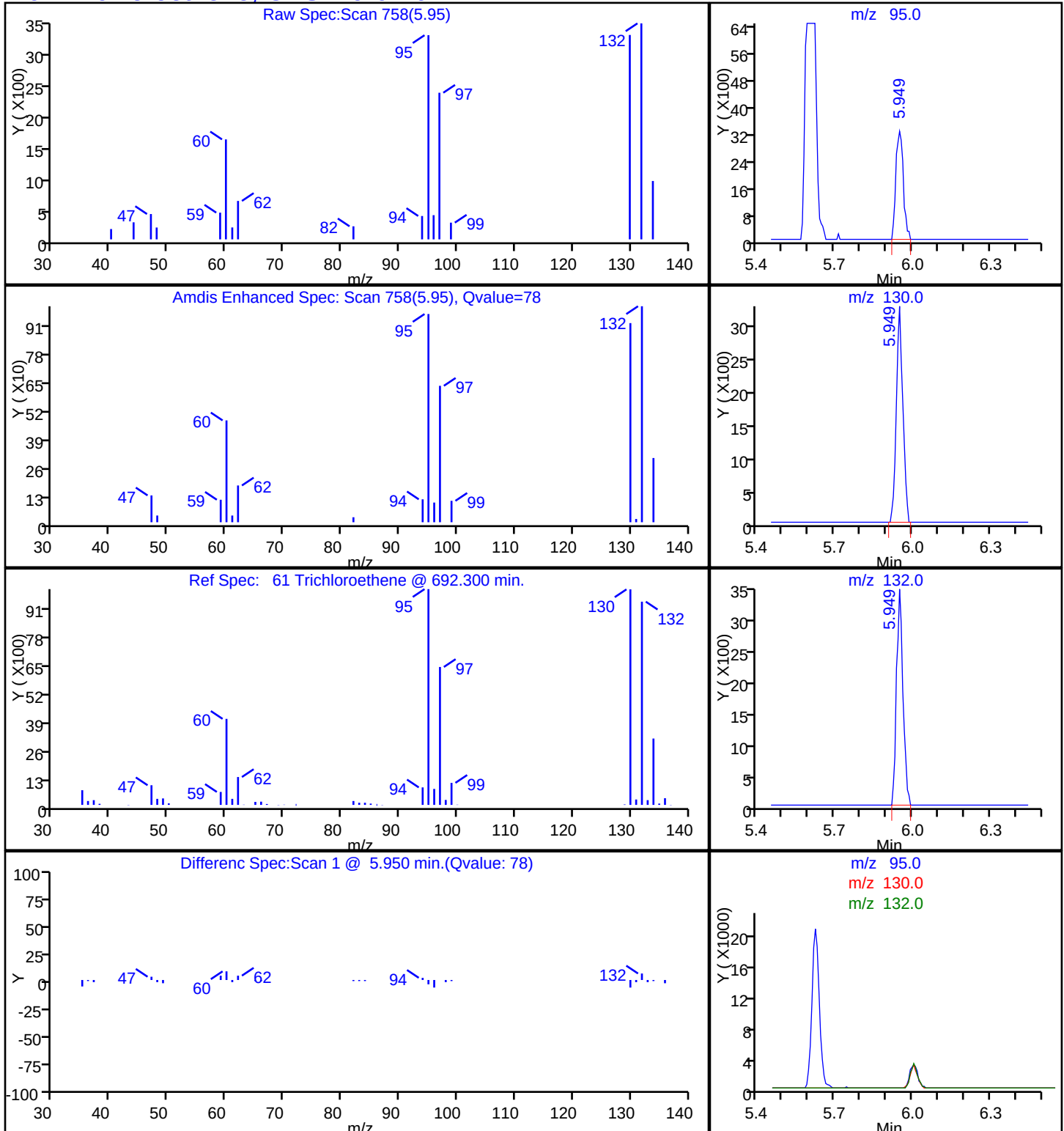
Dil. Factor: 1.0000

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

61 Trichloroethene, CAS: 79-01-6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1

SDG No.: _____

Client Sample ID: AZMW-5 Lab Sample ID: 480-62519-8

Matrix: Water Lab File ID: G31973.D

Analysis Method: 8260C Date Collected: 06/19/2014 17:30

Sample wt/vol: 5(mL) Date Analyzed: 07/01/2014 20:57

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 190745 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
591-78-6	2-Hexanone	ND		5.0	1.2
78-93-3	2-Butanone (MEK)	ND		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	4.0		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1

SDG No.: _____

Client Sample ID: AZMW-5 Lab Sample ID: 480-62519-8

Matrix: Water Lab File ID: G31973.D

Analysis Method: 8260C Date Collected: 06/19/2014 17:30

Sample wt/vol: 5(mL) Date Analyzed: 07/01/2014 20:57

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 190745 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		66-137
2037-26-5	Toluene-d8 (Surr)	96		71-126
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
1868-53-7	Dibromofluoromethane (Surr)	97		60-140

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1
SDG No.: _____
Client Sample ID: AZMW-5 Lab Sample ID: 480-62519-8
Matrix: Water Lab File ID: G31973.D
Analysis Method: 8260C Date Collected: 06/19/2014 17:30
Sample wt/vol: 5(mL) Date Analyzed: 07/01/2014 20:57
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 190745 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G31973.D
 Lims ID: 480-62519-A-8 Lab Sample ID: 480-62519-8
 Client ID: AZMW-5
 Sample Type: Client
 Inject. Date: 01-Jul-2014 20:57:30 ALS Bottle#: 57 Worklist Smp#: 28
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-62519-A-8
 Misc. Info.: 480-0033443-028 =480-0033443-028
 Operator ID: NQ Instrument ID: HP5973G
 Method: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 02-Jul-2014 10:09:17 Calib Date: 10-Jun-2014 21:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31265.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK003

First Level Reviewer: nguyendudziaknq

Date: 02-Jul-2014 10:09:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.602	5.602	0.000	98	93971	25.0	
* 2 Chlorobenzene-d5	82	8.595	8.595	0.000	87	194200	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.973	10.967	0.006	97	164256	25.0	
\$ 148 Dibromofluoromethane (Surr	113	5.011	5.005	0.006	57	95767	24.3	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.316	5.316	0.000	0	71853	24.8	
\$ 5 Toluene-d8 (Surr)	98	7.114	7.114	0.000	93	422127	24.0	
\$ 6 4-Bromofluorobenzene (Surr	174	9.839	9.839	0.000	83	114468	24.2	
10 Dichlorodifluoromethane	85		1.432				ND	
12 Chloromethane	50		1.585				ND	
13 Vinyl chloride	62		1.700				ND	
14 Bromomethane	94		1.993				ND	
15 Chloroethane	64		2.133				ND	
17 Trichlorofluoromethane	101		2.365				ND	
20 1,1-Dichloroethene	96		2.871				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.877				ND	
22 Acetone	43		2.944				ND	
24 Carbon disulfide	76		3.078				ND	
28 Methyl acetate	43		3.243				ND	
29 Methylene Chloride	84		3.383				ND	
31 Methyl tert-butyl ether	73		3.572				ND	
32 trans-1,2-Dichloroethene	96		3.584				ND	
36 1,1-Dichloroethane	63		3.993				ND	
43 cis-1,2-Dichloroethene	96		4.541				ND	
44 2-Butanone (MEK)	43		4.572				ND	
50 Chloroform	85	4.852	4.852	0.000	81	20605	3.99	
51 1,1,1-Trichloroethane	97		4.980				ND	
52 Cyclohexane	56		5.005				ND	
53 Carbon tetrachloride	117		5.127				ND	
56 Benzene	78		5.334				ND	
57 1,2-Dichloroethane	62		5.389				ND	
61 Trichloroethene	95	5.956	5.944	0.012	43	1383	0.3021	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		6.084				ND	
63 1,2-Dichloropropane	63		6.175				ND	
67 Dichlorobromomethane	83		6.462				ND	
72 cis-1,3-Dichloropropene	75		6.882				ND	
73 4-Methyl-2-pentanone (MIBK)	43		7.017				ND	
74 Toluene	92		7.181				ND	
76 trans-1,3-Dichloropropene	75		7.443				ND	
79 1,1,2-Trichloroethane	83		7.632				ND	
80 Tetrachloroethene	166		7.724				ND	
82 2-Hexanone	43		7.858				ND	
83 Chlorodibromomethane	129		8.035				ND	
84 Ethylene Dibromide	107		8.138				ND	
86 Chlorobenzene	112		8.626				ND	
89 Ethylbenzene	91		8.723				ND	
90 m-Xylene & p-Xylene	106		8.845				ND	
91 o-Xylene	106		9.272				ND	
92 Styrene	104		9.297				ND	
93 Bromoform	173		9.534				ND	
95 Isopropylbenzene	105		9.650				ND	
98 1,1,2,2-Tetrachloroethane	83		10.022				ND	
110 1,3-Dichlorobenzene	146		10.906				ND	
113 1,4-Dichlorobenzene	146		10.991				ND	
116 1,2-Dichlorobenzene	146		11.339				ND	
117 1,2-Dibromo-3-Chloropropan	75		12.058				ND	
119 1,2,4-Trichlorobenzene	180		12.747				ND	
S 124 Xylenes, Total	1		30.000				0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

G_8260_Surr_00070

Amount Added: 1.00

Units: uL

Run Reagent

G_8260_IS_00057

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G31973.D

Injection Date: 01-Jul-2014 20:57:30

Instrument ID: HP5973G

Operator ID: NQ

Lims ID: 480-62519-A-8

Lab Sample ID: 480-62519-8

Worklist Smp#: 28

Client ID: AZMW-5

Purge Vol: 5.000 mL

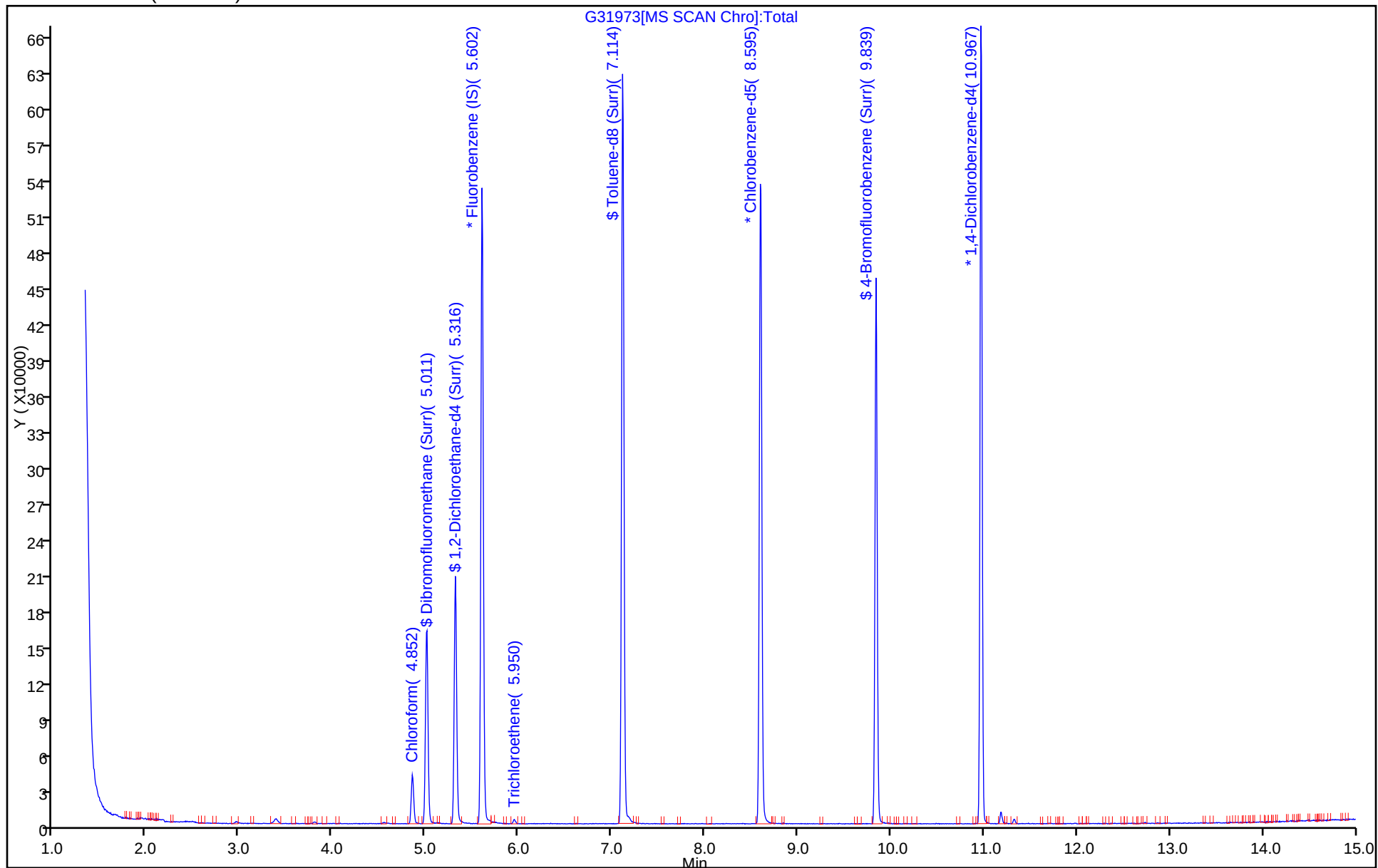
Dil. Factor: 1.0000

ALS Bottle#: 57

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G31973.D

Injection Date: 01-Jul-2014 20:57:30

Instrument ID: HP5973G

Lims ID: 480-62519-A-8

Lab Sample ID: 480-62519-8

Client ID: AZMW-5

Operator ID: NQ

ALS Bottle#: 57

Worklist Smp#: 28

Purge Vol: 5.000 mL

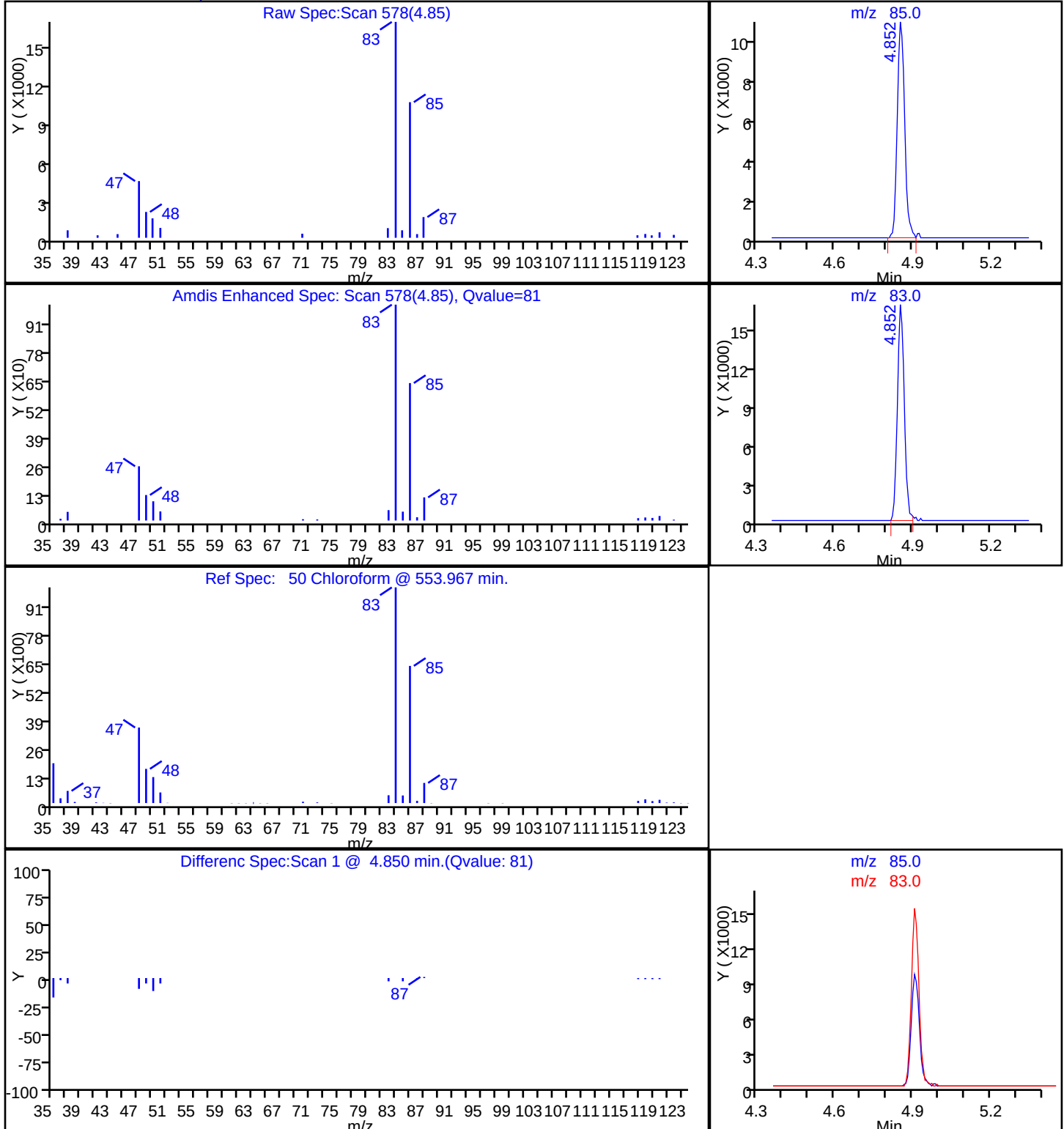
Dil. Factor: 1.0000

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

50 Chloroform, CAS: 67-66-3

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1

SDG No.: _____

Client Sample ID: AZMW-1 Lab Sample ID: 480-62519-9

Matrix: Water Lab File ID: G31974.D

Analysis Method: 8260C Date Collected: 06/19/2014 12:30

Sample wt/vol: 5(mL) Date Analyzed: 07/01/2014 21:20

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 190745 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
591-78-6	2-Hexanone	ND		5.0	1.2
78-93-3	2-Butanone (MEK)	ND		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	5.0		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1

SDG No.: _____

Client Sample ID: AZMW-1 Lab Sample ID: 480-62519-9

Matrix: Water Lab File ID: G31974.D

Analysis Method: 8260C Date Collected: 06/19/2014 12:30

Sample wt/vol: 5(mL) Date Analyzed: 07/01/2014 21:20

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 190745 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		66-137
2037-26-5	Toluene-d8 (Surr)	97		71-126
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
1868-53-7	Dibromofluoromethane (Surr)	98		60-140

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1
SDG No.: _____
Client Sample ID: AZMW-1 Lab Sample ID: 480-62519-9
Matrix: Water Lab File ID: G31974.D
Analysis Method: 8260C Date Collected: 06/19/2014 12:30
Sample wt/vol: 5(mL) Date Analyzed: 07/01/2014 21:20
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 190745 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G31974.D
 Lims ID: 480-62519-A-9 Lab Sample ID: 480-62519-9
 Client ID: AZMW-1
 Sample Type: Client
 Inject. Date: 01-Jul-2014 21:20:30 ALS Bottle#: 58 Worklist Smp#: 29
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-62519-A-9
 Misc. Info.: 480-0033443-029 =480-0033443-029
 Operator ID: NQ Instrument ID: HP5973G
 Method: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 02-Jul-2014 10:09:32 Calib Date: 10-Jun-2014 21:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31265.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK003

First Level Reviewer: nguyendudziaknq

Date: 02-Jul-2014 10:09:32

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.602	5.602	0.000	98	93356	25.0	
* 2 Chlorobenzene-d5	82	8.595	8.595	0.000	87	193194	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.967	10.967	0.000	98	163193	25.0	
\$ 148 Dibromofluoromethane (Surr	113	5.005	5.005	-0.001	57	96012	24.5	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.315	5.316	-0.001	0	71920	25.0	
\$ 5 Toluene-d8 (Surr)	98	7.114	7.114	0.000	93	423728	24.2	
\$ 6 4-Bromofluorobenzene (Surr	174	9.839	9.839	0.000	83	115252	24.5	
10 Dichlorodifluoromethane	85		1.432				ND	
12 Chloromethane	50		1.585				ND	
13 Vinyl chloride	62		1.700				ND	
14 Bromomethane	94		1.993				ND	
15 Chloroethane	64		2.133				ND	
17 Trichlorofluoromethane	101		2.365				ND	
20 1,1-Dichloroethene	96		2.871				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.877				ND	
22 Acetone	43		2.944				ND	
24 Carbon disulfide	76		3.078				ND	
28 Methyl acetate	43		3.243				ND	
29 Methylene Chloride	84		3.383				ND	
31 Methyl tert-butyl ether	73		3.572				ND	
32 trans-1,2-Dichloroethene	96		3.584				ND	
36 1,1-Dichloroethane	63		3.993				ND	
43 cis-1,2-Dichloroethene	96		4.541				ND	
44 2-Butanone (MEK)	43		4.572				ND	
50 Chloroform	85	4.852	4.852	0.000	81	25617	4.99	
51 1,1,1-Trichloroethane	97		4.980				ND	
52 Cyclohexane	56		5.005				ND	
53 Carbon tetrachloride	117		5.127				ND	
56 Benzene	78		5.334				ND	
57 1,2-Dichloroethane	62		5.389				ND	
61 Trichloroethene	95		5.944				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		6.084				ND	
63 1,2-Dichloropropane	63		6.175				ND	
67 Dichlorobromomethane	83		6.462				ND	
72 cis-1,3-Dichloropropene	75		6.882				ND	
73 4-Methyl-2-pentanone (MIBK)	43		7.017				ND	
74 Toluene	92		7.181				ND	
76 trans-1,3-Dichloropropene	75		7.443				ND	
79 1,1,2-Trichloroethane	83		7.632				ND	
80 Tetrachloroethene	166		7.724				ND	
82 2-Hexanone	43		7.858				ND	
83 Chlorodibromomethane	129		8.035				ND	
84 Ethylene Dibromide	107		8.138				ND	
86 Chlorobenzene	112		8.626				ND	
89 Ethylbenzene	91		8.723				ND	
90 m-Xylene & p-Xylene	106		8.845				ND	
91 o-Xylene	106		9.272				ND	
92 Styrene	104		9.297				ND	
93 Bromoform	173		9.534				ND	
95 Isopropylbenzene	105		9.650				ND	
98 1,1,2,2-Tetrachloroethane	83		10.022				ND	
110 1,3-Dichlorobenzene	146		10.906				ND	
113 1,4-Dichlorobenzene	146		10.991				ND	
116 1,2-Dichlorobenzene	146		11.339				ND	
117 1,2-Dibromo-3-Chloropropan	75		12.058				ND	
119 1,2,4-Trichlorobenzene	180		12.747				ND	
S 124 Xylenes, Total	1		30.000				0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

G_8260_Surr_00070

Amount Added: 1.00

Units: uL

Run Reagent

G_8260_IS_00057

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G31974.D

Injection Date: 01-Jul-2014 21:20:30

Instrument ID: HP5973G

Operator ID: NQ

Lims ID: 480-62519-A-9

Lab Sample ID: 480-62519-9

Worklist Smp#: 29

Client ID: AZMW-1

Purge Vol: 5.000 mL

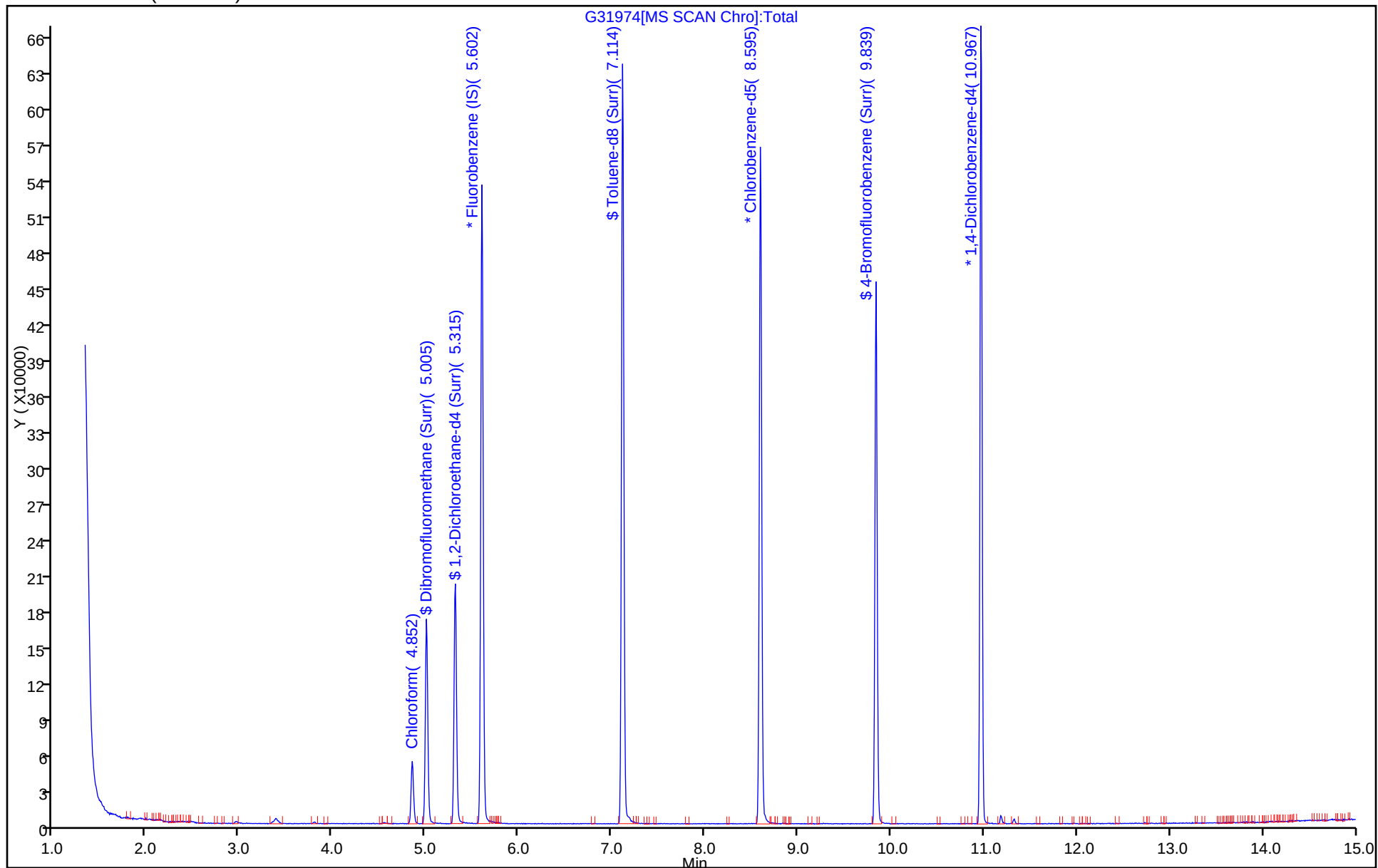
Dil. Factor: 1.0000

ALS Bottle#: 58

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G31974.D

Injection Date: 01-Jul-2014 21:20:30

Instrument ID: HP5973G

Lims ID: 480-62519-A-9

Lab Sample ID: 480-62519-9

Client ID: AZMW-1

Operator ID: NQ

ALS Bottle#: 58

Worklist Smp#: 29

Purge Vol: 5.000 mL

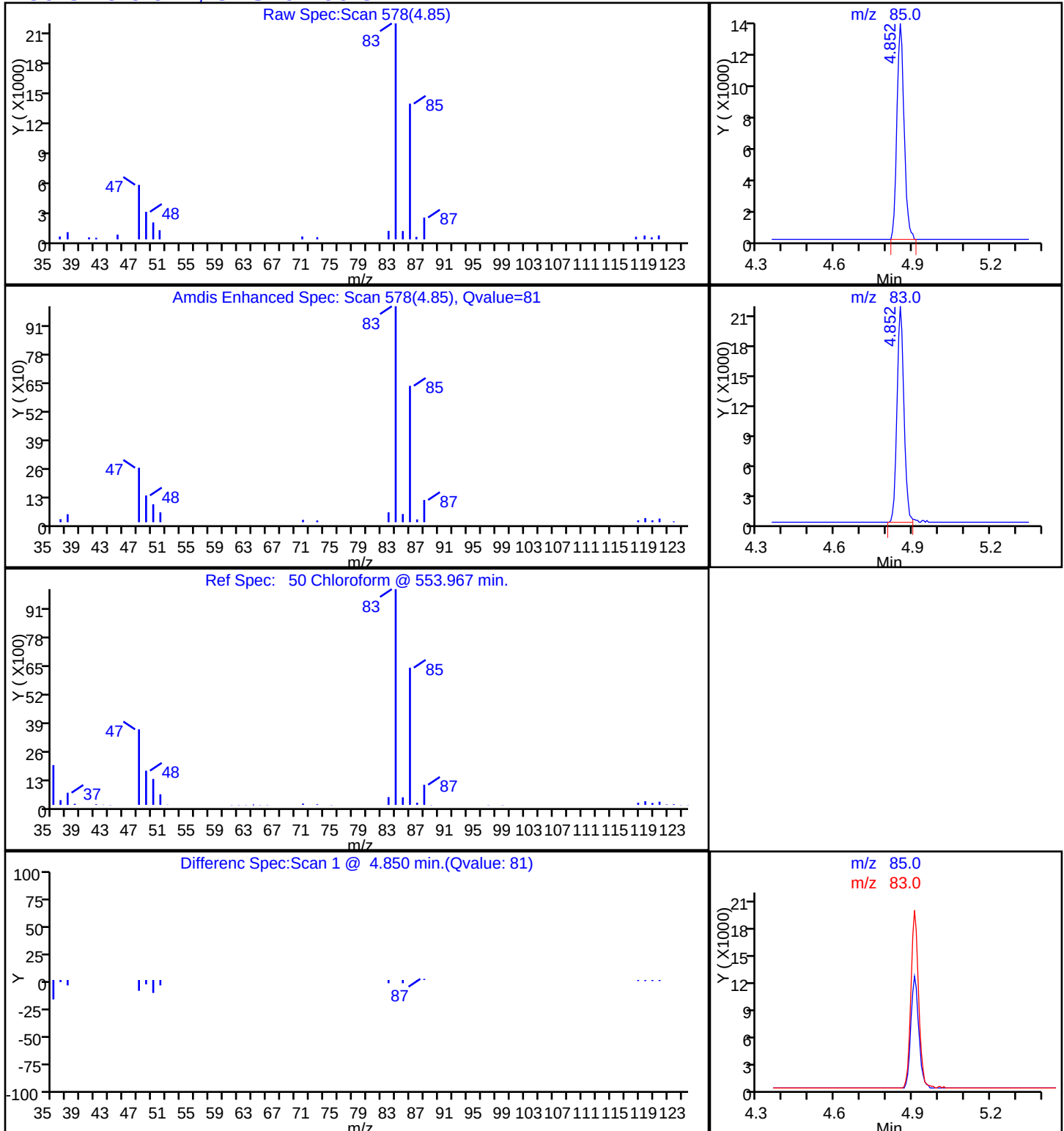
Dil. Factor: 1.0000

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

50 Chloroform, CAS: 67-66-3

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1

SDG No.: _____

Client Sample ID: AZMW-2 Lab Sample ID: 480-62519-10

Matrix: Water Lab File ID: G31975.D

Analysis Method: 8260C Date Collected: 06/20/2014 11:10

Sample wt/vol: 5(mL) Date Analyzed: 07/01/2014 21:43

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 190745 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
591-78-6	2-Hexanone	ND		5.0	1.2
78-93-3	2-Butanone (MEK)	ND		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1

SDG No.: _____

Client Sample ID: AZMW-2 Lab Sample ID: 480-62519-10

Matrix: Water Lab File ID: G31975.D

Analysis Method: 8260C Date Collected: 06/20/2014 11:10

Sample wt/vol: 5(mL) Date Analyzed: 07/01/2014 21:43

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 190745 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		66-137
2037-26-5	Toluene-d8 (Surr)	94		71-126
460-00-4	4-Bromofluorobenzene (Surr)	95		73-120
1868-53-7	Dibromofluoromethane (Surr)	98		60-140

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1
SDG No.: _____
Client Sample ID: AZMW-2 Lab Sample ID: 480-62519-10
Matrix: Water Lab File ID: G31975.D
Analysis Method: 8260C Date Collected: 06/20/2014 11:10
Sample wt/vol: 5(mL) Date Analyzed: 07/01/2014 21:43
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 190745 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G31975.D
 Lims ID: 480-62519-A-10 Lab Sample ID: 480-62519-10
 Client ID: AZMW-2
 Sample Type: Client
 Inject. Date: 01-Jul-2014 21:43:30 ALS Bottle#: 59 Worklist Smp#: 30
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-62519-A-10
 Misc. Info.: 480-0033443-030 =480-0033443-030
 Operator ID: NQ Instrument ID: HP5973G
 Method: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 02-Jul-2014 10:09:45 Calib Date: 10-Jun-2014 21:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31265.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK003

First Level Reviewer: nguyendudziaknq

Date: 02-Jul-2014 10:09:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.602	5.602	0.000	98	93072	25.0	
* 2 Chlorobenzene-d5	82	8.595	8.595	0.000	87	194475	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.967	10.967	0.000	97	163395	25.0	
\$ 148 Dibromofluoromethane (Surr	113	5.005	5.005	0.000	57	95419	24.4	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.316	5.316	0.000	0	72264	25.2	
\$ 5 Toluene-d8 (Surr)	98	7.114	7.114	0.000	93	415664	23.6	
\$ 6 4-Bromofluorobenzene (Surr	174	9.839	9.839	0.000	83	113180	23.9	
10 Dichlorodifluoromethane	85		1.432				ND	
12 Chloromethane	50		1.585				ND	
13 Vinyl chloride	62		1.700				ND	
14 Bromomethane	94		1.993				ND	
15 Chloroethane	64		2.133				ND	
17 Trichlorofluoromethane	101		2.365				ND	
20 1,1-Dichloroethene	96		2.871				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.877				ND	
22 Acetone	43		2.944				ND	
24 Carbon disulfide	76		3.078				ND	
28 Methyl acetate	43		3.243				ND	
29 Methylene Chloride	84		3.383				ND	
31 Methyl tert-butyl ether	73		3.572				ND	
32 trans-1,2-Dichloroethene	96		3.584				ND	
36 1,1-Dichloroethane	63		3.993				ND	
43 cis-1,2-Dichloroethene	96		4.541				ND	
44 2-Butanone (MEK)	43		4.572				ND	
50 Chloroform	85		4.852				ND	
51 1,1,1-Trichloroethane	97		4.980				ND	
52 Cyclohexane	56		5.005				ND	
53 Carbon tetrachloride	117		5.127				ND	
56 Benzene	78		5.334				ND	
57 1,2-Dichloroethane	62		5.389				ND	
61 Trichloroethene	95		5.944				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		6.084				ND	
63 1,2-Dichloropropane	63		6.175				ND	
67 Dichlorobromomethane	83		6.462				ND	
72 cis-1,3-Dichloropropene	75		6.882				ND	
73 4-Methyl-2-pentanone (MIBK)	43		7.017				ND	
74 Toluene	92		7.181				ND	
76 trans-1,3-Dichloropropene	75		7.443				ND	
79 1,1,2-Trichloroethane	83		7.632				ND	
80 Tetrachloroethene	166		7.724				ND	
82 2-Hexanone	43		7.858				ND	
83 Chlorodibromomethane	129		8.035				ND	
84 Ethylene Dibromide	107		8.138				ND	
86 Chlorobenzene	112		8.626				ND	
89 Ethylbenzene	91		8.723				ND	
90 m-Xylene & p-Xylene	106		8.845				ND	
91 o-Xylene	106		9.272				ND	
92 Styrene	104		9.297				ND	
93 Bromoform	173		9.534				ND	
95 Isopropylbenzene	105		9.650				ND	
98 1,1,2,2-Tetrachloroethane	83		10.022				ND	
110 1,3-Dichlorobenzene	146		10.906				ND	
113 1,4-Dichlorobenzene	146		10.991				ND	
116 1,2-Dichlorobenzene	146		11.339				ND	
117 1,2-Dibromo-3-Chloropropan	75		12.058				ND	
119 1,2,4-Trichlorobenzene	180		12.747				ND	
S 124 Xylenes, Total	1		30.000				0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

G_8260_Surr_00070

Amount Added: 1.00

Units: uL

Run Reagent

G_8260_IS_00057

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G31975.D

Injection Date: 01-Jul-2014 21:43:30

Instrument ID: HP5973G

Operator ID: NQ

Lims ID: 480-62519-A-10

Lab Sample ID: 480-62519-10

Worklist Smp#: 30

Client ID: AZMW-2

Purge Vol: 5.000 mL

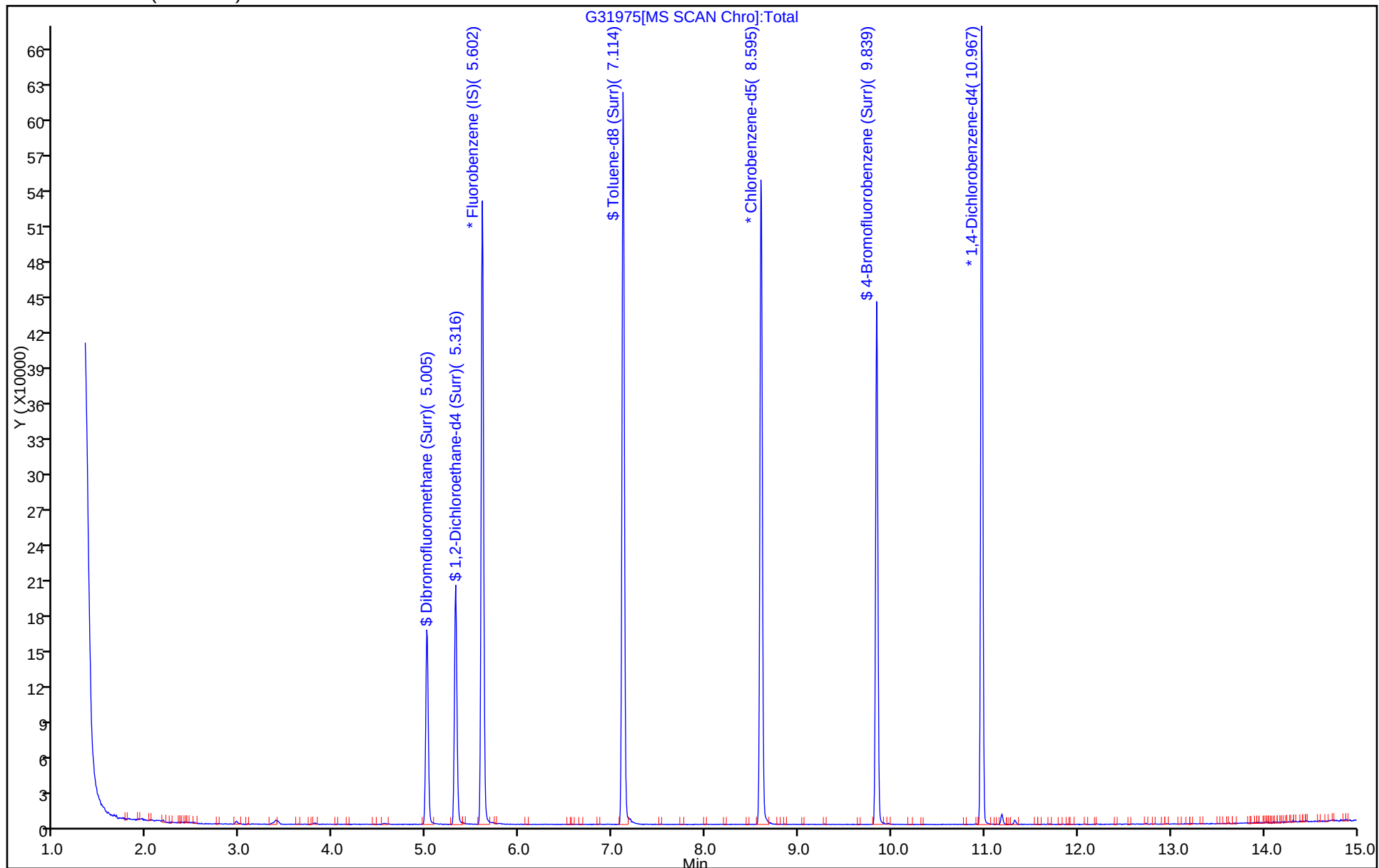
Dil. Factor: 1.0000

ALS Bottle#: 59

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1

SDG No.: _____

Client Sample ID: AZMW-6 Lab Sample ID: 480-62519-11

Matrix: Water Lab File ID: G31976.D

Analysis Method: 8260C Date Collected: 06/20/2014 12:35

Sample wt/vol: 5(mL) Date Analyzed: 07/01/2014 22:06

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 190745 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
591-78-6	2-Hexanone	ND		5.0	1.2
78-93-3	2-Butanone (MEK)	ND		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	2.5		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1

SDG No.: _____

Client Sample ID: AZMW-6 Lab Sample ID: 480-62519-11

Matrix: Water Lab File ID: G31976.D

Analysis Method: 8260C Date Collected: 06/20/2014 12:35

Sample wt/vol: 5(mL) Date Analyzed: 07/01/2014 22:06

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 190745 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	3.2		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		66-137
2037-26-5	Toluene-d8 (Surr)	94		71-126
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	97		60-140

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1
SDG No.: _____
Client Sample ID: AZMW-6 Lab Sample ID: 480-62519-11
Matrix: Water Lab File ID: G31976.D
Analysis Method: 8260C Date Collected: 06/20/2014 12:35
Sample wt/vol: 5(mL) Date Analyzed: 07/01/2014 22:06
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 190745 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G31976.D
 Lims ID: 480-62519-A-11 Lab Sample ID: 480-62519-11
 Client ID: AZMW-6
 Sample Type: Client
 Inject. Date: 01-Jul-2014 22:06:30 ALS Bottle#: 60 Worklist Smp#: 31
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-62519-A-11
 Misc. Info.: 480-0033443-031 =480-0033443-031
 Operator ID: NQ Instrument ID: HP5973G
 Method: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 02-Jul-2014 10:10:02 Calib Date: 10-Jun-2014 21:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31265.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK003

First Level Reviewer: nguyendudziaknq

Date: 02-Jul-2014 10:10:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.602	5.602	0.000	98	92995	25.0	
* 2 Chlorobenzene-d5	82	8.595	8.595	0.000	87	193001	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.967	10.967	0.000	98	165269	25.0	
\$ 148 Dibromofluoromethane (Surr	113	5.005	5.005	0.000	57	94662	24.3	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.316	5.316	0.000	0	73048	25.5	
\$ 5 Toluene-d8 (Surr)	98	7.114	7.114	0.000	93	413169	23.6	
\$ 6 4-Bromofluorobenzene (Surr	174	9.839	9.839	0.000	83	116468	24.7	
10 Dichlorodifluoromethane	85		1.432				ND	
12 Chloromethane	50		1.585				ND	
13 Vinyl chloride	62		1.700				ND	
14 Bromomethane	94		1.993				ND	
15 Chloroethane	64		2.133				ND	
17 Trichlorofluoromethane	101		2.365				ND	
20 1,1-Dichloroethene	96		2.871				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.877				ND	
22 Acetone	43		2.944				ND	
24 Carbon disulfide	76		3.078				ND	
28 Methyl acetate	43		3.243				ND	
29 Methylene Chloride	84		3.383				ND	
31 Methyl tert-butyl ether	73		3.572				ND	
32 trans-1,2-Dichloroethene	96		3.584				ND	
36 1,1-Dichloroethane	63		3.993				ND	
43 cis-1,2-Dichloroethene	96		4.541				ND	
44 2-Butanone (MEK)	43		4.572				ND	
50 Chloroform	85	4.852	4.852	0.000	77	12716	2.49	
51 1,1,1-Trichloroethane	97		4.980				ND	
52 Cyclohexane	56		5.005				ND	
53 Carbon tetrachloride	117		5.127				ND	
56 Benzene	78		5.334				ND	
57 1,2-Dichloroethane	62		5.389				ND	
61 Trichloroethene	95	5.944	5.944	0.000	89	14690	3.24	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		6.084				ND	
63 1,2-Dichloropropane	63		6.175				ND	
67 Dichlorobromomethane	83		6.462				ND	
72 cis-1,3-Dichloropropene	75		6.882				ND	
73 4-Methyl-2-pentanone (MIBK)	43		7.017				ND	
74 Toluene	92		7.181				ND	
76 trans-1,3-Dichloropropene	75		7.443				ND	
79 1,1,2-Trichloroethane	83		7.632				ND	
80 Tetrachloroethene	166		7.724				ND	
82 2-Hexanone	43		7.858				ND	
83 Chlorodibromomethane	129		8.035				ND	
84 Ethylene Dibromide	107		8.138				ND	
86 Chlorobenzene	112		8.626				ND	
89 Ethylbenzene	91		8.723				ND	
90 m-Xylene & p-Xylene	106		8.845				ND	
91 o-Xylene	106		9.272				ND	
92 Styrene	104		9.297				ND	
93 Bromoform	173		9.534				ND	
95 Isopropylbenzene	105		9.650				ND	
98 1,1,2,2-Tetrachloroethane	83		10.022				ND	
110 1,3-Dichlorobenzene	146		10.906				ND	
113 1,4-Dichlorobenzene	146		10.991				ND	
116 1,2-Dichlorobenzene	146		11.339				ND	
117 1,2-Dibromo-3-Chloropropan	75		12.058				ND	
119 1,2,4-Trichlorobenzene	180		12.747				ND	
S 124 Xylenes, Total	1		30.000				0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

G_8260_Surr_00070

Amount Added: 1.00

Units: uL

Run Reagent

G_8260_IS_00057

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G31976.D

Injection Date: 01-Jul-2014 22:06:30

Instrument ID: HP5973G

Operator ID: NQ

Lims ID: 480-62519-A-11

Lab Sample ID: 480-62519-11

Worklist Smp#: 31

Client ID: AZMW-6

Purge Vol: 5.000 mL

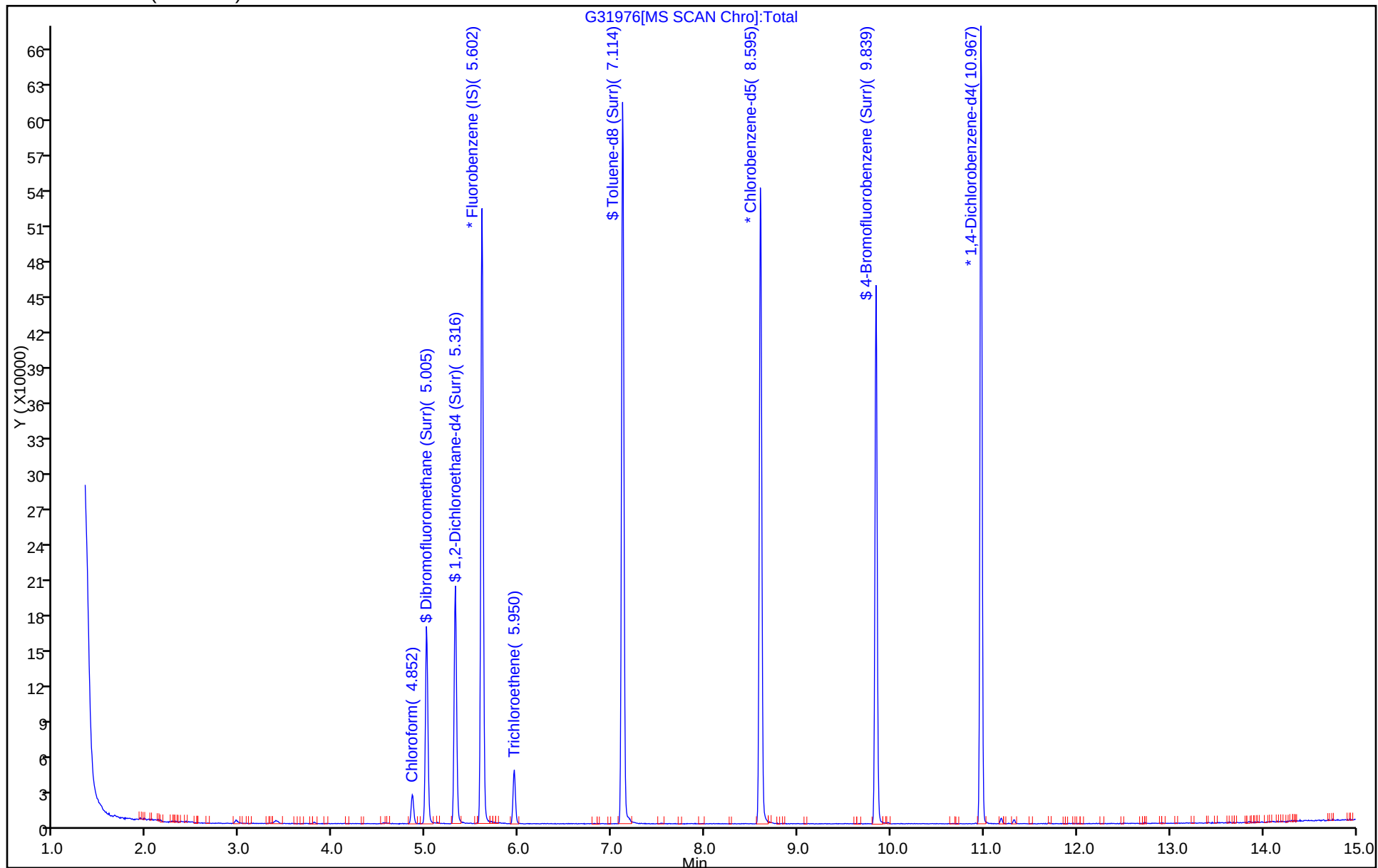
Dil. Factor: 1.0000

ALS Bottle#: 60

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G31976.D

Injection Date: 01-Jul-2014 22:06:30

Instrument ID: HP5973G

Lims ID: 480-62519-A-11

Lab Sample ID: 480-62519-11

Client ID: AZMW-6

Operator ID: NQ

ALS Bottle#: 60

Worklist Smp#: 31

Purge Vol: 5.000 mL

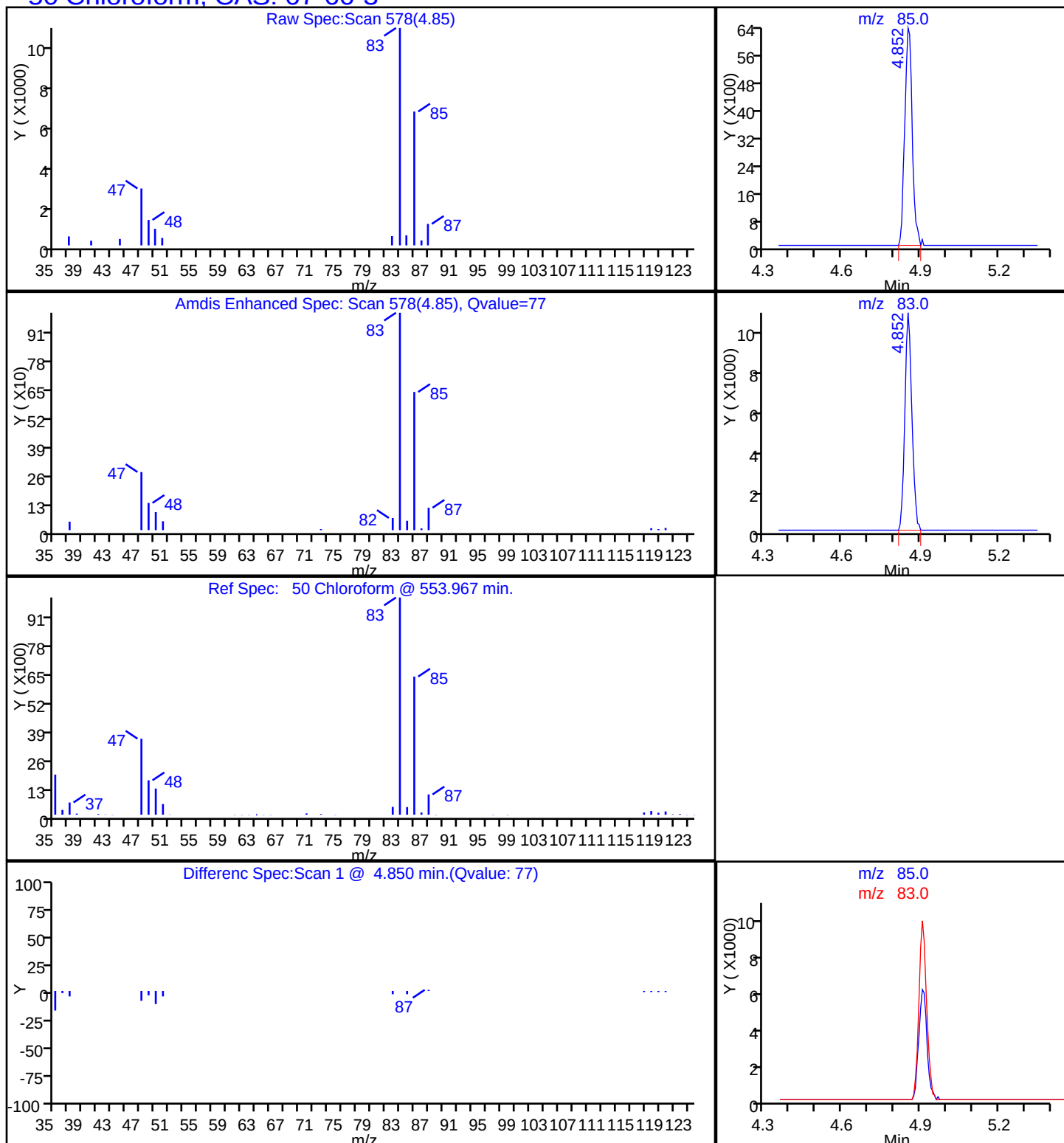
Dil. Factor: 1.0000

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

50 Chloroform, CAS: 67-66-3

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G31976.D

Injection Date: 01-Jul-2014 22:06:30

Instrument ID: HP5973G

Lims ID: 480-62519-A-11

Lab Sample ID: 480-62519-11

Client ID: AZMW-6

Operator ID: NQ

ALS Bottle#: 60

Worklist Smp#: 31

Purge Vol: 5.000 mL

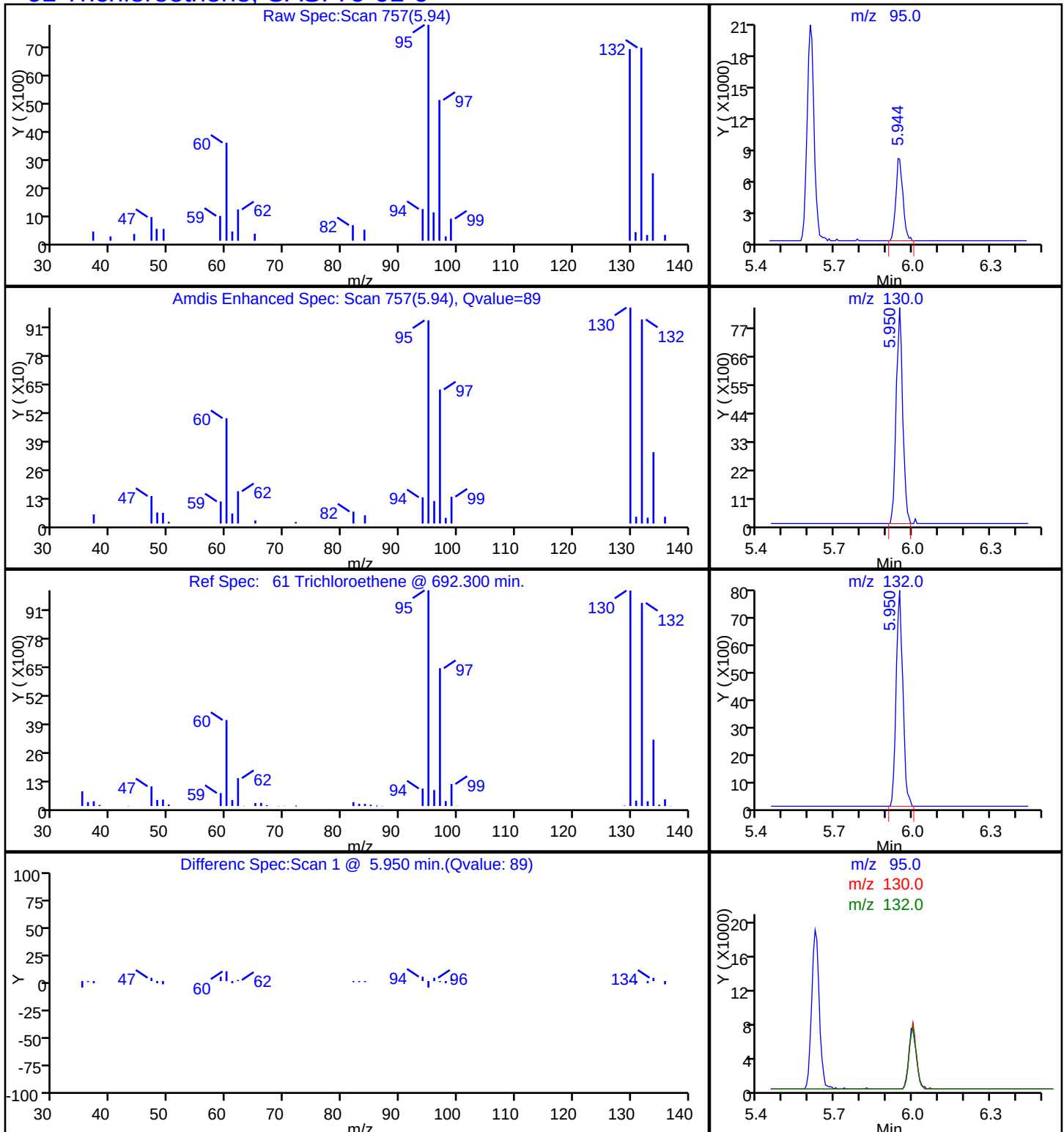
Dil. Factor: 1.0000

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

61 Trichloroethene, CAS: 79-01-6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1

SDG No.: _____

Client Sample ID: MW-6 Lab Sample ID: 480-62519-12

Matrix: Water Lab File ID: G32002.D

Analysis Method: 8260C Date Collected: 06/20/2014 13:50

Sample wt/vol: 5(mL) Date Analyzed: 07/02/2014 18:28

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 190934 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
591-78-6	2-Hexanone	ND		5.0	1.2
78-93-3	2-Butanone (MEK)	ND		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1
 SDG No.: _____
 Client Sample ID: MW-6 Lab Sample ID: 480-62519-12
 Matrix: Water Lab File ID: G32002.D
 Analysis Method: 8260C Date Collected: 06/20/2014 13:50
 Sample wt/vol: 5(mL) Date Analyzed: 07/02/2014 18:28
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 190934 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		66-137
2037-26-5	Toluene-d8 (Surr)	95		71-126
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
1868-53-7	Dibromofluoromethane (Surr)	93		60-140

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1
SDG No.: _____
Client Sample ID: MW-6 Lab Sample ID: 480-62519-12
Matrix: Water Lab File ID: G32002.D
Analysis Method: 8260C Date Collected: 06/20/2014 13:50
Sample wt/vol: 5(mL) Date Analyzed: 07/02/2014 18:28
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 190934 Units: ug/L
Number TICs Found: 4 TIC Result Total: 132.12

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	
123-91-1	1,4-Dioxane	6.33	130	
87-68-3	Hexachlorobutadiene	12.87	0.41	J
91-20-3	Naphthalene	12.96	0.83	J
87-61-6	1,2,3-Trichlorobenzene	13.16	0.88	J

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20140702-33478.b\G32002.D
 Lims ID: 480-62519-A-12 Lab Sample ID: 480-62519-12
 Client ID: MW-6
 Sample Type: Client
 Inject. Date: 02-Jul-2014 18:28:30 ALS Bottle#: 86 Worklist Smp#: 26
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-62519-A-12
 Misc. Info.: 480-0033478-026 =480-0033478-026
 Operator ID: NQ Instrument ID: HP5973G
 Method: \\Bufchrom\ChromData\HP5973G\20140702-33478.b\G-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 02-Jul-2014 20:15:01 Calib Date: 10-Jun-2014 21:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31265.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK034

First Level Reviewer: goliszekg

Date: 02-Jul-2014 20:15:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.602	5.602	0.000	98	98688	25.0	
* 2 Chlorobenzene-d5	82	8.595	8.595	0.000	87	202112	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.967	10.967	0.000	97	167084	25.0	
\$ 148 Dibromofluoromethane (Surr	113	5.004	5.005	-0.001	57	96392	23.3	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.315	5.309	0.006	0	74902	24.6	
\$ 5 Toluene-d8 (Surr)	98	7.114	7.114	0.000	93	436858	23.8	
\$ 6 4-Bromofluorobenzene (Surr	174	9.839	9.839	0.000	83	119975	24.3	
10 Dichlorodifluoromethane	85		1.426				ND	
12 Chloromethane	50		1.578				ND	
13 Vinyl chloride	62		1.700				ND	
14 Bromomethane	94		1.993				ND	
15 Chloroethane	64		2.121				ND	
17 Trichlorofluoromethane	101		2.353				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.865				ND	
20 1,1-Dichloroethene	96		2.871				ND	
22 Acetone	43		2.938				ND	
24 Carbon disulfide	76		3.072				ND	
28 Methyl acetate	43		3.243				ND	
29 Methylene Chloride	84		3.377				ND	
31 Methyl tert-butyl ether	73		3.566				ND	
32 trans-1,2-Dichloroethene	96		3.578				ND	
36 1,1-Dichloroethane	63		3.993				ND	
43 cis-1,2-Dichloroethene	96		4.541				ND	
44 2-Butanone (MEK)	43		4.572				ND	
50 Chloroform	85		4.852				ND	
51 1,1,1-Trichloroethane	97		4.980				ND	
52 Cyclohexane	56		5.005				ND	
53 Carbon tetrachloride	117		5.126				ND	
56 Benzene	78		5.334				ND	
57 1,2-Dichloroethane	62		5.383				ND	
61 Trichloroethene	95		5.943				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		6.084				ND	
63 1,2-Dichloropropane	63		6.175				ND	
67 Dichlorobromomethane	83		6.462				ND	
72 cis-1,3-Dichloropropene	75		6.882				ND	
73 4-Methyl-2-pentanone (MIBK)	43		7.016				ND	
74 Toluene	92		7.181				ND	
76 trans-1,3-Dichloropropene	75		7.443				ND	
79 1,1,2-Trichloroethane	83		7.632				ND	
80 Tetrachloroethene	166		7.724				ND	
82 2-Hexanone	43		7.858				ND	
83 Chlorodibromomethane	129		8.034				ND	
84 Ethylene Dibromide	107		8.138				ND	
86 Chlorobenzene	112		8.626				ND	
89 Ethylbenzene	91		8.723				ND	
90 m-Xylene & p-Xylene	106		8.845				ND	
91 o-Xylene	106		9.272				ND	
92 Styrene	104		9.296				ND	
93 Bromoform	173		9.534				ND	
95 Isopropylbenzene	105		9.650				ND	
98 1,1,2,2-Tetrachloroethane	83		10.022				ND	
110 1,3-Dichlorobenzene	146		10.906				ND	
113 1,4-Dichlorobenzene	146		10.991				ND	
116 1,2-Dichlorobenzene	146		11.339				ND	
117 1,2-Dibromo-3-Chloropropan	75		12.058				ND	
119 1,2,4-Trichlorobenzene	180		12.747				ND	
S 124 Xylenes, Total	1		30.000				0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

G_8260_Surr_00070

Amount Added: 1.00

Units: uL

Run Reagent

G_8260_IS_00057

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo
Tentatively Identified Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20140702-33478.b\G32002.D
Lims ID: 480-62519-A-12 Lab Sample ID: 480-62519-12
Client ID: MW-6
Sample Type: Client
Inject. Date: 02-Jul-2014 18:28:30 ALS Bottle#: 86 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-62519-A-12
Misc. Info.: 480-0033478-026 =480-0033478-026
Operator ID: NQ Instrument ID: HP5973G
Method: \\Bufchrom\ChromData\HP5973G\20140702-33478.b\G-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 02-Jul-2014 20:15:01 Calib Date: 10-Jun-2014 21:12:30
Tic RT Window: 1.500 -0.000 Response: area
Quant By: Nearest ISTD Quant LOD: 10.00000
MS Library: \\Bufchrom\ChromData\Database\NIST98.L
Min. Match: 85
Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK034

First Level Reviewer: goliszekg

Date: 02-Jul-2014 20:15:01

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/L	Flags
Butadiene	1.725	773	0.1389	
1,4-Dioxane	6.333	6771	131.1	
1-Chlorohexane	8.595	3491	0.0848	
Hexachlorobutadiene	12.869	1254	0.4070	
Naphthalene	12.960	17664	0.8262	
1,2,3-Trichlorobenzene	13.161	6269	0.8841	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

G_8260_Surr_00070	Amount Added: 1.00	Units: uL	Run Reagent
G_8260_IS_00057	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140702-33478.b\G32002.D

Injection Date: 02-Jul-2014 18:28:30

Instrument ID: HP5973G

Operator ID: NQ

Lims ID: 480-62519-A-12

Lab Sample ID: 480-62519-12

Worklist Smp#: 26

Client ID: MW-6

Purge Vol: 5.000 mL

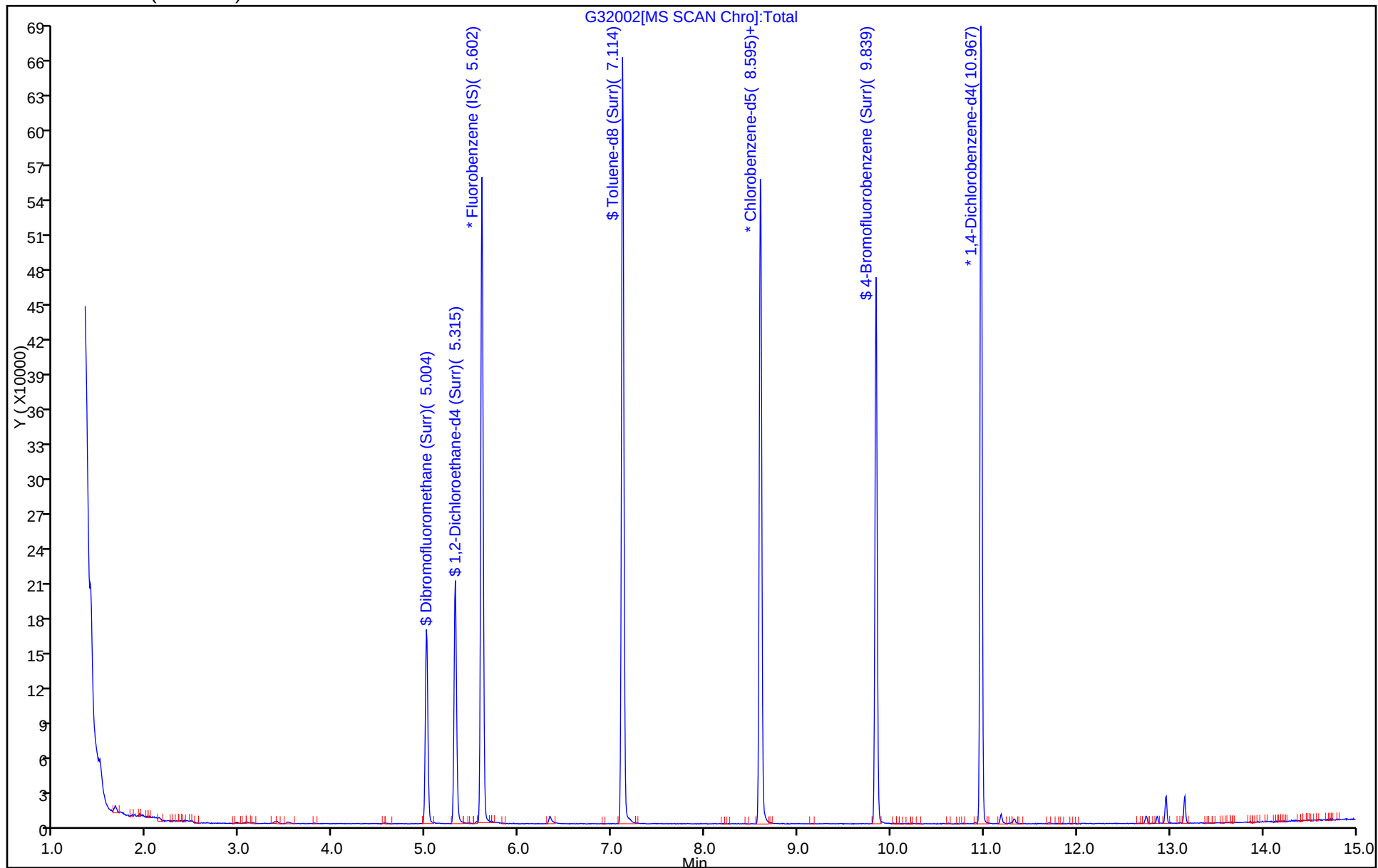
Dil. Factor: 1.0000

ALS Bottle#: 86

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140702-33478.b\G32002.D

Injection Date: 02-Jul-2014 18:28:30

Instrument ID: HP5973G

Lims ID: 480-62519-A-12

Lab Sample ID: 480-62519-12

Client ID: MW-6

Operator ID: NQ

ALS Bottle#: 86

Worklist Smp#: 26

Purge Vol: 5.000 mL

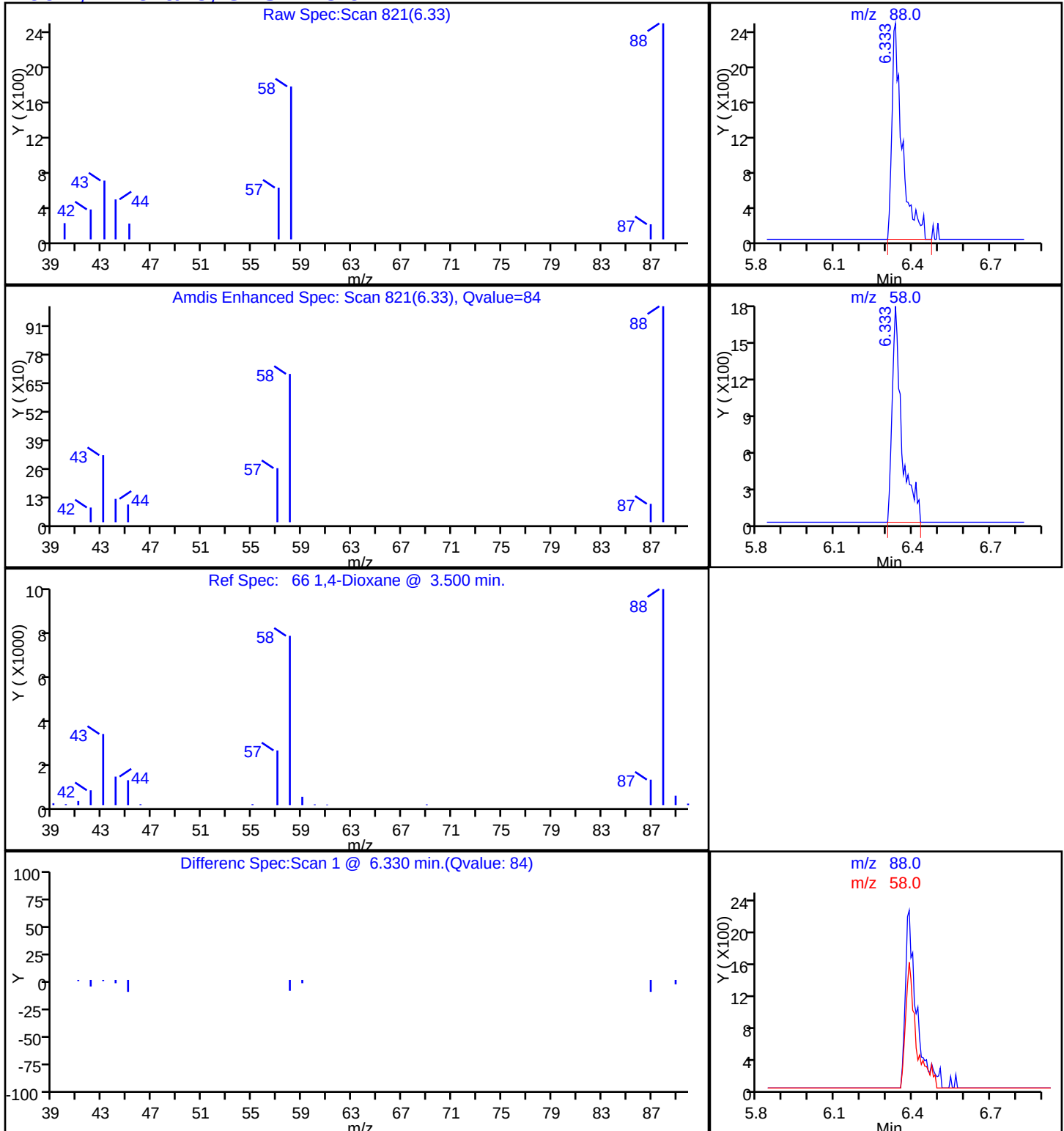
Dil. Factor: 1.0000

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140702-33478.b\G32002.D

Injection Date: 02-Jul-2014 18:28:30

Instrument ID: HP5973G

Lims ID: 480-62519-A-12

Lab Sample ID: 480-62519-12

Client ID: MW-6

Operator ID: NQ

ALS Bottle#: 86

Worklist Smp#: 26

Purge Vol: 5.000 mL

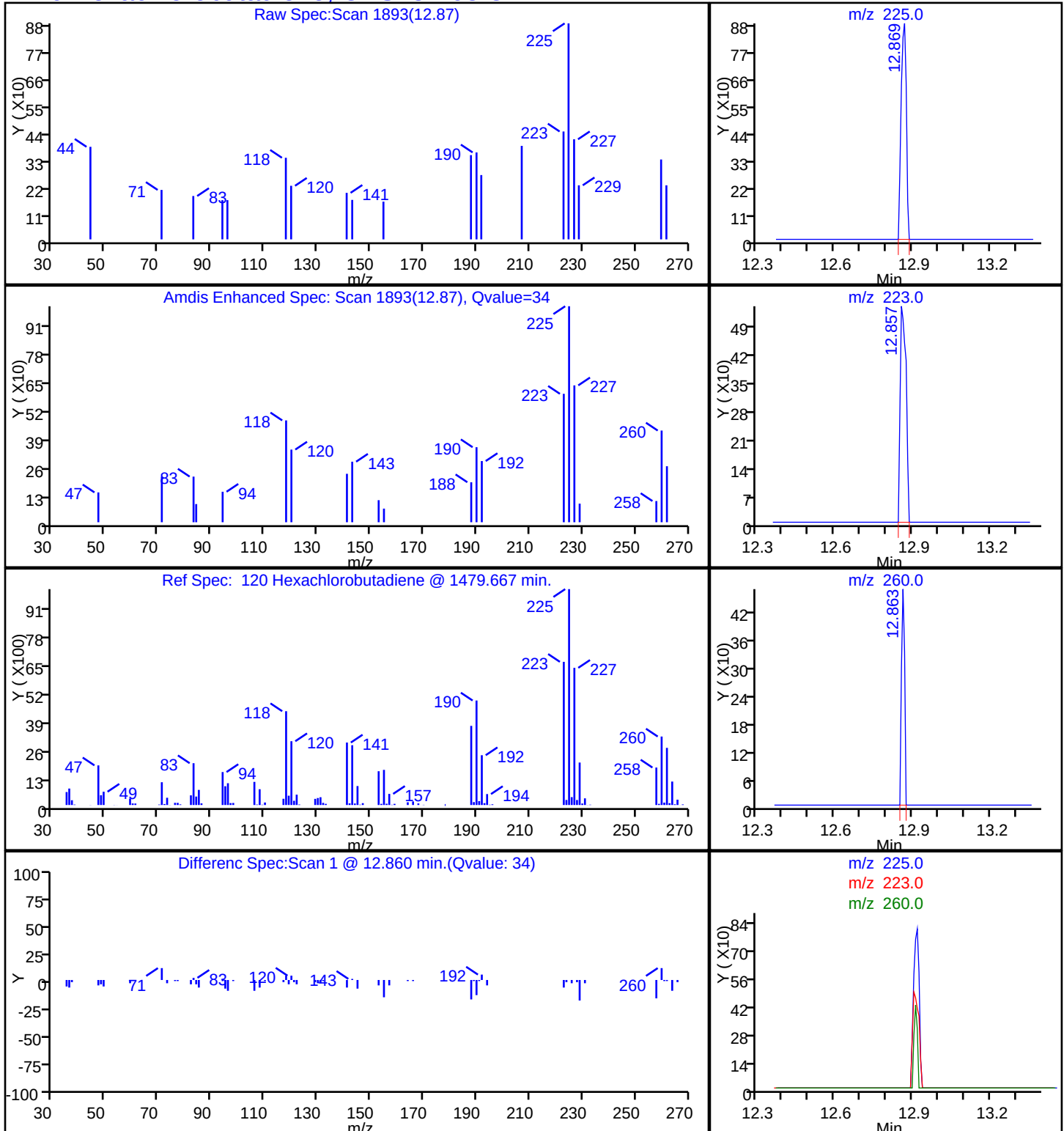
Dil. Factor: 1.0000

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

120 Hexachlorobutadiene, CAS: 87-68-3

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140702-33478.b\G32002.D

Injection Date: 02-Jul-2014 18:28:30

Instrument ID: HP5973G

Lims ID: 480-62519-A-12

Lab Sample ID: 480-62519-12

Client ID: MW-6

Operator ID: NQ

ALS Bottle#: 86

Worklist Smp#: 26

Purge Vol: 5.000 mL

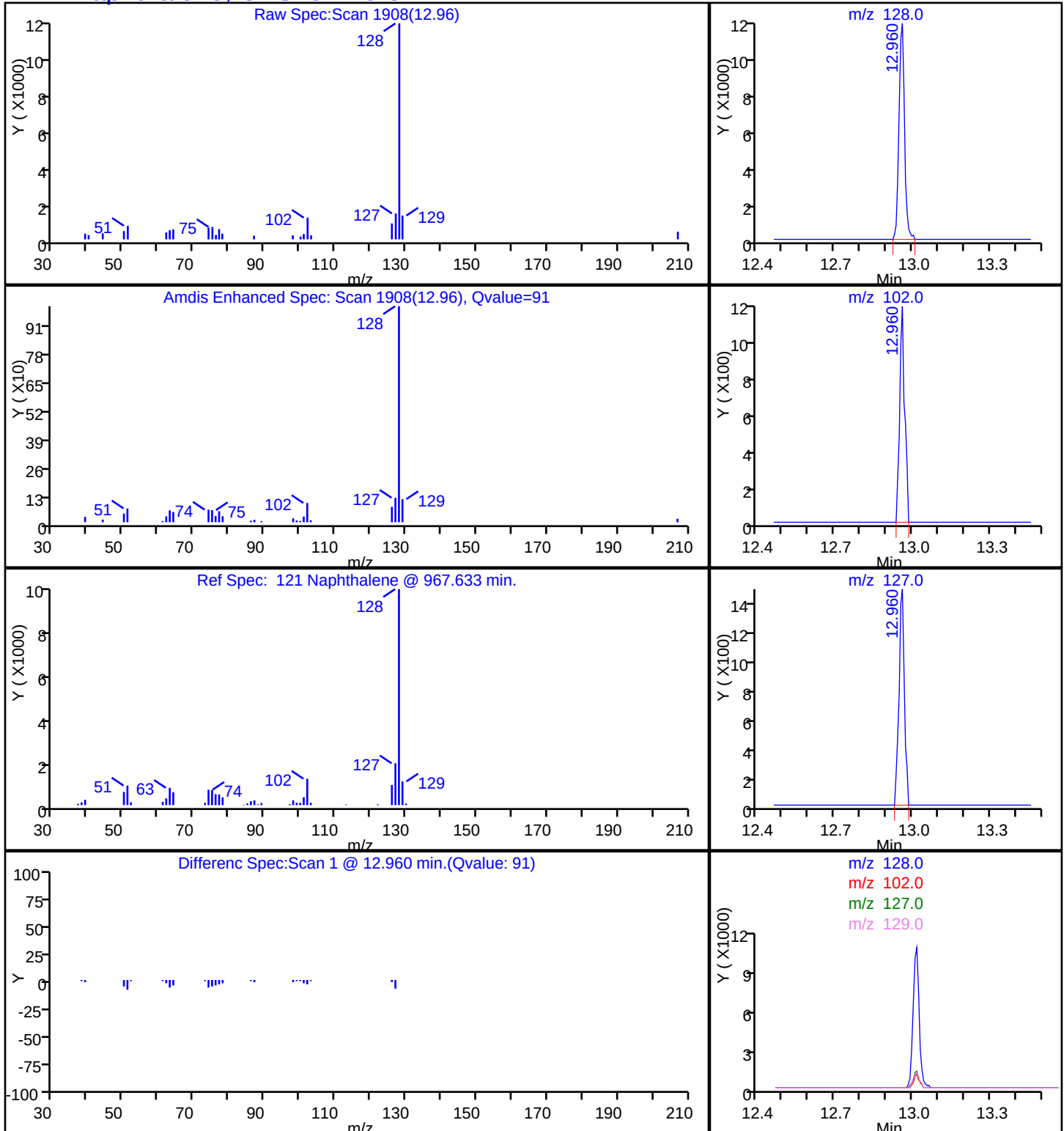
Dil. Factor: 1.0000

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

121 Naphthalene, CAS: 91-20-3

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140702-33478.b\G32002.D

Injection Date: 02-Jul-2014 18:28:30

Instrument ID: HP5973G

Lims ID: 480-62519-A-12

Lab Sample ID: 480-62519-12

Client ID: MW-6

Operator ID: NQ

ALS Bottle#: 86

Worklist Smp#: 26

Purge Vol: 5.000 mL

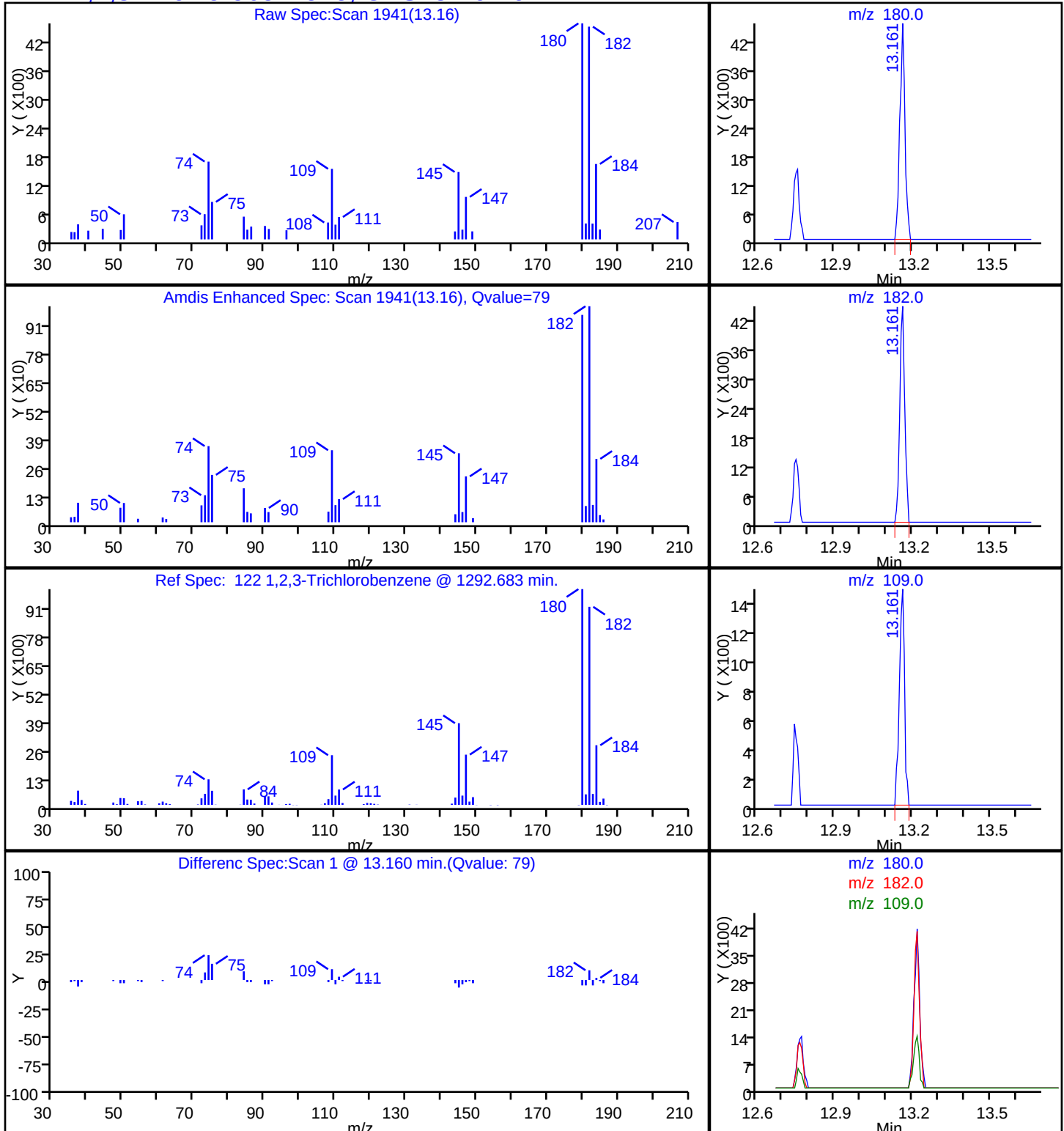
Dil. Factor: 1.0000

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

122 1,2,3-Trichlorobenzene, CAS: 87-61-6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1

SDG No.: _____

Client Sample ID: MW-7 Lab Sample ID: 480-62519-13

Matrix: Water Lab File ID: G32003.D

Analysis Method: 8260C Date Collected: 06/20/2014 12:15

Sample wt/vol: 5(mL) Date Analyzed: 07/02/2014 18:52

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 190934 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
591-78-6	2-Hexanone	ND		5.0	1.2
78-93-3	2-Butanone (MEK)	ND		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	1.5		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1
 SDG No.: _____
 Client Sample ID: MW-7 Lab Sample ID: 480-62519-13
 Matrix: Water Lab File ID: G32003.D
 Analysis Method: 8260C Date Collected: 06/20/2014 12:15
 Sample wt/vol: 5(mL) Date Analyzed: 07/02/2014 18:52
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 190934 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	2.8		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		66-137
2037-26-5	Toluene-d8 (Surr)	95		71-126
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	98		60-140

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1
SDG No.: _____
Client Sample ID: MW-7 Lab Sample ID: 480-62519-13
Matrix: Water Lab File ID: G32003.D
Analysis Method: 8260C Date Collected: 06/20/2014 12:15
Sample wt/vol: 5(mL) Date Analyzed: 07/02/2014 18:52
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 190934 Units: ug/L
Number TICs Found: 1 TIC Result Total: 18

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	
67-63-0	Isopropyl alcohol	3.13	18	

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20140702-33478.b\G32003.D
 Lims ID: 480-62519-A-13 Lab Sample ID: 480-62519-13
 Client ID: MW-7
 Sample Type: Client
 Inject. Date: 02-Jul-2014 18:52:30 ALS Bottle#: 87 Worklist Smp#: 27
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-62519-A-13
 Misc. Info.: 480-0033478-027 =480-0033478-027
 Operator ID: NQ Instrument ID: HP5973G
 Method: \\Bufchrom\ChromData\HP5973G\20140702-33478.b\G-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 02-Jul-2014 20:15:01 Calib Date: 10-Jun-2014 21:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31265.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK034

First Level Reviewer: goliszekg

Date: 02-Jul-2014 20:15:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.602	5.602	0.000	98	96522	25.0	
* 2 Chlorobenzene-d5	82	8.595	8.595	0.000	87	199793	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.967	10.967	0.000	97	169386	25.0	
\$ 148 Dibromofluoromethane (Surr	113	5.005	5.005	0.000	57	98877	24.4	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.316	5.309	0.007	0	72760	24.5	
\$ 5 Toluene-d8 (Surr)	98	7.114	7.114	0.000	93	428569	23.7	
\$ 6 4-Bromofluorobenzene (Surr	174	9.839	9.839	0.000	83	120499	24.7	
10 Dichlorodifluoromethane	85		1.426				ND	
12 Chloromethane	50		1.578				ND	
13 Vinyl chloride	62		1.700				ND	
14 Bromomethane	94		1.993				ND	
15 Chloroethane	64		2.121				ND	
17 Trichlorofluoromethane	101		2.353				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.865				ND	
20 1,1-Dichloroethene	96		2.871				ND	
22 Acetone	43		2.938				ND	
24 Carbon disulfide	76		3.072				ND	
28 Methyl acetate	43		3.243				ND	
29 Methylene Chloride	84		3.377				ND	
31 Methyl tert-butyl ether	73		3.566				ND	
32 trans-1,2-Dichloroethene	96		3.578				ND	
36 1,1-Dichloroethane	63		3.993				ND	
43 cis-1,2-Dichloroethene	96		4.541				ND	
44 2-Butanone (MEK)	43		4.572				ND	
50 Chloroform	85	4.852	4.852	0.000	71	7910	1.49	
51 1,1,1-Trichloroethane	97		4.980				ND	
52 Cyclohexane	56		5.005				ND	
53 Carbon tetrachloride	117		5.126				ND	
56 Benzene	78		5.334				ND	
57 1,2-Dichloroethane	62		5.383				ND	
61 Trichloroethene	95	5.950	5.943	0.007	89	12997	2.76	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		6.084				ND	
63 1,2-Dichloropropane	63		6.175				ND	
67 Dichlorobromomethane	83		6.462				ND	
72 cis-1,3-Dichloropropene	75		6.882				ND	
73 4-Methyl-2-pentanone (MIBK)	43		7.016				ND	
74 Toluene	92		7.181				ND	
76 trans-1,3-Dichloropropene	75		7.443				ND	
79 1,1,2-Trichloroethane	83		7.632				ND	
80 Tetrachloroethene	166		7.724				ND	
82 2-Hexanone	43		7.858				ND	
83 Chlorodibromomethane	129		8.034				ND	
84 Ethylene Dibromide	107		8.138				ND	
86 Chlorobenzene	112		8.626				ND	
89 Ethylbenzene	91		8.723				ND	
90 m-Xylene & p-Xylene	106		8.845				ND	
91 o-Xylene	106		9.272				ND	
92 Styrene	104		9.296				ND	
93 Bromoform	173		9.534				ND	
95 Isopropylbenzene	105		9.650				ND	
98 1,1,2,2-Tetrachloroethane	83		10.022				ND	
110 1,3-Dichlorobenzene	146		10.906				ND	
113 1,4-Dichlorobenzene	146		10.991				ND	
116 1,2-Dichlorobenzene	146		11.339				ND	
117 1,2-Dibromo-3-Chloropropan	75		12.058				ND	
119 1,2,4-Trichlorobenzene	180		12.747				ND	
S 124 Xylenes, Total	1		30.000				0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

G_8260_Surr_00070

Amount Added: 1.00

Units: uL

Run Reagent

G_8260_IS_00057

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo
Tentatively Identified Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20140702-33478.b\G32003.D
Lims ID: 480-62519-A-13 Lab Sample ID: 480-62519-13
Client ID: MW-7
Sample Type: Client
Inject. Date: 02-Jul-2014 18:52:30 ALS Bottle#: 87 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-62519-A-13
Misc. Info.: 480-0033478-027 =480-0033478-027
Operator ID: NQ Instrument ID: HP5973G
Method: \\Bufchrom\ChromData\HP5973G\20140702-33478.b\G-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 02-Jul-2014 20:15:01 Calib Date: 10-Jun-2014 21:12:30
Tic RT Window: 1.500 -0.000 Response: area
Quant By: Nearest ISTD Quant LOD: 10.00000
MS Library: \\Bufchrom\ChromData\Database\NIST98.L
Min. Match: 85
Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK034

First Level Reviewer: goliszekg

Date: 02-Jul-2014 20:15:52

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/L	Flags
Isopropyl alcohol	3.127	7123	18.2	
1-Chlorohexane	8.595	3461	0.0870	
Dicyclopentadiene	10.967	4138	0.1663	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

G_8260_Surr_00070	Amount Added: 1.00	Units: uL	Run Reagent
G_8260_IS_00057	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140702-33478.b\G32003.D

Injection Date: 02-Jul-2014 18:52:30

Instrument ID: HP5973G

Operator ID: NQ

Lims ID: 480-62519-A-13

Lab Sample ID: 480-62519-13

Worklist Smp#: 27

Client ID: MW-7

Purge Vol: 5.000 mL

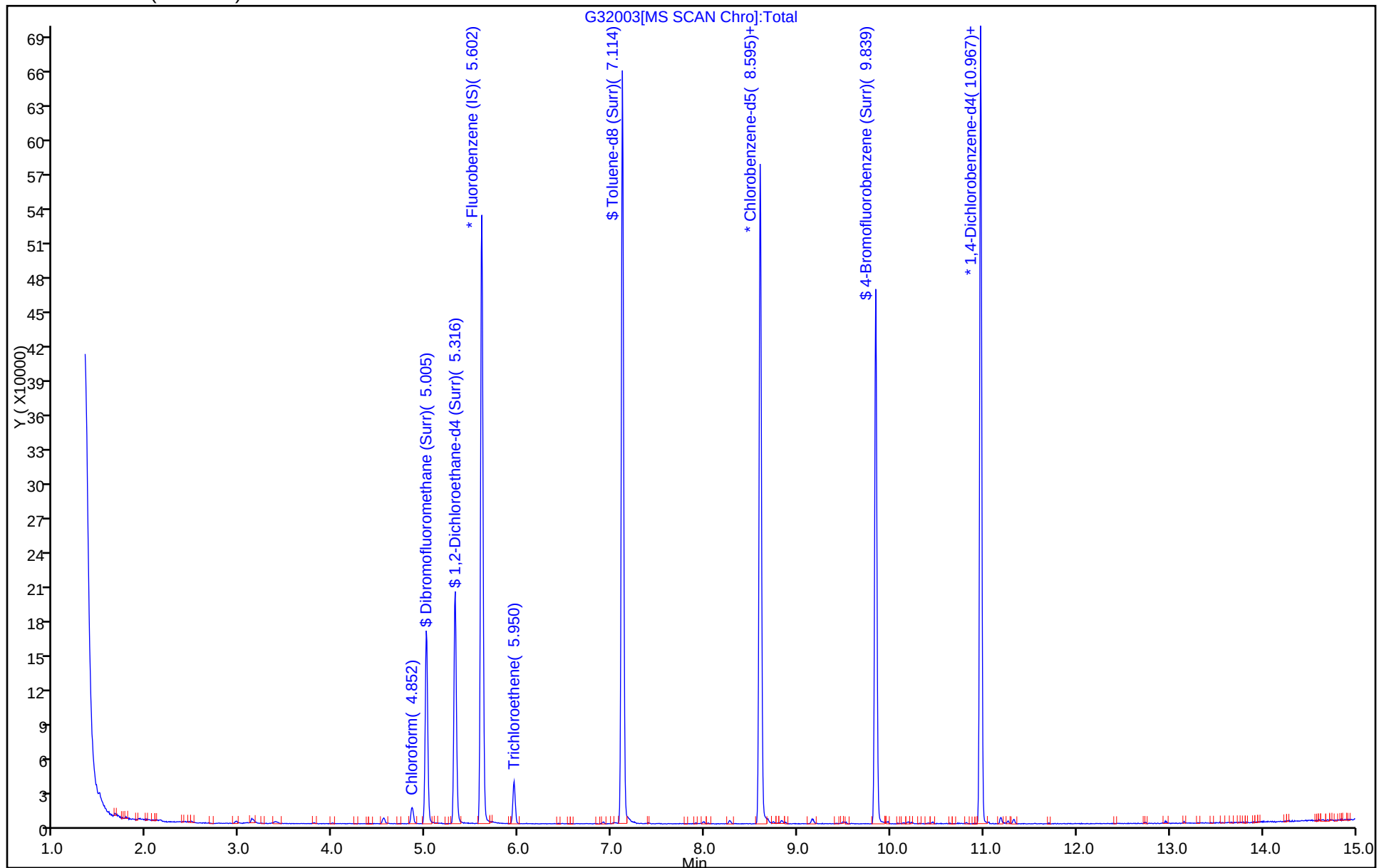
Dil. Factor: 1.0000

ALS Bottle#: 87

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140702-33478.b\G32003.D

Injection Date: 02-Jul-2014 18:52:30

Instrument ID: HP5973G

Lims ID: 480-62519-A-13

Lab Sample ID: 480-62519-13

Client ID: MW-7

Operator ID: NQ

ALS Bottle#: 87

Worklist Smp#: 27

Purge Vol: 5.000 mL

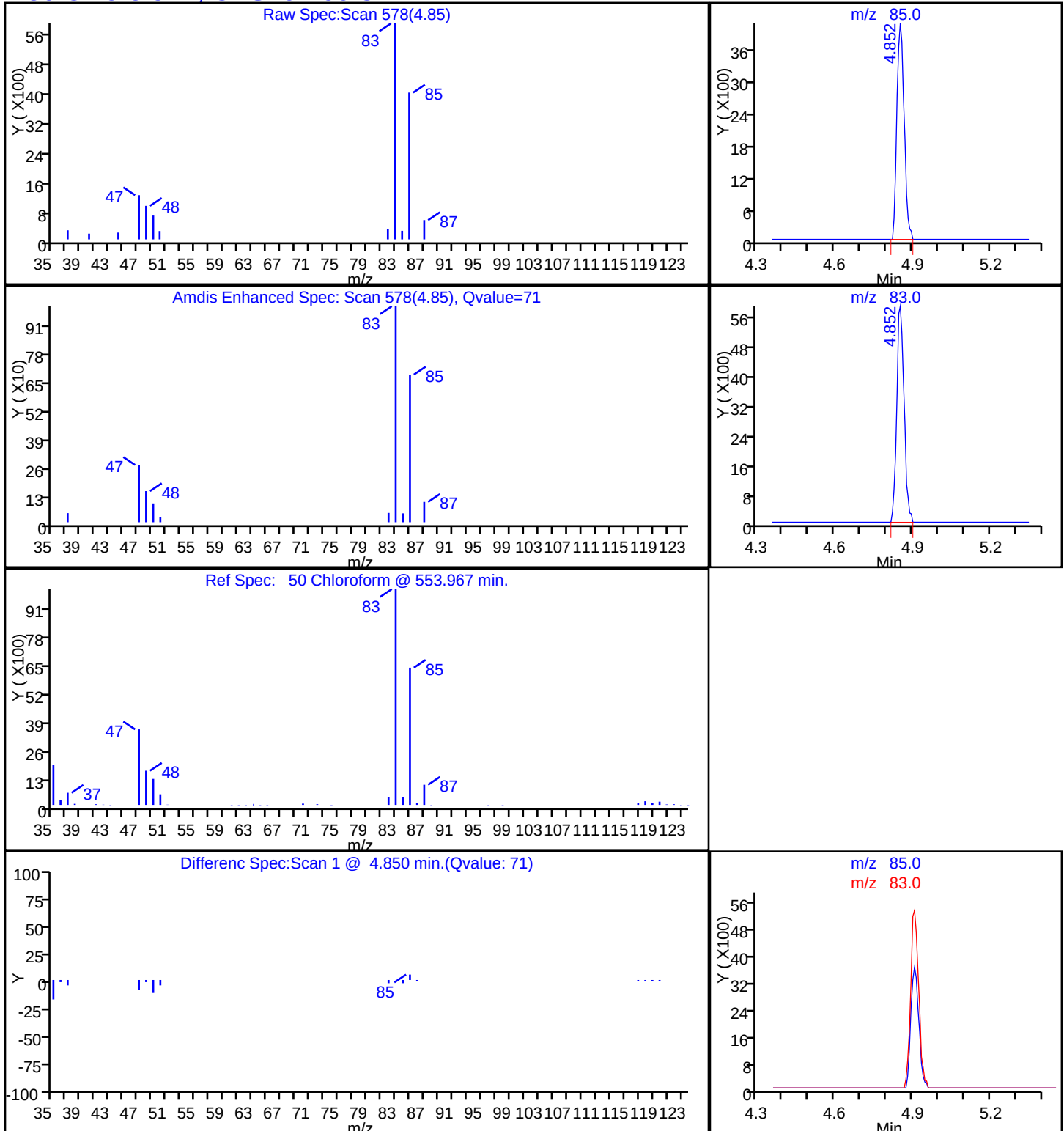
Dil. Factor: 1.0000

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

50 Chloroform, CAS: 67-66-3

TestAmerica Buffalo

Data File: \\Bufchrom\\ChromData\\HP5973G\\20140702-33478.b\\G32003.D

Injection Date: 02-Jul-2014 18:52:30

Instrument ID: HP5973G

Lims ID: 480-62519-A-13

Lab Sample ID: 480-62519-13

Client ID: MW-7

Operator ID: NQ

ALS Bottle#: 87

Worklist Smp#: 27

Purge Vol: 5.000 mL

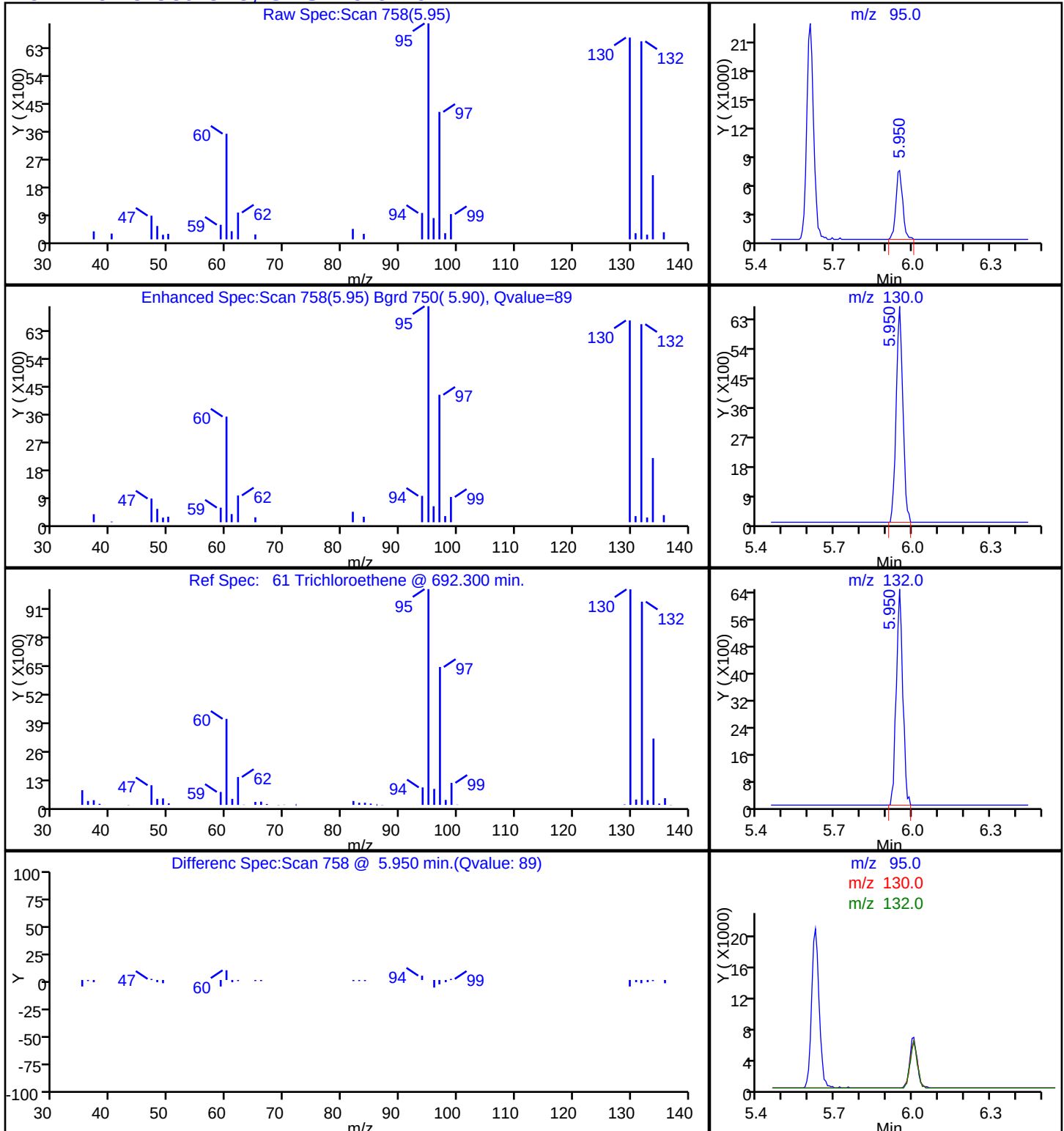
Dil. Factor: 1.0000

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

61 Trichloroethene, CAS: 79-01-6

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140702-33478.b\G32003.D

Injection Date: 02-Jul-2014 18:52:30

Instrument ID: HP5973G

Lims ID: 480-62519-A-13

Lab Sample ID: 480-62519-13

Client ID: MW-7

Operator ID: NQ

ALS Bottle#: 87

Worklist Smp#: 27

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

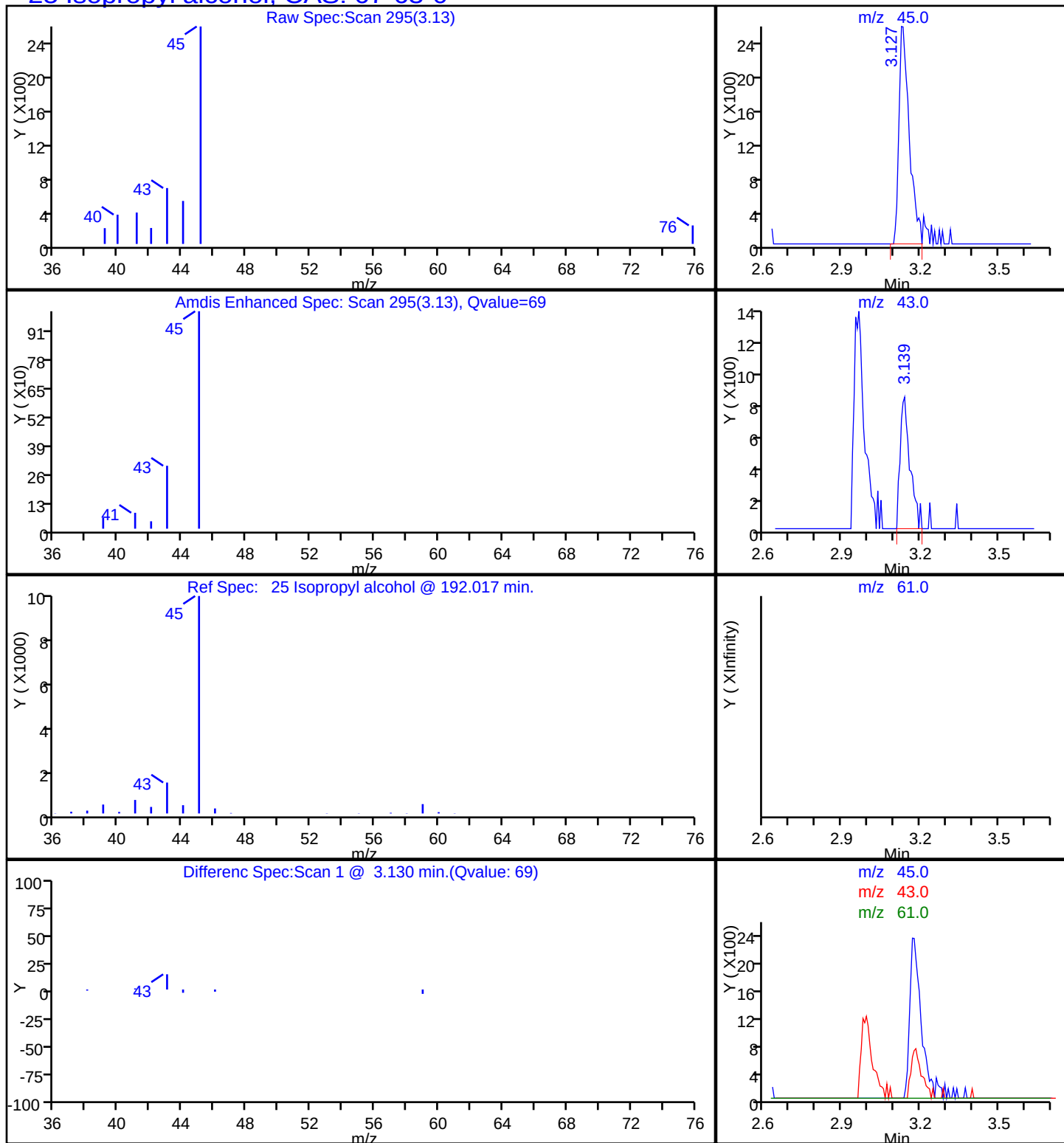
Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

25 Isopropyl alcohol, CAS: 67-63-0



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

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1 Analy Batch No.: 186834

SDG No.: _____

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/10/2014 15:07 Calibration End Date: 06/10/2014 17:24 Calibration ID: 18779

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-186834/4	G31249.D
Level 2	IC 480-186834/5	G31250.D
Level 3	IC 480-186834/6	G31251.D
Level 4	IC 480-186834/7	G31252.D
Level 5	ICIS 480-186834/8	G31253.D
Level 6	IC 480-186834/9	G31254.D
Level 7	IC 480-186834/10	G31255.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	++++ 1.8978	1.9300 2.0753	1.9075	2.0292	1.8116	Ave		1.9419			0.1000	4.9		20.0			
Chloromethane	++++ 1.7244	1.6395 1.7921	1.6345	1.7232	1.6633	Ave		1.6962			0.1000	3.6		20.0			
Vinyl chloride	++++ 1.6006	1.5714 1.6700	1.5198	1.6455	1.5577	Ave		1.5942			0.1000	3.5		20.0			
Butadiene	++++ 1.3904	1.4727 1.4909	1.3245	1.4453	1.3342	Ave		1.4096				5.0		20.0			
Bromomethane	++++ 0.4555	0.4588 0.5603	0.4685	0.4398	0.4231	Ave		0.4677			0.1000	10.0		20.0			
Chloroethane	++++ 0.7955	0.9925 0.8037	0.8515	0.8571	0.7958	Ave		0.8493			0.1000	8.9		20.0			
Dichlorofluoromethane	++++ 1.6933	1.4069 1.7624	1.1484	1.3860	1.5200	Ave		1.4862				15.0		20.0			
Trichlorofluoromethane	++++ 1.8146	1.4458 1.9972	1.5321	1.6912	1.6630	Ave		1.6906			0.1000	12.0		20.0			
Ethyl ether	++++ 1.0415	1.1553 1.0528	1.0079	1.0016	1.0392	Ave		1.0497				5.3		20.0			
Acrolein	++++ 0.1520	0.1816 0.1528	0.1583	0.1454	0.1526	Ave		0.1571				8.1		20.0			
1,1-Dichloroethene	++++ 1.4576	1.4840 1.5068	1.4748	1.4488	1.3700	Ave		1.4570			0.1000	3.2		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	++++ 1.2546	1.2995 1.3503	1.2713	1.2693	1.1109	Ave		1.2593			0.1000	6.4		20.0			
Acetone	++++ 0.4341	0.5358 0.4236	0.4234	0.4197	0.4391	Ave		0.4460			0.1000	10.0		20.0			
Iodomethane	++++ 1.7063	1.5761 1.6320	1.6925	1.6990	1.7287	Ave		1.6724				3.4		20.0			

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 Buffalo Job No.: 480-62519-1 Analy Batch No.: 186834

SDG No.: _____

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/10/2014 15:07 Calibration End Date: 06/10/2014 17:24 Calibration ID: 18779

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	+++++ 4.0559	4.4653 4.1780	3.9548	3.8708	3.8295	Ave		4.0591			0.1000	5.8		20.0			
Allyl chloride	+++++ 2.0093	2.2219 2.0183	2.0432	1.8713	1.9378	Ave		2.0170				5.9		20.0			
Methyl acetate	+++++ 1.0152	1.0120 0.9789	0.9892	0.9805	1.0208	Ave		0.9994			0.1000	1.9		20.0			
Methylene Chloride	+++++ 1.5212	2.7907 1.4928	1.7762	1.5771	1.5291	Lin1	1.3080	1.4825			0.1000				1.0000		0.9900
2-Methyl-2-propanol	+++++ 0.1869	0.1791 0.1794	0.1688	0.1620	0.1794	Ave		0.1759				5.1		20.0			
Methyl tert-butyl ether	+++++ 4.1825	4.1329 4.1270	4.0899	4.0468	4.2001	Ave		4.1298			0.1000	1.4		20.0			
trans-1,2-Dichloroethene	+++++ 1.2188	1.4076 1.1883	1.2229	1.1700	1.1718	Ave		1.2299			0.1000	7.3		20.0			
Acrylonitrile	0.5296 0.4916	0.5146 0.4736	0.4846	0.4810	0.4993	Ave		0.4963				4.0		20.0			
Hexane	+++++ 1.6962	1.7912 1.7878	1.5892	1.6318	1.5672	Ave		1.6772				5.8		20.0			
1,1-Dichloroethane	+++++ 2.1504	2.3334 2.1673	2.0821	2.0997	2.1044	Ave		2.1562			0.2000	4.3		20.0			
Vinyl acetate	+++++ 2.5847	2.3200 2.5690	2.4308	2.3789	2.5457	Ave		2.4715				4.5		20.0			
2,2-Dichloropropane	+++++ 1.0796	1.1084 1.0367	1.0807	1.0533	1.0445	Ave		1.0672				2.5		20.0			
cis-1,2-Dichloroethene	+++++ 1.2666	1.3249 1.2848	1.2598	1.2222	1.2478	Ave		1.2677			0.1000	2.8		20.0			
2-Butanone (MEK)	+++++ 0.6488	0.5955 0.6281	0.6252	0.6000	0.6460	Ave		0.6239			0.1000	3.6		20.0			
Chlorobromomethane	+++++ 0.5994	0.5884 0.5945	0.5711	0.5763	0.5766	Ave		0.5844				1.9		20.0			
Tetrahydrofuran	+++++ 0.4417	0.5302 0.4353	0.4346	0.4250	0.4389	Ave		0.4510				8.7		20.0			
Chloroform	+++++ 1.3642	1.5268 1.3747	1.3310	1.3253	1.3235	Ave		1.3742			0.2000	5.7		20.0			
1,1,1-Trichloroethane	+++++ 1.6423	1.6378 1.6844	1.5319	1.5332	1.5417	Ave		1.5952			0.1000	4.2		20.0			
Cyclohexane	+++++ 2.2976	2.3730 2.4423	2.1572	2.2408	2.0929	Ave		2.2673			0.1000	5.8		20.0			
Carbon tetrachloride	+++++ 1.5346	1.4201 1.6541	1.4026	1.3938	1.3882	Ave		1.4656			0.1000	7.3		20.0			

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 Buffalo Job No.: 480-62519-1 Analy Batch No.: 186834

SDG No.: _____

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/10/2014 15:07 Calibration End Date: 06/10/2014 17:24 Calibration ID: 18779

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloropropene	+++++ 1.5942	1.6864 1.6302	1.4990	1.5348	1.4986	Ave		1.5738				4.8		20.0			
Isobutyl alcohol	+++++ 0.0742	0.0679 0.0712	0.0648	0.0644	0.0721	Ave		0.0691				5.8		20.0			
Benzene	+++++ 4.8941	5.2144 4.8332	4.9771	4.8262	4.8010	Ave		4.9243			0.5000	3.2		20.0			
1,2-Dichloroethane	+++++ 1.8942	1.9797 1.8772	1.8637	1.7903	1.8822	Ave		1.8812			0.1000	3.2		20.0			
n-Heptane	+++++ 1.5905	1.9830 1.7050	1.5767	1.5320	1.4788	Ave		1.6443				11.0		20.0			
Trichloroethene	+++++ 1.2138	1.2604 1.2464	1.2379	1.1610	1.1888	Ave		1.2180			0.2000	3.1		20.0			
Methylcyclohexane	+++++ 2.0591	2.1001 2.2652	1.9969	1.9522	1.8620	Ave		2.0393			0.1000	6.8		20.0			
1,2-Dichloropropane	+++++ 1.2256	1.1817 1.2245	1.1927	1.1609	1.1949	Ave		1.1967			0.1000	2.1		20.0			
Dibromomethane	+++++ 0.7465	0.7745 0.7478	0.7197	0.7089	0.7144	Ave		0.7353			0.1000	3.4		20.0			
1,4-Dioxane	+++++ 0.0074	0.0051 0.0068	0.0054	0.0066	0.0071	Ave		0.0064				15.0		20.0			
Bromodichloromethane	+++++ 1.6383	1.4884 1.6954	1.3928	1.4234	1.5490	Ave		1.5312			0.2000	7.8		20.0			
2-Chloroethyl vinyl ether	+++++ 0.8738	0.7962 0.8953	0.8001	0.7937	0.8413	Ave		0.8334				5.3		20.0			
cis-1,3-Dichloropropene	+++++ 2.1090	1.8440 2.1070	1.8540	1.8394	2.0192	Ave		1.9621			0.2000	6.7		20.0			
4-Methyl-2-pentanone (MIBK)	+++++ 0.6604	0.6176 0.6160	0.6322	0.6133	0.6622	Ave		0.6336			0.1000	3.5		20.0			
Toluene	+++++ 1.5589	1.6173 1.5197	1.5162	1.4723	1.5178	Ave		1.5337			0.4000	3.2		20.0			
trans-1,3-Dichloropropene	+++++ 0.9213	0.7402 0.9170	0.7637	0.7730	0.8627	Ave		0.8296			0.1000	9.7		20.0			
Ethyl methacrylate	+++++ 0.9001	0.7788 0.8824	0.7926	0.7852	0.8762	Ave		0.8359				6.7		20.0			
1,1,2-Trichloroethane	+++++ 0.4343	0.4169 0.4271	0.4123	0.3999	0.4296	Ave		0.4200			0.1000	3.0		20.0			
Tetrachloroethene	+++++ 0.5658	0.5623 0.5688	0.5609	0.5367	0.5399	Ave		0.5557			0.2000	2.5		20.0			
1,3-Dichloropropane	+++++ 0.9963	0.9498 0.9769	0.9700	0.8969	0.9841	Ave		0.9623				3.7		20.0			

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 Buffalo Job No.: 480-62519-1 Analy Batch No.: 186834

SDG No.: _____

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/10/2014 15:07 Calibration End Date: 06/10/2014 17:24 Calibration ID: 18779

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	++++ 0.4751	0.4354 0.4431	0.4501	0.4341	0.4746	Ave		0.4521			0.1000	4.1		20.0			
Dibromochloromethane	++++ 0.5416	0.3968 0.5593	0.4126	0.4106	0.4917	Ave		0.4688			0.1000	15.0		20.0			
1,2-Dibromoethane	++++ 0.5323	0.4973 0.5314	0.4911	0.4734	0.5255	Ave		0.5085				4.8		20.0			
Chlorobenzene	++++ 1.6692	1.6470 1.6184	1.6555	1.5358	1.6124	Ave		1.6230			0.5000	3.0		20.0			
1,1,1,2-Tetrachloroethane	++++ 0.5293	0.4713 0.5202	0.4569	0.4450	0.5009	Ave		0.4873				7.1		20.0			
Ethylbenzene	++++ 2.8995	2.9680 2.8136	2.8571	2.7331	2.8286	Ave		2.8500			0.1000	2.8		20.0			
m,p-Xylene	++++ 1.1472	1.1851 1.1331	1.0907	1.0622	1.0925	Ave		1.1185			0.1000	4.0		20.0			
o-Xylene	++++ 1.1159	1.1112 1.0879	1.0442	1.0315	1.0818	Ave		1.0787			0.3000	3.2		20.0			
Styrene	++++ 1.9531	1.8827 1.9144	1.7725	1.7580	1.8920	Ave		1.8621			0.3000	4.2		20.0			
Bromoform	++++ 0.3162	0.2097 0.3429	0.2057	0.2179	0.2711	Lin	-1.034	0.3481			0.1000				0.9970		0.9900
Isopropylbenzene	++++ 3.4980	3.4582 3.3924	3.4674	3.3801	3.4332	Ave		3.4382			0.1000	1.3		20.0			
Bromobenzene	++++ 0.7694	0.8263 0.7448	0.7648	0.7168	0.7547	Ave		0.7628				4.8		20.0			
1,1,2,2-Tetrachloroethane	++++ 0.8757	0.7878 0.8468	0.8189	0.7988	0.8654	Ave		0.8322			0.3000	4.3		20.0			
1,2,3-Trichloropropane	++++ 0.2861	0.2889 0.2754	0.2747	0.2668	0.2905	Ave		0.2804				3.4		20.0			
trans-1,4-Dichloro-2-butene	++++ 0.3112	0.2182 0.3032	0.2427	0.2507	0.2827	Ave		0.2681				14.0		20.0			
N-Propylbenzene	++++ 4.1334	4.2519 3.9612	4.1539	4.0135	4.0630	Ave		4.0961				2.6		20.0			
2-Chlorotoluene	++++ 0.7705	0.7889 0.7553	0.7851	0.7547	0.7694	Ave		0.7707				1.9		20.0			
1,3,5-Trimethylbenzene	++++ 3.0277	2.8271 2.9710	3.0033	2.9259	2.9926	Ave		2.9579				2.5		20.0			
4-Chlorotoluene	++++ 0.8149	0.8266 0.7980	0.7891	0.7687	0.8092	Ave		0.8011				2.6		20.0			
tert-Butylbenzene	++++ 0.6327	0.6302 0.6257	0.6304	0.6115	0.6160	Ave		0.6244				1.4		20.0			

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 Buffalo Job No.: 480-62519-1 Analy Batch No.: 186834

SDG No.: _____

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/10/2014 15:07 Calibration End Date: 06/10/2014 17:24 Calibration ID: 18779

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	++++ 3.1700	3.0204 3.0874	3.1402	3.0478	3.1081	Ave		3.0957				1.8		20.0			
sec-Butylbenzene	++++ 3.7342	3.6715 3.7266	3.6664	3.6203	3.6248	Ave		3.6740				1.3		20.0			
1,3-Dichlorobenzene	++++ 1.5273	1.6198 1.4555	1.5690	1.4827	1.5227	Ave		1.5295			0.6000	3.9		20.0			
4-Isopropyltoluene	++++ 3.2033	3.1607 3.1321	3.2049	3.0803	3.1390	Ave		3.1534				1.5		20.0			
1,4-Dichlorobenzene	++++ 1.5970	1.6653 1.5609	1.6069	1.4927	1.5931	Ave		1.5860			0.5000	3.6		20.0			
n-Butylbenzene	++++ 3.0044	2.8130 3.0189	2.8648	2.8357	2.8756	Ave		2.9021				3.0		20.0			
1,2-Dichlorobenzene	++++ 1.5216	1.5580 1.5005	1.5048	1.4498	1.5108	Ave		1.5076			0.4000	2.3		20.0			
1,2-Dibromo-3-Chloropropane	++++ 0.2055	0.1466 0.2204	0.1683	0.1609	0.1918	Ave		0.1822			0.0500	16.0		20.0			
1,2,4-Trichlorobenzene	++++ 1.1656	1.0297 1.1975	1.0724	1.0429	1.0932	Ave		1.1002			0.2000	6.1		20.0			
Hexachlorobutadiene	++++ 0.4688	0.5024 0.5079	0.4401	0.4183	0.4286	Ave		0.4610				8.3		20.0			
Naphthalene	++++ 3.4979	2.8043 3.5333	3.0755	3.0066	3.2771	Ave		3.1991				9.0		20.0			
1,2,3-Trichlorobenzene	++++ 1.1282	1.0219 1.1459	1.0285	0.9917	1.0496	Ave		1.0610				5.8		20.0			
Dibromofluoromethane (Surr)	1.0567 1.0518	1.0151 1.0432	1.0482	1.0714	1.0541	Ave		1.0487				1.6		20.0			
1,2-Dichloroethane-d4 (Surr)	0.7774 0.7631	0.7644 0.7553	0.7760	0.7985	0.7545	Ave		0.7699				2.0		20.0			
Toluene-d8 (Surr)	2.2745 2.2654	2.2845 2.2594	2.2567	2.2590	2.2713	Ave		2.2673				0.5		20.0			
4-Bromofluorobenzene (Surr)	0.6107 0.6137	0.6017 0.6174	0.6050	0.6067	0.6135	Ave		0.6098				0.9		20.0			

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 Buffalo Job No.: 480-62519-1 Analy Batch No.: 186834

SDG No.: _____

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/10/2014 15:07 Calibration End Date: 06/10/2014 17:24 Calibration ID: 18779

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-186834/4	G31249.D
Level 2	IC 480-186834/5	G31250.D
Level 3	IC 480-186834/6	G31251.D
Level 4	IC 480-186834/7	G31252.D
Level 5	ICIS 480-186834/8	G31253.D
Level 6	IC 480-186834/9	G31254.D
Level 7	IC 480-186834/10	G31255.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	++++ 418561	8191 921093	40302	85050	196995	++++ 50.0	1.00 100	5.00	10.0	25.0
Chloromethane	FB	Ave	++++ 380327	6958 795411	34535	72226	180873	++++ 50.0	1.00 100	5.00	10.0	25.0
Vinyl chloride	FB	Ave	++++ 353008	6669 741203	32111	68968	169386	++++ 50.0	1.00 100	5.00	10.0	25.0
Butadiene	FB	Ave	++++ 306656	6250 661706	27984	60575	145083	++++ 50.0	1.00 100	5.00	10.0	25.0
Bromomethane	FB	Ave	++++ 100470	1947 248676	9898	18435	46003	++++ 50.0	1.00 100	5.00	10.0	25.0
Chloroethane	FB	Ave	++++ 175441	4212 356699	17990	35924	86541	++++ 50.0	1.00 100	5.00	10.0	25.0
Dichlorofluoromethane	FB	Ave	++++ 373458	5971 782191	24264	58093	165290	++++ 50.0	1.00 100	5.00	10.0	25.0
Trichlorofluoromethane	FB	Ave	++++ 400211	6136 886410	32371	70885	180832	++++ 50.0	1.00 100	5.00	10.0	25.0
Ethyl ether	FB	Ave	++++ 229713	4903 467245	21296	41979	113004	++++ 50.0	1.00 100	5.00	10.0	25.0
Acrolein	FB	Ave	++++ 167645	3853 339034	16723	30480	82965	++++ 250	5.00 500	25.0	50.0	125
1,1-Dichloroethene	FB	Ave	++++ 321473	6298 668750	31160	60724	148970	++++ 50.0	1.00 100	5.00	10.0	25.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	++++ 276716	5515 599326	26861	53202	120804	++++ 50.0	1.00 100	5.00	10.0	25.0
Acetone	FB	Ave	++++ 478733	11370 940074	44734	87947	238736	++++ 250	5.00 500	25.0	50.0	125
Iodomethane	FB	Ave	++++ 376324	6689 724336	35761	71209	187981	++++ 50.0	1.00 100	5.00	10.0	25.0
Carbon disulfide	FB	Ave	++++ 894549	18951 1854336	83560	162238	416426	++++ 50.0	1.00 100	5.00	10.0	25.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1 Analy Batch No.: 186834

SDG No.: _____

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/10/2014 15:07 Calibration End Date: 06/10/2014 17:24 Calibration ID: 18779

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Allyl chloride	FB	Ave	++++ 443168	9430 895806	43171	78430	210713	++++ 50.0	1.00 100	5.00	10.0	25.0
Methyl acetate	FB	Ave	++++ 1119583	21475 2172320	104497	205484	555023	++++ 250	5.00 500	25.0	50.0	125
Methylene Chloride	FB	Lin1	++++ 335500	11844 662559	37528	66101	166281	++++ 50.0	1.00 100	5.00	10.0	25.0
2-Methyl-2-propanol	FB	Ave	++++ 412214	7599 796454	35673	67879	195109	++++ 500	10.0 1000	50.0	100	250
Methyl tert-butyl ether	FB	Ave	++++ 922460	17540 1831700	86413	169612	456720	++++ 50.0	1.00 100	5.00	10.0	25.0
trans-1,2-Dichloroethene	FB	Ave	++++ 268801	5974 527400	25838	49036	127425	++++ 50.0	1.00 100	5.00	10.0	25.0
Acrylonitrile	FB	Ave	11101 1084316	21838 2102092	102389	201596	542951	5.00 500	10.0 1000	50.0	100	250
Hexane	FB	Ave	++++ 374103	7602 793486	33578	68395	170420	++++ 50.0	1.00 100	5.00	10.0	25.0
1,1-Dichloroethane	FB	Ave	++++ 474278	9903 961907	43991	88005	228836	++++ 50.0	1.00 100	5.00	10.0	25.0
Vinyl acetate	FB	Ave	++++ 1140145	19692 2280429	102717	199412	553652	++++ 100	2.00 200	10.0	20.0	50.0
2,2-Dichloropropane	FB	Ave	++++ 238100	4704 460129	22833	44146	113575	++++ 50.0	1.00 100	5.00	10.0	25.0
cis-1,2-Dichloroethene	FB	Ave	++++ 279357	5623 570220	26617	51224	135689	++++ 50.0	1.00 100	5.00	10.0	25.0
2-Butanone (MEK)	FB	Ave	++++ 715495	12637 1393783	66046	125730	351245	++++ 250	5.00 500	25.0	50.0	125
Chlorobromomethane	FB	Ave	++++ 132194	2497 263840	12066	24154	62705	++++ 50.0	1.00 100	5.00	10.0	25.0
Tetrahydrofuran	FB	Ave	++++ 194858	4500 386392	18366	35628	95453	++++ 100	2.00 200	10.0	20.0	50.0
Chloroform	FB	Ave	++++ 300869	6480 610126	28123	55545	143914	++++ 50.0	1.00 100	5.00	10.0	25.0
1,1,1-Trichloroethane	FB	Ave	++++ 362222	6951 747584	32366	64262	167647	++++ 50.0	1.00 100	5.00	10.0	25.0
Cyclohexane	FB	Ave	++++ 506748	10071 1083973	45578	93919	227585	++++ 50.0	1.00 100	5.00	10.0	25.0
Carbon tetrachloride	FB	Ave	++++ 338457	6027 734141	29634	58418	150951	++++ 50.0	1.00 100	5.00	10.0	25.0
1,1-Dichloropropene	FB	Ave	++++ 351598	7157 723533	31671	64328	162960	++++ 50.0	1.00 100	5.00	10.0	25.0
Isobutyl alcohol	FB	Ave	++++ 409148	7207 789673	34232	67531	196010	++++ 1250	25.0 2500	125	250	625

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

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1 Analy Batch No.: 186834

SDG No.: _____

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/10/2014 15:07 Calibration End Date: 06/10/2014 17:24 Calibration ID: 18779

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Benzene	FB	Ave	++++ 1079415	22130 2145149	105160	202280	522066	++++ 50.0	1.00 100	5.00	10.0	25.0
1,2-Dichloroethane	FB	Ave	++++ 417767	8402 833172	39377	75035	204674	++++ 50.0	1.00 100	5.00	10.0	25.0
n-Heptane	FB	Ave	++++ 350786	8416 756734	33313	64211	160810	++++ 50.0	1.00 100	5.00	10.0	25.0
Trichloroethene	FB	Ave	++++ 267707	5349 553189	26155	48662	129274	++++ 50.0	1.00 100	5.00	10.0	25.0
Methylcyclohexane	FB	Ave	++++ 454134	8913 1005370	42191	81823	202481	++++ 50.0	1.00 100	5.00	10.0	25.0
1,2-Dichloropropane	FB	Ave	++++ 270311	5015 543465	25200	48657	129939	++++ 50.0	1.00 100	5.00	10.0	25.0
Dibromomethane	FB	Ave	++++ 164652	3287 331916	15207	29713	77682	++++ 50.0	1.00 100	5.00	10.0	25.0
1,4-Dioxane	CBZ	Ave	++++ 66944	881 126227	4787	11825	31746	++++ 1000	20.0 2000	100	200	500
Bromodichloromethane	FB	Ave	++++ 361332	6317 752482	29428	59659	168438	++++ 50.0	1.00 100	5.00	10.0	25.0
2-Chloroethyl vinyl ether	FB	Ave	++++ 192725	3379 397353	16904	33268	91485	++++ 50.0	1.00 100	5.00	10.0	25.0
cis-1,3-Dichloropropene	FB	Ave	++++ 465152	7826 935173	39172	77094	219574	++++ 50.0	1.00 100	5.00	10.0	25.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	++++ 1495811	26917 2874319	139657	273768	741257	++++ 250	5.00 500	25.0	50.0	125
Toluene	CBZ	Ave	++++ 706177	14097 1418221	66986	131438	339809	++++ 50.0	1.00 100	5.00	10.0	25.0
trans-1,3-Dichloropropene	CBZ	Ave	++++ 417362	6452 855770	33740	69006	193140	++++ 50.0	1.00 100	5.00	10.0	25.0
Ethyl methacrylate	CBZ	Ave	++++ 407749	6788 823473	35018	70096	196159	++++ 50.0	1.00 100	5.00	10.0	25.0
1,1,2-Trichloroethane	CBZ	Ave	++++ 196718	3634 398606	18218	35697	96168	++++ 50.0	1.00 100	5.00	10.0	25.0
Tetrachloroethene	CBZ	Ave	++++ 256319	4901 530823	24780	47913	120878	++++ 50.0	1.00 100	5.00	10.0	25.0
1,3-Dichloropropane	CBZ	Ave	++++ 451343	8279 911650	42858	80070	220314	++++ 50.0	1.00 100	5.00	10.0	25.0
2-Hexanone	CBZ	Ave	++++ 1076109	18974 2067337	99439	193761	531299	++++ 250	5.00 500	25.0	50.0	125
Dibromochloromethane	CBZ	Ave	++++ 245369	3459 521912	18228	36655	110083	++++ 50.0	1.00 100	5.00	10.0	25.0
1,2-Dibromoethane	CBZ	Ave	++++ 241143	4335 495939	21699	42263	117655	++++ 50.0	1.00 100	5.00	10.0	25.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1 Analy Batch No.: 186834

SDG No.: _____

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/10/2014 15:07 Calibration End Date: 06/10/2014 17:24 Calibration ID: 18779

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chlorobenzene	CBZ	Ave	++++ 756152	14356 1510287	73142	137110	360971	++++ 50.0	1.00 100	5.00	10.0	25.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	++++ 239788	4108 485493	20186	39725	112144	++++ 50.0	1.00 100	5.00	10.0	25.0
Ethylbenzene	CBZ	Ave	++++ 1313467	25871 2625638	126229	243994	633271	++++ 50.0	1.00 100	5.00	10.0	25.0
m,p-Xylene	CBZ	Ave	++++ 519676	10330 1057424	48187	94828	244594	++++ 50.0	1.00 100	5.00	10.0	25.0
o-Xylene	CBZ	Ave	++++ 505499	9686 1015252	46133	92082	242192	++++ 50.0	1.00 100	5.00	10.0	25.0
Styrene	CBZ	Ave	++++ 884747	16411 1786494	78313	156946	423587	++++ 50.0	1.00 100	5.00	10.0	25.0
Bromoform	CBZ	Lin	++++ 143227	1828 319952	9087	19453	60683	++++ 50.0	1.00 100	5.00	10.0	25.0
Isopropylbenzene	DCB	Ave	++++ 1325234	24793 2691580	122801	242134	630478	++++ 50.0	1.00 100	5.00	10.0	25.0
Bromobenzene	DCB	Ave	++++ 291471	5924 590905	27086	51350	138590	++++ 50.0	1.00 100	5.00	10.0	25.0
1,1,2,2-Tetrachloroethane	DCB	Ave	++++ 331765	5648 671847	29001	57223	158921	++++ 50.0	1.00 100	5.00	10.0	25.0
1,2,3-Trichloropropane	DCB	Ave	++++ 108404	2071 218478	9729	19110	53355	++++ 50.0	1.00 100	5.00	10.0	25.0
trans-1,4-Dichloro-2-butene	DCB	Ave	++++ 117889	1564 240533	8597	17958	51909	++++ 50.0	1.00 100	5.00	10.0	25.0
N-Propylbenzene	DCB	Ave	++++ 1565934	30483 3142827	147112	287509	746142	++++ 50.0	1.00 100	5.00	10.0	25.0
2-Chlorotoluene	DCB	Ave	++++ 291916	5656 599244	27806	54062	141292	++++ 50.0	1.00 100	5.00	10.0	25.0
1,3,5-Trimethylbenzene	DCB	Ave	++++ 1147068	20268 2357220	106365	209595	549569	++++ 50.0	1.00 100	5.00	10.0	25.0
4-Chlorotoluene	DCB	Ave	++++ 308728	5926 633156	27948	55069	148611	++++ 50.0	1.00 100	5.00	10.0	25.0
tert-Butylbenzene	DCB	Ave	++++ 239712	4518 496437	22326	43804	113122	++++ 50.0	1.00 100	5.00	10.0	25.0
1,2,4-Trimethylbenzene	DCB	Ave	++++ 1200977	21654 2449590	111213	218329	570774	++++ 50.0	1.00 100	5.00	10.0	25.0
sec-Butylbenzene	DCB	Ave	++++ 1414691	26322 2956730	129850	259338	665671	++++ 50.0	1.00 100	5.00	10.0	25.0
1,3-Dichlorobenzene	DCB	Ave	++++ 578622	11613 1154798	55567	106211	279625	++++ 50.0	1.00 100	5.00	10.0	25.0
4-Isopropyltoluene	DCB	Ave	++++ 1213574	22660 2485026	113505	220657	576459	++++ 50.0	1.00 100	5.00	10.0	25.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1 Analy Batch No.: 186834

SDG No.: _____

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/10/2014 15:07 Calibration End Date: 06/10/2014 17:24 Calibration ID: 18779

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,4-Dichlorobenzene	DCB	Ave	+++++ 605022	11939 1238414	56909	106930	292553	+++++ 50.0	1.00 100	5.00	10.0	25.0
n-Butylbenzene	DCB	Ave	+++++ 1138231	20167 2395195	101460	203138	528080	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,2-Dichlorobenzene	DCB	Ave	+++++ 576465	11170 1190480	53295	103855	277446	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	+++++ 77856	1051 174842	5961	11525	35220	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,2,4-Trichlorobenzene	DCB	Ave	+++++ 441605	7382 950081	37980	74706	200763	+++++ 50.0	1.00 100	5.00	10.0	25.0
Hexachlorobutadiene	DCB	Ave	+++++ 177613	3602 402966	15587	29963	78709	+++++ 50.0	1.00 100	5.00	10.0	25.0
Naphthalene	DCB	Ave	+++++ 1325175	20105 2803352	108923	215380	601815	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,2,3-Trichlorobenzene	DCB	Ave	+++++ 427411	7326 909141	36425	71043	192748	+++++ 50.0	1.00 100	5.00	10.0	25.0
Dibromofluoromethane (Surr)	FB	Ave	110753 115990	107704 115750	110731	112266	114629	25.0 25.0	25.0 25.0	25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	81481 84157	81107 83807	81982	83664	82040	25.0 25.0	25.0 25.0	25.0	25.0	25.0
Toluene-d8 (Surr)	CBZ	Ave	497510 513118	497821 527132	498513	504162	508503	25.0 25.0	25.0 25.0	25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	133586 138999	131127 144031	133657	135410	137349	25.0 25.0	25.0 25.0	25.0	25.0	25.0

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31249.D
 Lims ID: IC 0.5
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 10-Jun-2014 15:07:30 ALS Bottle#: 2 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 0.5
 Misc. Info.: 480-0032823-004 =480-0032823-004
 Operator ID: RAS Instrument ID: HP5973G
 Sublist: chrom-G-8260*sub20
 Method: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 11-Jun-2014 09:12:59 Calib Date: 10-Jun-2014 21:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31265.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK047

First Level Reviewer: sobolr

Date: 11-Jun-2014 09:12:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.602	5.596	0.006	98	104806	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.595	8.595	0.000	87	218731	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.967	10.973	-0.006	97	181210	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	5.004	5.005	-0.001	80	110753	25.0	25.2	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.315	5.316	-0.001	0	81481	25.0	25.2	
\$ 5 Toluene-d8 (Surr)	98	7.114	7.114	0.000	93	497510	25.0	25.1	
\$ 6 4-Bromofluorobenzene (Surr	174	9.839	9.839	0.000	81	133586	25.0	25.0	
10 Dichlorodifluoromethane	85		1.426					ND	
12 Chloromethane	50		1.579					ND	
13 Vinyl chloride	62		1.694					ND	
144 Butadiene	54		1.719					ND	
14 Bromomethane	94		1.993					ND	
15 Chloroethane	64		2.121					ND	
16 Dichlorofluoromethane	67		2.341					ND	
17 Trichlorofluoromethane	101		2.353					ND	
18 Ethyl ether	59		2.621					ND	
19 Acrolein	56		2.786					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.871					ND	
20 1,1-Dichloroethene	96		2.877					ND	
22 Acetone	43		2.938					ND	
23 Iodomethane	142		3.042					ND	
24 Carbon disulfide	76		3.072					ND	
26 3-Chloro-1-propene	41		3.200					ND	
28 Methyl acetate	43		3.243					ND	
29 Methylene Chloride	84		3.383					ND	
30 2-Methyl-2-propanol	59		3.505					ND	
31 Methyl tert-butyl ether	73		3.572					ND	
32 trans-1,2-Dichloroethene	96		3.578					ND	
33 Acrylonitrile	53	3.621	3.603	0.018	95	11101	5.00	5.34	
34 Hexane	57		3.792					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63		3.987					ND	
38 Vinyl acetate	43		4.041					ND	
42 2,2-Dichloropropane	77		4.517					ND	
43 cis-1,2-Dichloroethene	96		4.541					ND	
44 2-Butanone (MEK)	43		4.572					ND	
48 Chlorobromomethane	128		4.773					ND	
49 Tetrahydrofuran	42		4.810					ND	
50 Chloroform	85		4.852					ND	
51 1,1,1-Trichloroethane	97		4.980					ND	
52 Cyclohexane	56		5.005					ND	
53 Carbon tetrachloride	117		5.127					ND	
54 1,1-Dichloropropene	75		5.133					ND	
55 Isobutyl alcohol	43		5.322					ND	
56 Benzene	78		5.334					ND	
57 1,2-Dichloroethane	62		5.389					ND	
59 n-Heptane	43		5.535					ND	
61 Trichloroethene	95		5.944					ND	
62 Methylcyclohexane	83		6.084					ND	
63 1,2-Dichloropropane	63		6.175					ND	
65 Dibromomethane	93		6.309					ND	
66 1,4-Dioxane	88		6.322					ND	
67 Dichlorobromomethane	83		6.462					ND	
70 2-Chloroethyl vinyl ether	63		6.736					ND	
72 cis-1,3-Dichloropropene	75		6.882					ND	
73 4-Methyl-2-pentanone (MIBK)	43		7.016					ND	
74 Toluene	92		7.181					ND	
76 trans-1,3-Dichloropropene	75		7.443					ND	
78 Ethyl methacrylate	69		7.498					ND	
79 1,1,2-Trichloroethane	83		7.632					ND	
80 Tetrachloroethene	166		7.724					ND	
81 1,3-Dichloropropane	76		7.797					ND	
82 2-Hexanone	43		7.858					ND	
83 Chlorodibromomethane	129		8.035					ND	
84 Ethylene Dibromide	107		8.144					ND	
86 Chlorobenzene	112		8.626					ND	
88 1,1,1,2-Tetrachloroethane	131		8.723					ND	
89 Ethylbenzene	91		8.723					ND	
90 m-Xylene & p-Xylene	106		8.845					ND	
91 o-Xylene	106		9.272					ND	
92 Styrene	104		9.297					ND	
93 Bromoform	173		9.534					ND	
95 Isopropylbenzene	105		9.656					ND	
97 Bromobenzene	156		9.992					ND	
98 1,1,2,2-Tetrachloroethane	83		10.022					ND	
99 1,2,3-Trichloropropane	110		10.059					ND	
100 trans-1,4-Dichloro-2-buten	53		10.071					ND	
101 N-Propylbenzene	91		10.077					ND	
102 2-Chlorotoluene	126		10.174					ND	
104 1,3,5-Trimethylbenzene	105		10.248					ND	
105 4-Chlorotoluene	126		10.284					ND	
106 tert-Butylbenzene	134		10.565					ND	
107 1,2,4-Trimethylbenzene	105		10.619					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105		10.778					ND	
110 1,3-Dichlorobenzene	146		10.906					ND	
111 4-Isopropyltoluene	119		10.912					ND	
113 1,4-Dichlorobenzene	146		10.991					ND	
115 n-Butylbenzene	91		11.296					ND	
116 1,2-Dichlorobenzene	146		11.345					ND	
117 1,2-Dibromo-3-Chloropropan	75		12.058					ND	
119 1,2,4-Trichlorobenzene	180		12.747					ND	
120 Hexachlorobutadiene	225		12.863					ND	
121 Naphthalene	128		12.954					ND	
122 1,2,3-Trichlorobenzene	180		13.162					ND	
S 123 Total BTEX	1		30.000					0	
S 124 Xylenes, Total	1		30.000					0	
S 125 1,2-Dichloroethene, Total	1		30.000					0	
S 126 1,3-Dichloropropene, Total	1		30.000					0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

TestAmerica Buffalo

Data File: \\Bufchrom\\ChromData\\HP5973G\\20140610-32823.b\\G31249.D

Injection Date: 10-Jun-2014 15:07:30

Instrument ID: HP5973G

Operator ID: RAS

Lims ID: IC 0.5

Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL

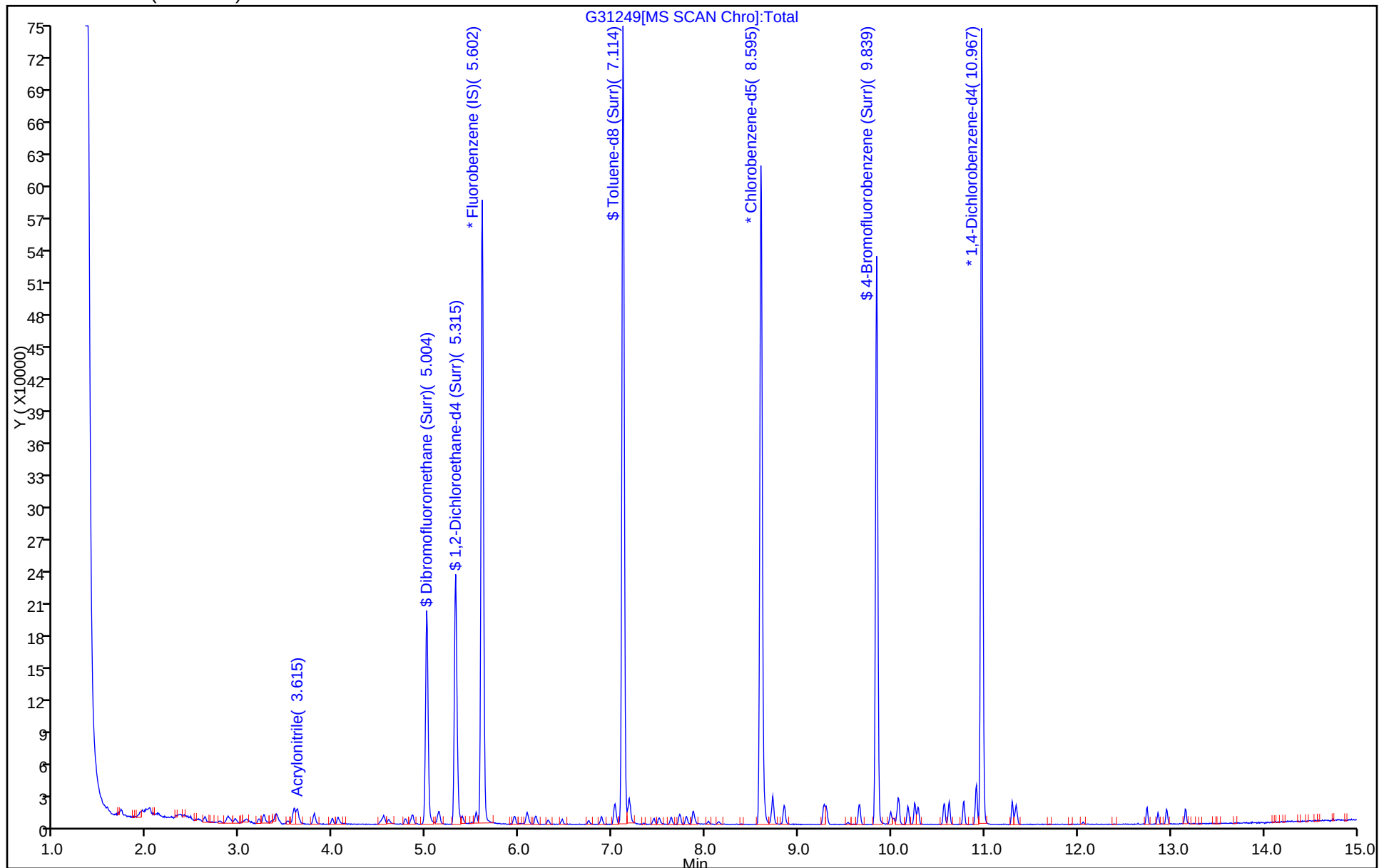
Dil. Factor: 1.0000

ALS Bottle#: 2

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31250.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 10-Jun-2014 15:30:30 ALS Bottle#: 3 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC
 Misc. Info.: 480-0032823-005 =480-0032823-005
 Operator ID: RAS Instrument ID: HP5973G
 Sublist: chrom-G-8260*sub20
 Method: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 11-Jun-2014 09:19:16 Calib Date: 10-Jun-2014 21:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31265.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK047

First Level Reviewer: sobolr

Date: 11-Jun-2014 09:19:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.602	5.596	0.006	99	106101	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.595	8.595	0.000	88	217913	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.973	10.973	0.000	97	179232	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	5.005	5.005	0.000	80	107704	25.0	24.2	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.315	5.316	-0.001	0	81107	25.0	24.8	
\$ 5 Toluene-d8 (Surr)	98	7.114	7.114	0.000	93	497821	25.0	25.2	
\$ 6 4-Bromofluorobenzene (Surr	174	9.839	9.839	0.000	82	131127	25.0	24.7	
10 Dichlorodifluoromethane	85	1.420	1.426	-0.006	58	8191	1.00	0.99	
12 Chloromethane	50	1.578	1.579	-0.001	82	6958	1.00	0.9666	M
13 Vinyl chloride	62	1.688	1.694	-0.006	53	6669	1.00	0.9857	
144 Butadiene	54	1.719	1.719	0.000	93	6250	1.00	1.04	M
14 Bromomethane	94	1.987	1.993	-0.006	75	1947	1.00	1.00	M
15 Chloroethane	64	2.127	2.121	0.006	14	4212	1.00	1.17	
16 Dichlorofluoromethane	67	2.328	2.341	-0.013	59	5971	1.00	0.9467	M
17 Trichlorofluoromethane	101	2.359	2.353	0.006	53	6136	1.00	0.8552	
18 Ethyl ether	59	2.615	2.621	-0.006	83	4903	1.00	1.10	
19 Acrolein	56	2.779	2.786	-0.007	73	3853	5.00	5.78	
21 1,1,2-Trichloro-1,2,2-trif	101	2.883	2.871	0.012	7	5515	1.00	1.06	M
20 1,1-Dichloroethene	96	2.859	2.877	-0.018	73	6298	1.00	1.02	
22 Acetone	43	2.944	2.938	0.006	96	11370	5.00	6.01	
23 Iodomethane	142	3.029	3.042	-0.013	73	6689	1.00	0.9424	
24 Carbon disulfide	76	3.072	3.072	0.000	95	18951	1.00	1.10	
26 3-Chloro-1-propene	41	3.206	3.200	0.006	66	9430	1.00	1.10	
28 Methyl acetate	43	3.249	3.243	0.006	94	21475	5.00	5.06	M
29 Methylene Chloride	84	3.383	3.383	0.000	78	11844	1.00	1.00	
30 2-Methyl-2-propanol	59	3.517	3.505	0.012	85	7599	10.0	10.2	
31 Methyl tert-butyl ether	73	3.578	3.572	0.006	82	17540	1.00	1.00	
32 trans-1,2-Dichloroethene	96	3.578	3.578	0.000	56	5974	1.00	1.14	
33 Acrylonitrile	53	3.608	3.603	0.005	97	21838	10.0	10.4	
34 Hexane	57	3.797	3.792	0.005	88	7602	1.00	1.07	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.993	3.987	0.006	64	9903	1.00	1.08	
38 Vinyl acetate	43	4.047	4.041	0.006	95	19692	2.00	1.88	
42 2,2-Dichloropropane	77	4.517	4.517	0.000	63	4704	1.00	1.04	
43 cis-1,2-Dichloroethene	96	4.541	4.541	0.000	56	5623	1.00	1.05	
44 2-Butanone (MEK)	43	4.590	4.572	0.018	91	12637	5.00	4.77	
48 Chlorobromomethane	128	4.785	4.773	0.012	75	2497	1.00	1.01	M
49 Tetrahydrofuran	42	4.828	4.810	0.018	83	4500	2.00	2.35	
50 Chloroform	85	4.852	4.852	0.000	72	6480	1.00	1.11	
51 1,1,1-Trichloroethane	97	4.980	4.980	0.000	68	6951	1.00	1.03	
52 Cyclohexane	56	5.005	5.005	0.000	23	10071	1.00	1.05	
53 Carbon tetrachloride	117	5.126	5.127	-0.001	69	6027	1.00	0.9690	
54 1,1-Dichloropropene	75	5.139	5.133	0.006	86	7157	1.00	1.07	
55 Isobutyl alcohol	43	5.334	5.322	0.012	42	7207	25.0	24.6	
56 Benzene	78	5.334	5.334	0.000	92	22130	1.00	1.06	
57 1,2-Dichloroethane	62	5.389	5.389	0.000	68	8402	1.00	1.05	
59 n-Heptane	43	5.535	5.535	0.000	85	8416	1.00	1.21	
61 Trichloroethene	95	5.950	5.944	0.006	78	5349	1.00	1.03	
62 Methylcyclohexane	83	6.090	6.084	0.006	84	8913	1.00	1.03	
63 1,2-Dichloropropane	63	6.181	6.175	0.006	71	5015	1.00	0.9874	
65 Dibromomethane	93	6.309	6.309	0.000	75	3287	1.00	1.05	
66 1,4-Dioxane	88	6.358	6.322	0.036	0	881	20.0	16.3	M
67 Dichlorobromomethane	83	6.455	6.462	-0.007	77	6317	1.00	0.9721	
70 2-Chloroethyl vinyl ether	63	6.742	6.736	0.006	66	3379	1.00	0.9553	
72 cis-1,3-Dichloropropene	75	6.888	6.882	0.006	63	7826	1.00	0.9398	
73 4-Methyl-2-pentanone (MIBK)	43	7.022	7.016	0.006	93	26917	5.00	4.87	
74 Toluene	92	7.181	7.181	0.000	92	14097	1.00	1.05	
76 trans-1,3-Dichloropropene	75	7.443	7.443	0.000	69	6452	1.00	0.8922	
78 Ethyl methacrylate	69	7.498	7.498	0.000	76	6788	1.00	0.9317	
79 1,1,2-Trichloroethane	83	7.638	7.632	0.006	73	3634	1.00	0.99	
80 Tetrachloroethene	166	7.730	7.724	0.006	81	4901	1.00	1.01	
81 1,3-Dichloropropane	76	7.797	7.797	0.000	86	8279	1.00	0.9870	
82 2-Hexanone	43	7.864	7.858	0.006	93	18974	5.00	4.82	
83 Chlorodibromomethane	129	8.028	8.035	-0.007	64	3459	1.00	0.8465	
84 Ethylene Dibromide	107	8.144	8.144	0.000	66	4335	1.00	0.9780	
86 Chlorobenzene	112	8.626	8.626	0.000	46	14356	1.00	1.01	
88 1,1,1,2-Tetrachloroethane	131	8.717	8.723	-0.006	20	4108	1.00	0.9672	
89 Ethylbenzene	91	8.723	8.723	0.000	95	25871	1.00	1.04	
90 m-Xylene & p-Xylene	106	8.845	8.845	0.000	0	10330	1.00	1.06	
91 o-Xylene	106	9.272	9.272	0.000	89	9686	1.00	1.03	
92 Styrene	104	9.296	9.297	-0.001	84	16411	1.00	1.01	
93 Bromoform	173	9.540	9.534	0.006	61	1828	1.00	3.57	
95 Isopropylbenzene	105	9.656	9.656	0.000	89	24793	1.00	1.01	
97 Bromobenzene	156	9.991	9.992	-0.001	91	5924	1.00	1.08	
98 1,1,2,2-Tetrachloroethane	83	10.028	10.022	0.006	68	5648	1.00	0.9466	
99 1,2,3-Trichloropropane	110	10.058	10.059	-0.001	57	2071	1.00	1.03	
100 trans-1,4-Dichloro-2-buten	53	10.071	10.071	0.000	21	1564	1.00	0.8137	
101 N-Propylbenzene	91	10.077	10.077	0.000	96	30483	1.00	1.04	
102 2-Chlorotoluene	126	10.174	10.174	0.000	88	5656	1.00	1.02	
104 1,3,5-Trimethylbenzene	105	10.247	10.248	-0.001	90	20268	1.00	0.9558	
105 4-Chlorotoluene	126	10.284	10.284	0.000	87	5926	1.00	1.03	
106 tert-Butylbenzene	134	10.564	10.565	-0.001	85	4518	1.00	1.01	
107 1,2,4-Trimethylbenzene	105	10.619	10.619	0.000	88	21654	1.00	0.9757	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.778	10.778	0.000	82	26322	1.00	1.00	
110 1,3-Dichlorobenzene	146	10.912	10.906	0.006	87	11613	1.00	1.06	
111 4-Isopropyltoluene	119	10.918	10.912	0.006	95	22660	1.00	1.00	
113 1,4-Dichlorobenzene	146	10.991	10.991	0.000	82	11939	1.00	1.05	
115 n-Butylbenzene	91	11.296	11.296	0.000	93	20167	1.00	0.9693	
116 1,2-Dichlorobenzene	146	11.345	11.345	0.000	89	11170	1.00	1.03	
117 1,2-Dibromo-3-Chloropropan	75	12.058	12.058	0.000	1	1051	1.00	0.8044	
119 1,2,4-Trichlorobenzene	180	12.747	12.747	0.000	84	7382	1.00	0.9359	
120 Hexachlorobutadiene	225	12.863	12.863	0.000	74	3602	1.00	1.09	
121 Naphthalene	128	12.960	12.954	0.006	92	20105	1.00	0.8766	
122 1,2,3-Trichlorobenzene	180	13.155	13.162	-0.007	83	7326	1.00	0.9632	
S 125 1,2-Dichloroethene, Total	1				0			2.19	
S 126 1,3-Dichloropropene, Total	1				0			1.83	
S 123 Total BTEX	1				0			5.24	
S 124 Xylenes, Total	1				0			2.09	

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31250.D

Injection Date: 10-Jun-2014 15:30:30

Instrument ID: HP5973G

Operator ID: RAS

Lims ID: IC

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

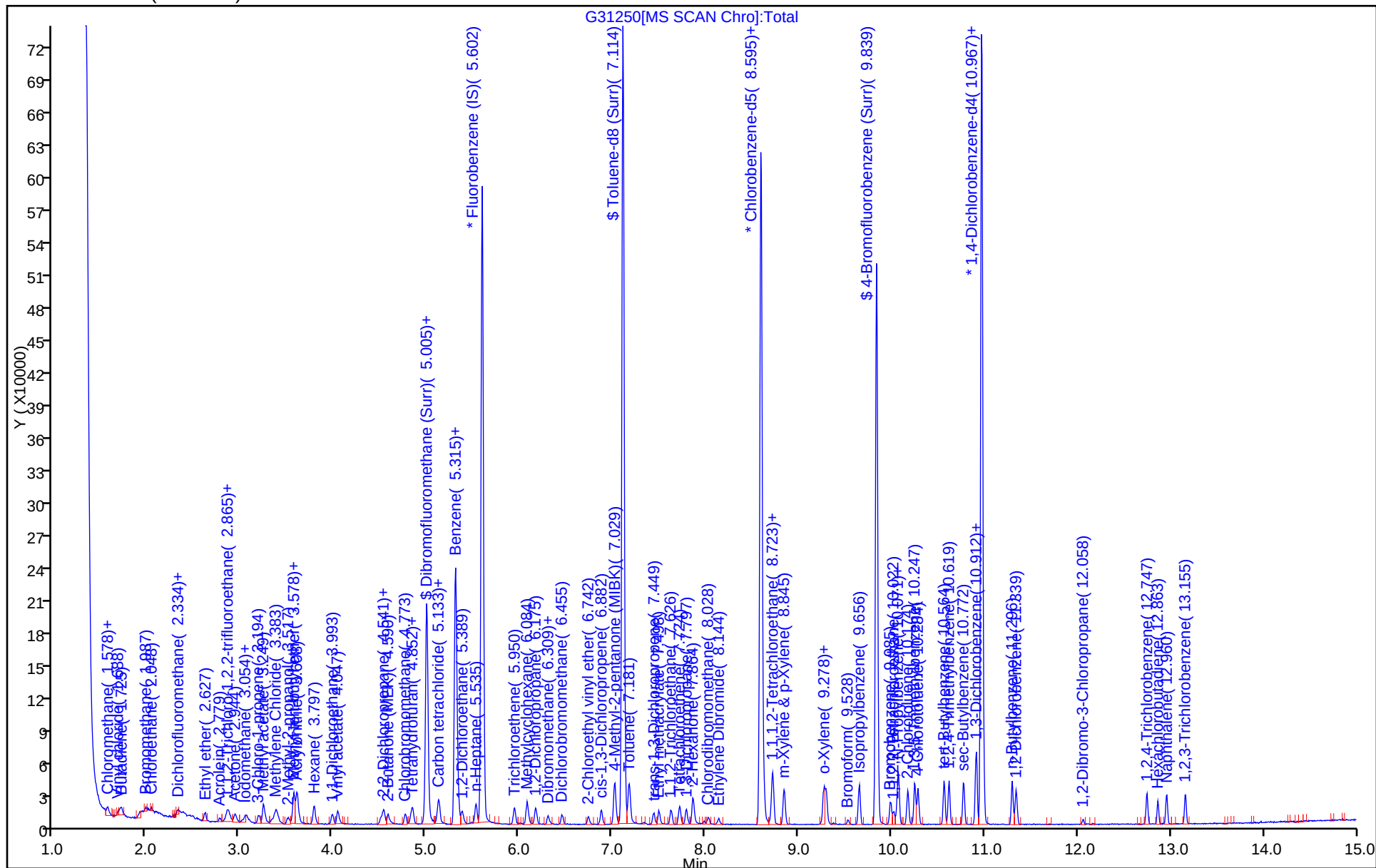
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31250.D

Injection Date: 10-Jun-2014 15:30:30

Instrument ID: HP5973G

Lims ID: IC

Client ID:

Operator ID: RAS

ALS Bottle#:

3

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: G-8260

Limit Group: MV - 8260C ICAL

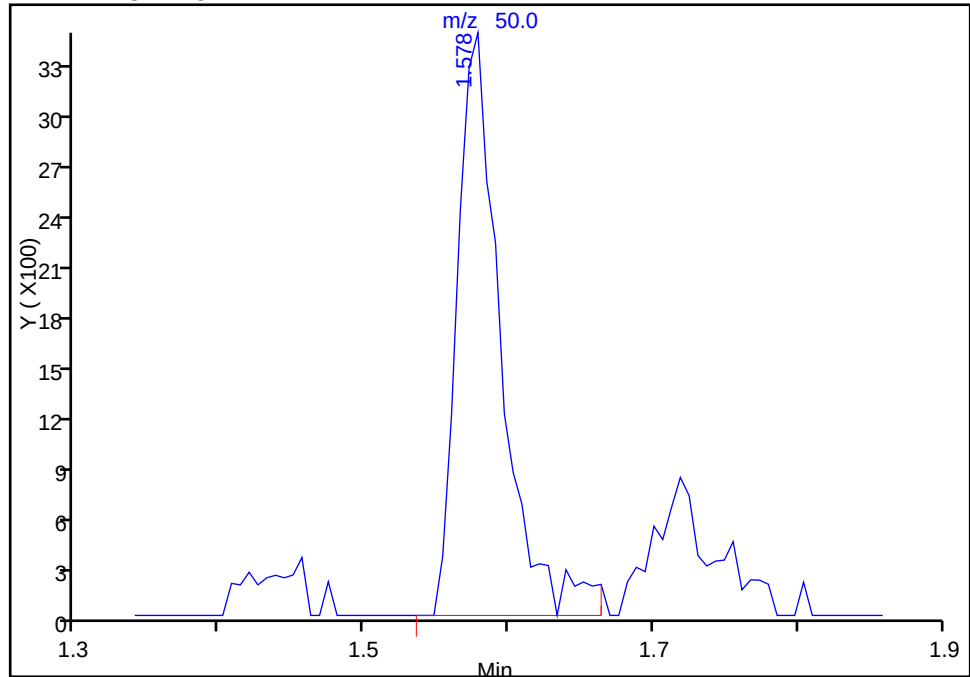
Column: ZB-624 (0.25 mm)

Detector: MS SCAN

12 Chloromethane, CAS: 74-87-3

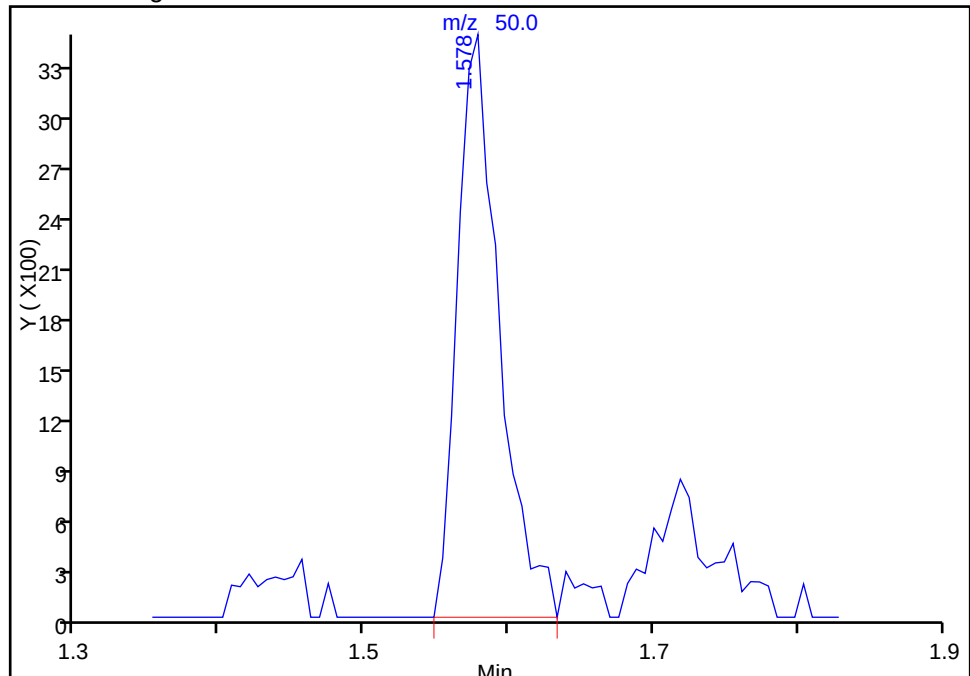
RT: 1.58
Response: 7324
Amount: 1.008858

Processing Integration Results



RT: 1.58
Response: 6958
Amount: 0.966564

Manual Integration Results



Reviewer: sobolr, 11-Jun-2014 09:16:01

Audit Action: Manually Integrated

Audit Reason: Peak Tail

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31250.D

Injection Date: 10-Jun-2014 15:30:30

Instrument ID: HP5973G

Lims ID: IC

Client ID:

Operator ID: RAS

ALS Bottle#:

3

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: G-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

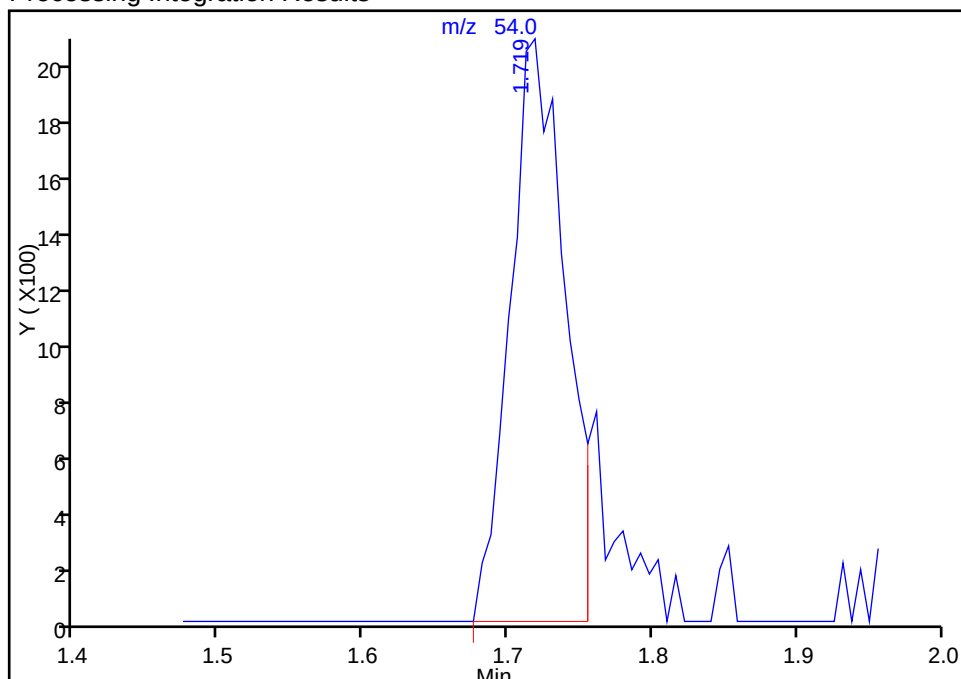
Detector

MS SCAN

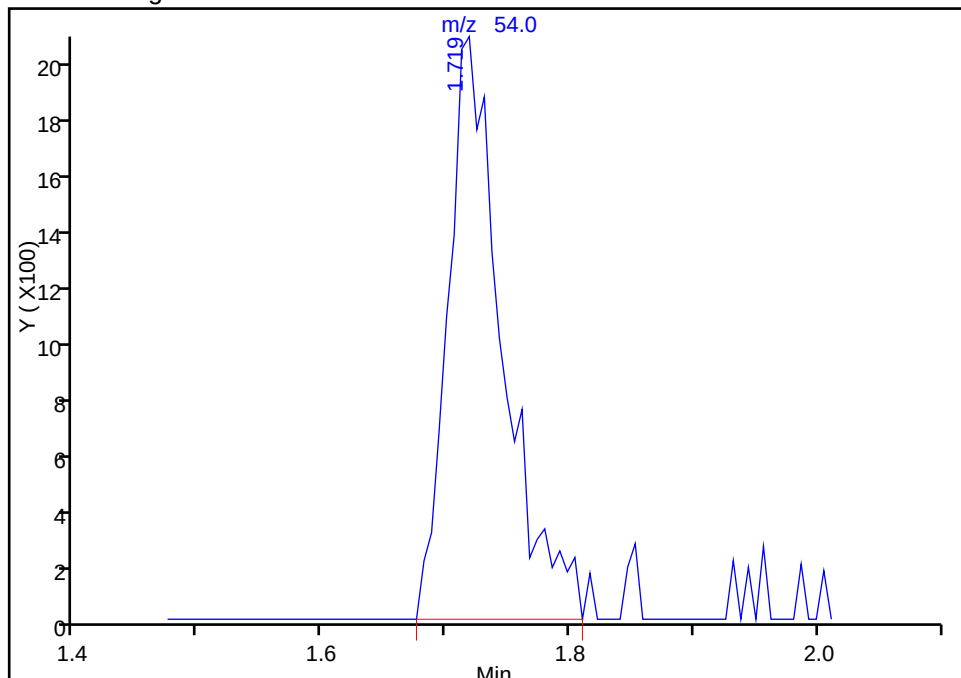
144 Butadiene, CAS: 106-99-0

RT: 1.72
Response: 5395
Amount: 0.923788

Processing Integration Results

RT: 1.72
Response: 6250
Amount: 1.044699

Manual Integration Results



Reviewer: sobolr, 11-Jun-2014 09:16:01

Audit Action: Manually Integrated

Audit Reason: Split Peak

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31250.D

Injection Date: 10-Jun-2014 15:30:30

Instrument ID: HP5973G

Lims ID: IC

Client ID:

Operator ID: RAS

ALS Bottle#:

3

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: G-8260

Limit Group: MV - 8260C ICAL

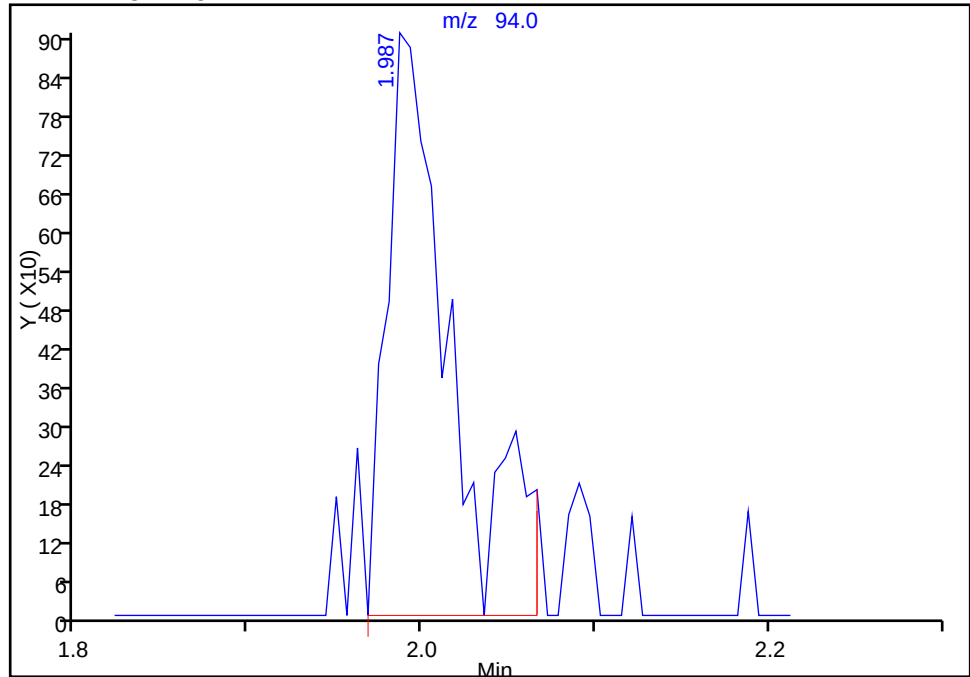
Column: ZB-624 (0.25 mm)

Detector: MS SCAN

14 Bromomethane, CAS: 74-83-9

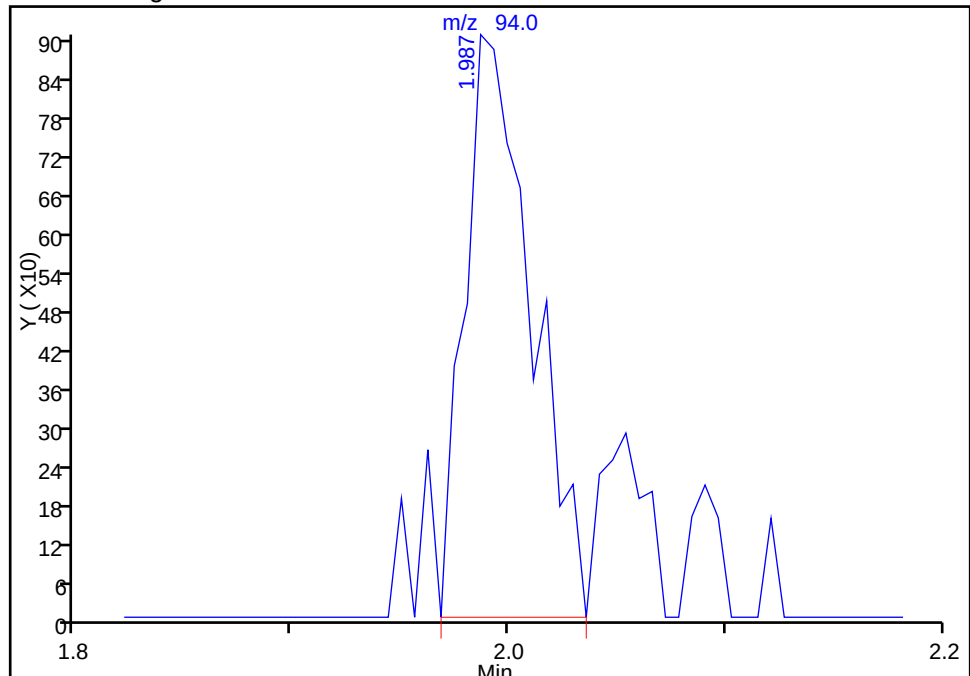
RT: 1.99
Response: 2363
Amount: 1.173222

Processing Integration Results



RT: 1.99
Response: 1947
Amount: 1.001143

Manual Integration Results



Reviewer: sobolr, 11-Jun-2014 09:16:01

Audit Action: Manually Integrated

Audit Reason: Peak Tail

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31250.D

Injection Date: 10-Jun-2014 15:30:30

Instrument ID: HP5973G

Lims ID: IC

Client ID:

Operator ID: RAS

ALS Bottle#:

3

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: G-8260

Limit Group: MV - 8260C ICAL

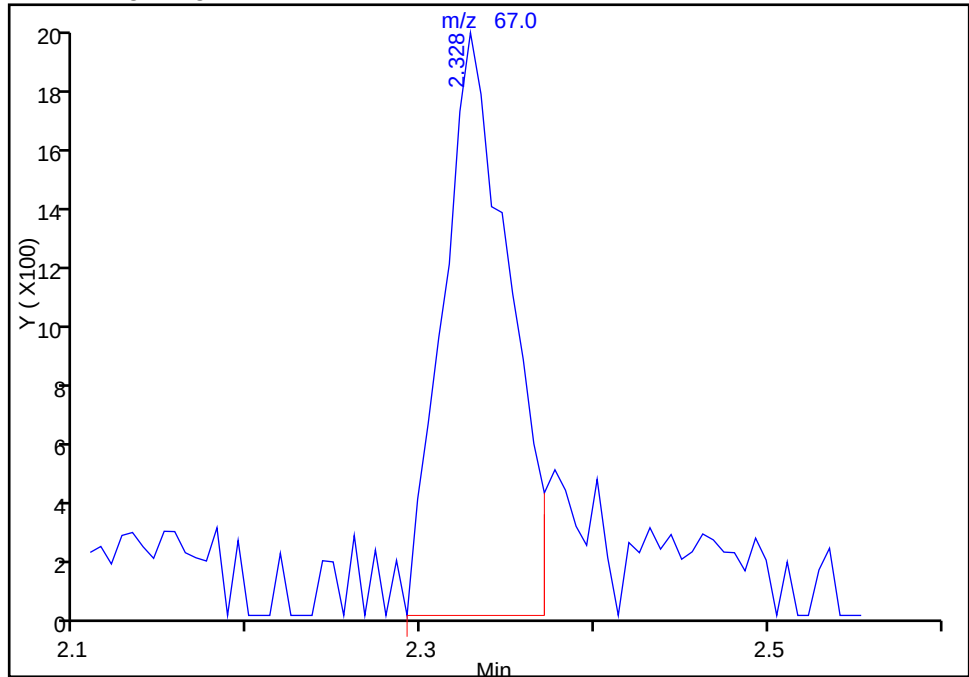
Column: ZB-624 (0.25 mm)

Detector: MS SCAN

16 Dichlorofluoromethane, CAS: 75-43-4

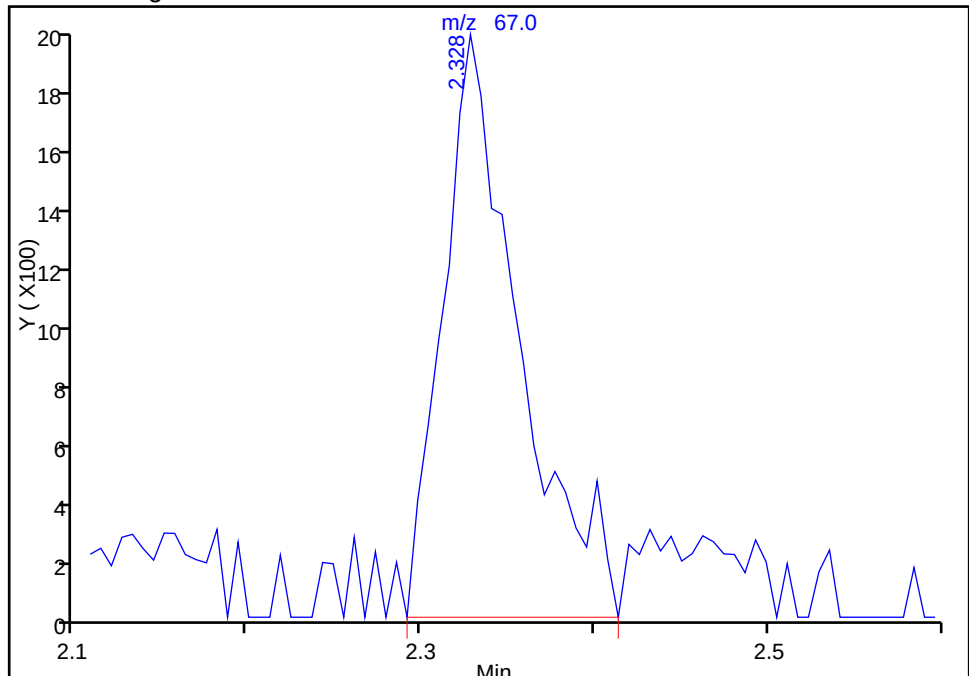
RT: 2.33
Response: 5203
Amount: 0.841996

Processing Integration Results



RT: 2.33
Response: 5971
Amount: 0.946671

Manual Integration Results



Reviewer: sobolr, 11-Jun-2014 09:16:01

Audit Action: Manually Integrated

Audit Reason: Peak Tail

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31250.D

Injection Date: 10-Jun-2014 15:30:30

Instrument ID: HP5973G

Lims ID: IC

Client ID:

Operator ID: RAS

ALS Bottle#:

3

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: G-8260

Limit Group: MV - 8260C ICAL

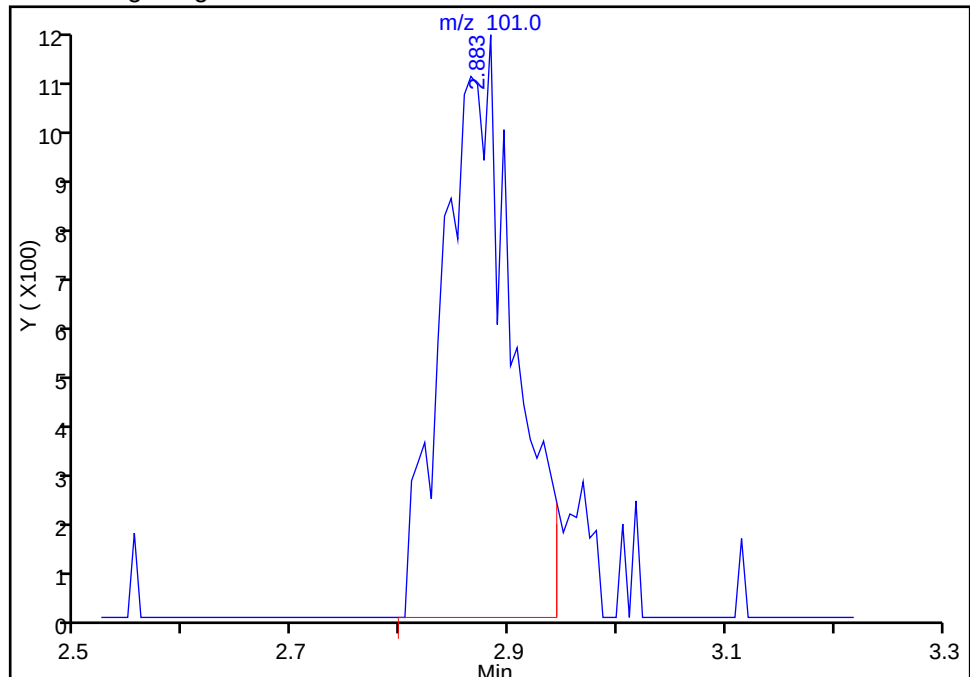
Column: ZB-624 (0.25 mm)

Detector: MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

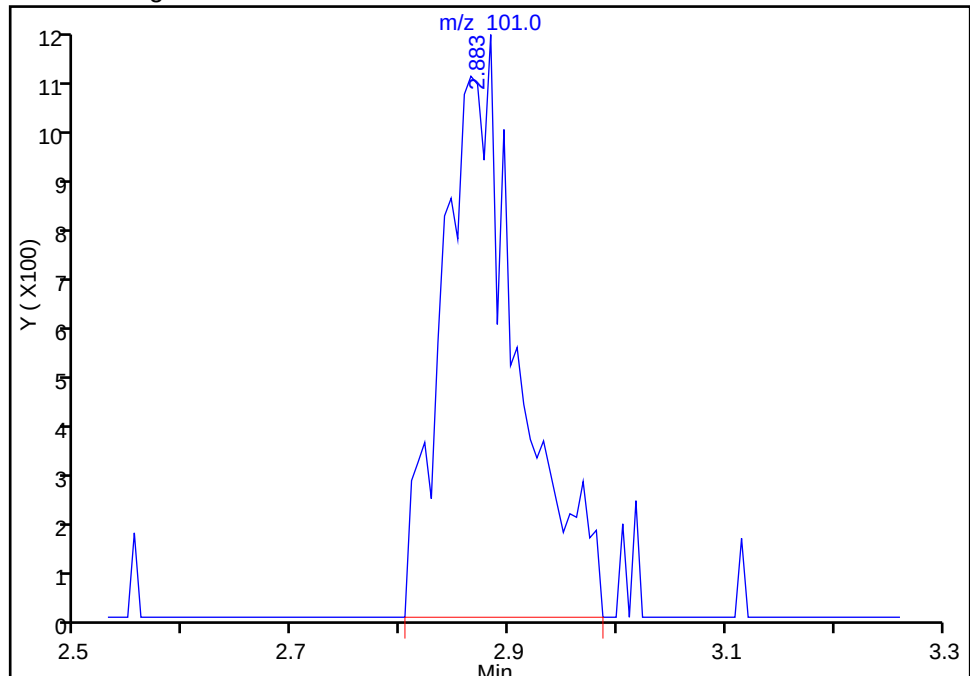
RT: 2.88
Response: 5086
Amount: 0.990762

Processing Integration Results



RT: 2.88
Response: 5515
Amount: 1.059573

Manual Integration Results



Reviewer: sobolr, 11-Jun-2014 09:16:01

Audit Action: Manually Integrated

Audit Reason: Peak Tail

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31250.D

Injection Date: 10-Jun-2014 15:30:30

Instrument ID: HP5973G

Lims ID: IC

Client ID:

Operator ID: RAS

ALS Bottle#:

3

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: G-8260

Limit Group: MV - 8260C ICAL

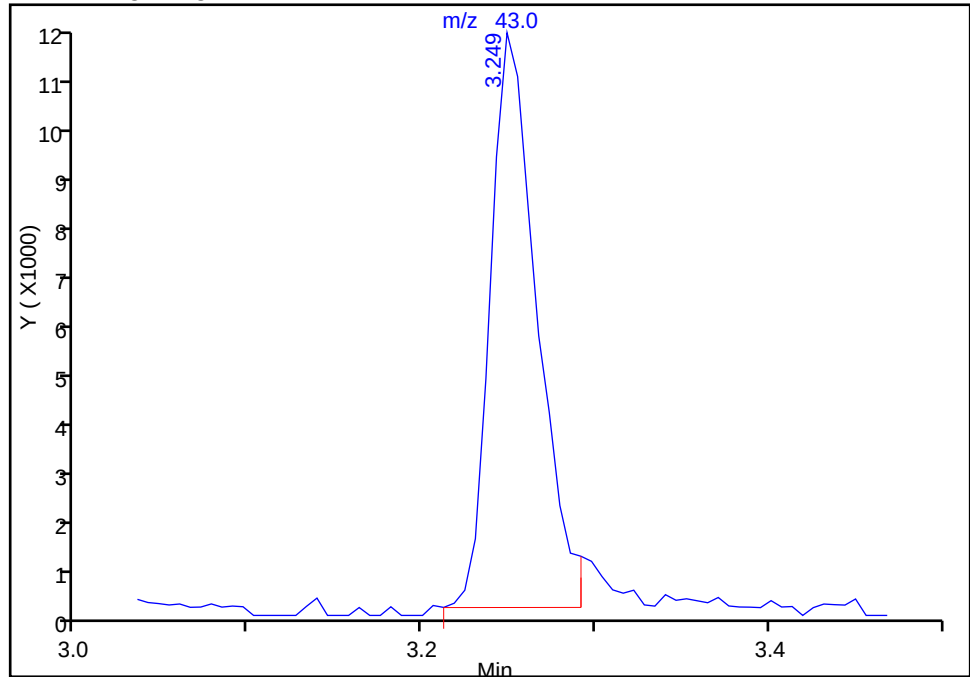
Column: ZB-624 (0.25 mm)

Detector: MS SCAN

28 Methyl acetate, CAS: 79-20-9

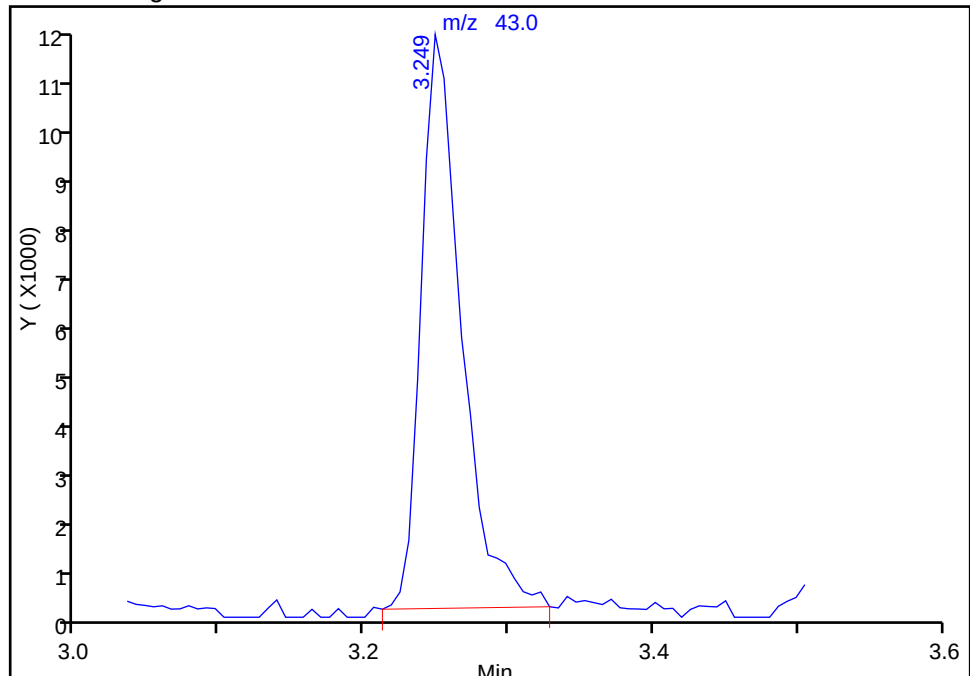
RT: 3.25
Response: 20758
Amount: 4.921561

Processing Integration Results



RT: 3.25
Response: 21475
Amount: 5.062867

Manual Integration Results



Reviewer: sobolr, 11-Jun-2014 09:17:10

Audit Action: Manually Integrated

Audit Reason: Peak Tail

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31250.D

Injection Date: 10-Jun-2014 15:30:30

Instrument ID: HP5973G

Lims ID: IC

Client ID:

Operator ID: RAS

ALS Bottle#:

3

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: G-8260

Limit Group: MV - 8260C ICAL

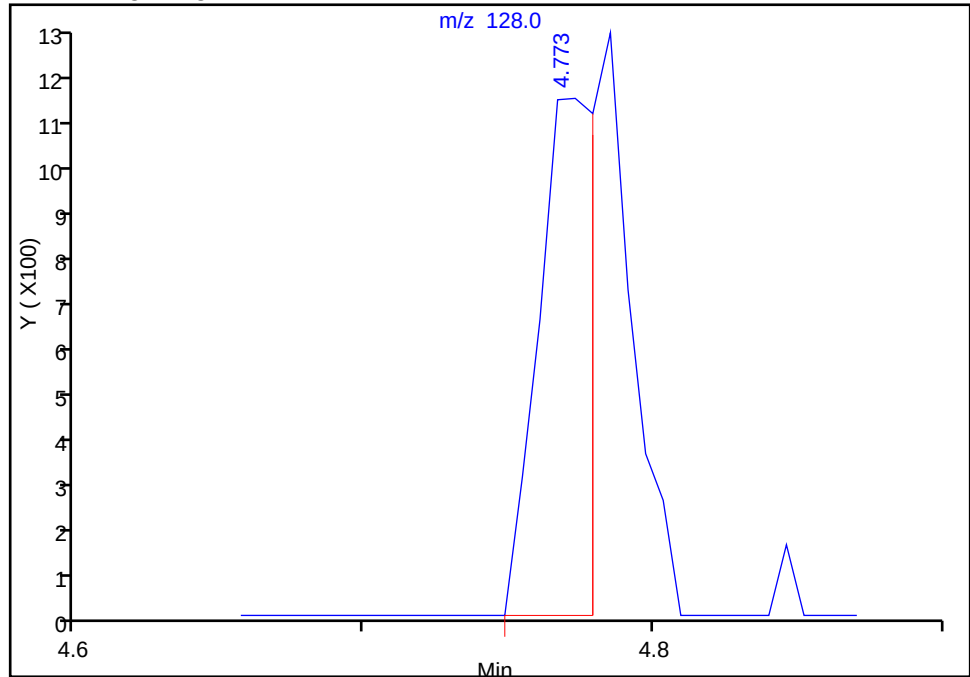
Column: ZB-624 (0.25 mm)

Detector: MS SCAN

48 Chlorobromomethane, CAS: 74-97-5

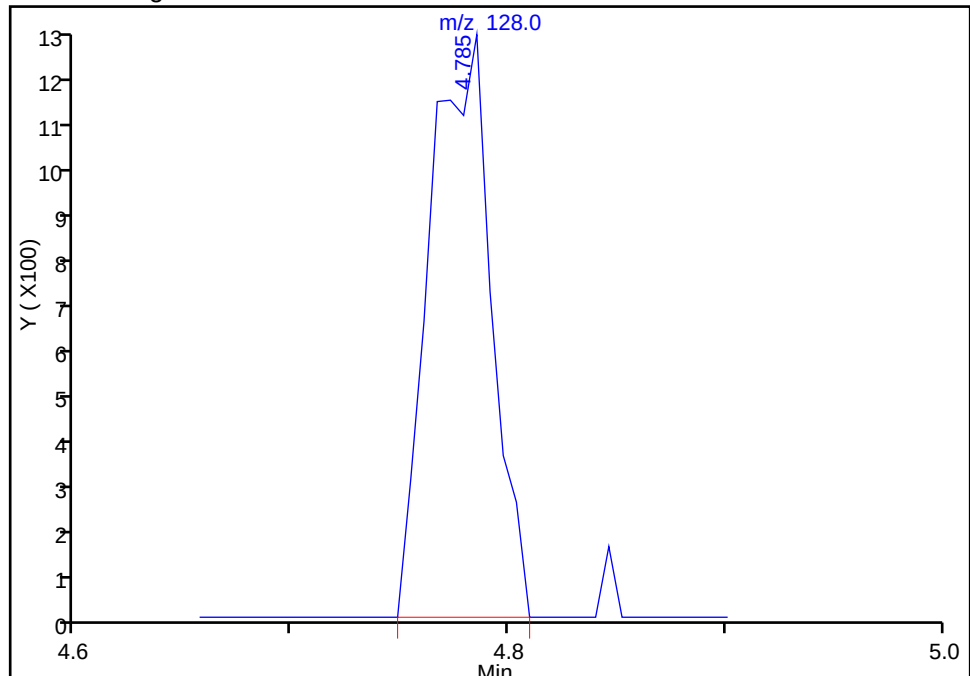
RT: 4.77
Response: 1559
Amount: 0.670901

Processing Integration Results



RT: 4.79
Response: 2497
Amount: 1.006825

Manual Integration Results



Reviewer: sobolr, 11-Jun-2014 09:17:10

Audit Action: Manually Integrated

Audit Reason: Split Peak

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31250.D

Injection Date: 10-Jun-2014 15:30:30

Instrument ID: HP5973G

Lims ID: IC

Client ID:

Operator ID: RAS

ALS Bottle#:

3

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

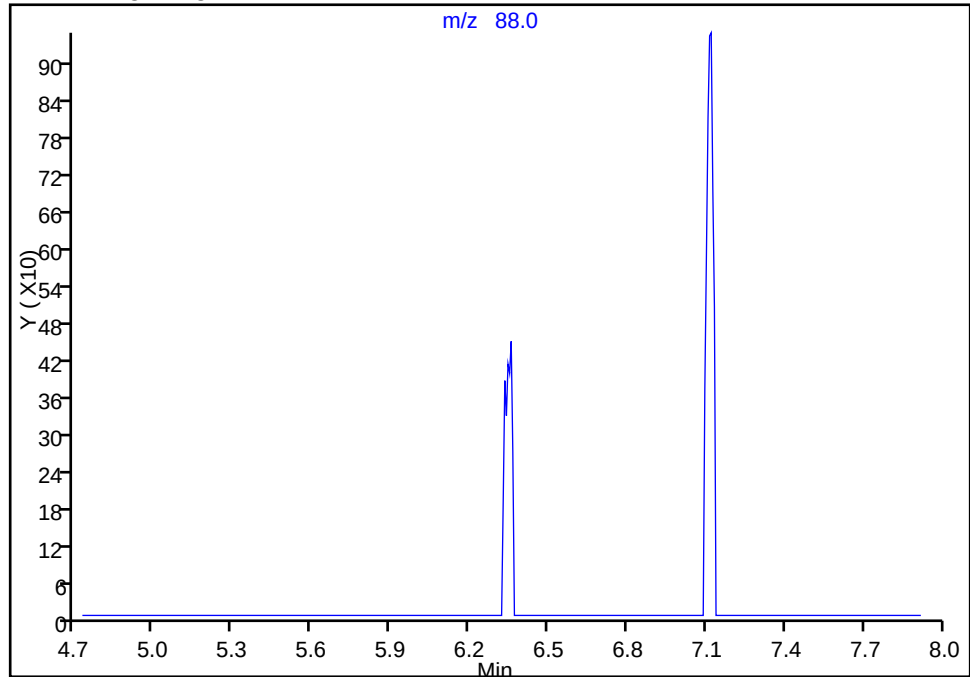
Detector: MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Not Detected

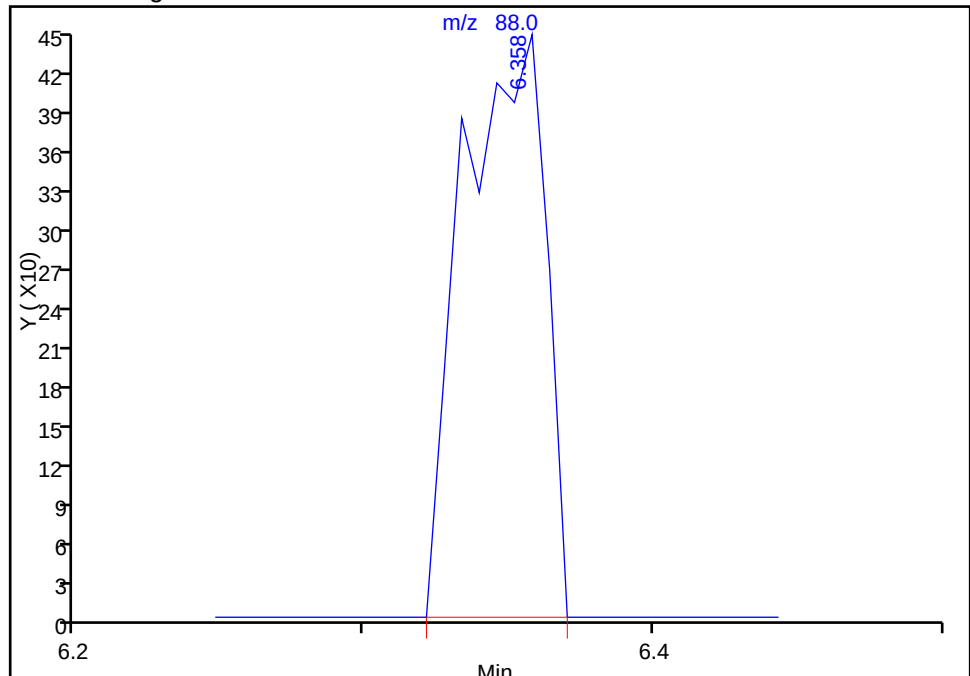
Expected RT: 6.32

Processing Integration Results



RT: 6.36
Response: 881
Amount: 16.285796

Manual Integration Results



Reviewer: sobolr, 11-Jun-2014 09:19:16

Audit Action: Manually Integrated

Audit Reason: Missed Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31251.D
 Lims ID: IC 2
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 10-Jun-2014 15:53:30 ALS Bottle#: 4 Worklist Smp#: 6
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 2
 Misc. Info.: 480-0032823-006 =480-0032823-006
 Operator ID: RAS Instrument ID: HP5973G
 Sublist: chrom-G-8260*sub20
 Method: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 11-Jun-2014 09:21:43 Calib Date: 10-Jun-2014 21:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31265.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK047

First Level Reviewer: sobolr

Date: 11-Jun-2014 09:21:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.602	5.596	0.006	98	105643	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.595	8.595	0.000	88	220907	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.967	10.973	-0.006	96	177079	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	5.005	5.005	0.000	82	110731	25.0	25.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.316	5.316	0.000	0	81982	25.0	25.2	
\$ 5 Toluene-d8 (Surr)	98	7.114	7.114	0.000	93	498513	25.0	24.9	
\$ 6 4-Bromofluorobenzene (Surr	174	9.839	9.839	0.000	82	133657	25.0	24.8	
10 Dichlorodifluoromethane	85	1.420	1.426	-0.006	84	40302	5.00	4.91	
12 Chloromethane	50	1.579	1.579	0.000	100	34535	5.00	4.82	
13 Vinyl chloride	62	1.688	1.694	-0.006	98	32111	5.00	4.77	
144 Butadiene	54	1.719	1.719	0.000	94	27984	5.00	4.70	
14 Bromomethane	94	1.993	1.993	0.000	84	9898	5.00	5.11	
15 Chloroethane	64	2.115	2.121	-0.006	81	17990	5.00	5.01	
16 Dichlorofluoromethane	67	2.328	2.341	-0.013	80	24264	5.00	3.86	
17 Trichlorofluoromethane	101	2.353	2.353	0.000	90	32371	5.00	4.53	
18 Ethyl ether	59	2.621	2.621	0.000	89	21296	5.00	4.80	
19 Acrolein	56	2.780	2.786	-0.006	89	16723	25.0	25.2	
21 1,1,2-Trichloro-1,2,2-trif	101	2.877	2.871	0.006	45	26861	5.00	5.05	M
20 1,1-Dichloroethene	96	2.871	2.877	-0.006	89	31160	5.00	5.06	
22 Acetone	43	2.944	2.938	0.006	98	44734	25.0	23.7	
23 Iodomethane	142	3.029	3.042	-0.013	97	35761	5.00	5.06	
24 Carbon disulfide	76	3.072	3.072	0.000	98	83560	5.00	4.87	
26 3-Chloro-1-propene	41	3.200	3.200	0.000	85	43171	5.00	5.07	
28 Methyl acetate	43	3.249	3.243	0.006	95	104497	25.0	24.7	
29 Methylene Chloride	84	3.389	3.383	0.006	80	37528	5.00	5.11	
30 2-Methyl-2-propanol	59	3.505	3.505	0.000	96	35673	50.0	48.0	
31 Methyl tert-butyl ether	73	3.572	3.572	0.000	88	86413	5.00	4.95	
32 trans-1,2-Dichloroethene	96	3.578	3.578	0.000	92	25838	5.00	4.97	
33 Acrylonitrile	53	3.609	3.603	0.006	100	102389	50.0	48.8	
34 Hexane	57	3.798	3.792	0.006	95	33578	5.00	4.74	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.987	3.987	0.000	85	43991	5.00	4.83	
38 Vinyl acetate	43	4.048	4.041	0.007	97	102717	10.0	9.84	
42 2,2-Dichloropropane	77	4.511	4.517	-0.006	84	22833	5.00	5.06	
43 cis-1,2-Dichloroethene	96	4.541	4.541	0.000	71	26617	5.00	4.97	
44 2-Butanone (MEK)	43	4.578	4.572	0.006	100	66046	25.0	25.1	
48 Chlorobromomethane	128	4.779	4.773	0.006	94	12066	5.00	4.89	
49 Tetrahydrofuran	42	4.822	4.810	0.012	84	18366	10.0	9.64	
50 Chloroform	85	4.852	4.852	0.000	80	28123	5.00	4.84	
51 1,1,1-Trichloroethane	97	4.980	4.980	0.000	89	32366	5.00	4.80	
52 Cyclohexane	56	5.005	5.005	0.000	45	45578	5.00	4.76	
53 Carbon tetrachloride	117	5.127	5.127	0.000	74	29634	5.00	4.79	
54 1,1-Dichloropropene	75	5.139	5.133	0.006	92	31671	5.00	4.76	
55 Isobutyl alcohol	43	5.322	5.322	0.000	91	34232	125.0	117.2	
56 Benzene	78	5.334	5.334	0.000	96	105160	5.00	5.05	
57 1,2-Dichloroethane	62	5.389	5.389	0.000	92	39377	5.00	4.95	
59 n-Heptane	43	5.535	5.535	0.000	93	33313	5.00	4.79	
61 Trichloroethene	95	5.944	5.944	0.000	92	26155	5.00	5.08	
62 Methylcyclohexane	83	6.084	6.084	0.000	90	42191	5.00	4.90	
63 1,2-Dichloropropane	63	6.175	6.175	0.000	87	25200	5.00	4.98	
65 Dibromomethane	93	6.309	6.309	0.000	87	15207	5.00	4.89	
66 1,4-Dioxane	88	6.340	6.322	0.018	64	4787	100.0	87.6	M
67 Dichlorobromomethane	83	6.462	6.462	0.000	90	29428	5.00	4.55	
70 2-Chloroethyl vinyl ether	63	6.736	6.736	0.000	89	16904	5.00	4.80	
72 cis-1,3-Dichloropropene	75	6.882	6.882	0.000	85	39172	5.00	4.72	
73 4-Methyl-2-pentanone (MIBK)	43	7.023	7.016	0.007	95	139657	25.0	24.9	
74 Toluene	92	7.181	7.181	0.000	97	66986	5.00	4.94	
76 trans-1,3-Dichloropropene	75	7.443	7.443	0.000	91	33740	5.00	4.60	
78 Ethyl methacrylate	69	7.498	7.498	0.000	87	35018	5.00	4.74	
79 1,1,2-Trichloroethane	83	7.632	7.632	0.000	89	18218	5.00	4.91	
80 Tetrachloroethene	166	7.724	7.724	0.000	86	24780	5.00	5.05	
81 1,3-Dichloropropane	76	7.797	7.797	0.000	94	42858	5.00	5.04	
82 2-Hexanone	43	7.864	7.858	0.006	96	99439	25.0	24.9	
83 Chlorodibromomethane	129	8.035	8.035	0.000	85	18228	5.00	4.40	
84 Ethylene Dibromide	107	8.138	8.144	-0.006	97	21699	5.00	4.83	
86 Chlorobenzene	112	8.626	8.626	0.000	91	73142	5.00	5.10	
88 1,1,1,2-Tetrachloroethane	131	8.723	8.723	0.000	84	20186	5.00	4.69	
89 Ethylbenzene	91	8.723	8.723	0.000	99	126229	5.00	5.01	
90 m-Xylene & p-Xylene	106	8.845	8.845	0.000	0	48187	5.00	4.88	
91 o-Xylene	106	9.272	9.272	0.000	97	46133	5.00	4.84	
92 Styrene	104	9.297	9.297	0.000	95	78313	5.00	4.76	
93 Bromoform	173	9.534	9.534	0.000	89	9087	5.00	5.92	
95 Isopropylbenzene	105	9.656	9.656	0.000	96	122801	5.00	5.04	
97 Bromobenzene	156	9.992	9.992	0.000	97	27086	5.00	5.01	
98 1,1,2,2-Tetrachloroethane	83	10.022	10.022	0.000	80	29001	5.00	4.92	
99 1,2,3-Trichloropropane	110	10.059	10.059	0.000	71	9729	5.00	4.90	
100 trans-1,4-Dichloro-2-buten	53	10.071	10.071	0.000	36	8597	5.00	4.53	
101 N-Propylbenzene	91	10.077	10.077	0.000	99	147112	5.00	5.07	
102 2-Chlorotoluene	126	10.174	10.174	0.000	94	27806	5.00	5.09	
104 1,3,5-Trimethylbenzene	105	10.248	10.248	0.000	94	106365	5.00	5.08	
105 4-Chlorotoluene	126	10.284	10.284	0.000	91	27948	5.00	4.93	
106 tert-Butylbenzene	134	10.565	10.565	0.000	90	22326	5.00	5.05	
107 1,2,4-Trimethylbenzene	105	10.619	10.619	0.000	98	111213	5.00	5.07	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.772	10.778	-0.006	94	129850	5.00	4.99	
110 1,3-Dichlorobenzene	146	10.906	10.906	0.000	95	55567	5.00	5.13	
111 4-Isopropyltoluene	119	10.912	10.912	0.000	97	113505	5.00	5.08	
113 1,4-Dichlorobenzene	146	10.991	10.991	0.000	90	56909	5.00	5.07	
115 n-Butylbenzene	91	11.296	11.296	0.000	97	101460	5.00	4.94	
116 1,2-Dichlorobenzene	146	11.339	11.345	-0.006	93	53295	5.00	4.99	
117 1,2-Dibromo-3-Chloropropan	75	12.058	12.058	0.000	49	5961	5.00	4.62	
119 1,2,4-Trichlorobenzene	180	12.747	12.747	0.000	92	37980	5.00	4.87	
120 Hexachlorobutadiene	225	12.863	12.863	0.000	91	15587	5.00	4.77	
121 Naphthalene	128	12.954	12.954	0.000	97	108923	5.00	4.81	
122 1,2,3-Trichlorobenzene	180	13.162	13.162	0.000	93	36425	5.00	4.85	
S 123 Total BTEX	1				0			24.7	
S 124 Xylenes, Total	1				0			9.72	
S 125 1,2-Dichloroethene, Total	1				0			9.94	
S 126 1,3-Dichloropropene, Total	1				0			9.33	

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31251.D

Injection Date: 10-Jun-2014 15:53:30

Instrument ID: HP5973G

Operator ID: RAS

Lims ID: IC 2

Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL

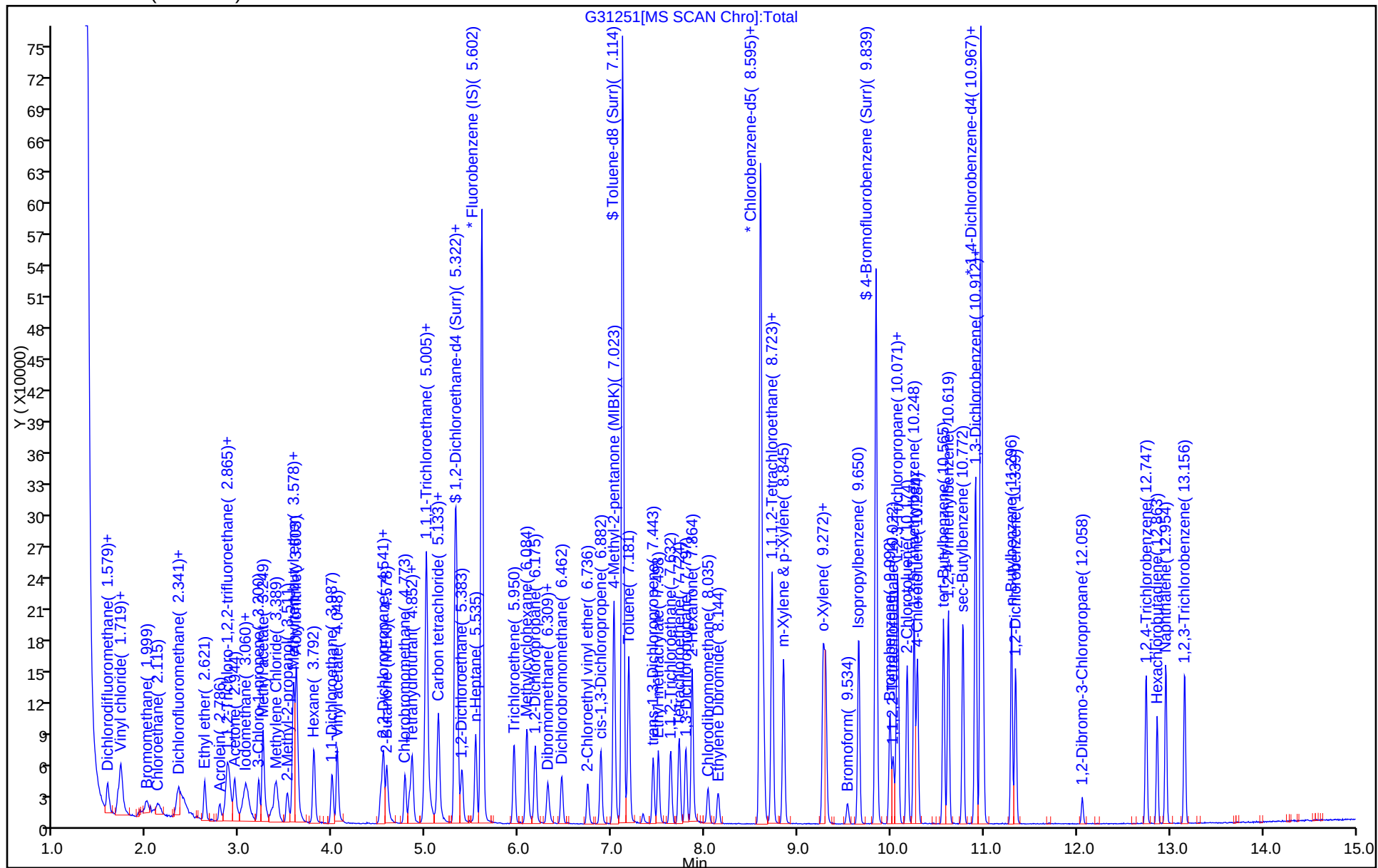
Dil. Factor: 1.0000

ALS Bottle#: 4

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31251.D

Injection Date: 10-Jun-2014 15:53:30

Instrument ID: HP5973G

Lims ID: IC 2

Client ID:

Operator ID: RAS

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: G-8260

Limit Group: MV - 8260C ICAL

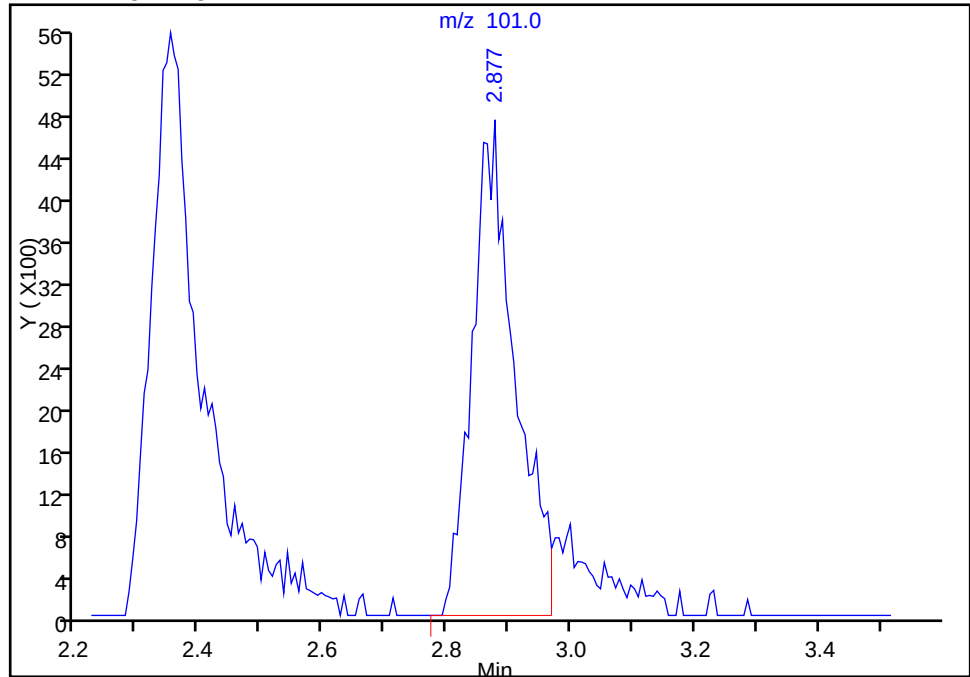
Column: ZB-624 (0.25 mm)

Detector: MS SCAN

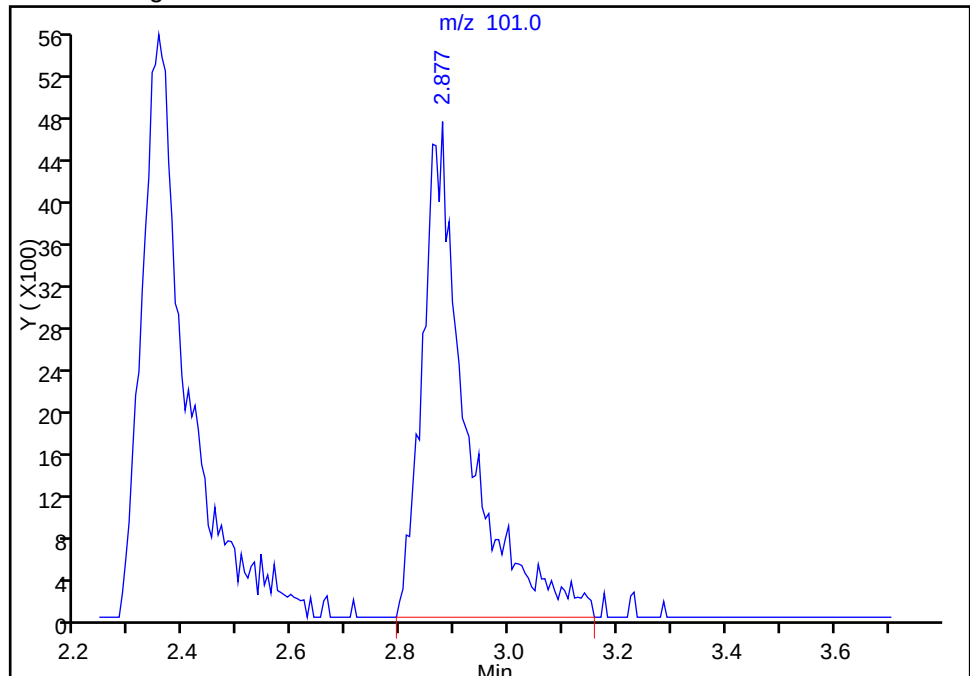
21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

RT: 2.88
Response: 22686
Amount: 4.377461

Processing Integration Results

RT: 2.88
Response: 26861
Amount: 5.047520

Manual Integration Results



Reviewer: sobolr, 11-Jun-2014 09:21:43

Audit Action: Manually Integrated

Audit Reason: Split Peak

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31251.D

Injection Date: 10-Jun-2014 15:53:30

Instrument ID: HP5973G

Lims ID: IC 2

Client ID:

Operator ID: RAS

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: G-8260

Limit Group: MV - 8260C ICAL

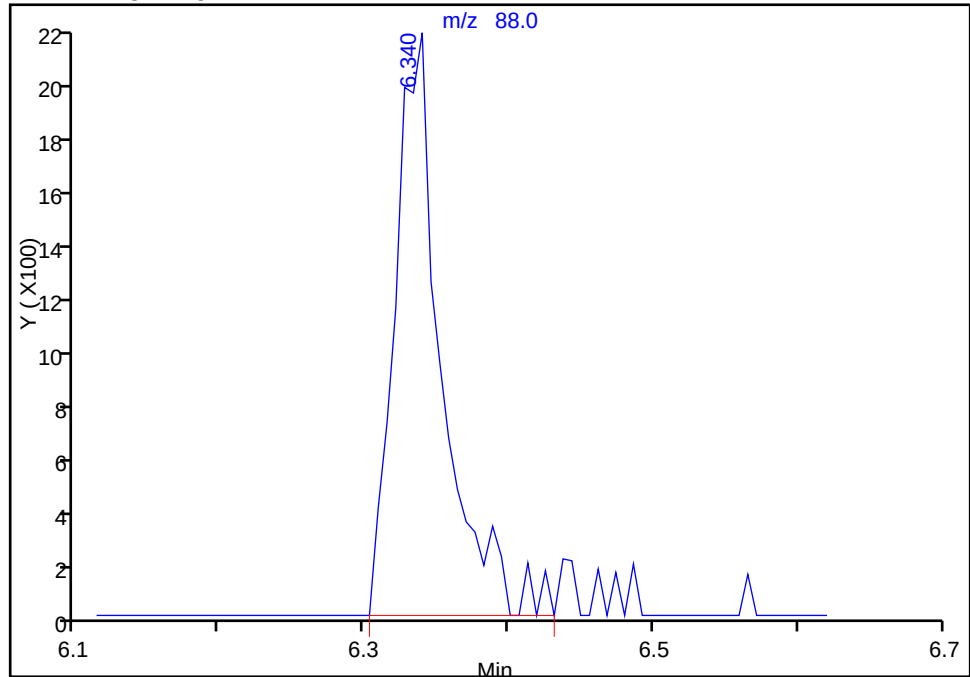
Column: ZB-624 (0.25 mm)

Detector: MS SCAN

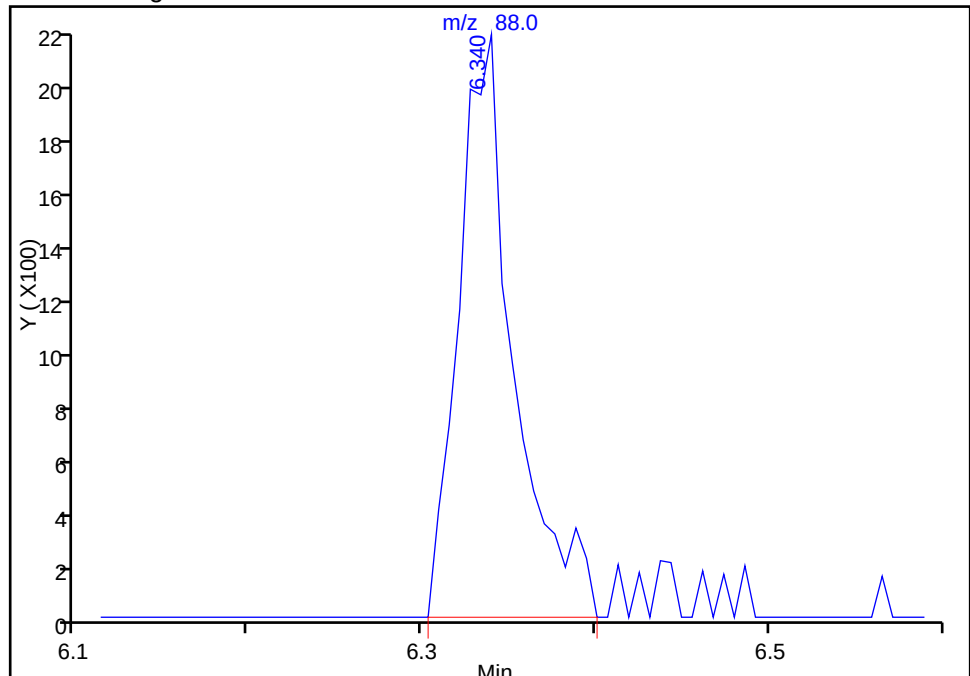
66 1,4-Dioxane, CAS: 123-91-1

RT: 6.34
Response: 4920
Amount: 89.716402

Processing Integration Results

RT: 6.34
Response: 4787
Amount: 87.645413

Manual Integration Results



Reviewer: sobolr, 11-Jun-2014 09:20:48

Audit Action: Manually Integrated

Audit Reason: Peak Tail

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31252.D
 Lims ID: IC 3
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 10-Jun-2014 16:16:30 ALS Bottle#: 5 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 3
 Misc. Info.: 480-0032823-007 =480-0032823-007
 Operator ID: RAS Instrument ID: HP5973G
 Sublist: chrom-G-8260*sub20
 Method: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 11-Jun-2014 09:24:32 Calib Date: 10-Jun-2014 21:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31265.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK047

First Level Reviewer: sobolr

Date: 11-Jun-2014 09:24:32

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.602	5.602	0.000	98	104782	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.595	8.595	0.000	88	223184	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.967	10.967	0.000	91	179088	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	5.005	5.005	0.000	82	112266	25.0	25.5	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.316	5.316	0.000	0	83664	25.0	25.9	
\$ 5 Toluene-d8 (Surr)	98	7.114	7.114	0.000	93	504162	25.0	24.9	
\$ 6 4-Bromofluorobenzene (Surr	174	9.839	9.839	0.000	82	135410	25.0	24.9	
10 Dichlorodifluoromethane	85	1.432	1.432	0.000	85	85050	10.0	10.4	
12 Chloromethane	50	1.578	1.578	0.000	88	72226	10.0	10.2	
13 Vinyl chloride	62	1.694	1.694	0.000	84	68968	10.0	10.3	
144 Butadiene	54	1.725	1.725	0.000	94	60575	10.0	10.3	
14 Bromomethane	94	1.993	1.993	0.000	88	18435	10.0	9.41	M
15 Chloroethane	64	2.121	2.121	0.000	98	35924	10.0	10.1	
16 Dichlorofluoromethane	67	2.334	2.334	0.000	80	58093	10.0	9.33	
17 Trichlorofluoromethane	101	2.347	2.347	0.000	73	70885	10.0	10.0	
18 Ethyl ether	59	2.621	2.621	0.000	90	41979	10.0	9.54	
19 Acrolein	56	2.786	2.786	0.000	90	30480	50.0	46.3	
21 1,1,2-Trichloro-1,2,2-trif	101	2.871	2.871	0.000	48	53202	10.0	10.1	
20 1,1-Dichloroethene	96	2.871	2.871	0.000	88	60724	10.0	9.94	
22 Acetone	43	2.944	2.944	0.000	98	87947	50.0	47.1	
23 Iodomethane	142	3.029	3.029	0.000	99	71209	10.0	10.2	
24 Carbon disulfide	76	3.066	3.066	0.000	99	162238	10.0	9.54	
26 3-Chloro-1-propene	41	3.200	3.200	0.000	81	78430	10.0	9.28	
28 Methyl acetate	43	3.243	3.243	0.000	96	205484	50.0	49.1	
29 Methylene Chloride	84	3.383	3.383	0.000	85	66101	10.0	9.76	
30 2-Methyl-2-propanol	59	3.511	3.511	0.000	98	67879	100.0	92.1	
31 Methyl tert-butyl ether	73	3.572	3.572	0.000	88	169612	10.0	9.80	
32 trans-1,2-Dichloroethene	96	3.578	3.578	0.000	94	49036	10.0	9.51	
33 Acrylonitrile	53	3.609	3.609	0.000	98	201596	100.0	96.9	
34 Hexane	57	3.798	3.798	0.000	93	68395	10.0	9.73	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.993	3.993	0.000	85	88005	10.0	9.74	
38 Vinyl acetate	43	4.041	4.041	0.000	97	199412	20.0	19.3	
42 2,2-Dichloropropane	77	4.517	4.517	0.000	90	44146	10.0	9.87	
43 cis-1,2-Dichloroethene	96	4.541	4.541	0.000	72	51224	10.0	9.64	
44 2-Butanone (MEK)	43	4.578	4.578	0.000	100	125730	50.0	48.1	
48 Chlorobromomethane	128	4.773	4.773	0.000	93	24154	10.0	9.86	
49 Tetrahydrofuran	42	4.822	4.822	0.000	83	35628	20.0	18.8	
50 Chloroform	85	4.852	4.852	0.000	81	55545	10.0	9.64	
51 1,1,1-Trichloroethane	97	4.980	4.980	0.000	92	64262	10.0	9.61	
52 Cyclohexane	56	5.005	5.005	0.000	60	93919	10.0	9.88	
53 Carbon tetrachloride	117	5.127	5.127	0.000	72	58418	10.0	9.51	
54 1,1-Dichloropropene	75	5.133	5.133	0.000	93	64328	10.0	9.75	
55 Isobutyl alcohol	43	5.328	5.328	0.000	91	67531	250.0	233.1	
56 Benzene	78	5.334	5.334	0.000	97	202280	10.0	9.80	
57 1,2-Dichloroethane	62	5.389	5.389	0.000	90	75035	10.0	9.52	
59 n-Heptane	43	5.535	5.535	0.000	90	64211	10.0	9.32	
61 Trichloroethene	95	5.950	5.950	0.000	93	48662	10.0	9.53	
62 Methylcyclohexane	83	6.084	6.084	0.000	90	81823	10.0	9.57	
63 1,2-Dichloropropane	63	6.175	6.175	0.000	88	48657	10.0	9.70	
65 Dibromomethane	93	6.309	6.309	0.000	88	29713	10.0	9.64	
66 1,4-Dioxane	88	6.328	6.328	0.000	91	11825	200.0	214.3	
67 Dichlorobromomethane	83	6.462	6.462	0.000	91	59659	10.0	9.30	
70 2-Chloroethyl vinyl ether	63	6.736	6.736	0.000	94	33268	10.0	9.52	
72 cis-1,3-Dichloropropene	75	6.882	6.882	0.000	88	77094	10.0	9.37	
73 4-Methyl-2-pentanone (MIBK)	43	7.022	7.022	0.000	96	273768	50.0	48.4	
74 Toluene	92	7.181	7.181	0.000	99	131438	10.0	9.60	
76 trans-1,3-Dichloropropene	75	7.443	7.443	0.000	92	69006	10.0	9.32	
78 Ethyl methacrylate	69	7.498	7.498	0.000	89	70096	10.0	9.39	
79 1,1,2-Trichloroethane	83	7.632	7.632	0.000	88	35697	10.0	9.52	
80 Tetrachloroethene	166	7.724	7.724	0.000	90	47913	10.0	9.66	
81 1,3-Dichloropropane	76	7.797	7.797	0.000	92	80070	10.0	9.32	
82 2-Hexanone	43	7.858	7.858	0.000	96	193761	50.0	48.0	
83 Chlorodibromomethane	129	8.034	8.034	0.000	88	36655	10.0	8.76	
84 Ethylene Dibromide	107	8.144	8.144	0.000	96	42263	10.0	9.31	
86 Chlorobenzene	112	8.626	8.626	0.000	91	137110	10.0	9.46	
88 1,1,1,2-Tetrachloroethane	131	8.723	8.723	0.000	85	39725	10.0	9.13	
89 Ethylbenzene	91	8.723	8.723	0.000	99	243994	10.0	9.59	
90 m-Xylene & p-Xylene	106	8.845	8.845	0.000	0	94828	10.0	9.50	
91 o-Xylene	106	9.272	9.272	0.000	98	92082	10.0	9.56	
92 Styrene	104	9.296	9.296	0.000	94	156946	10.0	9.44	
93 Bromoform	173	9.534	9.534	0.000	93	19453	10.0	9.23	
95 Isopropylbenzene	105	9.656	9.656	0.000	96	242134	10.0	9.83	
97 Bromobenzene	156	9.991	9.991	0.000	96	51350	10.0	9.40	
98 1,1,2,2-Tetrachloroethane	83	10.022	10.022	0.000	82	57223	10.0	9.60	
99 1,2,3-Trichloropropane	110	10.058	10.058	0.000	81	19110	10.0	9.51	
100 trans-1,4-Dichloro-2-buten	53	10.071	10.071	0.000	53	17958	10.0	9.35	
101 N-Propylbenzene	91	10.077	10.077	0.000	99	287509	10.0	9.80	
102 2-Chlorotoluene	126	10.174	10.174	0.000	95	54062	10.0	9.79	
104 1,3,5-Trimethylbenzene	105	10.247	10.247	0.000	91	209595	10.0	9.89	
105 4-Chlorotoluene	126	10.284	10.284	0.000	97	55069	10.0	9.60	
106 tert-Butylbenzene	134	10.564	10.564	0.000	91	43804	10.0	9.79	
107 1,2,4-Trimethylbenzene	105	10.619	10.619	0.000	97	218329	10.0	9.85	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.772	10.772	0.000	95	259338	10.0	9.85	
110 1,3-Dichlorobenzene	146	10.906	10.906	0.000	95	106211	10.0	9.69	
111 4-Isopropyltoluene	119	10.912	10.912	0.000	97	220657	10.0	9.77	
113 1,4-Dichlorobenzene	146	10.991	10.991	0.000	91	106930	10.0	9.41	
115 n-Butylbenzene	91	11.296	11.296	0.000	97	203138	10.0	9.77	
116 1,2-Dichlorobenzene	146	11.339	11.339	0.000	93	103855	10.0	9.62	
117 1,2-Dibromo-3-Chloropropan	75	12.058	12.058	0.000	62	11525	10.0	8.83	
119 1,2,4-Trichlorobenzene	180	12.747	12.747	0.000	93	74706	10.0	9.48	
120 Hexachlorobutadiene	225	12.863	12.863	0.000	91	29963	10.0	9.07	
121 Naphthalene	128	12.954	12.954	0.000	97	215380	10.0	9.40	
122 1,2,3-Trichlorobenzene	180	13.162	13.162	0.000	94	71043	10.0	9.35	
S 125 1,2-Dichloroethene, Total	1				0			19.2	
S 126 1,3-Dichloropropene, Total	1				0			18.7	
S 123 Total BTEX	1				0			48.0	
S 124 Xylenes, Total	1				0			19.1	

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31252.D

Injection Date: 10-Jun-2014 16:16:30

Instrument ID: HP5973G

Lims ID: IC 3

Operator ID: RAS

Client ID:

Worklist Smp#: 7

Purge Vol: 5.000 mL

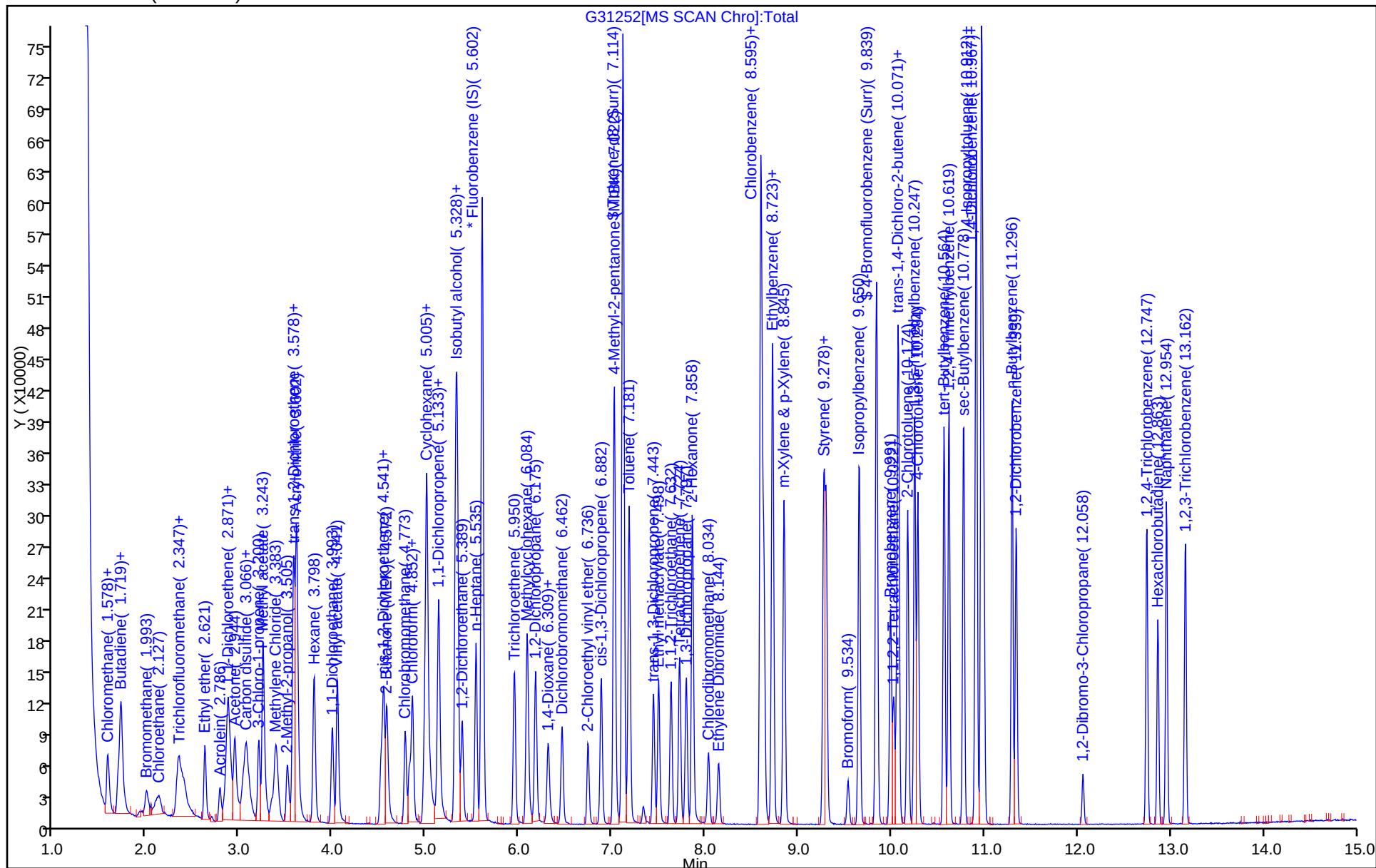
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31252.D

Injection Date: 10-Jun-2014 16:16:30

Instrument ID: HP5973G

Lims ID: IC 3

Client ID:

Operator ID: RAS

ALS Bottle#:

5

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: G-8260

Limit Group: MV - 8260C ICAL

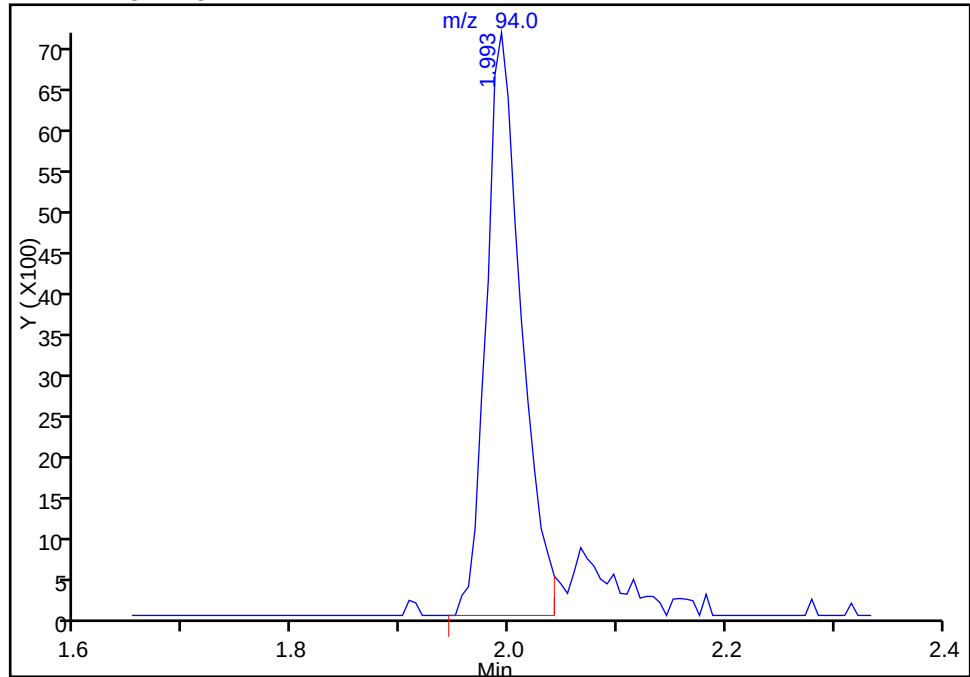
Column: ZB-624 (0.25 mm)

Detector: MS SCAN

14 Bromomethane, CAS: 74-83-9

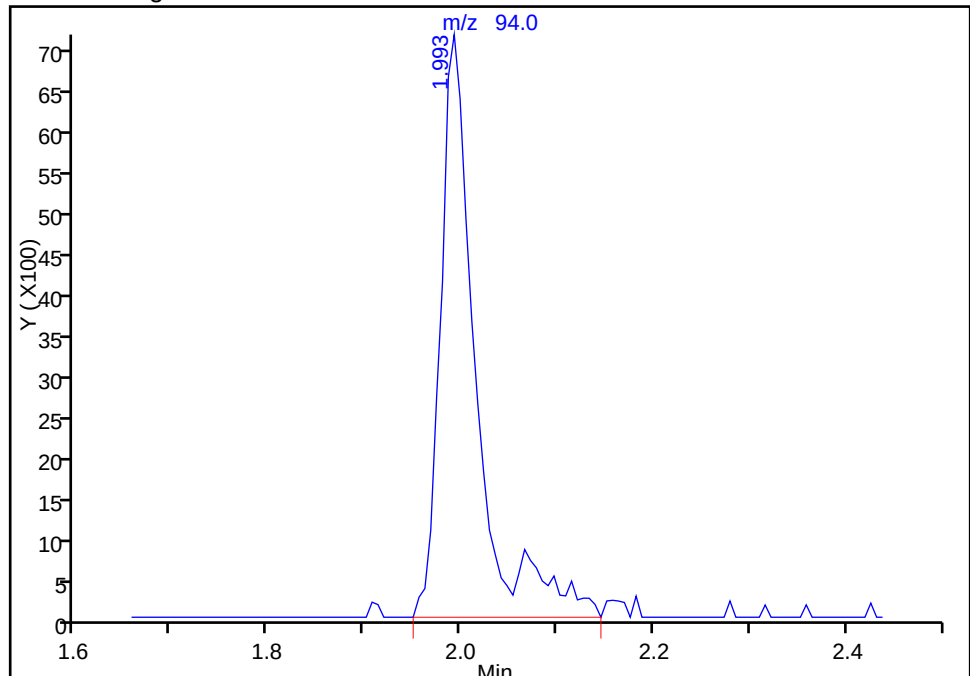
RT: 1.99
Response: 16066
Amount: 8.365090

Processing Integration Results



RT: 1.99
Response: 18435
Amount: 9.405207

Manual Integration Results



Reviewer: sobolr, 11-Jun-2014 09:24:32

Audit Action: Manually Integrated

Audit Reason: Split Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31253.D
 Lims ID: ICIS 4
 Client ID:
 Sample Type: ICIS Calib Level: 5
 Inject. Date: 10-Jun-2014 16:39:30 ALS Bottle#: 6 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ICIS 4
 Misc. Info.: 480-0032823-008 =480-0032823-008
 Operator ID: RAS Instrument ID: HP5973G
 Sublist: chrom-G-8260*sub20
 Method: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 11-Jun-2014 09:24:42 Calib Date: 10-Jun-2014 21:12:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31265.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK047

First Level Reviewer: sobolr

Date: 11-Jun-2014 09:14:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.596	5.596	0.000	97	108741	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.595	8.595	0.000	88	223878	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.973	10.973	0.000	75	183642	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	5.005	5.005	0.000	79	114629	25.0	25.1	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.316	5.316	0.000	0	82040	25.0	24.5	
\$ 5 Toluene-d8 (Surr)	98	7.114	7.114	0.000	92	508503	25.0	25.0	
\$ 6 4-Bromofluorobenzene (Surr	174	9.839	9.839	0.000	81	137349	25.0	25.2	
10 Dichlorodifluoromethane	85	1.426	1.426	0.000	87	196995	25.0	23.3	
12 Chloromethane	50	1.579	1.579	0.000	89	180873	25.0	24.5	
13 Vinyl chloride	62	1.694	1.694	0.000	83	169386	25.0	24.4	
144 Butadiene	54	1.719	1.719	0.000	92	145083	25.0	23.7	
14 Bromomethane	94	1.993	1.993	0.000	90	46003	25.0	22.6	
15 Chloroethane	64	2.121	2.121	0.000	94	86541	25.0	23.4	
16 Dichlorofluoromethane	67	2.341	2.341	0.000	97	165290	25.0	25.6	
17 Trichlorofluoromethane	101	2.353	2.353	0.000	74	180832	25.0	24.6	
18 Ethyl ether	59	2.621	2.621	0.000	88	113004	25.0	24.7	
19 Acrolein	56	2.786	2.786	0.000	93	82965	125.0	121.4	
21 1,1,2-Trichloro-1,2,2-trif	101	2.871	2.871	0.000	50	120804	25.0	22.1	
20 1,1-Dichloroethene	96	2.877	2.877	0.000	89	148970	25.0	23.5	
22 Acetone	43	2.938	2.938	0.000	98	238736	125.0	123.1	
23 Iodomethane	142	3.042	3.042	0.000	98	187981	25.0	25.8	
24 Carbon disulfide	76	3.072	3.072	0.000	99	416426	25.0	23.6	
26 3-Chloro-1-propene	41	3.200	3.200	0.000	78	210713	25.0	24.0	
28 Methyl acetate	43	3.243	3.243	0.000	96	555023	125.0	127.7	
29 Methylene Chloride	84	3.383	3.383	0.000	82	166281	25.0	24.9	
30 2-Methyl-2-propanol	59	3.505	3.505	0.000	99	195109	250.0	255.0	
31 Methyl tert-butyl ether	73	3.572	3.572	0.000	85	456720	25.0	25.4	
32 trans-1,2-Dichloroethene	96	3.578	3.578	0.000	58	127425	25.0	23.8	
33 Acrylonitrile	53	3.603	3.603	0.000	98	542951	250.0	251.5	
34 Hexane	57	3.792	3.792	0.000	93	170420	25.0	23.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.987	3.987	0.000	86	228836	25.0	24.4	
38 Vinyl acetate	43	4.041	4.041	0.000	97	553652	50.0	51.5	
42 2,2-Dichloropropane	77	4.517	4.517	0.000	91	113575	25.0	24.5	
43 cis-1,2-Dichloroethene	96	4.541	4.541	0.000	70	135689	25.0	24.6	
44 2-Butanone (MEK)	43	4.572	4.572	0.000	94	351245	125.0	129.4	
48 Chlorobromomethane	128	4.773	4.773	0.000	93	62705	25.0	24.7	
49 Tetrahydrofuran	42	4.810	4.810	0.000	87	95453	50.0	48.7	
50 Chloroform	85	4.852	4.852	0.000	80	143914	25.0	24.1	
51 1,1,1-Trichloroethane	97	4.980	4.980	0.000	92	167647	25.0	24.2	
52 Cyclohexane	56	5.005	5.005	0.000	90	227585	25.0	23.1	
53 Carbon tetrachloride	117	5.127	5.127	0.000	73	150951	25.0	23.7	
54 1,1-Dichloropropene	75	5.133	5.133	0.000	91	162960	25.0	23.8	
55 Isobutyl alcohol	43	5.322	5.322	0.000	78	196010	625.0	652.1	
56 Benzene	78	5.334	5.334	0.000	97	522066	25.0	24.4	
57 1,2-Dichloroethane	62	5.389	5.389	0.000	73	204674	25.0	25.0	
59 n-Heptane	43	5.535	5.535	0.000	89	160810	25.0	22.5	
61 Trichloroethene	95	5.944	5.944	0.000	91	129274	25.0	24.4	
62 Methylcyclohexane	83	6.084	6.084	0.000	90	202481	25.0	22.8	
63 1,2-Dichloropropane	63	6.175	6.175	0.000	90	129939	25.0	25.0	
65 Dibromomethane	93	6.309	6.309	0.000	89	77682	25.0	24.3	
66 1,4-Dioxane	88	6.322	6.322	0.000	54	31746	500.0	573.5	
67 Dichlorobromomethane	83	6.462	6.462	0.000	93	168438	25.0	25.3	
70 2-Chloroethyl vinyl ether	63	6.736	6.736	0.000	93	91485	25.0	25.2	
72 cis-1,3-Dichloropropene	75	6.882	6.882	0.000	88	219574	25.0	25.7	
73 4-Methyl-2-pentanone (MIBK)	43	7.016	7.016	0.000	96	741257	125.0	130.6	
74 Toluene	92	7.181	7.181	0.000	94	339809	25.0	24.7	
76 trans-1,3-Dichloropropene	75	7.443	7.443	0.000	92	193140	25.0	26.0	
78 Ethyl methacrylate	69	7.498	7.498	0.000	71	196159	25.0	26.2	
79 1,1,2-Trichloroethane	83	7.632	7.632	0.000	87	96168	25.0	25.6	
80 Tetrachloroethene	166	7.724	7.724	0.000	88	120878	25.0	24.3	
81 1,3-Dichloropropane	76	7.797	7.797	0.000	91	220314	25.0	25.6	
82 2-Hexanone	43	7.858	7.858	0.000	96	531299	125.0	131.2	
83 Chlorodibromomethane	129	8.035	8.035	0.000	89	110083	25.0	26.2	
84 Ethylene Dibromide	107	8.144	8.144	0.000	97	117655	25.0	25.8	
86 Chlorobenzene	112	8.626	8.626	0.000	92	360971	25.0	24.8	
88 1,1,1,2-Tetrachloroethane	131	8.723	8.723	0.000	38	112144	25.0	25.7	
89 Ethylbenzene	91	8.723	8.723	0.000	99	633271	25.0	24.8	
90 m-Xylene & p-Xylene	106	8.845	8.845	0.000	0	244594	25.0	24.4	
91 o-Xylene	106	9.272	9.272	0.000	98	242192	25.0	25.1	
92 Styrene	104	9.297	9.297	0.000	95	423587	25.0	25.4	
93 Bromoform	173	9.534	9.534	0.000	94	60683	25.0	22.4	
95 Isopropylbenzene	105	9.656	9.656	0.000	96	630478	25.0	25.0	
97 Bromobenzene	156	9.992	9.992	0.000	97	138590	25.0	24.7	
98 1,1,2,2-Tetrachloroethane	83	10.022	10.022	0.000	86	158921	25.0	26.0	
99 1,2,3-Trichloropropane	110	10.059	10.059	0.000	62	53355	25.0	25.9	
100 trans-1,4-Dichloro-2-buten	53	10.071	10.071	0.000	34	51909	25.0	26.4	
101 N-Propylbenzene	91	10.077	10.077	0.000	98	746142	25.0	24.8	
102 2-Chlorotoluene	126	10.174	10.174	0.000	94	141292	25.0	25.0	
104 1,3,5-Trimethylbenzene	105	10.248	10.248	0.000	92	549569	25.0	25.3	
105 4-Chlorotoluene	126	10.284	10.284	0.000	89	148611	25.0	25.3	
106 tert-Butylbenzene	134	10.565	10.565	0.000	91	113122	25.0	24.7	
107 1,2,4-Trimethylbenzene	105	10.619	10.619	0.000	69	570774	25.0	25.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.778	10.778	0.000	95	665671	25.0	24.7	
110 1,3-Dichlorobenzene	146	10.906	10.906	0.000	82	279625	25.0	24.9	
111 4-Isopropyltoluene	119	10.912	10.912	0.000	96	576459	25.0	24.9	
113 1,4-Dichlorobenzene	146	10.991	10.991	0.000	92	292553	25.0	25.1	
115 n-Butylbenzene	91	11.296	11.296	0.000	98	528080	25.0	24.8	
116 1,2-Dichlorobenzene	146	11.345	11.345	0.000	90	277446	25.0	25.1	
117 1,2-Dibromo-3-Chloropropan	75	12.058	12.058	0.000	69	35220	25.0	26.3	
119 1,2,4-Trichlorobenzene	180	12.747	12.747	0.000	92	200763	25.0	24.8	
120 Hexachlorobutadiene	225	12.863	12.863	0.000	95	78709	25.0	23.2	
121 Naphthalene	128	12.954	12.954	0.000	98	601815	25.0	25.6	
122 1,2,3-Trichlorobenzene	180	13.162	13.162	0.000	93	192748	25.0	24.7	
S 125 1,2-Dichloroethene, Total	1				0			48.4	
S 126 1,3-Dichloropropene, Total	1				0			51.7	
S 123 Total BTEX	1				0			123.4	
S 124 Xylenes, Total	1				0			49.5	

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31253.D

Injection Date: 10-Jun-2014 16:39:30

Instrument ID: HP5973G

Operator ID: RAS

Lims ID: ICIS 4

Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL

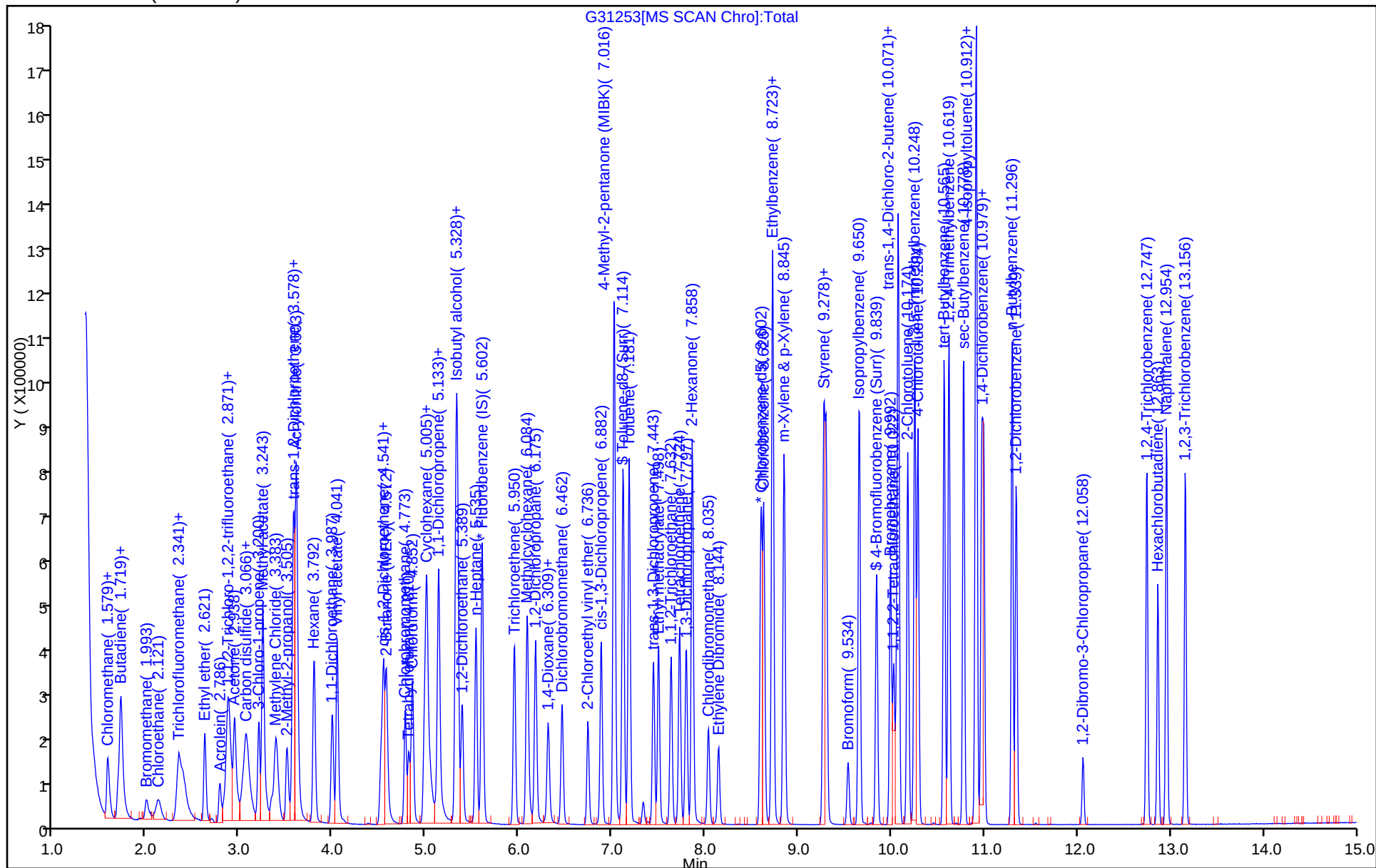
Dil. Factor: 1.0000

ALS Bottle#: 6

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31254.D
 Lims ID: IC 5
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 10-Jun-2014 17:02:30 ALS Bottle#: 7 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 5
 Misc. Info.: 480-0032823-009 =480-0032823-009
 Operator ID: RAS Instrument ID: HP5973G
 Sublist: chrom-G-8260*sub20
 Method: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 11-Jun-2014 09:26:20 Calib Date: 10-Jun-2014 21:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31265.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK047

First Level Reviewer: sobolr

Date: 11-Jun-2014 09:26:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.602	5.596	0.006	98	110277	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.595	8.595	0.000	87	226502	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.973	10.973	0.000	69	189426	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	5.005	5.005	0.000	56	115990	25.0	25.1	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.316	5.316	0.000	0	84157	25.0	24.8	
\$ 5 Toluene-d8 (Surr)	98	7.114	7.114	0.000	93	513118	25.0	25.0	
\$ 6 4-Bromofluorobenzene (Surr	174	9.839	9.839	0.000	82	138999	25.0	25.2	
10 Dichlorodifluoromethane	85	1.426	1.426	0.000	88	418561	50.0	48.9	
12 Chloromethane	50	1.578	1.579	-0.001	89	380327	50.0	50.8	
13 Vinyl chloride	62	1.700	1.694	0.006	84	353008	50.0	50.2	
144 Butadiene	54	1.719	1.719	0.000	95	306656	50.0	49.3	
14 Bromomethane	94	1.993	1.993	0.000	92	100470	50.0	48.7	
15 Chloroethane	64	2.127	2.121	0.006	95	175441	50.0	46.8	
16 Dichlorofluoromethane	67	2.340	2.341	-0.001	82	373458	50.0	57.0	
17 Trichlorofluoromethane	101	2.353	2.353	0.000	84	400211	50.0	53.7	
18 Ethyl ether	59	2.621	2.621	0.000	90	229713	50.0	49.6	
19 Acrolein	56	2.779	2.786	-0.007	95	167645	250.0	241.9	
21 1,1,2-Trichloro-1,2,2-trif	101	2.877	2.871	0.006	52	276716	50.0	49.8	
20 1,1-Dichloroethene	96	2.871	2.877	-0.006	87	321473	50.0	50.0	
22 Acetone	43	2.938	2.938	0.000	99	478733	250.0	243.4	
23 Iodomethane	142	3.035	3.042	-0.007	98	376324	50.0	51.0	
24 Carbon disulfide	76	3.072	3.072	0.000	100	894549	50.0	50.0	
26 3-Chloro-1-propene	41	3.200	3.200	0.000	82	443168	50.0	49.8	
28 Methyl acetate	43	3.243	3.243	0.000	95	1119583	250.0	254.0	
29 Methylene Chloride	84	3.383	3.383	0.000	85	335500	50.0	50.4	
30 2-Methyl-2-propanol	59	3.499	3.505	-0.006	99	412214	500.0	531.2	
31 Methyl tert-butyl ether	73	3.566	3.572	-0.006	91	922460	50.0	50.6	
32 trans-1,2-Dichloroethene	96	3.578	3.578	0.000	90	268801	50.0	49.5	
33 Acrylonitrile	53	3.602	3.603	-0.001	98	1084316	500.0	495.3	
34 Hexane	57	3.798	3.792	0.006	93	374103	50.0	50.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.993	3.987	0.006	85	474278	50.0	49.9	
38 Vinyl acetate	43	4.041	4.041	0.000	97	1140145	100.0	104.6	
42 2,2-Dichloropropane	77	4.517	4.517	0.000	90	238100	50.0	50.6	
43 cis-1,2-Dichloroethene	96	4.541	4.541	0.000	71	279357	50.0	50.0	
44 2-Butanone (MEK)	43	4.572	4.572	0.000	100	715495	250.0	260.0	
48 Chlorobromomethane	128	4.773	4.773	0.000	94	132194	50.0	51.3	
49 Tetrahydrofuran	42	4.810	4.810	0.000	86	194858	100.0	98.0	
50 Chloroform	85	4.852	4.852	0.000	81	300869	50.0	49.6	
51 1,1,1-Trichloroethane	97	4.980	4.980	0.000	92	362222	50.0	51.5	
52 Cyclohexane	56	5.005	5.005	0.000	91	506748	50.0	50.7	
53 Carbon tetrachloride	117	5.127	5.127	0.000	82	338457	50.0	52.4	
54 1,1-Dichloropropene	75	5.133	5.133	0.000	94	351598	50.0	50.6	
55 Isobutyl alcohol	43	5.322	5.322	0.000	92	409148	1250.0	1342.1	
56 Benzene	78	5.334	5.334	0.000	97	1079415	50.0	49.7	
57 1,2-Dichloroethane	62	5.389	5.389	0.000	82	417767	50.0	50.3	
59 n-Heptane	43	5.535	5.535	0.000	91	350786	50.0	48.4	
61 Trichloroethene	95	5.943	5.944	-0.001	94	267707	50.0	49.8	
62 Methylcyclohexane	83	6.084	6.084	0.000	91	454134	50.0	50.5	
63 1,2-Dichloropropane	63	6.175	6.175	0.000	90	270311	50.0	51.2	
65 Dibromomethane	93	6.309	6.309	0.000	91	164652	50.0	50.8	
66 1,4-Dioxane	88	6.321	6.322	-0.001	90	66944	1000.0	1173.1	M
67 Dichlorobromomethane	83	6.462	6.462	0.000	93	361332	50.0	53.5	
70 2-Chloroethyl vinyl ether	63	6.736	6.736	0.000	92	192725	50.0	52.4	
72 cis-1,3-Dichloropropene	75	6.882	6.882	0.000	89	465152	50.0	53.7	
73 4-Methyl-2-pentanone (MIBK)	43	7.016	7.016	0.000	96	1495811	250.0	260.6	
74 Toluene	92	7.181	7.181	0.000	98	706177	50.0	50.8	
76 trans-1,3-Dichloropropene	75	7.443	7.443	0.000	92	417362	50.0	55.5	
78 Ethyl methacrylate	69	7.498	7.498	0.000	89	407749	50.0	53.8	
79 1,1,2-Trichloroethane	83	7.632	7.632	0.000	87	196718	50.0	51.7	
80 Tetrachloroethene	166	7.724	7.724	0.000	88	256319	50.0	50.9	
81 1,3-Dichloropropane	76	7.797	7.797	0.000	93	451343	50.0	51.8	
82 2-Hexanone	43	7.858	7.858	0.000	96	1076109	250.0	262.7	
83 Chlorodibromomethane	129	8.034	8.035	-0.001	89	245369	50.0	57.8	
84 Ethylene Dibromide	107	8.138	8.144	-0.006	98	241143	50.0	52.3	
86 Chlorobenzene	112	8.626	8.626	0.000	92	756152	50.0	51.4	
88 1,1,1,2-Tetrachloroethane	131	8.723	8.723	0.000	87	239788	50.0	54.3	
89 Ethylbenzene	91	8.723	8.723	0.000	99	1313467	50.0	50.9	
90 m-Xylene & p-Xylene	106	8.845	8.845	0.000	0	519676	50.0	51.3	
91 o-Xylene	106	9.272	9.272	0.000	98	505499	50.0	51.7	
92 Styrene	104	9.296	9.297	-0.001	95	884747	50.0	52.4	
93 Bromoform	173	9.534	9.534	0.000	94	143227	50.0	48.4	
95 Isopropylbenzene	105	9.656	9.656	0.000	96	1325234	50.0	50.9	
97 Bromobenzene	156	9.991	9.992	-0.001	98	291471	50.0	50.4	
98 1,1,2,2-Tetrachloroethane	83	10.022	10.022	0.000	86	331765	50.0	52.6	
99 1,2,3-Trichloropropane	110	10.058	10.059	-0.001	82	108404	50.0	51.0	
100 trans-1,4-Dichloro-2-buten	53	10.071	10.071	0.000	75	117889	50.0	58.0	
101 N-Propylbenzene	91	10.077	10.077	0.000	98	1565934	50.0	50.5	
102 2-Chlorotoluene	126	10.174	10.174	0.000	94	291916	50.0	50.0	
104 1,3,5-Trimethylbenzene	105	10.254	10.248	0.006	93	1147068	50.0	51.2	
105 4-Chlorotoluene	126	10.284	10.284	0.000	97	308728	50.0	50.9	
106 tert-Butylbenzene	134	10.564	10.565	-0.001	87	239712	50.0	50.7	
107 1,2,4-Trimethylbenzene	105	10.619	10.619	0.000	98	1200977	50.0	51.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.778	10.778	0.000	95	1414691	50.0	50.8	
110 1,3-Dichlorobenzene	146	10.906	10.906	0.000	95	578622	50.0	49.9	
111 4-Isopropyltoluene	119	10.912	10.912	0.000	96	1213574	50.0	50.8	
113 1,4-Dichlorobenzene	146	10.991	10.991	0.000	91	605022	50.0	50.3	
115 n-Butylbenzene	91	11.296	11.296	0.000	98	1138231	50.0	51.8	
116 1,2-Dichlorobenzene	146	11.345	11.345	0.000	93	576465	50.0	50.5	
117 1,2-Dibromo-3-Chloropropan	75	12.058	12.058	0.000	74	77856	50.0	56.4	
119 1,2,4-Trichlorobenzene	180	12.747	12.747	0.000	93	441605	50.0	53.0	
120 Hexachlorobutadiene	225	12.863	12.863	0.000	94	177613	50.0	50.8	
121 Naphthalene	128	12.954	12.954	0.000	98	1325175	50.0	54.7	
122 1,2,3-Trichlorobenzene	180	13.162	13.162	0.000	93	427411	50.0	53.2	
S 123 Total BTEX	1				0			254.4	
S 124 Xylenes, Total	1				0			103.0	
S 125 1,2-Dichloroethene, Total	1				0			99.5	
S 126 1,3-Dichloropropene, Total	1				0			109.3	

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31254.D

Injection Date: 10-Jun-2014 17:02:30

Instrument ID: HP5973G

Operator ID: RAS

Lims ID: IC 5

Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL

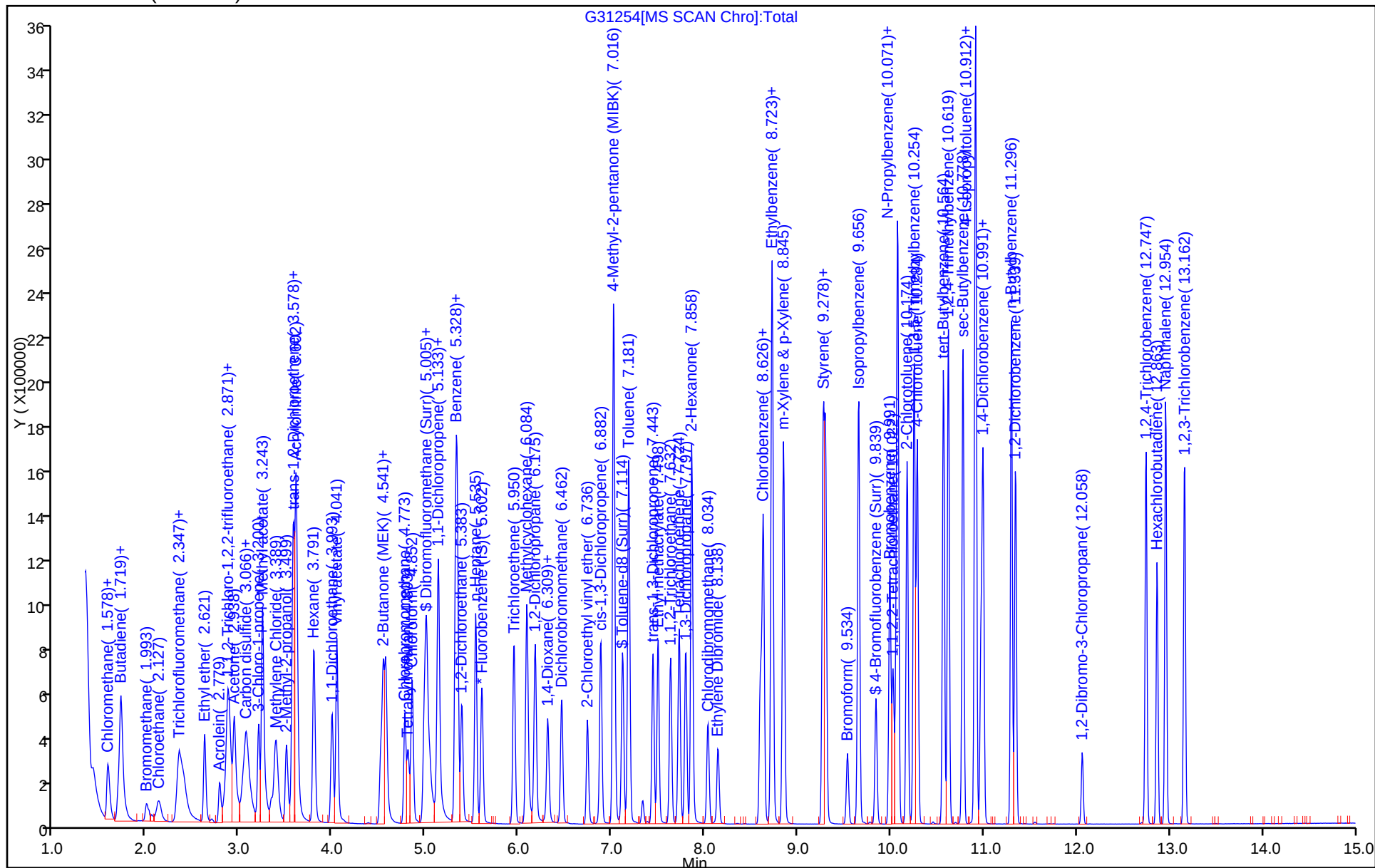
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31254.D

Injection Date: 10-Jun-2014 17:02:30

Instrument ID: HP5973G

Lims ID: IC 5

Client ID:

Operator ID: RAS

ALS Bottle#:

7

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: G-8260

Limit Group:

MV - 8260C ICAL

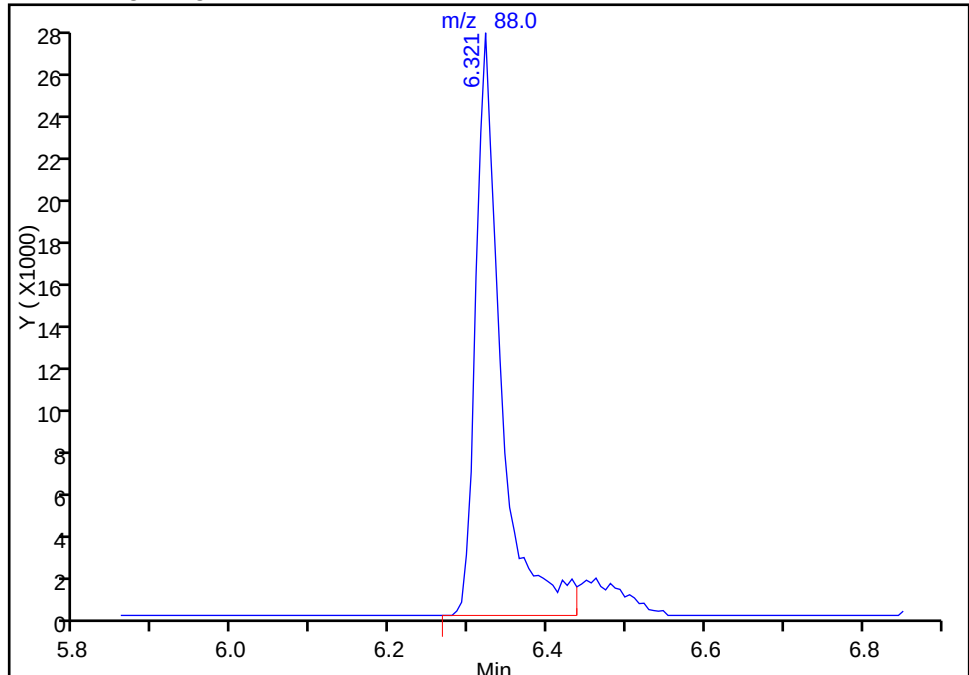
Column: ZB-624 (0.25 mm)

Detector

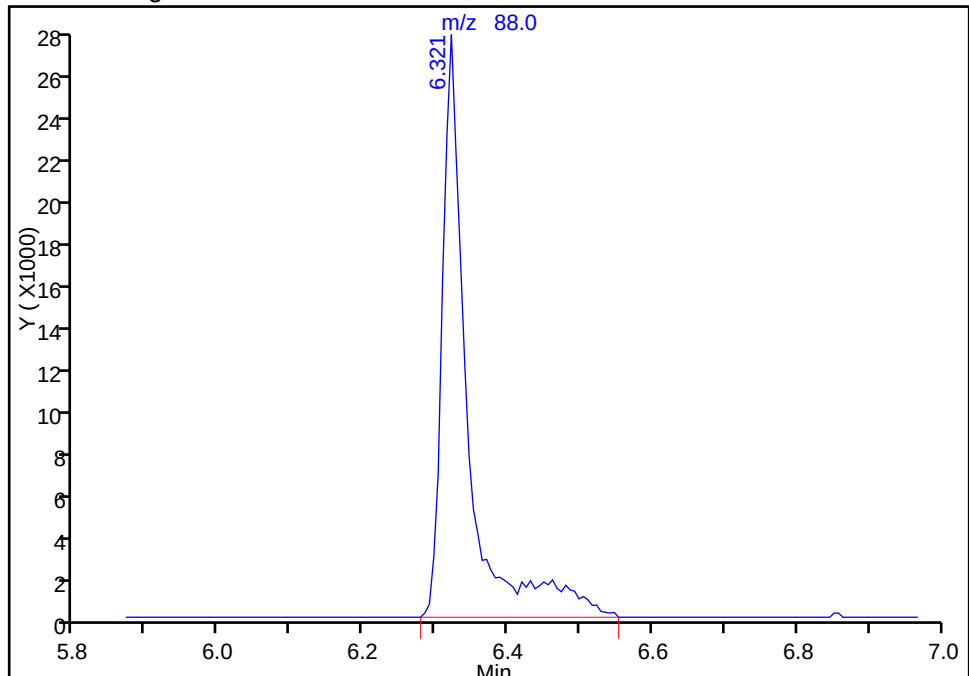
MS SCAN

66 1,4-Dioxane, CAS: 123-91-1RT: 6.32
Response: 60555
Amount: 1081.3174

Processing Integration Results

RT: 6.32
Response: 66944
Amount: 1173.0985

Manual Integration Results



Reviewer: sobolr, 11-Jun-2014 09:26:20

Audit Action: Manually Integrated

Audit Reason: Split Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31255.D
 Lims ID: IC 6
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 10-Jun-2014 17:24:30 ALS Bottle#: 8 Worklist Smp#: 10
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 6
 Misc. Info.: 480-0032823-010 =480-0032823-010
 Operator ID: RAS Instrument ID: HP5973G
 Sublist: chrom-G-8260*sub20
 Method: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 11-Jun-2014 09:27:44 Calib Date: 10-Jun-2014 21:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31265.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK047

First Level Reviewer: sobolr

Date: 11-Jun-2014 09:27:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.602	5.596	0.006	98	110958	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.595	8.595	0.000	88	233302	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.973	10.973	0.000	81	198352	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	5.004	5.005	-0.001	68	115750	25.0	24.9	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.315	5.316	-0.001	0	83807	25.0	24.5	
\$ 5 Toluene-d8 (Surr)	98	7.114	7.114	0.000	92	527132	25.0	24.9	
\$ 6 4-Bromofluorobenzene (Surr	174	9.839	9.839	0.000	82	144031	25.0	25.3	
10 Dichlorodifluoromethane	85	1.426	1.426	0.000	88	921093	100.0	106.9	
12 Chloromethane	50	1.584	1.579	0.005	89	795411	100.0	105.7	
13 Vinyl chloride	62	1.706	1.694	0.012	83	741203	100.0	104.8	
144 Butadiene	54	1.725	1.719	0.006	93	661706	100.0	105.8	
14 Bromomethane	94	2.005	1.993	0.012	91	248676	100.0	119.8	
15 Chloroethane	64	2.127	2.121	0.006	95	356699	100.0	94.6	
16 Dichlorofluoromethane	67	2.340	2.341	-0.001	81	782191	100.0	118.6	
17 Trichlorofluoromethane	101	2.359	2.353	0.006	87	886410	100.0	118.1	
18 Ethyl ether	59	2.621	2.621	0.000	90	467245	100.0	100.3	
19 Acrolein	56	2.785	2.786	-0.001	94	339034	500.0	486.2	
21 1,1,2-Trichloro-1,2,2-trif	101	2.871	2.871	0.000	84	599326	100.0	107.2	
20 1,1-Dichloroethene	96	2.877	2.877	0.000	88	668750	100.0	103.4	
22 Acetone	43	2.938	2.938	0.000	99	940074	500.0	475.0	
23 Iodomethane	142	3.035	3.042	-0.007	97	724336	100.0	97.6	
24 Carbon disulfide	76	3.072	3.072	0.000	100	1854336	100.0	102.9	
26 3-Chloro-1-propene	41	3.206	3.200	0.006	82	895806	100.0	100.1	
28 Methyl acetate	43	3.243	3.243	0.000	95	2172320	500.0	489.7	
29 Methylene Chloride	84	3.389	3.383	0.006	85	662559	100.0	99.8	
30 2-Methyl-2-propanol	59	3.499	3.505	-0.006	99	796454	1000.0	1020.0	
31 Methyl tert-butyl ether	73	3.572	3.572	0.000	88	1831700	100.0	99.9	
32 trans-1,2-Dichloroethene	96	3.584	3.578	0.006	94	527400	100.0	96.6	
33 Acrylonitrile	53	3.608	3.603	0.005	98	2102092	1000.0	954.3	
34 Hexane	57	3.797	3.792	0.005	94	793486	100.0	106.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.992	3.987	0.005	85	961907	100.0	100.5	
38 Vinyl acetate	43	4.041	4.041	0.000	97	2280429	200.0	207.9	
42 2,2-Dichloropropane	77	4.517	4.517	0.000	91	460129	100.0	97.1	
43 cis-1,2-Dichloroethene	96	4.541	4.541	0.000	70	570220	100.0	101.3	
44 2-Butanone (MEK)	43	4.565	4.572	-0.007	98	1393783	500.0	503.3	
48 Chlorobromomethane	128	4.779	4.773	0.006	94	263840	100.0	101.7	
49 Tetrahydrofuran	42	4.803	4.810	-0.007	86	386392	200.0	193.1	
50 Chloroform	85	4.852	4.852	0.000	81	610126	100.0	100.0	
51 1,1,1-Trichloroethane	97	4.986	4.980	0.006	92	747584	100.0	105.6	
52 Cyclohexane	56	5.011	5.005	0.005	91	1083973	100.0	107.7	
53 Carbon tetrachloride	117	5.126	5.127	-0.001	78	734141	100.0	112.9	
54 1,1-Dichloropropene	75	5.139	5.133	0.006	94	723533	100.0	103.6	
55 Isobutyl alcohol	43	5.321	5.322	-0.001	92	789673	2500.0	2574.5	
56 Benzene	78	5.334	5.334	0.000	97	2145149	100.0	98.1	
57 1,2-Dichloroethane	62	5.388	5.389	-0.001	90	833172	100.0	99.8	
59 n-Heptane	43	5.535	5.535	0.000	91	756734	100.0	103.7	
61 Trichloroethene	95	5.949	5.944	0.005	94	553189	100.0	102.3	
62 Methylcyclohexane	83	6.083	6.084	-0.001	90	1005370	100.0	111.1	
63 1,2-Dichloropropane	63	6.175	6.175	0.000	91	543465	100.0	102.3	
65 Dibromomethane	93	6.309	6.309	0.000	90	331916	100.0	101.7	
66 1,4-Dioxane	88	6.321	6.322	-0.001	90	126227	2000.0	2117.0	M
67 Dichlorobromomethane	83	6.461	6.462	-0.001	93	752482	100.0	110.7	
70 2-Chloroethyl vinyl ether	63	6.736	6.736	0.000	92	397353	100.0	107.4	
72 cis-1,3-Dichloropropene	75	6.882	6.882	0.000	90	935173	100.0	107.4	
73 4-Methyl-2-pentanone (MIBK)	43	7.016	7.016	0.000	95	2874319	500.0	486.1	
74 Toluene	92	7.181	7.181	0.000	98	1418221	100.0	99.1	
76 trans-1,3-Dichloropropene	75	7.443	7.443	0.000	92	855770	100.0	110.5	
78 Ethyl methacrylate	69	7.498	7.498	0.000	89	823473	100.0	105.6	
79 1,1,2-Trichloroethane	83	7.632	7.632	0.000	88	398606	100.0	101.7	
80 Tetrachloroethene	166	7.723	7.724	-0.001	88	530823	100.0	102.4	
81 1,3-Dichloropropane	76	7.797	7.797	0.000	93	911650	100.0	101.5	
82 2-Hexanone	43	7.858	7.858	0.000	96	2067337	500.0	490.0	
83 Chlorodibromomethane	129	8.034	8.035	-0.001	89	521912	100.0	119.3	
84 Ethylene Dibromide	107	8.144	8.144	0.000	98	495939	100.0	104.5	
86 Chlorobenzene	112	8.626	8.626	0.000	92	1510287	100.0	99.7	
88 1,1,1,2-Tetrachloroethane	131	8.723	8.723	0.000	88	485493	100.0	106.8	
89 Ethylbenzene	91	8.723	8.723	0.000	99	2625638	100.0	98.7	
90 m-Xylene & p-Xylene	106	8.845	8.845	0.000	0	1057424	100.0	101.3	
91 o-Xylene	106	9.272	9.272	0.000	98	1015252	100.0	100.9	
92 Styrene	104	9.296	9.297	-0.001	95	1786494	100.0	102.8	
93 Bromoform	173	9.534	9.534	0.000	94	319952	100.0	101.5	
95 Isopropylbenzene	105	9.656	9.656	0.000	97	2691580	100.0	98.7	
97 Bromobenzene	156	9.991	9.992	-0.001	97	590905	100.0	97.6	
98 1,1,2,2-Tetrachloroethane	83	10.022	10.022	0.000	87	671847	100.0	101.7	
99 1,2,3-Trichloropropane	110	10.058	10.059	-0.001	82	218478	100.0	98.2	
100 trans-1,4-Dichloro-2-buten	53	10.070	10.071	-0.001	70	240533	100.0	113.1	
101 N-Propylbenzene	91	10.077	10.077	0.000	98	3142827	100.0	96.7	
102 2-Chlorotoluene	126	10.174	10.174	0.000	94	599244	100.0	98.0	
104 1,3,5-Trimethylbenzene	105	10.253	10.248	0.005	92	2357220	100.0	100.4	
105 4-Chlorotoluene	126	10.284	10.284	0.000	99	633156	100.0	99.6	
106 tert-Butylbenzene	134	10.564	10.565	-0.001	91	496437	100.0	100.2	
107 1,2,4-Trimethylbenzene	105	10.619	10.619	0.000	98	2449590	100.0	99.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.778	10.778	0.000	95	2956730	100.0	101.4	
110 1,3-Dichlorobenzene	146	10.906	10.906	0.000	94	1154798	100.0	95.2	
111 4-Isopropyltoluene	119	10.918	10.912	0.006	96	2485026	100.0	99.3	
113 1,4-Dichlorobenzene	146	10.991	10.991	0.000	91	1238414	100.0	98.4	
115 n-Butylbenzene	91	11.296	11.296	0.000	98	2395195	100.0	104.0	
116 1,2-Dichlorobenzene	146	11.339	11.345	-0.006	93	1190480	100.0	99.5	
117 1,2-Dibromo-3-Chloropropan	75	12.058	12.058	0.000	75	174842	100.0	120.9	
119 1,2,4-Trichlorobenzene	180	12.747	12.747	0.000	92	950081	100.0	108.8	
120 Hexachlorobutadiene	225	12.863	12.863	0.000	94	402966	100.0	110.2	
121 Naphthalene	128	12.954	12.954	0.000	98	2803352	100.0	110.4	
122 1,2,3-Trichlorobenzene	180	13.161	13.162	-0.001	93	909141	100.0	108.0	
S 123 Total BTEX	1				0			498.1	
S 124 Xylenes, Total	1				0			202.2	
S 125 1,2-Dichloroethene, Total	1				0			198.0	
S 126 1,3-Dichloropropene, Total	1				0			217.9	

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31255.D

Injection Date: 10-Jun-2014 17:24:30

Instrument ID: HP5973G

Operator ID: RAS

Lims ID: IC 6

Worklist Smp#: 10

Client ID:

Purge Vol: 5.000 mL

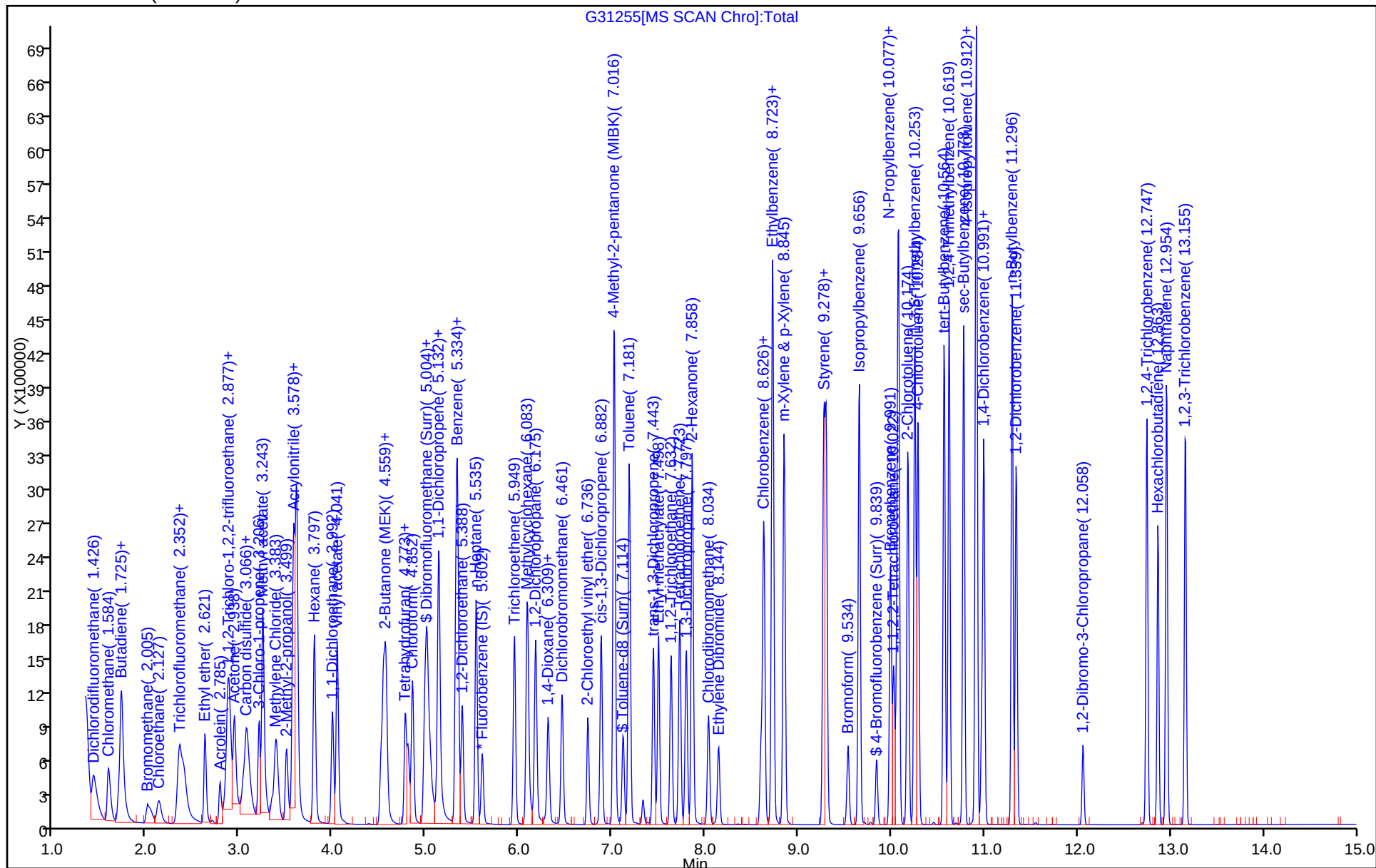
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31255.D

Injection Date: 10-Jun-2014 17:24:30

Instrument ID: HP5973G

Lims ID: IC 6

Client ID:

Operator ID: RAS

ALS Bottle#:

8

Worklist Smp#: 10

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: G-8260

Limit Group: MV - 8260C ICAL

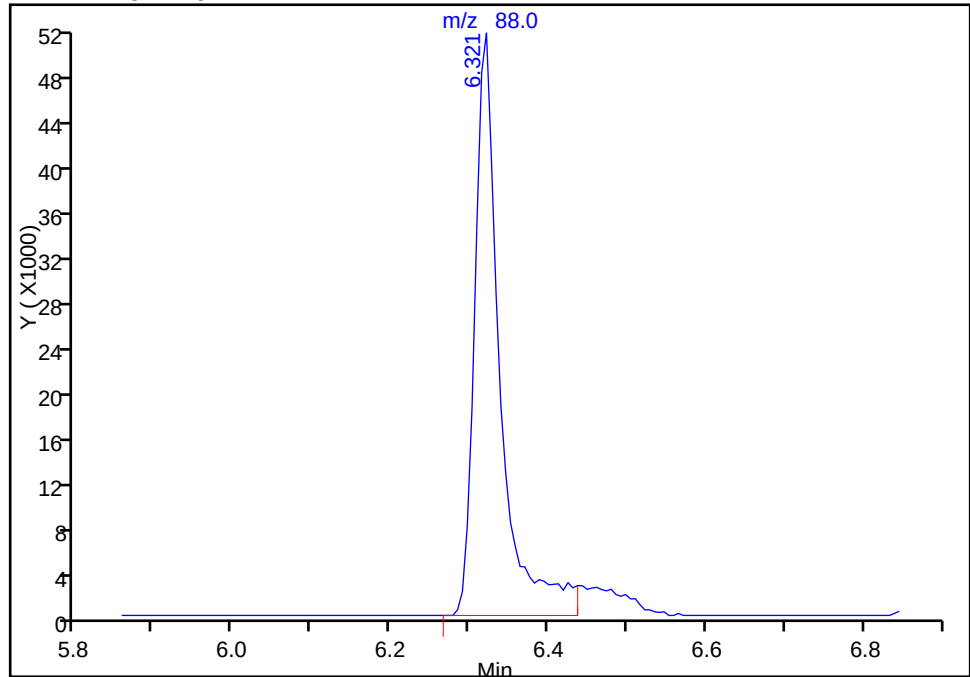
Column: ZB-624 (0.25 mm)

Detector: MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

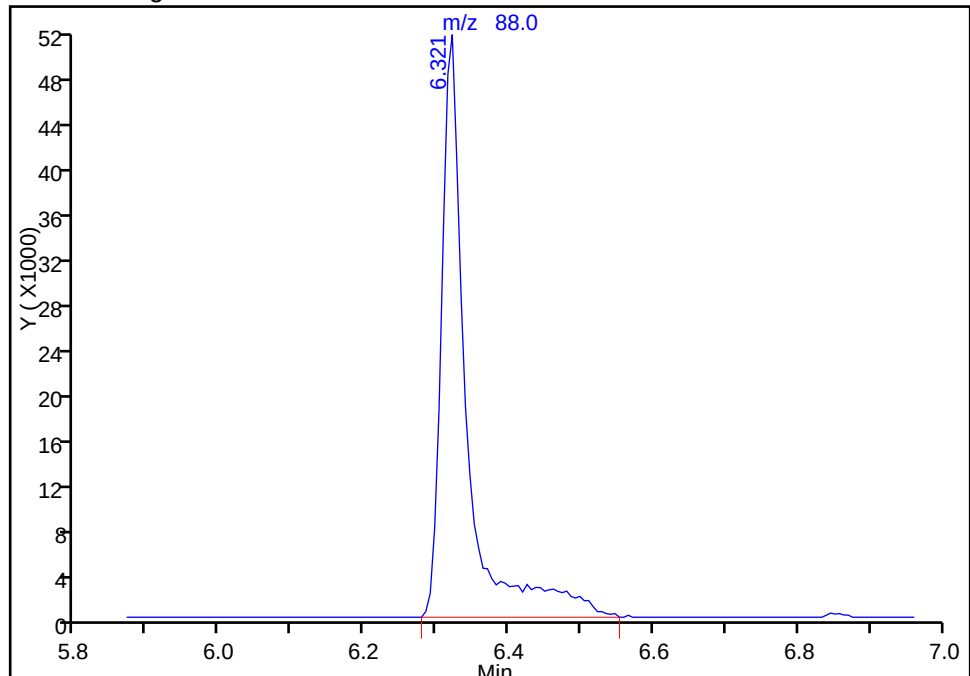
RT: 6.32
Response: 116069
Amount: 1974.6615

Processing Integration Results



RT: 6.32
Response: 126227
Amount: 2116.9902

Manual Integration Results



Reviewer: sobolr, 11-Jun-2014 09:27:44

Audit Action: Manually Integrated

Audit Reason: Split Peak

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1

SDG No.: _____

Lab Sample ID: CCVIS 480-190745/3 Calibration Date: 07/01/2014 11:23

Instrument ID: HP5973G Calib Start Date: 06/10/2014 15:07

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 06/10/2014 17:24

Lab File ID: G31949.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	1.942	1.323	0.1000	17.0	25.0	-31.9*	20.0
Chloromethane	Ave	1.696	1.608	0.1000	23.7	25.0	-5.2	20.0
Vinyl chloride	Ave	1.594	1.523	0.1000	23.9	25.0	-4.4	20.0
Butadiene	Ave	1.410	1.243		22.0	25.0	-11.8	20.0
Bromomethane	Ave	0.4677	0.6063	0.1000	32.4	25.0	29.6*	20.0
Chloroethane	Ave	0.8493	0.8342	0.1000	24.6	25.0	-1.8	20.0
Dichlorofluoromethane	Ave	1.486	1.614		27.2	25.0	8.6	20.0
Trichlorofluoromethane	Ave	1.691	1.529	0.1000	22.6	25.0	-9.6	20.0
Ethyl ether	Ave	1.050	1.125		26.8	25.0	7.2	20.0
Acrolein	Ave	0.1571	0.1491		119	125	-5.1	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.259	0.8066	0.1000	16.0	25.0	-36.0*	20.0
1,1-Dichloroethene	Ave	1.457	1.238	0.1000	21.2	25.0	-15.0	20.0
Acetone	Ave	0.4460	0.4070	0.1000	114	125	-8.7	20.0
Iodomethane	Ave	1.672	1.634		24.4	25.0	-2.3	20.0
Carbon disulfide	Ave	4.059	3.381	0.1000	20.8	25.0	-16.7	20.0
Allyl chloride	Ave	2.017	1.795		22.2	25.0	-11.0	20.0
Methyl acetate	Ave	0.999	0.9650	0.1000	121	125	-3.5	20.0
Methylene Chloride	Linl		1.572	0.1000	25.6	25.0	2.5	20.0
2-Methyl-2-propanol	Ave	0.1759	0.1177		167	250	-33.1*	20.0
Methyl tert-butyl ether	Ave	4.130	4.040	0.1000	24.5	25.0	-2.2	20.0
trans-1,2-Dichloroethene	Ave	1.230	1.105	0.1000	22.5	25.0	-10.1	20.0
Acrylonitrile	Ave	0.4963	0.4548		229	250	-8.4	20.0
Hexane	Ave	1.677	1.107		16.5	25.0	-34.0*	20.0
1,1-Dichloroethane	Ave	2.156	2.034	0.2000	23.6	25.0	-5.7	20.0
Vinyl acetate	Ave	2.472	2.229		45.1	50.0	-9.8	20.0
2,2-Dichloropropane	Ave	1.067	1.035		24.2	25.0	-3.0	20.0
cis-1,2-Dichloroethene	Ave	1.268	1.206	0.1000	23.8	25.0	-4.8	20.0
2-Butanone (MEK)	Ave	0.6239	0.5762	0.1000	115	125	-7.6	20.0
Chlorobromomethane	Ave	0.5844	0.5815		24.9	25.0	-0.5	20.0
Tetrahydrofuran	Ave	0.4510	0.3868		42.9	50.0	-14.2	20.0
Chloroform	Ave	1.374	1.307	0.2000	23.8	25.0	-4.9	20.0
1,1,1-Trichloroethane	Ave	1.595	1.443	0.1000	22.6	25.0	-9.5	20.0
Cyclohexane	Ave	2.267	1.561	0.1000	17.2	25.0	-31.2*	20.0
Carbon tetrachloride	Ave	1.466	1.130	0.1000	19.3	25.0	-22.9*	20.0
1,1-Dichloropropene	Ave	1.574	1.397		22.2	25.0	-11.2	20.0
Isobutyl alcohol	Ave	0.0691	0.0483		437	625	-30.1*	20.0
Benzene	Ave	4.924	4.676	0.5000	23.7	25.0	-5.0	20.0
1,2-Dichloroethane	Ave	1.881	1.862	0.1000	24.7	25.0	-1.0	20.0
n-Heptane	Ave	1.644	1.105		16.8	25.0	-32.8*	20.0
Trichloroethene	Ave	1.218	1.111	0.2000	22.8	25.0	-8.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1

SDG No.: _____

Lab Sample ID: CCVIS 480-190745/3 Calibration Date: 07/01/2014 11:23

Instrument ID: HP5973G Calib Start Date: 06/10/2014 15:07

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 06/10/2014 17:24

Lab File ID: G31949.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
Methylcyclohexane	Ave	2.039	1.413	0.1000	17.3	25.0	-30.7*	20.0
1,2-Dichloropropane	Ave	1.197	1.183	0.1000	24.7	25.0	-1.1	20.0
Dibromomethane	Ave	0.7353	0.7089	0.1000	24.1	25.0	-3.6	20.0
1,4-Dioxane	Ave	0.0064	0.0034		264	500	-47.2*	20.0
Bromodichloromethane	Ave	1.531	1.411	0.2000	23.0	25.0	-7.9	20.0
2-Chloroethyl vinyl ether	Ave	0.8334	0.7613		22.8	25.0	-8.6	20.0
cis-1,3-Dichloropropene	Ave	1.962	1.861	0.2000	23.7	25.0	-5.1	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.6336	0.5825	0.1000	115	125	-8.1	20.0
Toluene	Ave	1.534	1.399	0.4000	22.8	25.0	-8.8	20.0
trans-1,3-Dichloropropene	Ave	0.8296	0.7713	0.1000	23.2	25.0	-7.0	20.0
Ethyl methacrylate	Ave	0.8359	0.7817		23.4	25.0	-6.5	20.0
1,1,2-Trichloroethane	Ave	0.4200	0.4144	0.1000	24.7	25.0	-1.3	20.0
Tetrachloroethene	Ave	0.5557	0.5014	0.2000	22.6	25.0	-9.8	20.0
1,3-Dichloropropane	Ave	0.9623	0.9568		24.9	25.0	-0.6	20.0
2-Hexanone	Ave	0.4521	0.4094	0.1000	113	125	-9.4	20.0
Dibromochloromethane	Ave	0.4688	0.4186	0.1000	22.3	25.0	-10.7	20.0
1,2-Dibromoethane	Ave	0.5085	0.5011		24.6	25.0	-1.5	20.0
Chlorobenzene	Ave	1.623	1.559	0.5000	24.0	25.0	-4.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4873	0.4572		23.5	25.0	-6.2	20.0
Ethylbenzene	Ave	2.850	2.628	0.1000	23.0	25.0	-7.8	20.0
m,p-Xylene	Ave	1.118	1.032	0.1000	23.1	25.0	-7.7	20.0
o-Xylene	Ave	1.079	1.012	0.3000	23.4	25.0	-6.2	20.0
Styrene	Ave	1.862	1.801	0.3000	24.2	25.0	-3.3	20.0
Bromoform	Lin		0.2123	0.1000	18.2	25.0	-27.1*	20.0
Isopropylbenzene	Ave	3.438	3.062	0.1000	22.3	25.0	-11.0	20.0
Bromobenzene	Ave	0.7628	0.7146		23.4	25.0	-6.3	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8322	0.7824	0.3000	23.5	25.0	-6.0	20.0
1,2,3-Trichloropropane	Ave	0.2804	0.2592		23.1	25.0	-7.6	20.0
N-Propylbenzene	Ave	4.096	3.705		22.6	25.0	-9.5	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2681	0.2356		22.0	25.0	-12.1	20.0
2-Chlorotoluene	Ave	0.7707	0.7055		22.9	25.0	-8.5	20.0
1,3,5-Trimethylbenzene	Ave	2.958	2.753		23.3	25.0	-6.9	20.0
4-Chlorotoluene	Ave	0.8011	0.7522		23.5	25.0	-6.1	20.0
tert-Butylbenzene	Ave	0.6244	0.5587		22.4	25.0	-10.5	20.0
1,2,4-Trimethylbenzene	Ave	3.096	2.928		23.6	25.0	-5.4	20.0
sec-Butylbenzene	Ave	3.674	3.375		23.0	25.0	-8.1	20.0
1,3-Dichlorobenzene	Ave	1.529	1.483	0.6000	24.2	25.0	-3.0	20.0
4-Isopropyltoluene	Ave	3.153	2.977		23.6	25.0	-5.6	20.0
1,4-Dichlorobenzene	Ave	1.586	1.531	0.5000	24.1	25.0	-3.5	20.0
n-Butylbenzene	Ave	2.902	2.768		23.8	25.0	-4.6	20.0
1,2-Dichlorobenzene	Ave	1.508	1.481	0.4000	24.6	25.0	-1.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-190745/3 Calibration Date: 07/01/2014 11:23
 Instrument ID: HP5973G Calib Start Date: 06/10/2014 15:07
 GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 06/10/2014 17:24
 Lab File ID: G31949.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-Dibromo-3-Chloropropane	Ave	0.1822	0.1278	0.0500	17.5	25.0	-29.9*	20.0
1,2,4-Trichlorobenzene	Ave	1.100	1.125	0.2000	25.6	25.0	2.2	20.0
Hexachlorobutadiene	Ave	0.4610	0.4670		25.3	25.0	1.3	20.0
Naphthalene	Ave	3.199	2.677		20.9	25.0	-16.3	20.0
1,2,3-Trichlorobenzene	Ave	1.061	1.023		24.1	25.0	-3.5	20.0
Dibromofluoromethane (Surr)	Ave	1.049	1.057		25.2	25.0	0.8	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7699	0.7380		24.0	25.0	-4.1	20.0
Toluene-d8 (Surr)	Ave	2.267	2.193		24.2	25.0	-3.3	20.0
4-Bromofluorobenzene (Surr)	Ave	0.6098	0.6080		24.9	25.0	-0.3	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G31949.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 01-Jul-2014 11:23:30 ALS Bottle#: 33 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCVIS
 Misc. Info.: 480-0033443-003 =480-0033443-003
 Operator ID: NQ Instrument ID: HP5973G
 Sublist: chrom-G-8260*sub20
 Method: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 01-Jul-2014 14:15:17 Calib Date: 10-Jun-2014 21:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31265.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK050

First Level Reviewer: nguyendudziakng

Date: 01-Jul-2014 11:46:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.602	5.602	0.000	98	100376	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.595	8.595	0.000	87	210535	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.967	10.967	0.000	86	180890	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	5.005	5.005	0.000	81	106143	25.0	25.2	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.310	5.310	0.000	0	74079	25.0	24.0	
\$ 5 Toluene-d8 (Surr)	98	7.114	7.114	0.000	93	461630	25.0	24.2	
\$ 6 4-Bromofluorobenzene (Surr	174	9.839	9.839	0.000	82	128010	25.0	24.9	
10 Dichlorodifluoromethane	85	1.432	1.432	0.000	87	132825	25.0	17.0	
12 Chloromethane	50	1.579	1.579	0.000	89	161438	25.0	23.7	
13 Vinyl chloride	62	1.700	1.700	0.000	84	152908	25.0	23.9	
144 Butadiene	54	1.725	1.725	0.000	91	124728	25.0	22.0	
14 Bromomethane	94	1.999	1.999	0.000	91	60859	25.0	32.4	
15 Chloroethane	64	2.127	2.127	0.000	95	83729	25.0	24.6	
16 Dichlorofluoromethane	67	2.334	2.334	0.000	82	162017	25.0	27.2	
17 Trichlorofluoromethane	101	2.365	2.365	0.000	85	153490	25.0	22.6	
18 Ethyl ether	59	2.621	2.621	0.000	91	112902	25.0	26.8	
19 Acrolein	56	2.786	2.786	0.000	94	74838	125.0	118.6	
20 1,1-Dichloroethene	96	2.871	2.871	0.000	89	124298	25.0	21.2	
21 1,1,2-Trichloro-1,2,2-trif	101	2.871	2.871	0.000	43	80961	25.0	16.0	
22 Acetone	43	2.938	2.938	0.000	98	204261	125.0	114.1	
23 Iodomethane	142	3.036	3.036	0.000	98	163997	25.0	24.4	
24 Carbon disulfide	76	3.072	3.072	0.000	100	339333	25.0	20.8	
26 3-Chloro-1-propene	41	3.200	3.200	0.000	83	180186	25.0	22.2	
28 Methyl acetate	43	3.243	3.243	0.000	95	484292	125.0	120.7	
29 Methylene Chloride	84	3.383	3.383	0.000	88	157754	25.0	25.6	
30 2-Methyl-2-propanol	59	3.499	3.499	0.000	98	118093	250.0	167.2	
31 Methyl tert-butyl ether	73	3.566	3.566	0.000	89	405517	25.0	24.5	
32 trans-1,2-Dichloroethene	96	3.578	3.578	0.000	95	110934	25.0	22.5	
33 Acrylonitrile	53	3.603	3.603	0.000	97	456500	250.0	229.1	
34 Hexane	57	3.792	3.792	0.000	94	111078	25.0	16.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.987	3.987	0.000	85	204173	25.0	23.6	
38 Vinyl acetate	43	4.041	4.041	0.000	97	447567	50.0	45.1	
42 2,2-Dichloropropane	77	4.517	4.517	0.000	88	103861	25.0	24.2	
43 cis-1,2-Dichloroethene	96	4.541	4.541	0.000	71	121079	25.0	23.8	
44 2-Butanone (MEK)	43	4.566	4.566	0.000	100	289190	125.0	115.4	
48 Chlorobromomethane	128	4.773	4.773	0.000	94	58364	25.0	24.9	
49 Tetrahydrofuran	42	4.810	4.810	0.000	85	77641	50.0	42.9	
50 Chloroform	85	4.846	4.846	0.000	80	131203	25.0	23.8	
51 1,1,1-Trichloroethane	97	4.980	4.980	0.000	92	144877	25.0	22.6	
52 Cyclohexane	56	5.005	5.005	0.000	90	156661	25.0	17.2	
53 Carbon tetrachloride	117	5.127	5.127	0.000	82	113439	25.0	19.3	
54 1,1-Dichloropropene	75	5.133	5.133	0.000	94	140229	25.0	22.2	
55 Isobutyl alcohol	43	5.316	5.316	0.000	94	121200	625.0	436.8	
56 Benzene	78	5.334	5.334	0.000	97	469335	25.0	23.7	
57 1,2-Dichloroethane	62	5.383	5.383	0.000	90	186866	25.0	24.7	
59 n-Heptane	43	5.535	5.535	0.000	90	110935	25.0	16.8	
61 Trichloroethene	95	5.944	5.944	0.000	94	111567	25.0	22.8	
62 Methylcyclohexane	83	6.084	6.084	0.000	90	141861	25.0	17.3	M
63 1,2-Dichloropropane	63	6.175	6.175	0.000	91	118761	25.0	24.7	
65 Dibromomethane	93	6.303	6.303	0.000	88	71154	25.0	24.1	
66 1,4-Dioxane	88	6.322	6.322	0.000	89	14218	500.0	264.2	
67 Dichlorobromomethane	83	6.456	6.456	0.000	93	141582	25.0	23.0	
70 2-Chloroethyl vinyl ether	63	6.736	6.736	0.000	92	76418	25.0	22.8	
72 cis-1,3-Dichloropropene	75	6.876	6.876	0.000	89	186836	25.0	23.7	
73 4-Methyl-2-pentanone (MIBK)	43	7.017	7.017	0.000	96	613158	125.0	114.9	
74 Toluene	92	7.181	7.181	0.000	98	294492	25.0	22.8	
76 trans-1,3-Dichloropropene	75	7.437	7.437	0.000	91	162386	25.0	23.2	
78 Ethyl methacrylate	69	7.498	7.498	0.000	89	164567	25.0	23.4	
79 1,1,2-Trichloroethane	83	7.626	7.626	0.000	88	87244	25.0	24.7	
80 Tetrachloroethene	166	7.724	7.724	0.000	90	105552	25.0	22.6	
81 1,3-Dichloropropane	76	7.791	7.791	0.000	92	201445	25.0	24.9	
82 2-Hexanone	43	7.858	7.858	0.000	96	430985	125.0	113.2	
83 Chlorodibromomethane	129	8.029	8.029	0.000	88	88124	25.0	22.3	
84 Ethylene Dibromide	107	8.138	8.138	0.000	98	105501	25.0	24.6	
86 Chlorobenzene	112	8.626	8.626	0.000	92	328188	25.0	24.0	
88 1,1,1,2-Tetrachloroethane	131	8.717	8.717	0.000	85	96253	25.0	23.5	
89 Ethylbenzene	91	8.723	8.723	0.000	98	553184	25.0	23.0	
90 m-Xylene & p-Xylene	106	8.845	8.845	0.000	0	217230	25.0	23.1	
91 o-Xylene	106	9.272	9.272	0.000	97	213028	25.0	23.4	
92 Styrene	104	9.297	9.297	0.000	94	379161	25.0	24.2	
93 Bromoform	173	9.534	9.534	0.000	94	44701	25.0	18.2	
95 Isopropylbenzene	105	9.650	9.650	0.000	96	553829	25.0	22.3	
97 Bromobenzene	156	9.985	9.985	0.000	96	129261	25.0	23.4	
98 1,1,2,2-Tetrachloroethane	83	10.022	10.022	0.000	88	141528	25.0	23.5	
99 1,2,3-Trichloropropane	110	10.059	10.059	0.000	82	46878	25.0	23.1	
100 trans-1,4-Dichloro-2-buten	53	10.071	10.071	0.000	64	42621	25.0	22.0	
101 N-Propylbenzene	91	10.071	10.071	0.000	98	670247	25.0	22.6	
102 2-Chlorotoluene	126	10.174	10.174	0.000	95	127616	25.0	22.9	
104 1,3,5-Trimethylbenzene	105	10.248	10.248	0.000	94	498022	25.0	23.3	
105 4-Chlorotoluene	126	10.284	10.284	0.000	97	136069	25.0	23.5	
106 tert-Butylbenzene	134	10.565	10.565	0.000	92	101062	25.0	22.4	
107 1,2,4-Trimethylbenzene	105	10.619	10.619	0.000	97	529710	25.0	23.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.772	10.772	0.000	95	610547	25.0	23.0	
110 1,3-Dichlorobenzene	146	10.906	10.906	0.000	95	268283	25.0	24.2	
111 4-Isopropyltoluene	119	10.912	10.912	0.000	97	538542	25.0	23.6	
113 1,4-Dichlorobenzene	146	10.991	10.991	0.000	92	276880	25.0	24.1	
115 n-Butylbenzene	91	11.296	11.296	0.000	98	500622	25.0	23.8	
116 1,2-Dichlorobenzene	146	11.339	11.339	0.000	93	267837	25.0	24.6	
117 1,2-Dibromo-3-Chloropropan	75	12.058	12.058	0.000	69	23121	25.0	17.5	
119 1,2,4-Trichlorobenzene	180	12.747	12.747	0.000	92	203462	25.0	25.6	
120 Hexachlorobutadiene	225	12.863	12.863	0.000	94	84477	25.0	25.3	
121 Naphthalene	128	12.954	12.954	0.000	97	484252	25.0	20.9	
122 1,2,3-Trichlorobenzene	180	13.162	13.162	0.000	94	185117	25.0	24.1	
S 125 1,2-Dichloroethene, Total	1				0			46.3	
S 126 1,3-Dichloropropene, Total	1				0			47.0	
S 123 Total BTEX	1				0			116.1	
S 124 Xylenes, Total	1				0			46.5	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00015

Amount Added: 12.50

Units: uL

GAS CORP mix_00034

Amount Added: 12.50

Units: uL

G_8260_Surr_00070

Amount Added: 1.00

Units: uL

Run Reagent

G_8260_IS_00057

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G31949.D

Injection Date: 01-Jul-2014 11:23:30

Instrument ID: HP5973G

Operator ID: NQ

Lims ID: CCVIS

Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL

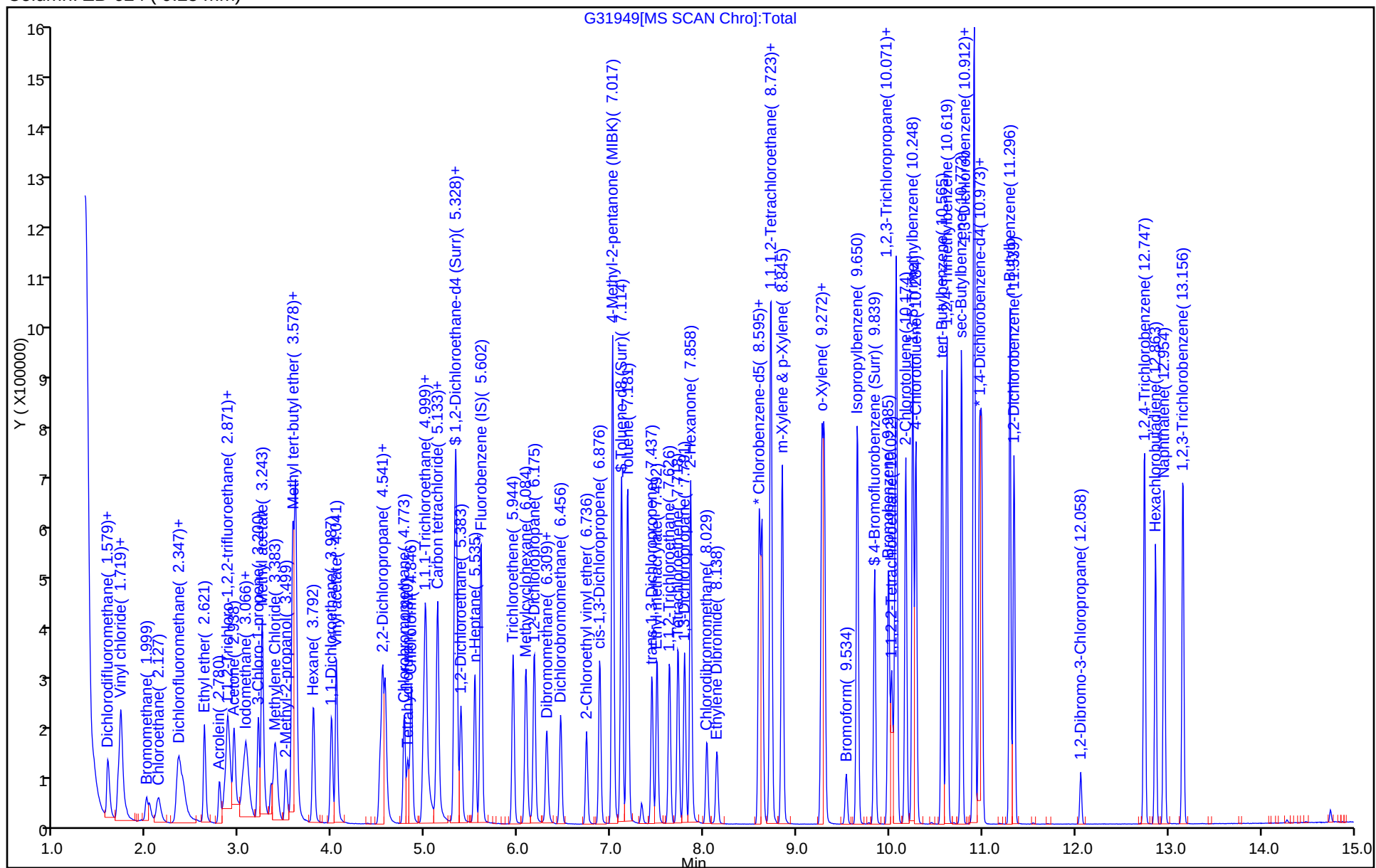
Dil. Factor: 1.0000

ALS Bottle#: 33

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G31949.D

Injection Date: 01-Jul-2014 11:23:30

Instrument ID: HP5973G

Lims ID: CCVIS

Client ID:

Operator ID: NQ

ALS Bottle#:

33

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: G-8260

Limit Group: MV - 8260C ICAL

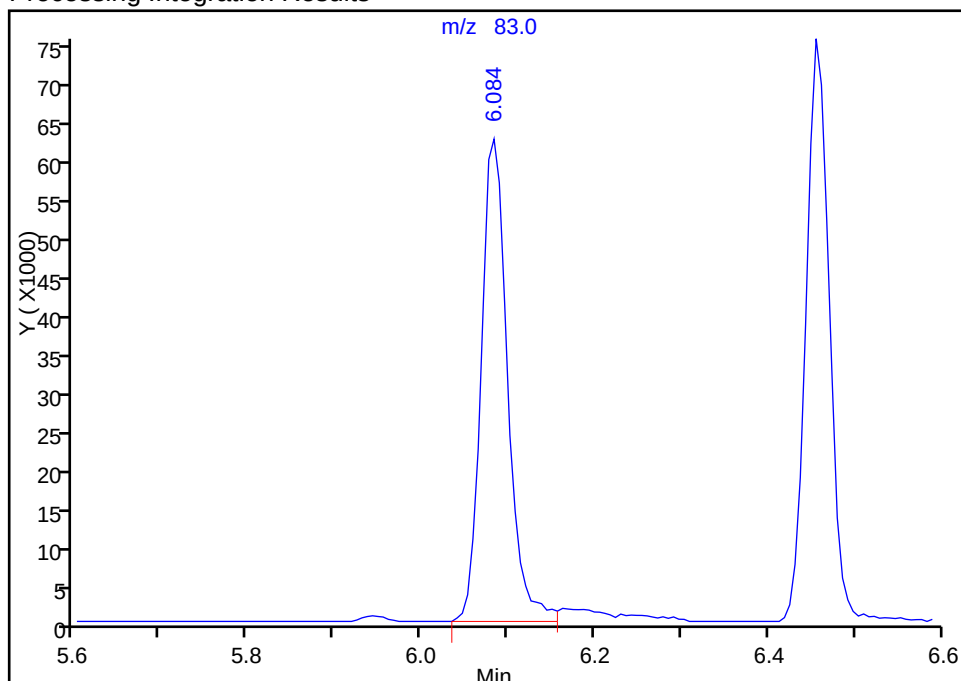
Column: ZB-624 (0.25 mm)

Detector: MS SCAN

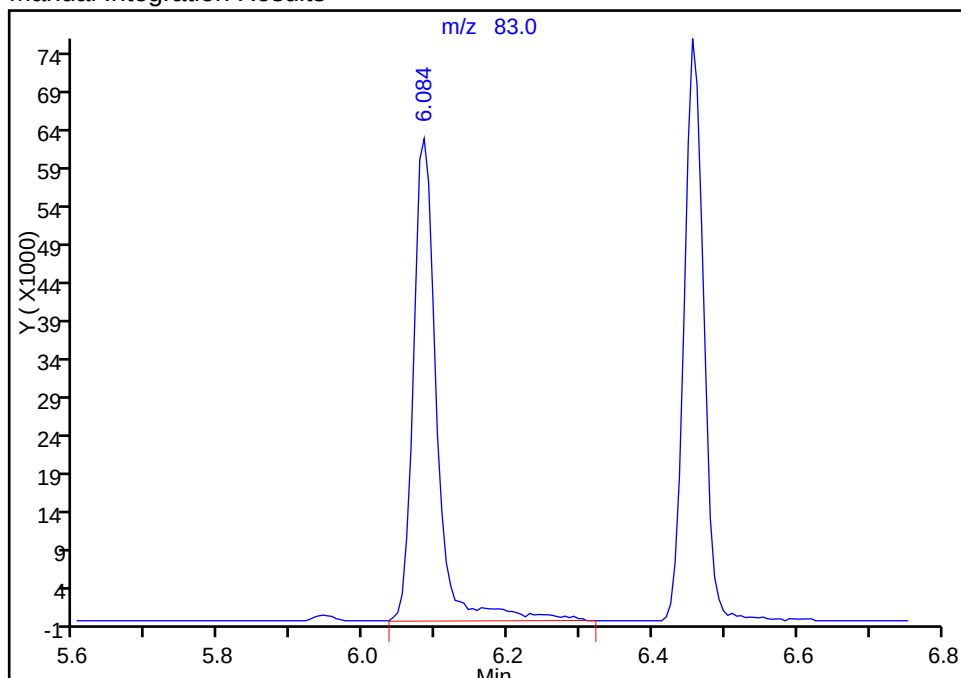
62 Methylcyclohexane, CAS: 108-87-2

RT: 6.08
Response: 133516
Amount: 16.306931

Processing Integration Results

RT: 6.08
Response: 141861
Amount: 17.326144

Manual Integration Results



Reviewer: nguyendudziaknq, 01-Jul-2014 11:46:44

Audit Action: Manually Integrated

Audit Reason: Peak Tail

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1

SDG No.: _____

Lab Sample ID: CCVIS 480-190934/3 Calibration Date: 07/02/2014 09:59

Instrument ID: HP5973G Calib Start Date: 06/10/2014 15:07

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 06/10/2014 17:24

Lab File ID: G31981.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	1.942	1.292	0.1000	16.6	25.0	-33.5*	20.0
Chloromethane	Ave	1.696	1.580	0.1000	23.3	25.0	-6.8	20.0
Vinyl chloride	Ave	1.594	1.521	0.1000	23.9	25.0	-4.6	20.0
Butadiene	Ave	1.410	1.244		22.1	25.0	-11.7	20.0
Bromomethane	Ave	0.4677	0.4304	0.1000	23.0	25.0	-8.0	20.0
Chloroethane	Ave	0.8493	0.8565	0.1000	25.2	25.0	0.8	20.0
Dichlorofluoromethane	Ave	1.486	1.749		29.4	25.0	17.7	20.0
Trichlorofluoromethane	Ave	1.691	1.672	0.1000	24.7	25.0	-1.1	20.0
Ethyl ether	Ave	1.050	1.107		26.4	25.0	5.4	20.0
Acrolein	Ave	0.1571	0.1642		131	125	4.5	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.259	1.167	0.1000	23.2	25.0	-7.3	20.0
1,1-Dichloroethene	Ave	1.457	1.456	0.1000	25.0	25.0	-0.0	20.0
Acetone	Ave	0.4460	0.4385	0.1000	123	125	-1.7	20.0
Iodomethane	Ave	1.672	1.650		24.7	25.0	-1.3	20.0
Carbon disulfide	Ave	4.059	3.894	0.1000	24.0	25.0	-4.1	20.0
Allyl chloride	Ave	2.017	1.902		23.6	25.0	-5.7	20.0
Methyl acetate	Ave	0.999	0.9825	0.1000	123	125	-1.7	20.0
Methylene Chloride	Linl		1.589	0.1000	25.9	25.0	3.6	20.0
2-Methyl-2-propanol	Ave	0.1759	0.1434		204	250	-18.5	20.0
Methyl tert-butyl ether	Ave	4.130	3.992	0.1000	24.2	25.0	-3.3	20.0
trans-1,2-Dichloroethene	Ave	1.230	1.230	0.1000	25.0	25.0	-0.0	20.0
Acrylonitrile	Ave	0.4963	0.4863		245	250	-2.0	20.0
Hexane	Ave	1.677	1.536		22.9	25.0	-8.4	20.0
1,1-Dichloroethane	Ave	2.156	2.159	0.2000	25.0	25.0	0.1	20.0
Vinyl acetate	Ave	2.472	2.240		45.3	50.0	-9.4	20.0
2,2-Dichloropropane	Ave	1.067	1.107		25.9	25.0	3.8	20.0
cis-1,2-Dichloroethene	Ave	1.268	1.278	0.1000	25.2	25.0	0.8	20.0
2-Butanone (MEK)	Ave	0.6239	0.6060	0.1000	121	125	-2.9	20.0
Chlorobromomethane	Ave	0.5844	0.5878		25.1	25.0	0.6	20.0
Tetrahydrofuran	Ave	0.4510	0.3995		44.3	50.0	-11.4	20.0
Chloroform	Ave	1.374	1.349	0.2000	24.5	25.0	-1.9	20.0
1,1,1-Trichloroethane	Ave	1.595	1.537	0.1000	24.1	25.0	-3.7	20.0
Cyclohexane	Ave	2.267	2.132	0.1000	23.5	25.0	-6.0	20.0
Carbon tetrachloride	Ave	1.466	1.377	0.1000	23.5	25.0	-6.0	20.0
1,1-Dichloropropene	Ave	1.574	1.602		25.5	25.0	1.8	20.0
Isobutyl alcohol	Ave	0.0691	0.0610		551	625	-11.8	20.0
Benzene	Ave	4.924	4.952	0.5000	25.1	25.0	0.6	20.0
1,2-Dichloroethane	Ave	1.881	1.829	0.1000	24.3	25.0	-2.8	20.0
n-Heptane	Ave	1.644	1.511		23.0	25.0	-8.1	20.0
Trichloroethene	Ave	1.218	1.198	0.2000	24.6	25.0	-1.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1

SDG No.: _____

Lab Sample ID: CCVIS 480-190934/3 Calibration Date: 07/02/2014 09:59

Instrument ID: HP5973G Calib Start Date: 06/10/2014 15:07

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 06/10/2014 17:24

Lab File ID: G31981.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
Methylcyclohexane	Ave	2.039	1.902	0.1000	23.3	25.0	-6.7	20.0
1,2-Dichloropropane	Ave	1.197	1.183	0.1000	24.7	25.0	-1.1	20.0
Dibromomethane	Ave	0.7353	0.6976	0.1000	23.7	25.0	-5.1	20.0
1,4-Dioxane	Ave	0.0064	0.0055		434	500	-13.2	20.0
Bromodichloromethane	Ave	1.531	1.438	0.2000	23.5	25.0	-6.1	20.0
2-Chloroethyl vinyl ether	Ave	0.8334	0.7530		22.6	25.0	-9.6	20.0
cis-1,3-Dichloropropene	Ave	1.962	1.858	0.2000	23.7	25.0	-5.3	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.6336	0.6049	0.1000	119	125	-4.5	20.0
Toluene	Ave	1.534	1.574	0.4000	25.7	25.0	2.6	20.0
trans-1,3-Dichloropropene	Ave	0.8296	0.8117	0.1000	24.5	25.0	-2.2	20.0
Ethyl methacrylate	Ave	0.8359	0.7971		23.8	25.0	-4.6	20.0
1,1,2-Trichloroethane	Ave	0.4200	0.4245	0.1000	25.3	25.0	1.1	20.0
Tetrachloroethene	Ave	0.5557	0.5875	0.2000	26.4	25.0	5.7	20.0
1,3-Dichloropropane	Ave	0.9623	0.9643		25.1	25.0	0.2	20.0
2-Hexanone	Ave	0.4521	0.4306	0.1000	119	125	-4.8	20.0
Dibromochloromethane	Ave	0.4688	0.4470	0.1000	23.8	25.0	-4.6	20.0
1,2-Dibromoethane	Ave	0.5085	0.5055		24.8	25.0	-0.6	20.0
Chlorobenzene	Ave	1.623	1.650	0.5000	25.4	25.0	1.6	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4873	0.4790		24.6	25.0	-1.7	20.0
Ethylbenzene	Ave	2.850	2.896	0.1000	25.4	25.0	1.6	20.0
m,p-Xylene	Ave	1.118	1.129	0.1000	25.2	25.0	0.9	20.0
o-Xylene	Ave	1.079	1.074	0.3000	24.9	25.0	-0.4	20.0
Styrene	Ave	1.862	1.870	0.3000	25.1	25.0	0.4	20.0
Bromoform	Lin		0.2303	0.1000	19.5	25.0	-22.0*	20.0
Isopropylbenzene	Ave	3.438	3.420	0.1000	24.9	25.0	-0.5	20.0
Bromobenzene	Ave	0.7628	0.7326		24.0	25.0	-4.0	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8322	0.8119	0.3000	24.4	25.0	-2.4	20.0
1,2,3-Trichloropropane	Ave	0.2804	0.2680		23.9	25.0	-4.4	20.0
N-Propylbenzene	Ave	4.096	4.114		25.1	25.0	0.4	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2681	0.2672		24.9	25.0	-0.3	20.0
2-Chlorotoluene	Ave	0.7707	0.7590		24.6	25.0	-1.5	20.0
1,3,5-Trimethylbenzene	Ave	2.958	2.978		25.2	25.0	0.7	20.0
4-Chlorotoluene	Ave	0.8011	0.8074		25.2	25.0	0.8	20.0
tert-Butylbenzene	Ave	0.6244	0.6198		24.8	25.0	-0.7	20.0
1,2,4-Trimethylbenzene	Ave	3.096	3.110		25.1	25.0	0.5	20.0
sec-Butylbenzene	Ave	3.674	3.773		25.7	25.0	2.7	20.0
1,3-Dichlorobenzene	Ave	1.529	1.552	0.6000	25.4	25.0	1.5	20.0
4-Isopropyltoluene	Ave	3.153	3.295		26.1	25.0	4.5	20.0
1,4-Dichlorobenzene	Ave	1.586	1.590	0.5000	25.1	25.0	0.3	20.0
n-Butylbenzene	Ave	2.902	3.073		26.5	25.0	5.9	20.0
1,2-Dichlorobenzene	Ave	1.508	1.524	0.4000	25.3	25.0	1.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-190934/3 Calibration Date: 07/02/2014 09:59
 Instrument ID: HP5973G Calib Start Date: 06/10/2014 15:07
 GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 06/10/2014 17:24
 Lab File ID: G31981.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-Dibromo-3-Chloropropane	Ave	0.1822	0.1419	0.0500	19.5	25.0	-22.1*	20.0
1,2,4-Trichlorobenzene	Ave	1.100	1.150	0.2000	26.1	25.0	4.5	20.0
Hexachlorobutadiene	Ave	0.4610	0.5178		28.1	25.0	12.3	20.0
Naphthalene	Ave	3.199	2.834		22.1	25.0	-11.4	20.0
1,2,3-Trichlorobenzene	Ave	1.061	1.055		24.9	25.0	-0.5	20.0
Dibromofluoromethane (Surr)	Ave	1.049	1.025		24.4	25.0	-2.2	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7699	0.7504		24.4	25.0	-2.5	20.0
Toluene-d8 (Surr)	Ave	2.267	2.174		24.0	25.0	-4.1	20.0
4-Bromofluorobenzene (Surr)	Ave	0.6098	0.6012		24.6	25.0	-1.4	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20140702-33478.b\G31981.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 02-Jul-2014 09:59:30 ALS Bottle#: 65 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCVIS
 Misc. Info.: 480-0033478-003 =480-0033478-003
 Operator ID: NQ Instrument ID: HP5973G
 Sublist: chrom-G-8260*sub20
 Method: \\Bufchrom\ChromData\HP5973G\20140702-33478.b\G-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 02-Jul-2014 15:10:04 Calib Date: 10-Jun-2014 21:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31265.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK027

First Level Reviewer: nguyendudziakng

Date: 02-Jul-2014 10:17:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.602	5.602	0.000	98	103040	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.595	8.595	0.000	88	209994	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.967	10.967	0.000	78	179405	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	5.005	5.005	0.000	79	105650	25.0	24.4	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.309	5.309	0.000	0	77319	25.0	24.4	
\$ 5 Toluene-d8 (Surr)	98	7.114	7.114	0.000	93	456582	25.0	24.0	
\$ 6 4-Bromofluorobenzene (Surr	174	9.839	9.839	0.000	83	126247	25.0	24.6	
10 Dichlorodifluoromethane	85	1.426	1.426	0.000	87	133120	25.0	16.6	
12 Chloromethane	50	1.578	1.578	0.000	89	162848	25.0	23.3	
13 Vinyl chloride	62	1.694	1.694	0.000	83	156758	25.0	23.9	
144 Butadiene	54	1.719	1.719	0.000	91	128192	25.0	22.1	
14 Bromomethane	94	1.993	1.993	0.000	89	44344	25.0	23.0	
15 Chloroethane	64	2.121	2.121	0.000	94	88258	25.0	25.2	
16 Dichlorofluoromethane	67	2.334	2.334	0.000	82	180177	25.0	29.4	
17 Trichlorofluoromethane	101	2.359	2.359	0.000	86	172313	25.0	24.7	
18 Ethyl ether	59	2.621	2.621	0.000	90	114051	25.0	26.4	
19 Acrolein	56	2.786	2.786	0.000	96	84613	125.0	130.7	
21 1,1,2-Trichloro-1,2,2-trif	101	2.865	2.865	0.000	50	120266	25.0	23.2	
20 1,1-Dichloroethene	96	2.871	2.871	0.000	88	150026	25.0	25.0	
22 Acetone	43	2.944	2.944	0.000	99	225911	125.0	122.9	
23 Iodomethane	142	3.035	3.035	0.000	98	170031	25.0	24.7	
24 Carbon disulfide	76	3.072	3.072	0.000	99	401208	25.0	24.0	
26 3-Chloro-1-propene	41	3.200	3.200	0.000	83	196032	25.0	23.6	
28 Methyl acetate	43	3.243	3.243	0.000	95	506189	125.0	122.9	
29 Methylene Chloride	84	3.383	3.383	0.000	85	163725	25.0	25.9	
30 2-Methyl-2-propanol	59	3.505	3.505	0.000	98	147773	250.0	203.8	
31 Methyl tert-butyl ether	73	3.572	3.572	0.000	87	411362	25.0	24.2	
32 trans-1,2-Dichloroethene	96	3.578	3.578	0.000	94	126717	25.0	25.0	
33 Acrylonitrile	53	3.602	3.602	0.000	98	501092	250.0	245.0	
34 Hexane	57	3.791	3.791	0.000	93	158259	25.0	22.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.993	3.993	0.000	85	222485	25.0	25.0	
38 Vinyl acetate	43	4.041	4.041	0.000	97	461605	50.0	45.3	
42 2,2-Dichloropropane	77	4.517	4.517	0.000	90	114106	25.0	25.9	
43 cis-1,2-Dichloroethene	96	4.541	4.541	0.000	70	131718	25.0	25.2	
44 2-Butanone (MEK)	43	4.572	4.572	0.000	100	312222	125.0	121.4	
48 Chlorobromomethane	128	4.773	4.773	0.000	95	60563	25.0	25.1	
49 Tetrahydrofuran	42	4.809	4.809	0.000	87	82327	50.0	44.3	
50 Chloroform	85	4.852	4.852	0.000	81	138971	25.0	24.5	
51 1,1,1-Trichloroethane	97	4.980	4.980	0.000	92	158360	25.0	24.1	
52 Cyclohexane	56	5.005	5.005	0.000	90	219685	25.0	23.5	
53 Carbon tetrachloride	117	5.127	5.127	0.000	75	141914	25.0	23.5	
54 1,1-Dichloropropene	75	5.133	5.133	0.000	95	165103	25.0	25.5	
55 Isobutyl alcohol	43	5.322	5.322	0.000	94	157057	625.0	551.4	
56 Benzene	78	5.334	5.334	0.000	97	510227	25.0	25.1	
57 1,2-Dichloroethane	62	5.383	5.383	0.000	90	188477	25.0	24.3	
59 n-Heptane	43	5.535	5.535	0.000	90	155657	25.0	23.0	
61 Trichloroethene	95	5.943	5.943	0.000	94	123477	25.0	24.6	
62 Methylcyclohexane	83	6.084	6.084	0.000	90	195958	25.0	23.3	
63 1,2-Dichloropropane	63	6.175	6.175	0.000	91	121905	25.0	24.7	
65 Dibromomethane	93	6.309	6.309	0.000	90	71879	25.0	23.7	
66 1,4-Dioxane	88	6.327	6.327	0.000	91	23286	500.0	433.9	
67 Dichlorobromomethane	83	6.456	6.456	0.000	93	148140	25.0	23.5	
70 2-Chloroethyl vinyl ether	63	6.736	6.736	0.000	93	77587	25.0	22.6	
72 cis-1,3-Dichloropropene	75	6.876	6.876	0.000	89	191414	25.0	23.7	
73 4-Methyl-2-pentanone (MIBK)	43	7.016	7.016	0.000	96	635085	125.0	119.3	
74 Toluene	92	7.181	7.181	0.000	99	330596	25.0	25.7	
76 trans-1,3-Dichloropropene	75	7.443	7.443	0.000	91	170454	25.0	24.5	
78 Ethyl methacrylate	69	7.492	7.492	0.000	89	167387	25.0	23.8	
79 1,1,2-Trichloroethane	83	7.626	7.626	0.000	88	89148	25.0	25.3	
80 Tetrachloroethene	166	7.724	7.724	0.000	90	123373	25.0	26.4	
81 1,3-Dichloropropane	76	7.791	7.791	0.000	92	202503	25.0	25.1	
82 2-Hexanone	43	7.858	7.858	0.000	96	452098	125.0	119.1	
83 Chlorodibromomethane	129	8.034	8.034	0.000	90	93870	25.0	23.8	
84 Ethylene Dibromide	107	8.138	8.138	0.000	98	106141	25.0	24.8	
86 Chlorobenzene	112	8.626	8.626	0.000	92	346423	25.0	25.4	
88 1,1,1,2-Tetrachloroethane	131	8.717	8.717	0.000	84	100595	25.0	24.6	
89 Ethylbenzene	91	8.723	8.723	0.000	99	608068	25.0	25.4	
90 m-Xylene & p-Xylene	106	8.845	8.845	0.000	0	237051	25.0	25.2	
91 o-Xylene	106	9.272	9.272	0.000	97	225534	25.0	24.9	
92 Styrene	104	9.296	9.296	0.000	95	392708	25.0	25.1	
93 Bromoform	173	9.534	9.534	0.000	94	48355	25.0	19.5	
95 Isopropylbenzene	105	9.650	9.650	0.000	96	613498	25.0	24.9	
97 Bromobenzene	156	9.991	9.991	0.000	97	131433	25.0	24.0	
98 1,1,2,2-Tetrachloroethane	83	10.022	10.022	0.000	88	145660	25.0	24.4	
99 1,2,3-Trichloropropane	110	10.058	10.058	0.000	83	48072	25.0	23.9	
100 trans-1,4-Dichloro-2-buten	53	10.071	10.071	0.000	73	47938	25.0	24.9	
101 N-Propylbenzene	91	10.071	10.071	0.000	98	738107	25.0	25.1	
102 2-Chlorotoluene	126	10.174	10.174	0.000	95	136161	25.0	24.6	
104 1,3,5-Trimethylbenzene	105	10.247	10.247	0.000	83	534328	25.0	25.2	
105 4-Chlorotoluene	126	10.284	10.284	0.000	97	144849	25.0	25.2	
106 tert-Butylbenzene	134	10.564	10.564	0.000	92	111198	25.0	24.8	
107 1,2,4-Trimethylbenzene	105	10.619	10.619	0.000	98	557962	25.0	25.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.772	10.772	0.000	95	676812	25.0	25.7	
110 1,3-Dichlorobenzene	146	10.906	10.906	0.000	94	278462	25.0	25.4	
111 4-Isopropyltoluene	119	10.912	10.912	0.000	96	591087	25.0	26.1	
113 1,4-Dichlorobenzene	146	10.991	10.991	0.000	93	285257	25.0	25.1	
115 n-Butylbenzene	91	11.296	11.296	0.000	98	551276	25.0	26.5	
116 1,2-Dichlorobenzene	146	11.339	11.339	0.000	94	273325	25.0	25.3	
117 1,2-Dibromo-3-Chloropropan	75	12.058	12.058	0.000	71	25460	25.0	19.5	
119 1,2,4-Trichlorobenzene	180	12.747	12.747	0.000	92	206331	25.0	26.1	
120 Hexachlorobutadiene	225	12.863	12.863	0.000	95	92902	25.0	28.1	
121 Naphthalene	128	12.954	12.954	0.000	98	508345	25.0	22.1	
122 1,2,3-Trichlorobenzene	180	13.162	13.162	0.000	94	189308	25.0	24.9	
S 125 1,2-Dichloroethene, Total	1				0			50.2	
S 126 1,3-Dichloropropene, Total	1				0			48.1	
S 123 Total BTEX	1				0			126.3	
S 124 Xylenes, Total	1				0			50.1	

Reagents:

8260 CORP mix_00015	Amount Added: 12.50	Units: uL	
GAS CORP mix_00034	Amount Added: 12.50	Units: uL	
G_8260_Surr_00070	Amount Added: 1.00	Units: uL	Run Reagent
G_8260_IS_00057	Amount Added: 1.00	Units: uL	Run Reagent

Data File: \\Bufchrom\\ChromData\\HP5973G\\20140702-33478.b\\G31981.D

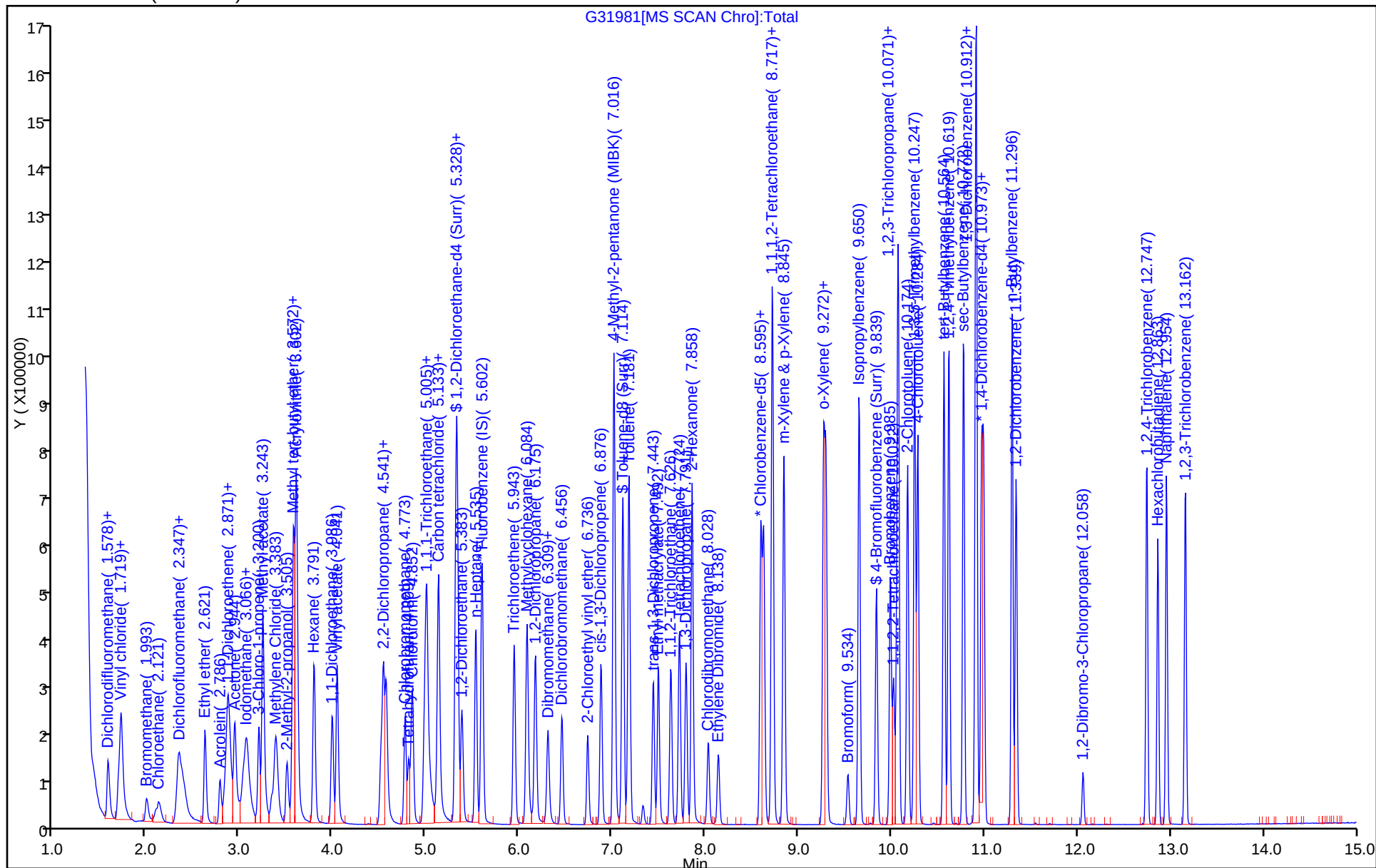
Operator ID: NQ

Worklist Smp#: 3

ALS Bottle#: 65

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31247.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 10-Jun-2014 14:12:30 ALS Bottle#: 31 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0032823-002 =480-0032823-002
Operator ID: RAS Instrument ID: HP5973G
Method: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 10-Jun-2014 14:28:08 Calib Date: 09-Jun-2014 23:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20140609-32776.b\G31234.D
Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK032

First Level Reviewer: sobolr

Date: 10-Jun-2014 14:28:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags

\$ 35 BFB	95	3.930	3.930	0.000	0	121899	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31247.D

Injection Date: 10-Jun-2014 14:12:30

Instrument ID: HP5973G

Lims ID: BFB

Client ID:

Operator ID: RAS

ALS Bottle#: 31 Worklist Smp#: 2

Purge Vol: 5.000 mL

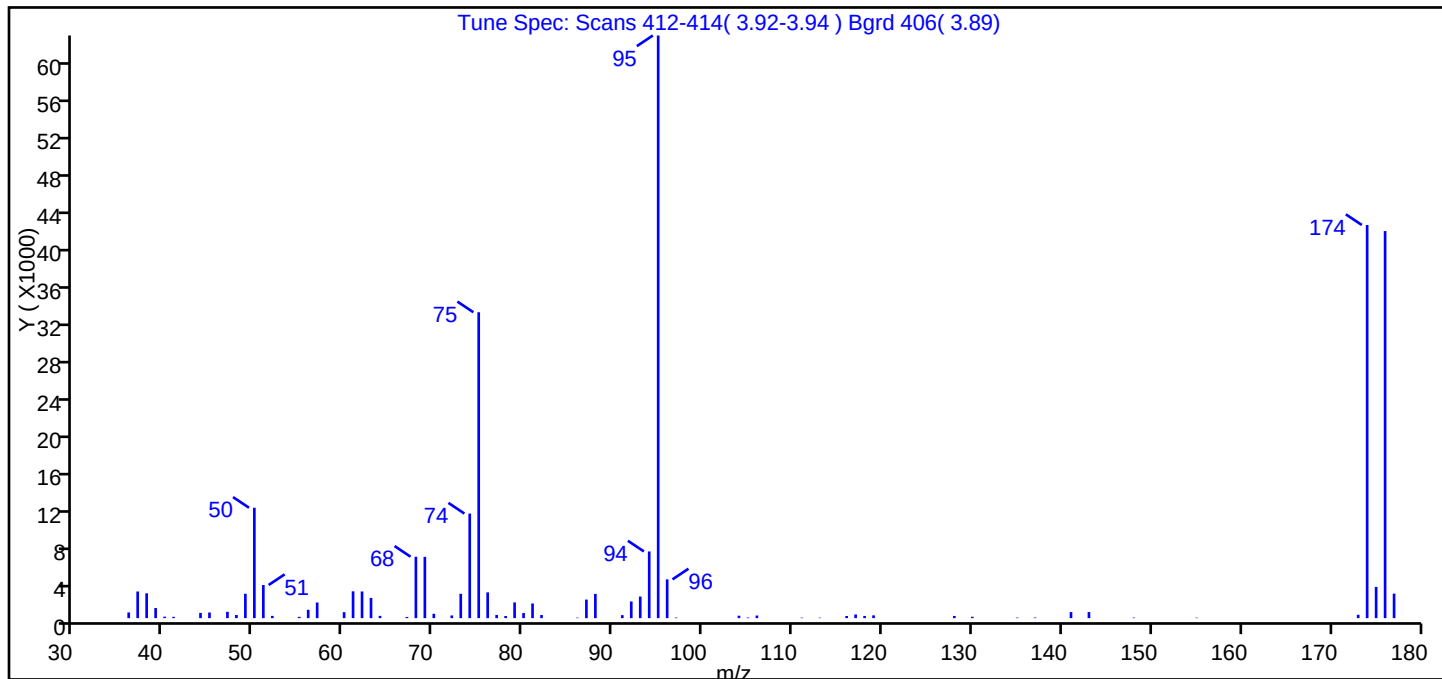
Dil. Factor: 1.0000

Method: G-8260

Limit Group: MV - 8260C ICAL

Tune Method: BFB Method 8260

\$ 35 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.90
75	30.00 - 60.00% of mass 95	52.50
96	5.00 - 9.00% of mass 95	6.70
173	Less than 2.00% of mass 174	0.60 (0.90)
174	50.00 - 120.00% of mass 95	67.50
175	5.00 - 9.00% of mass 174	5.40 (7.90)
176	95.00 - 101.00% of mass 174	66.40 (98.50)
177	5.00 - 9.00% of mass 176	4.20 (6.30)

Data File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31247.D\G-8260.rslt\spectra.d
Injection Date: 10-Jun-2014 14:12:30
Spectrum: Tune Spec: Scans 412-414(3.92-3.94) Bgrd 406(3.89)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 69

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	614	61.00	2896	82.00	337	118.00	235
37.00	2876	62.00	2878	86.00	54	119.00	302
38.00	2679	63.00	2182	87.00	2004	128.00	236
39.00	1090	64.00	246	88.00	2615	130.00	150
40.00	161	67.00	129	91.00	323	135.00	60
41.00	141	68.00	6627	92.00	1802	137.00	64
44.00	564	69.00	6617	93.00	2329	141.00	656
45.00	609	70.00	471	94.00	7196	143.00	656
47.00	685	72.00	291	95.00	62872	148.00	57
48.00	340	73.00	2627	96.00	4183	155.00	50
49.00	2631	74.00	11285	97.00	63	173.00	363
50.00	11911	75.00	33008	104.00	262	174.00	42424
51.00	3576	76.00	2780	105.00	65	175.00	3371
52.00	244	77.00	341	106.00	281	176.00	41768
55.00	140	78.00	230	111.00	53	177.00	2645
56.00	902	79.00	1697	113.00	51		
57.00	1687	80.00	553	116.00	230		
60.00	642	81.00	1583	117.00	393		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G31948.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 01-Jul-2014 10:57:30 ALS Bottle#: 32 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0033443-002 =480-0033443-002
Operator ID: NQ Instrument ID: HP5973G
Method: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 01-Jul-2014 11:08:21 Calib Date: 10-Jun-2014 21:12:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31265.D
Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK050

First Level Reviewer: nguyendudziaknq

Date: 01-Jul-2014 11:08:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags

\$ 35 BFB	95	3.936	3.936	0.000	0	187658	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_WRK_00034

Amount Added: 1.00

Units: uL

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G31948.D

Injection Date: 01-Jul-2014 10:57:30

Instrument ID: HP5973G

Lims ID: BFB

Client ID:

Operator ID: NQ

ALS Bottle#: 32 Worklist Smp#: 2

Injection Vol: 1.0 uL

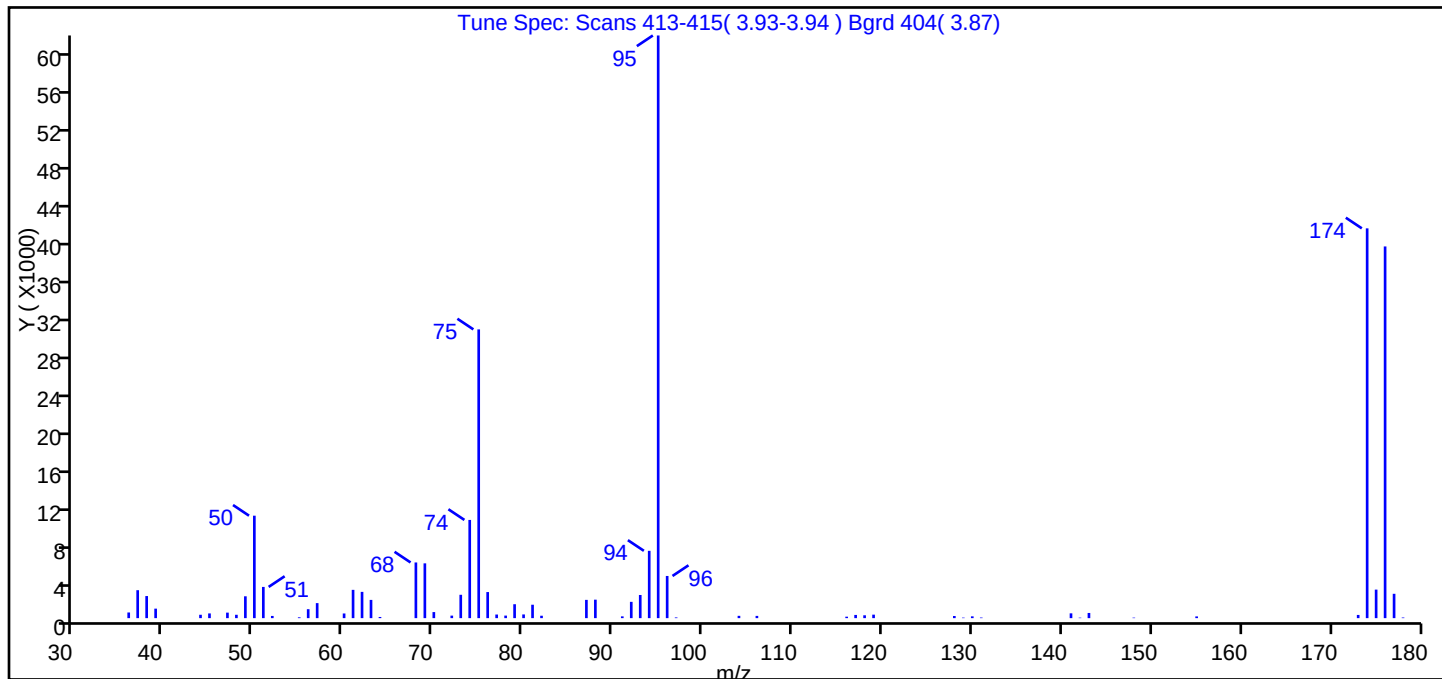
Dil. Factor: 1.0000

Method: G-8260

Limit Group: MV - 8260C ICAL

Tune Method: BFB Method 8260

\$ 35 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.60
75	30.00 - 60.00% of mass 95	49.60
96	5.00 - 9.00% of mass 95	7.20
173	Less than 2.00% of mass 174	0.50 (0.80)
174	50.00 - 120.00% of mass 95	66.90
175	5.00 - 9.00% of mass 174	4.90 (7.30)
176	95.00 - 101.00% of mass 174	63.80 (95.40)
177	5.00 - 9.00% of mass 176	4.20 (6.60)

Data File: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G31948.D\G-8260.rslt\spectra.d
Injection Date: 01-Jul-2014 10:57:30
Spectrum: Tune Spec: Scans 413-415(3.93-3.94) Bgrd 404(3.87)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 64

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	596	61.00	2977	81.00	1412	119.00	367
37.00	2941	62.00	2764	82.00	254	128.00	224
38.00	2325	63.00	1920	87.00	1922	129.00	54
39.00	1000	64.00	122	88.00	1944	130.00	189
44.00	356	68.00	5859	91.00	187	131.00	62
45.00	497	69.00	5766	92.00	1715	141.00	506
47.00	580	70.00	638	93.00	2436	142.00	50
48.00	354	72.00	266	94.00	7084	143.00	545
49.00	2299	73.00	2458	95.00	61312	148.00	53
50.00	10781	74.00	10335	96.00	4438	155.00	182
51.00	3285	75.00	30384	97.00	74	173.00	337
52.00	232	76.00	2745	104.00	243	174.00	41016
55.00	87	77.00	380	106.00	236	175.00	3002
56.00	942	78.00	269	116.00	154	176.00	39112
57.00	1581	79.00	1465	117.00	337	177.00	2562
60.00	491	80.00	390	118.00	301	178.00	66

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20140702-33478.b\G31980.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 02-Jul-2014 09:33:30 ALS Bottle#: 64 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0033478-002 =480-0033478-002
Operator ID: NQ Instrument ID: HP5973G
Method: \\Bufchrom\ChromData\HP5973G\20140702-33478.b\G-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 02-Jul-2014 15:09:42 Calib Date: 10-Jun-2014 21:12:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31265.D
Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: nguyendudziaknq

Date: 02-Jul-2014 15:09:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags

\$ 35 BFB	95	3.924	3.924	0.000	0	164980	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_WRK_00034

Amount Added: 1.00

Units: uL

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140702-33478.b\G31980.D

Injection Date: 02-Jul-2014 09:33:30

Instrument ID: HP5973G

Lims ID: BFB

Client ID:

Operator ID: NQ

ALS Bottle#: 64

Worklist Smp#: 2

Injection Vol: 1.0 uL

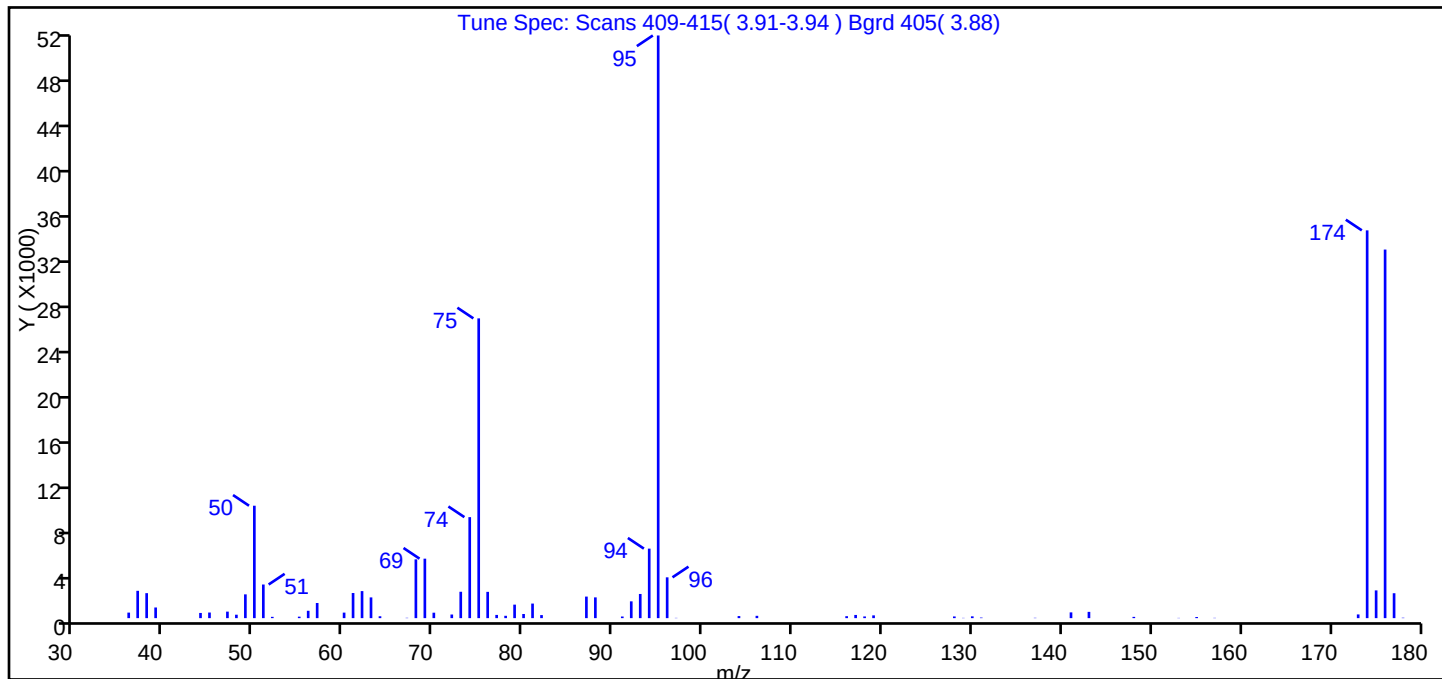
Dil. Factor: 1.0000

Method: G-8260

Limit Group: MV - 8260C ICAL

Tune Method: BFB Method 8260

\$ 35 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.30
75	30.00 - 60.00% of mass 95	51.40
96	5.00 - 9.00% of mass 95	7.00
173	Less than 2.00% of mass 174	0.60 (1.00)
174	50.00 - 120.00% of mass 95	66.60
175	5.00 - 9.00% of mass 174	4.80 (7.20)
176	95.00 - 101.00% of mass 174	63.30 (95.00)
177	5.00 - 9.00% of mass 176	4.30 (6.80)

Data File: \\Bufchrom\ChromData\HP5973G\20140702-33478.b\G31980.D\G-8260.rslt\spectra.d
Injection Date: 02-Jul-2014 09:33:30
Spectrum: Tune Spec: Scans 409-415(3.91-3.94) Bgrd 405(3.88)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 67

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	494	62.00	2411	82.00	273	129.00	23
37.00	2436	63.00	1849	87.00	1922	130.00	160
38.00	2228	64.00	168	88.00	1851	131.00	50
39.00	950	67.00	29	91.00	146	137.00	29
44.00	463	68.00	5241	92.00	1498	141.00	514
45.00	501	69.00	5303	93.00	2155	143.00	560
47.00	581	70.00	486	94.00	6198	148.00	113
48.00	306	72.00	324	95.00	51952	153.00	21
49.00	2121	73.00	2352	96.00	3639	155.00	99
50.00	10024	74.00	9006	97.00	23	157.00	25
51.00	2999	75.00	26728	104.00	185	173.00	331
52.00	116	76.00	2344	106.00	207	174.00	34576
55.00	132	77.00	287	116.00	175	175.00	2474
56.00	657	78.00	210	117.00	285	176.00	32864
57.00	1350	79.00	1204	118.00	151	177.00	2221
60.00	493	80.00	370	119.00	247	178.00	37
61.00	2240	81.00	1300	128.00	150		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-190745/8

Matrix: Water Lab File ID: G31954.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5(mL) Date Analyzed: 07/01/2014 13:32

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 190745 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
591-78-6	2-Hexanone	ND		5.0	1.2
78-93-3	2-Butanone (MEK)	ND		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-190745/8

Matrix: Water Lab File ID: G31954.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5(mL) Date Analyzed: 07/01/2014 13:32

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 190745 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		66-137
2037-26-5	Toluene-d8 (Surr)	94		71-126
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
1868-53-7	Dibromofluoromethane (Surr)	96		60-140

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 480-190745/8
Matrix: Water Lab File ID: G31954.D
Analysis Method: 8260C Date Collected: _____
Sample wt/vol: 5(mL) Date Analyzed: 07/01/2014 13:32
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 190745 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G31954.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 01-Jul-2014 13:32:30 ALS Bottle#: 38 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: MB
 Misc. Info.: 480-0033443-008 =480-0033443-008
 Operator ID: NQ Instrument ID: HP5973G
 Method: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 01-Jul-2014 14:09:33 Calib Date: 10-Jun-2014 21:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31265.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK050

First Level Reviewer: nguyendudziaknq

Date: 01-Jul-2014 14:09:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.602	5.602	0.000	98	95346	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.595	8.595	0.000	87	198272	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.973	10.967	0.006	97	164303	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	5.005	5.005	0.000	57	95893	25.0	24.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.316	5.316	0.000	0	73355	25.0	25.0	
\$ 5 Toluene-d8 (Surr)	98	7.114	7.114	0.000	93	423437	25.0	23.5	
\$ 6 4-Bromofluorobenzene (Surr	174	9.839	9.839	0.000	83	116395	25.0	24.1	
10 Dichlorodifluoromethane	85		1.432					ND	
11 Chlorodifluoromethane	51		1.463					ND	
12 Chloromethane	50		1.585					ND	
13 Vinyl chloride	62		1.700					ND	
144 Butadiene	54		1.725					ND	
14 Bromomethane	94		1.993					ND	
15 Chloroethane	64		2.133					ND	
16 Dichlorofluoromethane	67		2.341					ND	
17 Trichlorofluoromethane	101		2.365					ND	
141 Ethanol	45		2.609					ND	
18 Ethyl ether	59		2.627					ND	
68 Propene oxide	58		2.700					ND	
19 Acrolein	56		2.786					ND	
20 1,1-Dichloroethene	96		2.871					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.877					ND	
22 Acetone	43		2.944					ND	
23 Iodomethane	142		3.042					ND	
24 Carbon disulfide	76		3.078					ND	
25 Isopropyl alcohol	45		3.127					ND	
26 3-Chloro-1-propene	41		3.206					ND	
27 Acetonitrile	40		3.237					ND	
28 Methyl acetate	43		3.243					ND	
29 Methylene Chloride	84		3.383					ND	
30 2-Methyl-2-propanol	59		3.499					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
31 Methyl tert-butyl ether	73		3.572					ND	
32 trans-1,2-Dichloroethene	96		3.584					ND	
33 Acrylonitrile	53		3.609					ND	
34 Hexane	57		3.798					ND	
36 1,1-Dichloroethane	63		3.993					ND	
37 Isopropyl ether	45		4.023					ND	
38 Vinyl acetate	43		4.048					ND	
39 2-Chloro-1,3-butadiene	53		4.060					ND	
40 1,1-Dimethoxyethane	75		4.090					ND	
41 Tert-butyl ethyl ether	59		4.358					ND	
42 2,2-Dichloropropane	77		4.517					ND	
43 cis-1,2-Dichloroethene	96		4.541					ND	
44 2-Butanone (MEK)	43		4.572					ND	
45 Ethyl acetate	43		4.614					ND	
46 Propionitrile	54		4.657					ND	
47 Methacrylonitrile	41		4.773					ND	
48 Chlorobromomethane	128		4.779					ND	
49 Tetrahydrofuran	42		4.810					ND	
50 Chloroform	85		4.852					ND	
51 1,1,1-Trichloroethane	97		4.980					ND	
52 Cyclohexane	56		5.005					ND	
53 Carbon tetrachloride	117		5.127					ND	
54 1,1-Dichloropropene	75		5.139					ND	
55 Isobutyl alcohol	43		5.322					ND	
56 Benzene	78		5.334					ND	
146 Isooctane	57		5.364					ND	
140 t-Amyl alcohol	59		5.383					ND	
57 1,2-Dichloroethane	62		5.389					ND	
58 Tert-amyl methyl ether	73		5.419					ND	
59 n-Heptane	43		5.535					ND	
1 1,4-Difluorobenzene	114		5.706					ND	
60 n-Butanol	56		5.943					ND	
61 Trichloroethene	95		5.944					ND	
145 Ethyl acrylate	55		6.059					ND	
62 Methylcyclohexane	83		6.084					ND	
63 1,2-Dichloropropane	63		6.175					ND	
64 Methyl methacrylate	41		6.273					ND	
65 Dibromomethane	93		6.309					ND	
66 1,4-Dioxane	88		6.322					ND	
67 Dichlorobromomethane	83		6.462					ND	
69 2-Nitropropane	43		6.693					ND	
70 2-Chloroethyl vinyl ether	63		6.736					ND	
71 Epichlorohydrin	57		6.821					ND	
72 cis-1,3-Dichloropropene	75		6.882					ND	
73 4-Methyl-2-pentanone (MIBK)	43		7.017					ND	
74 Toluene	92		7.181					ND	
75 2-Methylthiophene	97		7.315					ND	
76 trans-1,3-Dichloropropene	75		7.443					ND	
77 3-Methylthiophene	97		7.480					ND	
78 Ethyl methacrylate	69		7.498					ND	
79 1,1,2-Trichloroethane	83		7.632					ND	
80 Tetrachloroethene	166		7.724					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
81 1,3-Dichloropropane	76		7.797					ND	
82 2-Hexanone	43		7.858					ND	
83 Chlorodibromomethane	129		8.035					ND	
84 Ethylene Dibromide	107		8.138					ND	
139 1-Chlorohexane	55		8.577					ND	
85 3-Chlorobenzotrifluoride	180		8.595					ND	
86 Chlorobenzene	112		8.626					ND	
87 4-Chlorobenzotrifluoride	180		8.656					ND	
88 1,1,1,2-Tetrachloroethane	131		8.717					ND	
89 Ethylbenzene	91		8.723					ND	
90 m-Xylene & p-Xylene	106		8.845					ND	
91 o-Xylene	106		9.272					ND	
92 Styrene	104		9.297					ND	
93 Bromoform	173		9.534					ND	
94 2-Chlorobenzotrifluoride	180		9.565					ND	
95 Isopropylbenzene	105		9.650					ND	
96 Cyclohexanone	55		9.802					ND	
97 Bromobenzene	156		9.992					ND	
98 1,1,2,2-Tetrachloroethane	83		10.022					ND	
99 1,2,3-Trichloropropane	110		10.059					ND	
100 trans-1,4-Dichloro-2-buten	53		10.071					ND	
101 N-Propylbenzene	91		10.077					ND	
102 2-Chlorotoluene	126		10.174					ND	
103 3-Chlorotoluene	126		10.235					ND	
104 1,3,5-Trimethylbenzene	105		10.248					ND	
105 4-Chlorotoluene	126		10.284					ND	
106 tert-Butylbenzene	134		10.571					ND	
108 Pentachloroethane	167		10.619					ND	
107 1,2,4-Trimethylbenzene	105		10.619					ND	
109 sec-Butylbenzene	105		10.772					ND	
110 1,3-Dichlorobenzene	146		10.906					ND	
111 4-Isopropyltoluene	119		10.912					ND	
112 Dicyclopentadiene	66		10.985					ND	
113 1,4-Dichlorobenzene	146		10.991					ND	
114 1,2,3-Trimethylbenzene	105		11.022					ND	
143 Benzyl chloride	126		11.131					ND	
115 n-Butylbenzene	91		11.296					ND	
116 1,2-Dichlorobenzene	146		11.339					ND	
117 1,2-Dibromo-3-Chloropropan	75		12.058					ND	
118 1,3,5-Trichlorobenzene	180		12.210					ND	
119 1,2,4-Trichlorobenzene	180		12.747					ND	
120 Hexachlorobutadiene	225		12.863					ND	
121 Naphthalene	128		12.954					ND	
122 1,2,3-Trichlorobenzene	180		13.162					ND	
142 2-Methylnaphthalene	142		13.869					ND	
135 Halothane	1		0.000					ND	
138 Pentachloroethane TIC	1		0.000					ND	
136 1-Bromopropane TIC	1		0.000					ND	
137 Ethylene oxide TIC	1		0.000					ND	
134 Propene oxide TIC	1		0.000					ND	
S 123 Total BTEX	1		30.000					0	
S 124 Xylenes, Total	1		30.000					0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
S 125 1,2-Dichloroethene, Total	1		30.000					0	
S 126 1,3-Dichloropropene, Total	1		30.000					0	
T 8 bis(2-chloromethyl)ether T	1		0.000					0	
T 129 tert-amyl alcohol TIC	1		0.000					0	
T 9 Ethylene oxide	1		0.000					0	
T 127 Ethanol TIC	45		0.000					0	
T 132 Bromoethane TIC	1		0.000					0	
T 128 Hexachloroethane TIC	1		0.000					0	
T 130 Aziridine TIC	1		0.000					0	
T 133 1-Bromopropane	1		0.000					0	
T 131 bis(chloromethyl)ether TIC	1		0.000					0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

G_8260_Surr_00070

Amount Added: 1.00

Units: uL

Run Reagent

G_8260_IS_00057

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G31954.D

Injection Date: 01-Jul-2014 13:32:30

Instrument ID: HP5973G

Operator ID: NQ

Lims ID: MB

Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL

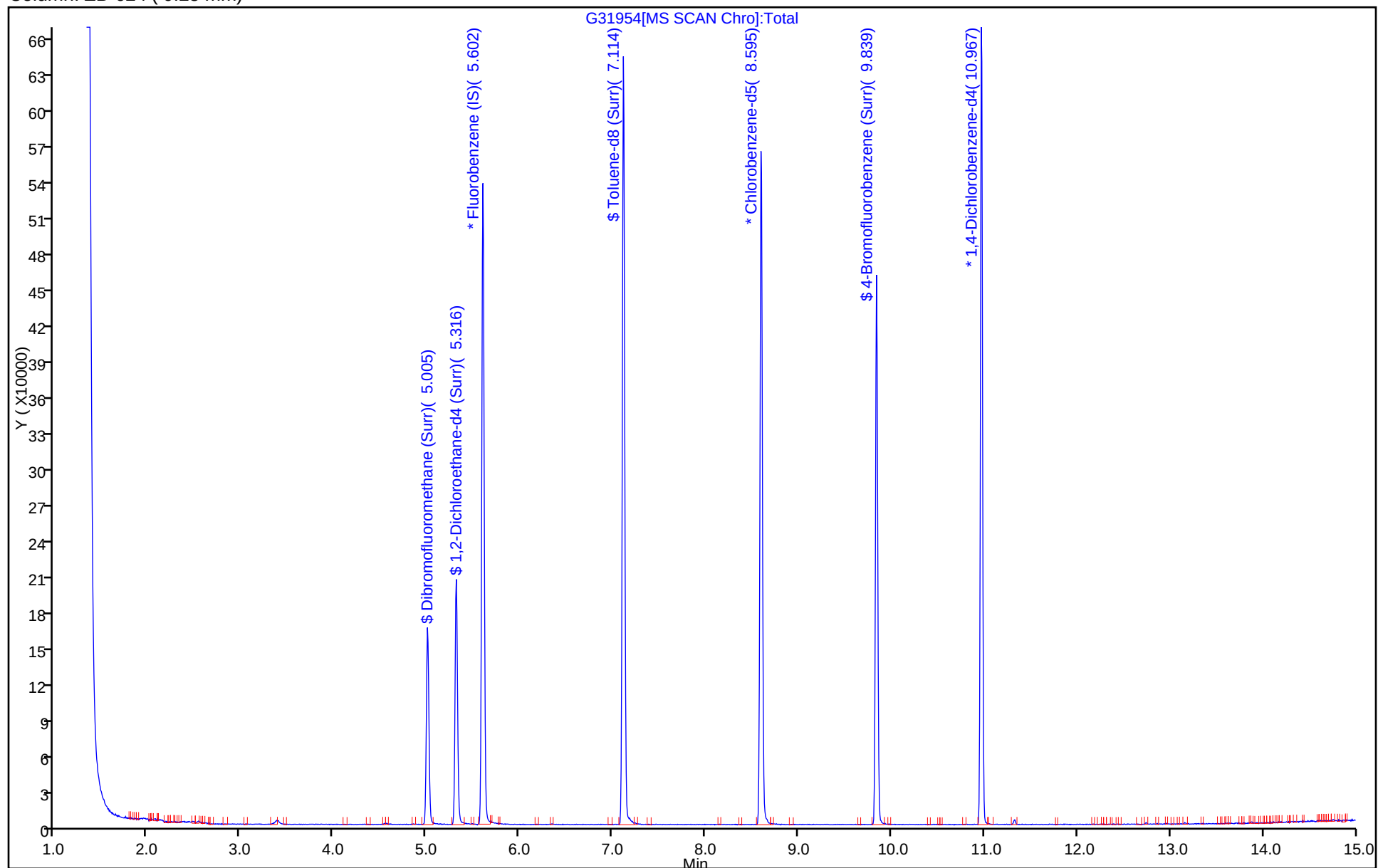
Dil. Factor: 1.0000

ALS Bottle#: 38

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-190934/8

Matrix: Water Lab File ID: G31986.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5(mL) Date Analyzed: 07/02/2014 12:03

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 190934 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
591-78-6	2-Hexanone	ND		5.0	1.2
78-93-3	2-Butanone (MEK)	ND		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-190934/8

Matrix: Water Lab File ID: G31986.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5(mL) Date Analyzed: 07/02/2014 12:03

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 190934 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		66-137
2037-26-5	Toluene-d8 (Surr)	97		71-126
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
1868-53-7	Dibromofluoromethane (Surr)	99		60-140

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 480-190934/8
Matrix: Water Lab File ID: G31986.D
Analysis Method: 8260C Date Collected: _____
Sample wt/vol: 5(mL) Date Analyzed: 07/02/2014 12:03
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 190934 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20140702-33478.b\G31986.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 02-Jul-2014 12:03:30 ALS Bottle#: 70 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: MB
 Misc. Info.: 480-0033478-008 =480-0033478-008
 Operator ID: NQ Instrument ID: HP5973G
 Method: \\Bufchrom\ChromData\HP5973G\20140702-33478.b\G-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 02-Jul-2014 15:11:39 Calib Date: 10-Jun-2014 21:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31265.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK027

First Level Reviewer: nguyendudziaknq

Date: 02-Jul-2014 15:11:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.602	5.602	0.000	98	94001	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.595	8.595	0.000	87	197182	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.973	10.967	0.006	97	166566	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	5.005	5.005	0.000	57	97447	25.0	24.7	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.316	5.309	0.007	0	72904	25.0	25.2	
\$ 5 Toluene-d8 (Surr)	98	7.114	7.114	0.000	93	434035	25.0	24.3	
\$ 6 4-Bromofluorobenzene (Surr	174	9.839	9.839	0.000	83	117763	25.0	24.5	
10 Dichlorodifluoromethane	85		1.426					ND	
11 Chlorodifluoromethane	51		1.463					ND	
12 Chloromethane	50		1.578					ND	
13 Vinyl chloride	62		1.700					ND	
144 Butadiene	54		1.719					ND	
14 Bromomethane	94		1.993					ND	
15 Chloroethane	64		2.121					ND	
16 Dichlorofluoromethane	67		2.340					ND	
17 Trichlorofluoromethane	101		2.353					ND	
141 Ethanol	45		2.609					ND	
18 Ethyl ether	59		2.621					ND	
68 Propene oxide	58		2.700					ND	
19 Acrolein	56		2.785					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.865					ND	
20 1,1-Dichloroethene	96		2.871					ND	
22 Acetone	43		2.938					ND	
23 Iodomethane	142		3.035					ND	
24 Carbon disulfide	76		3.072					ND	
25 Isopropyl alcohol	45		3.121					ND	
26 3-Chloro-1-propene	41		3.200					ND	
27 Acetonitrile	40		3.237					ND	
28 Methyl acetate	43		3.243					ND	
29 Methylene Chloride	84		3.377					ND	
30 2-Methyl-2-propanol	59		3.499					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
31 Methyl tert-butyl ether	73		3.566					ND	
32 trans-1,2-Dichloroethene	96		3.578					ND	
33 Acrylonitrile	53		3.602					ND	
34 Hexane	57		3.791					ND	
36 1,1-Dichloroethane	63		3.993					ND	
37 Isopropyl ether	45		4.023					ND	
38 Vinyl acetate	43		4.041					ND	
39 2-Chloro-1,3-butadiene	53		4.060					ND	
40 1,1-Dimethoxyethane	75		4.090					ND	
41 Tert-butyl ethyl ether	59		4.358					ND	
42 2,2-Dichloropropane	77		4.517					ND	
43 cis-1,2-Dichloroethene	96		4.541					ND	
44 2-Butanone (MEK)	43		4.572					ND	
45 Ethyl acetate	43		4.614					ND	
46 Propionitrile	54		4.657					ND	
47 Methacrylonitrile	41		4.773					ND	
48 Chlorobromomethane	128		4.773					ND	
49 Tetrahydrofuran	42		4.809					ND	
50 Chloroform	85		4.852					ND	
51 1,1,1-Trichloroethane	97		4.980					ND	
52 Cyclohexane	56		5.005					ND	
53 Carbon tetrachloride	117		5.126					ND	
54 1,1-Dichloropropene	75		5.133					ND	
55 Isobutyl alcohol	43		5.322					ND	
56 Benzene	78		5.334					ND	
146 Isooctane	57		5.358					ND	
57 1,2-Dichloroethane	62		5.383					ND	
140 t-Amyl alcohol	59		5.389					ND	
58 Tert-amyl methyl ether	73		5.419					ND	
59 n-Heptane	43		5.535					ND	
1 1,4-Difluorobenzene	114		5.706					ND	
60 n-Butanol	56		5.943					ND	
61 Trichloroethene	95		5.943					ND	
145 Ethyl acrylate	55		6.059					ND	
62 Methylcyclohexane	83		6.084					ND	
63 1,2-Dichloropropane	63		6.175					ND	
64 Methyl methacrylate	41		6.273					ND	
65 Dibromomethane	93		6.309					ND	
66 1,4-Dioxane	88		6.321					ND	
67 Dichlorobromomethane	83		6.462					ND	
69 2-Nitropropane	43		6.693					ND	
70 2-Chloroethyl vinyl ether	63		6.736					ND	
71 Epichlorohydrin	57		6.821					ND	
72 cis-1,3-Dichloropropene	75		6.882					ND	
73 4-Methyl-2-pentanone (MIBK)	43		7.016					ND	
74 Toluene	92		7.181					ND	
75 2-Methylthiophene	97		7.315					ND	
76 trans-1,3-Dichloropropene	75		7.443					ND	
77 3-Methylthiophene	97		7.480					ND	
78 Ethyl methacrylate	69		7.498					ND	
79 1,1,2-Trichloroethane	83		7.632					ND	
80 Tetrachloroethene	166		7.724					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
81 1,3-Dichloropropane	76		7.791					ND	
82 2-Hexanone	43		7.858					ND	
83 Chlorodibromomethane	129		8.034					ND	
84 Ethylene Dibromide	107		8.138					ND	
139 1-Chlorohexane	55		8.577					ND	
85 3-Chlorobenzotrifluoride	180		8.589					ND	
86 Chlorobenzene	112		8.626					ND	
87 4-Chlorobenzotrifluoride	180		8.656					ND	
88 1,1,1,2-Tetrachloroethane	131		8.717					ND	
89 Ethylbenzene	91		8.723					ND	
90 m-Xylene & p-Xylene	106		8.845					ND	
91 o-Xylene	106		9.272					ND	
92 Styrene	104		9.296					ND	
93 Bromoform	173		9.534					ND	
94 2-Chlorobenzotrifluoride	180		9.565					ND	
95 Isopropylbenzene	105		9.650					ND	
96 Cyclohexanone	55		9.796					ND	
97 Bromobenzene	156		9.991					ND	
98 1,1,2,2-Tetrachloroethane	83		10.022					ND	
99 1,2,3-Trichloropropane	110		10.058					ND	
100 trans-1,4-Dichloro-2-buten	53		10.071					ND	
101 N-Propylbenzene	91		10.071					ND	
102 2-Chlorotoluene	126		10.174					ND	
103 3-Chlorotoluene	126		10.235					ND	
104 1,3,5-Trimethylbenzene	105		10.247					ND	
105 4-Chlorotoluene	126		10.284					ND	
106 tert-Butylbenzene	134		10.564					ND	
108 Pentachloroethane	167		10.613					ND	
107 1,2,4-Trimethylbenzene	105		10.619					ND	
109 sec-Butylbenzene	105		10.778					ND	
110 1,3-Dichlorobenzene	146		10.906					ND	
111 4-Isopropyltoluene	119		10.912					ND	
112 Dicyclopentadiene	66		10.985					ND	
113 1,4-Dichlorobenzene	146		10.991					ND	
114 1,2,3-Trimethylbenzene	105		11.022					ND	
143 Benzyl chloride	126		11.131					ND	
115 n-Butylbenzene	91		11.296					ND	
116 1,2-Dichlorobenzene	146		11.339					ND	
117 1,2-Dibromo-3-Chloropropan	75		12.058					ND	
118 1,3,5-Trichlorobenzene	180		12.210					ND	
119 1,2,4-Trichlorobenzene	180		12.747					ND	
120 Hexachlorobutadiene	225		12.863					ND	
121 Naphthalene	128		12.954					ND	
122 1,2,3-Trichlorobenzene	180		13.162					ND	
142 2-Methylnaphthalene	142		13.869					ND	
135 Halothane	1		0.000					ND	
138 Pentachloroethane TIC	1		0.000					ND	
136 1-Bromopropane TIC	1		0.000					ND	
137 Ethylene oxide TIC	1		0.000					ND	
134 Propene oxide TIC	1		0.000					ND	
S 123 Total BTEX	1		30.000					0	
S 124 Xylenes, Total	1		30.000					0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
S 125 1,2-Dichloroethene, Total	1		30.000					0	
S 126 1,3-Dichloropropene, Total	1		30.000					0	
T 8 bis(2-chloromethyl)ether T	1		0.000					0	
T 129 tert-amyl alcohol TIC	1		0.000					0	
T 9 Ethylene oxide	1		0.000					0	
T 127 Ethanol TIC	45		0.000					0	
T 132 Bromoethane TIC	1		0.000					0	
T 128 Hexachloroethane TIC	1		0.000					0	
T 130 Aziridine TIC	1		0.000					0	
T 133 1-Bromopropane	1		0.000					0	
T 131 bis(chloromethyl)ether TIC	1		0.000					0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

G_8260_Surr_00070

Amount Added: 1.00

Units: uL

Run Reagent

G_8260_IS_00057

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140702-33478.b\G31986.D

Injection Date: 02-Jul-2014 12:03:30

Instrument ID: HP5973G

Operator ID: NQ

Lims ID: MB

Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL

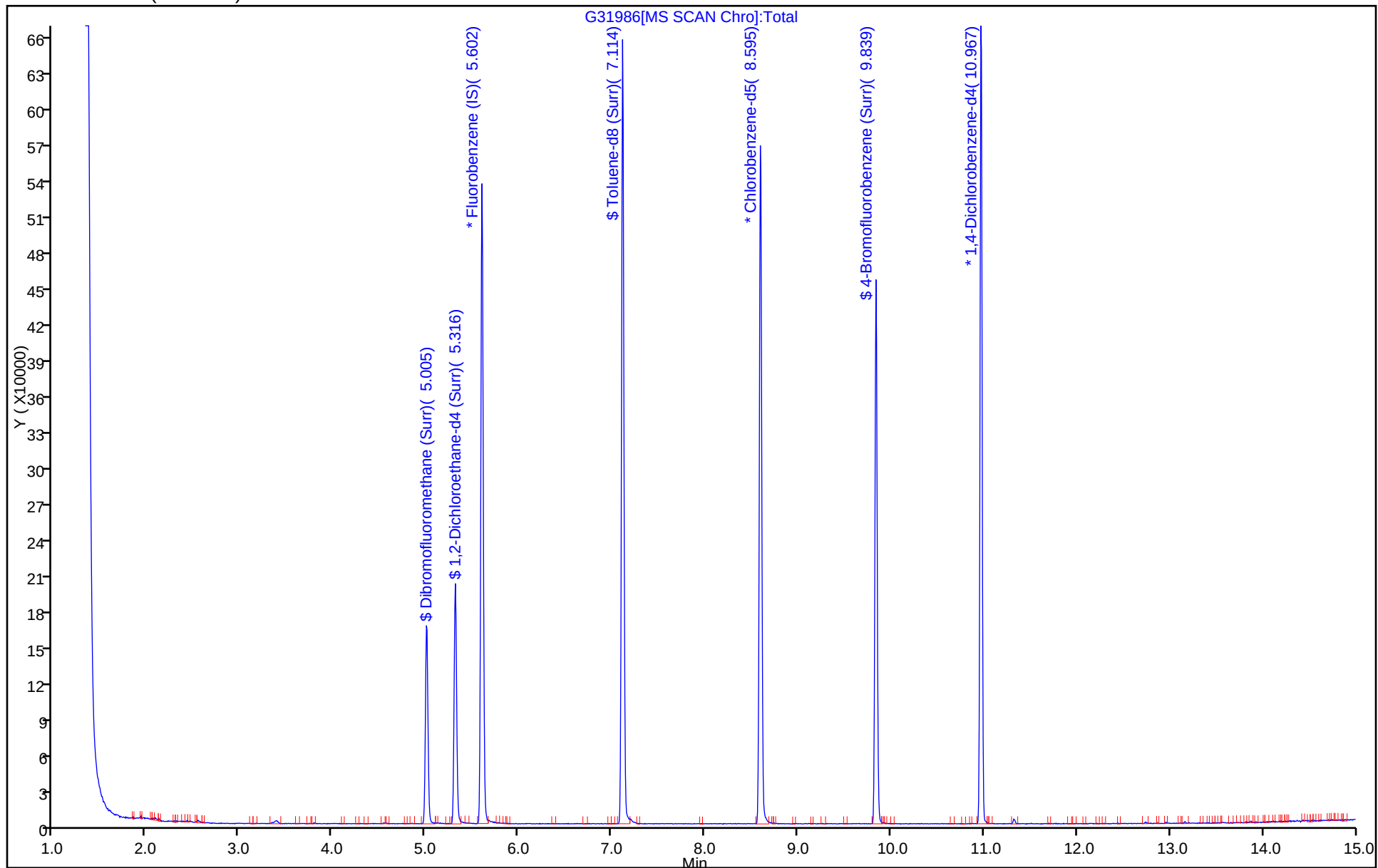
Dil. Factor: 1.0000

ALS Bottle#: 70

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 480-190745/6

Matrix: Water Lab File ID: G31952.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5(mL) Date Analyzed: 07/01/2014 12:46

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 190745 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	21.6		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	24.2		1.0	0.21
79-00-5	1,1,2-Trichloroethane	24.8		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	16.6		1.0	0.31
75-34-3	1,1-Dichloroethane	22.3		1.0	0.38
75-35-4	1,1-Dichloroethene	20.6		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	25.8		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	18.5		1.0	0.39
106-93-4	1,2-Dibromoethane	24.8		1.0	0.73
95-50-1	1,2-Dichlorobenzene	24.3		1.0	0.79
107-06-2	1,2-Dichloroethane	23.6		1.0	0.21
78-87-5	1,2-Dichloropropane	23.8		1.0	0.72
541-73-1	1,3-Dichlorobenzene	24.2		1.0	0.78
106-46-7	1,4-Dichlorobenzene	23.9		1.0	0.84
591-78-6	2-Hexanone	119		5.0	1.2
78-93-3	2-Butanone (MEK)	116		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	120		5.0	2.1
67-64-1	Acetone	112		10	3.0
71-43-2	Benzene	22.8		1.0	0.41
75-27-4	Bromodichloromethane	22.1		1.0	0.39
75-25-2	Bromoform	18.5		1.0	0.26
74-83-9	Bromomethane	31.3		1.0	0.69
75-15-0	Carbon disulfide	19.9		1.0	0.19
56-23-5	Carbon tetrachloride	18.6		1.0	0.27
108-90-7	Chlorobenzene	23.3		1.0	0.75
124-48-1	Dibromochloromethane	22.6		1.0	0.32
75-00-3	Chloroethane	24.6		1.0	0.32
67-66-3	Chloroform	22.6		1.0	0.34
74-87-3	Chloromethane	22.7		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	22.5		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	22.8		1.0	0.36
110-82-7	Cyclohexane	17.3		1.0	0.18
75-71-8	Dichlorodifluoromethane	17.1		1.0	0.68
100-41-4	Ethylbenzene	22.7		1.0	0.74
98-82-8	Isopropylbenzene	21.9		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-190745/6
 Matrix: Water Lab File ID: G31952.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 07/01/2014 12:46
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 190745 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	122		2.5	0.50
1634-04-4	Methyl tert-butyl ether	23.9		1.0	0.16
108-87-2	Methylcyclohexane	16.4		1.0	0.16
75-09-2	Methylene Chloride	24.8		1.0	0.44
100-42-5	Styrene	23.7		1.0	0.73
127-18-4	Tetrachloroethene	22.2		1.0	0.36
108-88-3	Toluene	22.3		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	21.7		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	23.3		1.0	0.37
79-01-6	Trichloroethene	21.4		1.0	0.46
75-69-4	Trichlorofluoromethane	22.4		1.0	0.88
75-01-4	Vinyl chloride	23.1		1.0	0.90
1330-20-7	Xylenes, Total	45.9		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		66-137
2037-26-5	Toluene-d8 (Surr)	96		71-126
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	95		60-140

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G31952.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 01-Jul-2014 12:46:30 ALS Bottle#: 36 Worklist Smp#: 6
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCS
 Misc. Info.: 480-0033443-006480-0033443-006
 Operator ID: NQ Instrument ID: HP5973G
 Method: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 01-Jul-2014 14:15:45 Calib Date: 10-Jun-2014 21:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31265.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK050

First Level Reviewer: nguyendudziakng

Date: 01-Jul-2014 14:15:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.602	5.602	0.000	98	100266	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.595	8.595	0.000	87	205954	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.967	10.967	0.000	78	175667	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	5.005	5.005	0.000	79	99921	25.0	23.8	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.316	5.316	0.000	0	76023	25.0	24.6	
\$ 5 Toluene-d8 (Surr)	98	7.114	7.114	0.000	93	449858	25.0	24.1	
\$ 6 4-Bromofluorobenzene (Surr	174	9.839	9.839	0.000	82	124416	25.0	24.8	
10 Dichlorodifluoromethane	85	1.432	1.432	0.000	87	133336	25.0	17.1	
12 Chloromethane	50	1.585	1.585	0.000	89	154523	25.0	22.7	
13 Vinyl chloride	62	1.700	1.700	0.000	83	147511	25.0	23.1	
144 Butadiene	54	1.725	1.725	0.000	91	121211	25.0	21.4	
14 Bromomethane	94	1.993	1.993	0.000	89	58659	25.0	31.3	
15 Chloroethane	64	2.133	2.133	0.000	95	83930	25.0	24.6	
16 Dichlorofluoromethane	67	2.341	2.341	0.000	82	155847	25.0	26.1	
17 Trichlorofluoromethane	101	2.365	2.365	0.000	86	151752	25.0	22.4	
18 Ethyl ether	59	2.627	2.627	0.000	92	109959	25.0	26.1	
19 Acrolein	56	2.786	2.786	0.000	94	78528	125.0	124.6	
20 1,1-Dichloroethene	96	2.871	2.871	0.000	87	120481	25.0	20.6	
21 1,1,2-Trichloro-1,2,2-trif	101	2.877	2.877	0.000	45	83764	25.0	16.6	
22 Acetone	43	2.944	2.944	0.000	99	200831	125.0	112.3	
23 Iodomethane	142	3.042	3.042	0.000	98	164595	25.0	24.5	
24 Carbon disulfide	76	3.078	3.078	0.000	99	323458	25.0	19.9	
26 3-Chloro-1-propene	41	3.206	3.206	0.000	83	169234	25.0	20.9	
28 Methyl acetate	43	3.243	3.243	0.000	96	489594	125.0	122.1	
29 Methylene Chloride	84	3.383	3.383	0.000	85	152612	25.0	24.8	
30 2-Methyl-2-propanol	59	3.499	3.499	0.000	98	119211	250.0	168.9	
31 Methyl tert-butyl ether	73	3.572	3.572	0.000	88	395441	25.0	23.9	
32 trans-1,2-Dichloroethene	96	3.584	3.584	0.000	94	107010	25.0	21.7	
33 Acrylonitrile	53	3.609	3.609	0.000	98	474159	250.0	238.2	
34 Hexane	57	3.798	3.798	0.000	93	108849	25.0	16.2	
36 1,1-Dichloroethane	63	3.993	3.993	0.000	86	193055	25.0	22.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 Vinyl acetate	43	4.048	4.048	0.000	97	439598	50.0	44.3	
42 2,2-Dichloropropane	77	4.517	4.517	0.000	90	100850	25.0	23.6	
43 cis-1,2-Dichloroethene	96	4.541	4.541	0.000	71	114550	25.0	22.5	
44 2-Butanone (MEK)	43	4.572	4.572	0.000	100	290433	125.0	116.1	
48 Chlorobromomethane	128	4.779	4.779	0.000	94	56381	25.0	24.1	
49 Tetrahydrofuran	42	4.810	4.810	0.000	91	78392	50.0	43.3	
50 Chloroform	85	4.852	4.852	0.000	81	124631	25.0	22.6	
51 1,1,1-Trichloroethane	97	4.980	4.980	0.000	92	138264	25.0	21.6	
52 Cyclohexane	56	5.005	5.005	0.000	85	157536	25.0	17.3	
53 Carbon tetrachloride	117	5.127	5.127	0.000	78	109531	25.0	18.6	
54 1,1-Dichloropropene	75	5.139	5.139	0.000	95	134708	25.0	21.3	
55 Isobutyl alcohol	43	5.322	5.322	0.000	90	123127	625.0	444.2	
56 Benzene	78	5.334	5.334	0.000	97	449680	25.0	22.8	
57 1,2-Dichloroethane	62	5.389	5.389	0.000	90	177738	25.0	23.6	
59 n-Heptane	43	5.535	5.535	0.000	91	106334	25.0	16.1	
61 Trichloroethene	95	5.944	5.944	0.000	94	104631	25.0	21.4	
62 Methylcyclohexane	83	6.084	6.084	0.000	90	133959	25.0	16.4	
63 1,2-Dichloropropane	63	6.175	6.175	0.000	91	114049	25.0	23.8	
65 Dibromomethane	93	6.309	6.309	0.000	89	69843	25.0	23.7	
66 1,4-Dioxane	88	6.322	6.322	0.000	90	12639	500.0	240.1	
67 Dichlorobromomethane	83	6.462	6.462	0.000	93	135634	25.0	22.1	
70 2-Chloroethyl vinyl ether	63	6.736	6.736	0.000	93	76647	25.0	22.9	
72 cis-1,3-Dichloropropene	75	6.882	6.882	0.000	89	179628	25.0	22.8	
73 4-Methyl-2-pentanone (MIBK)	43	7.017	7.017	0.000	96	625585	125.0	119.8	
74 Toluene	92	7.181	7.181	0.000	98	281321	25.0	22.3	
76 trans-1,3-Dichloropropene	75	7.443	7.443	0.000	91	159304	25.0	23.3	
78 Ethyl methacrylate	69	7.498	7.498	0.000	89	163809	25.0	23.8	
79 1,1,2-Trichloroethane	83	7.632	7.632	0.000	86	85808	25.0	24.8	
80 Tetrachloroethene	166	7.724	7.724	0.000	90	101809	25.0	22.2	
81 1,3-Dichloropropane	76	7.797	7.797	0.000	92	197401	25.0	24.9	
82 2-Hexanone	43	7.858	7.858	0.000	96	443459	125.0	119.1	
83 Chlorodibromomethane	129	8.035	8.035	0.000	88	87402	25.0	22.6	
84 Ethylene Dibromide	107	8.138	8.138	0.000	98	104030	25.0	24.8	
86 Chlorobenzene	112	8.626	8.626	0.000	92	311695	25.0	23.3	
88 1,1,1,2-Tetrachloroethane	131	8.717	8.717	0.000	86	93393	25.0	23.3	
89 Ethylbenzene	91	8.723	8.723	0.000	99	532431	25.0	22.7	
90 m-Xylene & p-Xylene	106	8.845	8.845	0.000	0	209789	25.0	22.8	
91 o-Xylene	106	9.272	9.272	0.000	97	205701	25.0	23.1	
92 Styrene	104	9.297	9.297	0.000	95	364318	25.0	23.7	
93 Bromoform	173	9.534	9.534	0.000	94	44546	25.0	18.5	
95 Isopropylbenzene	105	9.650	9.650	0.000	96	528082	25.0	21.9	
97 Bromobenzene	156	9.992	9.992	0.000	96	124295	25.0	23.2	
98 1,1,2,2-Tetrachloroethane	83	10.022	10.022	0.000	86	141296	25.0	24.2	
99 1,2,3-Trichloropropane	110	10.059	10.059	0.000	84	49056	25.0	24.9	
100 trans-1,4-Dichloro-2-buten	53	10.071	10.071	0.000	66	42965	25.0	22.8	
101 N-Propylbenzene	91	10.077	10.077	0.000	99	645948	25.0	22.4	
102 2-Chlorotoluene	126	10.174	10.174	0.000	94	120906	25.0	22.3	
104 1,3,5-Trimethylbenzene	105	10.248	10.248	0.000	94	478781	25.0	23.0	
105 4-Chlorotoluene	126	10.284	10.284	0.000	97	131720	25.0	23.4	
106 tert-Butylbenzene	134	10.571	10.571	0.000	91	97081	25.0	22.1	
107 1,2,4-Trimethylbenzene	105	10.619	10.619	0.000	97	504495	25.0	23.2	
109 sec-Butylbenzene	105	10.772	10.772	0.000	95	593425	25.0	23.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
110 1,3-Dichlorobenzene	146	10.906	10.906	0.000	95	260161	25.0	24.2	
111 4-Isopropyltoluene	119	10.912	10.912	0.000	94	518888	25.0	23.4	
113 1,4-Dichlorobenzene	146	10.991	10.991	0.000	92	266206	25.0	23.9	
115 n-Butylbenzene	91	11.296	11.296	0.000	98	480736	25.0	23.6	
116 1,2-Dichlorobenzene	146	11.339	11.339	0.000	93	257822	25.0	24.3	
117 1,2-Dibromo-3-Chloropropan	75	12.058	12.058	0.000	70	23724	25.0	18.5	
119 1,2,4-Trichlorobenzene	180	12.747	12.747	0.000	92	199205	25.0	25.8	
120 Hexachlorobutadiene	225	12.863	12.863	0.000	95	81395	25.0	25.1	
121 Naphthalene	128	12.954	12.954	0.000	97	497396	25.0	22.1	
122 1,2,3-Trichlorobenzene	180	13.162	13.162	0.000	94	183204	25.0	24.6	
S 125 1,2-Dichloroethene, Total	1				0			44.2	
S 126 1,3-Dichloropropene, Total	1				0			46.1	
S 123 Total BTEX	1				0			113.6	
S 124 Xylenes, Total	1				0			45.9	

Reagents:

8260 CORP mix_00015

Amount Added: 12.50

Units: uL

GAS CORP mix_00034

Amount Added: 12.50

Units: uL

G_8260_Surr_00070

Amount Added: 1.00

Units: uL

Run Reagent

G_8260_IS_00057

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140701-33443.b\G31952.D

Injection Date: 01-Jul-2014 12:46:30

Instrument ID: HP5973G

Lims ID: LCS

Operator ID: NQ

Client ID:

Worklist Smp#: 6

Purge Vol: 5.000 mL

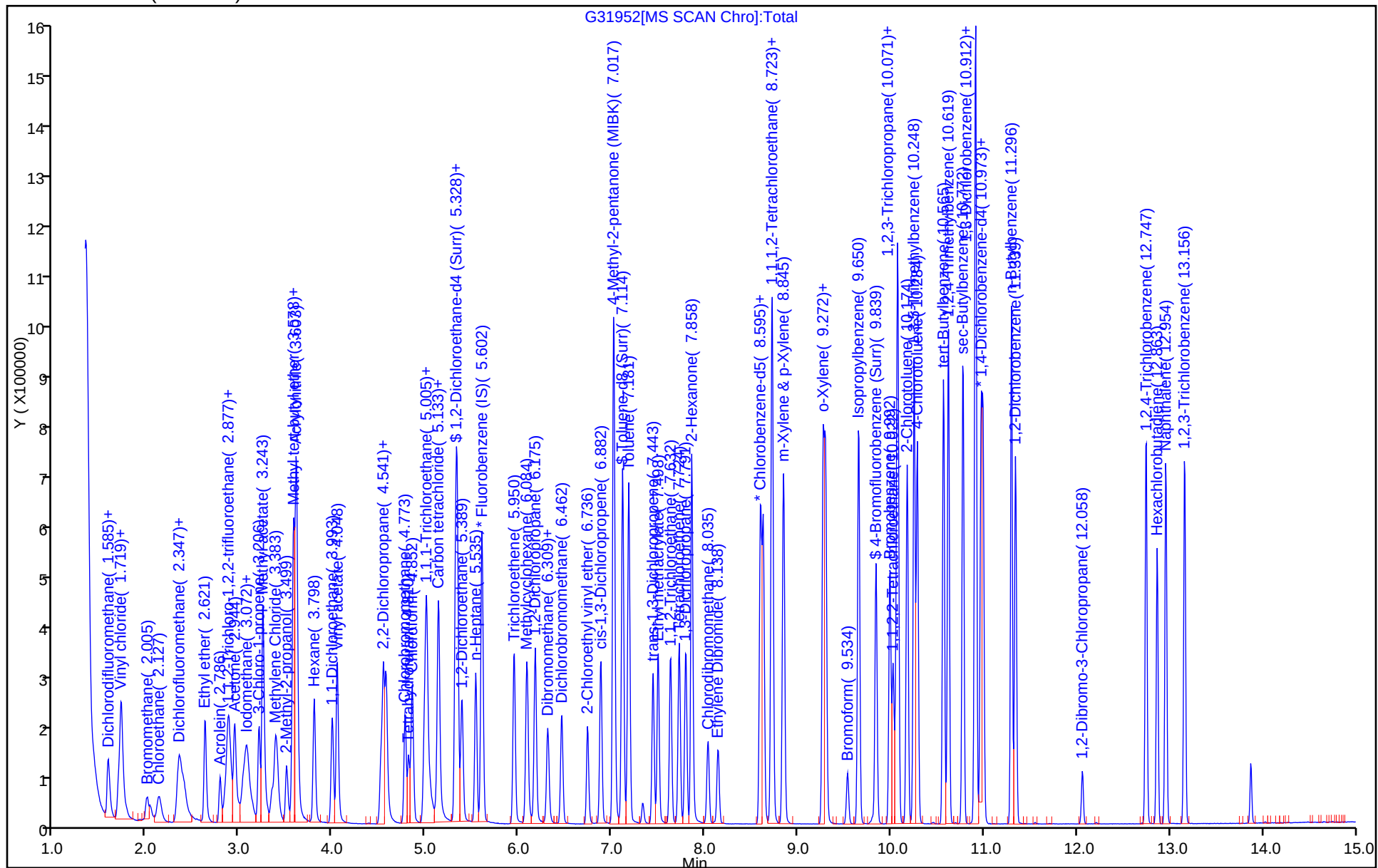
Dil. Factor: 1.0000

ALS Bottle#: 36

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 480-190934/6

Matrix: Water Lab File ID: G31984.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5(mL) Date Analyzed: 07/02/2014 11:18

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 190934 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	25.1		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	22.9		1.0	0.21
79-00-5	1,1,2-Trichloroethane	24.6		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	20.5		1.0	0.31
75-34-3	1,1-Dichloroethane	24.4		1.0	0.38
75-35-4	1,1-Dichloroethene	23.3		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	25.7		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	18.1		1.0	0.39
106-93-4	1,2-Dibromoethane	24.2		1.0	0.73
95-50-1	1,2-Dichlorobenzene	24.1		1.0	0.79
107-06-2	1,2-Dichloroethane	24.0		1.0	0.21
78-87-5	1,2-Dichloropropane	24.8		1.0	0.72
541-73-1	1,3-Dichlorobenzene	24.3		1.0	0.78
106-46-7	1,4-Dichlorobenzene	24.0		1.0	0.84
591-78-6	2-Hexanone	114		5.0	1.2
78-93-3	2-Butanone (MEK)	114		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	115		5.0	2.1
67-64-1	Acetone	110		10	3.0
71-43-2	Benzene	24.6		1.0	0.41
75-27-4	Bromodichloromethane	23.0		1.0	0.39
75-25-2	Bromoform	18.5		1.0	0.26
74-83-9	Bromomethane	26.7		1.0	0.69
75-15-0	Carbon disulfide	22.5		1.0	0.19
56-23-5	Carbon tetrachloride	21.5		1.0	0.27
108-90-7	Chlorobenzene	24.5		1.0	0.75
124-48-1	Dibromochloromethane	22.8		1.0	0.32
75-00-3	Chloroethane	24.5		1.0	0.32
67-66-3	Chloroform	23.8		1.0	0.34
74-87-3	Chloromethane	21.2		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	24.1		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	23.7		1.0	0.36
110-82-7	Cyclohexane	22.1		1.0	0.18
75-71-8	Dichlorodifluoromethane	15.5		1.0	0.68
100-41-4	Ethylbenzene	24.8		1.0	0.74
98-82-8	Isopropylbenzene	23.3		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-190934/6
 Matrix: Water Lab File ID: G31984.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 07/02/2014 11:18
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 190934 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	119		2.5	0.50
1634-04-4	Methyl tert-butyl ether	23.4		1.0	0.16
108-87-2	Methylcyclohexane	22.0		1.0	0.16
75-09-2	Methylene Chloride	24.3		1.0	0.44
100-42-5	Styrene	24.7		1.0	0.73
127-18-4	Tetrachloroethene	25.0		1.0	0.36
108-88-3	Toluene	24.1		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	23.9		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	23.6		1.0	0.37
79-01-6	Trichloroethene	24.0		1.0	0.46
75-69-4	Trichlorofluoromethane	22.7		1.0	0.88
75-01-4	Vinyl chloride	22.7		1.0	0.90
1330-20-7	Xylenes, Total	48.4		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		66-137
2037-26-5	Toluene-d8 (Surr)	97		71-126
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
1868-53-7	Dibromofluoromethane (Surr)	98		60-140

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20140702-33478.b\G31984.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 02-Jul-2014 11:18:30 ALS Bottle#: 68 Worklist Smp#: 6
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCS
 Misc. Info.: 480-0033478-006 =480-0033478-006
 Operator ID: NQ Instrument ID: HP5973G
 Method: \\Bufchrom\ChromData\HP5973G\20140702-33478.b\G-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 02-Jul-2014 15:11:04 Calib Date: 10-Jun-2014 21:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31265.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK027

First Level Reviewer: nguyendudziakng

Date: 02-Jul-2014 15:11:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.602	5.602	0.000	98	101553	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.595	8.595	0.000	87	208788	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.967	10.967	0.000	77	183010	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	5.005	5.005	0.000	78	104036	25.0	24.4	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.309	5.309	0.000	0	75408	25.0	24.1	
\$ 5 Toluene-d8 (Surr)	98	7.114	7.114	0.000	93	459318	25.0	24.3	
\$ 6 4-Bromofluorobenzene (Surr	174	9.839	9.839	0.000	83	127649	25.0	25.1	
10 Dichlorodifluoromethane	85	1.426	1.426	0.000	87	122207	25.0	15.5	
12 Chloromethane	50	1.578	1.578	0.000	89	145938	25.0	21.2	
13 Vinyl chloride	62	1.700	1.700	0.000	84	147213	25.0	22.7	
144 Butadiene	54	1.719	1.719	0.000	93	123331	25.0	21.5	
14 Bromomethane	94	1.993	1.993	0.000	90	50742	25.0	26.7	
15 Chloroethane	64	2.121	2.121	0.000	94	84523	25.0	24.5	
16 Dichlorofluoromethane	67	2.340	2.340	0.000	82	158245	25.0	26.2	
17 Trichlorofluoromethane	101	2.353	2.353	0.000	83	156014	25.0	22.7	
18 Ethyl ether	59	2.621	2.621	0.000	92	111112	25.0	26.1	
19 Acrolein	56	2.785	2.785	0.000	93	77117	125.0	120.8	
21 1,1,2-Trichloro-1,2,2-trif	101	2.865	2.865	0.000	49	104961	25.0	20.5	
20 1,1-Dichloroethene	96	2.871	2.871	0.000	88	137748	25.0	23.3	
22 Acetone	43	2.938	2.938	0.000	99	199371	125.0	110.1	
23 Iodomethane	142	3.035	3.035	0.000	98	179828	25.0	26.5	
24 Carbon disulfide	76	3.072	3.072	0.000	99	371709	25.0	22.5	
26 3-Chloro-1-propene	41	3.200	3.200	0.000	84	188186	25.0	23.0	
28 Methyl acetate	43	3.243	3.243	0.000	96	484372	125.0	119.3	
29 Methylene Chloride	84	3.377	3.377	0.000	88	151824	25.0	24.3	
30 2-Methyl-2-propanol	59	3.499	3.499	0.000	98	128084	250.0	179.2	
31 Methyl tert-butyl ether	73	3.566	3.566	0.000	87	393057	25.0	23.4	
32 trans-1,2-Dichloroethene	96	3.578	3.578	0.000	93	119595	25.0	23.9	
33 Acrylonitrile	53	3.602	3.602	0.000	97	457774	250.0	227.1	
34 Hexane	57	3.791	3.791	0.000	93	144722	25.0	21.2	
36 1,1-Dichloroethane	63	3.993	3.993	0.000	85	213681	25.0	24.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 Vinyl acetate	43	4.041	4.041	0.000	97	435477	50.0	43.4	
42 2,2-Dichloropropane	77	4.517	4.517	0.000	90	114999	25.0	26.5	
43 cis-1,2-Dichloroethene	96	4.541	4.541	0.000	70	124225	25.0	24.1	
44 2-Butanone (MEK)	43	4.572	4.572	0.000	100	288801	125.0	113.9	
48 Chlorobromomethane	128	4.773	4.773	0.000	95	56516	25.0	23.8	
49 Tetrahydrofuran	42	4.809	4.809	0.000	87	75720	50.0	41.3	
50 Chloroform	85	4.852	4.852	0.000	81	132734	25.0	23.8	
51 1,1,1-Trichloroethane	97	4.980	4.980	0.000	92	162453	25.0	25.1	
52 Cyclohexane	56	5.005	5.005	0.000	90	203401	25.0	22.1	
53 Carbon tetrachloride	117	5.126	5.126	0.000	78	128011	25.0	21.5	
54 1,1-Dichloropropene	75	5.133	5.133	0.000	95	155374	25.0	24.3	
55 Isobutyl alcohol	43	5.322	5.322	0.000	89	134916	625.0	480.6	
56 Benzene	78	5.334	5.334	0.000	97	491840	25.0	24.6	
57 1,2-Dichloroethane	62	5.383	5.383	0.000	82	183758	25.0	24.0	
59 n-Heptane	43	5.535	5.535	0.000	91	145286	25.0	21.8	
61 Trichloroethene	95	5.943	5.943	0.000	94	118954	25.0	24.0	
62 Methylcyclohexane	83	6.084	6.084	0.000	90	182515	25.0	22.0	
63 1,2-Dichloropropane	63	6.175	6.175	0.000	90	120443	25.0	24.8	
65 Dibromomethane	93	6.309	6.309	0.000	90	69377	25.0	23.2	
66 1,4-Dioxane	88	6.321	6.321	0.000	93	18904	500.0	354.3	
67 Dichlorobromomethane	83	6.462	6.462	0.000	93	142789	25.0	23.0	
70 2-Chloroethyl vinyl ether	63	6.736	6.736	0.000	92	77310	25.0	22.8	
72 cis-1,3-Dichloropropene	75	6.882	6.882	0.000	89	188956	25.0	23.7	
73 4-Methyl-2-pentanone (MIBK)	43	7.016	7.016	0.000	96	607672	125.0	114.8	
74 Toluene	92	7.181	7.181	0.000	98	308114	25.0	24.1	
76 trans-1,3-Dichloropropene	75	7.443	7.443	0.000	91	163681	25.0	23.6	
78 Ethyl methacrylate	69	7.498	7.498	0.000	89	162946	25.0	23.3	
79 1,1,2-Trichloroethane	83	7.632	7.632	0.000	87	86463	25.0	24.6	
80 Tetrachloroethene	166	7.724	7.724	0.000	89	116197	25.0	25.0	
81 1,3-Dichloropropane	76	7.791	7.791	0.000	92	197623	25.0	24.6	
82 2-Hexanone	43	7.858	7.858	0.000	97	429471	125.0	113.8	
83 Chlorodibromomethane	129	8.034	8.034	0.000	88	89295	25.0	22.8	
84 Ethylene Dibromide	107	8.138	8.138	0.000	97	102957	25.0	24.2	
86 Chlorobenzene	112	8.626	8.626	0.000	92	331946	25.0	24.5	
88 1,1,1,2-Tetrachloroethane	131	8.717	8.717	0.000	84	96559	25.0	23.7	
89 Ethylbenzene	91	8.723	8.723	0.000	99	589195	25.0	24.8	
90 m-Xylene & p-Xylene	106	8.845	8.845	0.000	0	224203	25.0	24.0	
91 o-Xylene	106	9.272	9.272	0.000	97	220002	25.0	24.4	
92 Styrene	104	9.296	9.296	0.000	95	383497	25.0	24.7	
93 Bromoform	173	9.534	9.534	0.000	94	45199	25.0	18.5	
95 Isopropylbenzene	105	9.650	9.650	0.000	96	585661	25.0	23.3	
97 Bromobenzene	156	9.991	9.991	0.000	97	131032	25.0	23.5	
98 1,1,2,2-Tetrachloroethane	83	10.022	10.022	0.000	88	139579	25.0	22.9	
99 1,2,3-Trichloropropane	110	10.058	10.058	0.000	83	48073	25.0	23.4	
100 trans-1,4-Dichloro-2-buten	53	10.071	10.071	0.000	66	44110	25.0	22.5	
101 N-Propylbenzene	91	10.071	10.071	0.000	98	708727	25.0	23.6	
102 2-Chlorotoluene	126	10.174	10.174	0.000	95	131783	25.0	23.4	
104 1,3,5-Trimethylbenzene	105	10.247	10.247	0.000	93	521718	25.0	24.1	
105 4-Chlorotoluene	126	10.284	10.284	0.000	97	138123	25.0	23.6	
106 tert-Butylbenzene	134	10.564	10.564	0.000	91	108391	25.0	23.7	
107 1,2,4-Trimethylbenzene	105	10.619	10.619	0.000	97	546465	25.0	24.1	
109 sec-Butylbenzene	105	10.778	10.778	0.000	95	655912	25.0	24.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
110 1,3-Dichlorobenzene	146	10.906	10.906	0.000	96	271843	25.0	24.3	
111 4-Isopropyltoluene	119	10.912	10.912	0.000	96	573465	25.0	24.8	
113 1,4-Dichlorobenzene	146	10.991	10.991	0.000	91	279215	25.0	24.0	
115 n-Butylbenzene	91	11.296	11.296	0.000	98	536520	25.0	25.3	
116 1,2-Dichlorobenzene	146	11.339	11.339	0.000	94	266480	25.0	24.1	
117 1,2-Dibromo-3-Chloropropan	75	12.058	12.058	0.000	66	24201	25.0	18.1	
119 1,2,4-Trichlorobenzene	180	12.747	12.747	0.000	93	206642	25.0	25.7	
120 Hexachlorobutadiene	225	12.863	12.863	0.000	95	91466	25.0	27.1	
121 Naphthalene	128	12.954	12.954	0.000	97	506713	25.0	21.6	
122 1,2,3-Trichlorobenzene	180	13.162	13.162	0.000	92	190003	25.0	24.5	
S 123 Total BTEX	1				0			121.8	
S 124 Xylenes, Total	1				0			48.4	
S 125 1,2-Dichloroethene, Total	1				0			48.1	
S 126 1,3-Dichloropropene, Total	1				0			47.3	

Reagents:

8260 CORP mix_00015	Amount Added: 12.50	Units: uL	
GAS CORP mix_00034	Amount Added: 12.50	Units: uL	
G_8260_Surr_00070	Amount Added: 1.00	Units: uL	Run Reagent
G_8260_IS_00057	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140702-33478.b\G31984.D

Injection Date: 02-Jul-2014 11:18:30

Instrument ID: HP5973G

Operator ID: NQ

Lims ID: LCS

Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL

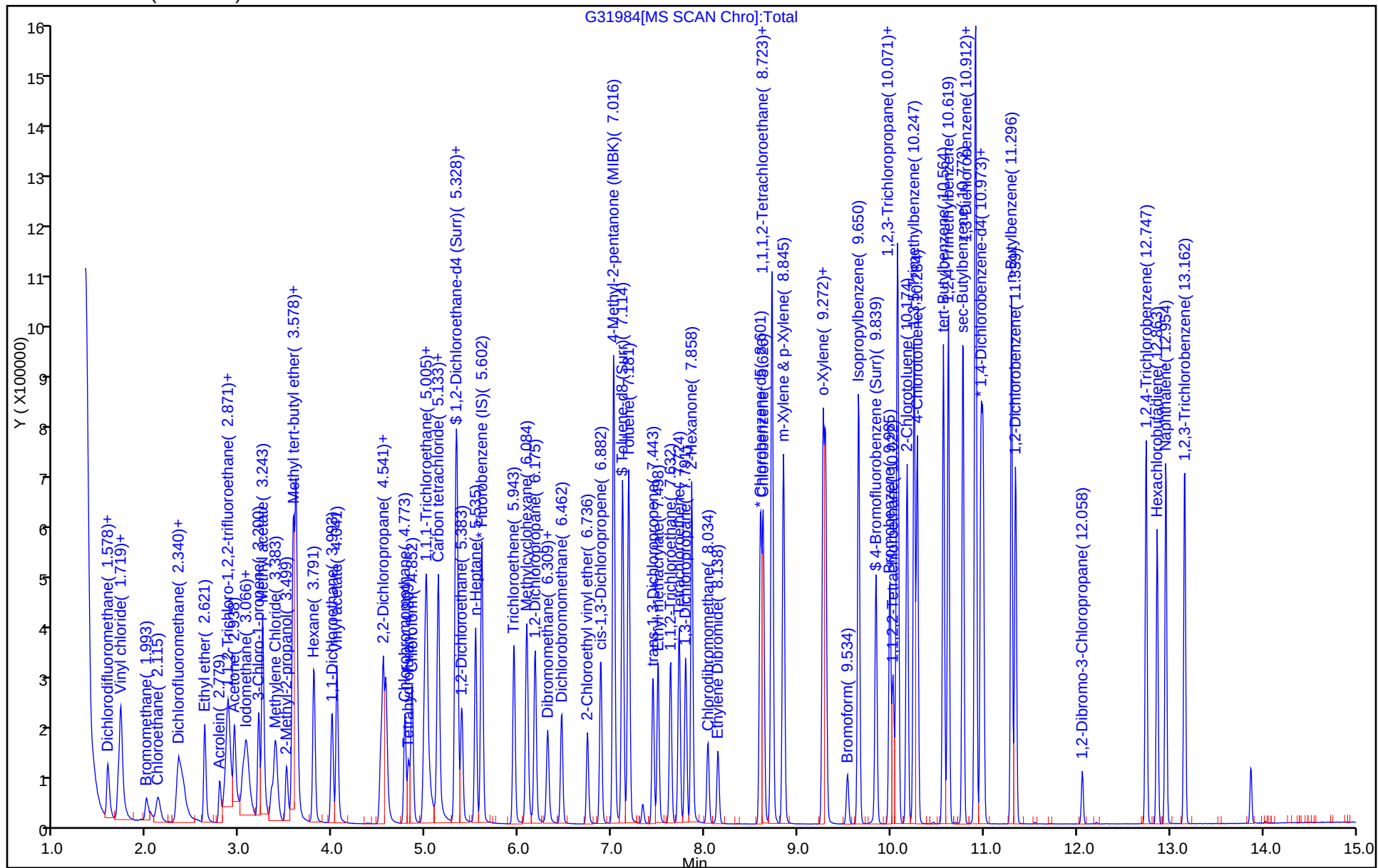
Dil. Factor: 1.0000

ALS Bottle#: 68

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1

SDG No.: _____

Client Sample ID: AZMW-6 MS Lab Sample ID: 480-62519-11 MS

Matrix: Water Lab File ID: G32000.D

Analysis Method: 8260C Date Collected: 06/20/2014 12:30

Sample wt/vol: 5(mL) Date Analyzed: 07/02/2014 17:42

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 190934 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	20.4		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	21.4		1.0	0.21
79-00-5	1,1,2-Trichloroethane	21.9		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	18.9		1.0	0.31
75-34-3	1,1-Dichloroethane	19.9		1.0	0.38
75-35-4	1,1-Dichloroethene	20.0		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	22.2		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	17.3		1.0	0.39
106-93-4	1,2-Dibromoethane	21.8		1.0	0.73
95-50-1	1,2-Dichlorobenzene	20.9		1.0	0.79
107-06-2	1,2-Dichloroethane	20.6		1.0	0.21
78-87-5	1,2-Dichloropropane	20.1		1.0	0.72
541-73-1	1,3-Dichlorobenzene	20.4		1.0	0.78
106-46-7	1,4-Dichlorobenzene	20.3		1.0	0.84
591-78-6	2-Hexanone	114		5.0	1.2
78-93-3	2-Butanone (MEK)	113		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	115		5.0	2.1
67-64-1	Acetone	105		10	3.0
71-43-2	Benzene	20.0		1.0	0.41
75-27-4	Bromodichloromethane	19.0		1.0	0.39
75-25-2	Bromoform	16.1		1.0	0.26
74-83-9	Bromomethane	24.7		1.0	0.69
75-15-0	Carbon disulfide	17.0		1.0	0.19
56-23-5	Carbon tetrachloride	17.3		1.0	0.27
108-90-7	Chlorobenzene	20.6		1.0	0.75
124-48-1	Dibromochloromethane	18.7		1.0	0.32
75-00-3	Chloroethane	23.8		1.0	0.32
67-66-3	Chloroform	22.1		1.0	0.34
74-87-3	Chloromethane	21.2		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	20.0		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	19.4		1.0	0.36
110-82-7	Cyclohexane	20.1		1.0	0.18
75-71-8	Dichlorodifluoromethane	20.1		1.0	0.68
100-41-4	Ethylbenzene	20.1		1.0	0.74
98-82-8	Isopropylbenzene	19.8		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1
 SDG No.: _____
 Client Sample ID: AZMW-6 MS Lab Sample ID: 480-62519-11 MS
 Matrix: Water Lab File ID: G32000.D
 Analysis Method: 8260C Date Collected: 06/20/2014 12:30
 Sample wt/vol: 5(mL) Date Analyzed: 07/02/2014 17:42
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 190934 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	111		2.5	0.50
1634-04-4	Methyl tert-butyl ether	21.6		1.0	0.16
108-87-2	Methylcyclohexane	19.8		1.0	0.16
75-09-2	Methylene Chloride	20.1		1.0	0.44
100-42-5	Styrene	20.2		1.0	0.73
127-18-4	Tetrachloroethene	20.8		1.0	0.36
108-88-3	Toluene	20.2		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	19.2		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	19.8		1.0	0.37
79-01-6	Trichloroethene	23.0		1.0	0.46
75-69-4	Trichlorofluoromethane	26.3		1.0	0.88
75-01-4	Vinyl chloride	24.4		1.0	0.90
1330-20-7	Xylenes, Total	40.1		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		66-137
2037-26-5	Toluene-d8 (Surr)	97		71-126
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
1868-53-7	Dibromofluoromethane (Surr)	95		60-140

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20140702-33478.b\G32000.D
 Lims ID: 480-62519-B-11 MS
 Client ID: AZMW-6
 Sample Type: MS
 Inject. Date: 02-Jul-2014 17:42:30 ALS Bottle#: 84 Worklist Smp#: 24
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-62519-B-11 MS
 Misc. Info.: 480-0033478-024 =480-0033478-024
 Operator ID: NQ Instrument ID: HP5973G
 Method: \\Bufchrom\ChromData\HP5973G\20140702-33478.b\G-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 02-Jul-2014 20:14:00 Calib Date: 10-Jun-2014 21:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31265.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK034

First Level Reviewer: goliszekg

Date: 02-Jul-2014 20:14:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.602	5.602	0.000	99	99509	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.595	8.595	0.000	87	203019	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.967	10.967	0.000	94	175627	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	5.005	5.005	0.000	79	99398	25.0	23.8	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.316	5.309	0.007	0	74286	25.0	24.2	
\$ 5 Toluene-d8 (Surr)	98	7.114	7.114	0.000	93	445535	25.0	24.2	
\$ 6 4-Bromofluorobenzene (Surr	174	9.839	9.839	0.000	82	121723	25.0	24.6	
10 Dichlorodifluoromethane	85	1.426	1.426	0.000	87	155558	25.0	20.1	
12 Chloromethane	50	1.579	1.578	0.001	89	143344	25.0	21.2	
13 Vinyl chloride	62	1.694	1.700	-0.006	83	154839	25.0	24.4	
14 Bromomethane	94	1.993	1.993	0.000	89	45891	25.0	24.7	
15 Chloroethane	64	2.121	2.121	0.000	94	80381	25.0	23.8	
17 Trichlorofluoromethane	101	2.347	2.353	-0.006	85	176907	25.0	26.3	
21 1,1,2-Trichloro-1,2,2-trif	101	2.865	2.865	0.000	48	94819	25.0	18.9	
20 1,1-Dichloroethene	96	2.877	2.871	0.006	89	116273	25.0	20.0	
22 Acetone	43	2.944	2.938	0.006	99	186318	125.0	105.0	
24 Carbon disulfide	76	3.072	3.072	0.000	99	274324	25.0	17.0	
28 Methyl acetate	43	3.243	3.243	0.000	95	441642	125.0	111.0	
29 Methylene Chloride	84	3.383	3.377	0.006	84	123766	25.0	20.1	
31 Methyl tert-butyl ether	73	3.572	3.566	0.006	86	355000	25.0	21.6	
32 trans-1,2-Dichloroethene	96	3.578	3.578	0.000	94	93780	25.0	19.2	
36 1,1-Dichloroethane	63	3.987	3.993	-0.006	86	170535	25.0	19.9	
43 cis-1,2-Dichloroethene	96	4.541	4.541	0.000	70	100857	25.0	20.0	
44 2-Butanone (MEK)	43	4.572	4.572	0.000	99	280258	125.0	112.9	
50 Chloroform	85	4.852	4.852	0.000	81	120996	25.0	22.1	
51 1,1,1-Trichloroethane	97	4.980	4.980	0.000	92	129718	25.0	20.4	
52 Cyclohexane	56	5.011	5.005	0.006	89	181695	25.0	20.1	
53 Carbon tetrachloride	117	5.127	5.126	0.001	77	100974	25.0	17.3	
56 Benzene	78	5.334	5.334	0.000	97	392903	25.0	20.0	
57 1,2-Dichloroethane	62	5.383	5.383	0.000	90	153936	25.0	20.6	
61 Trichloroethene	95	5.944	5.943	0.001	94	111387	25.0	23.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83	6.084	6.084	0.000	90	160956	25.0	19.8	
63 1,2-Dichloropropane	63	6.175	6.175	0.000	88	95892	25.0	20.1	
67 Dichlorobromomethane	83	6.462	6.462	0.000	93	115673	25.0	19.0	
72 cis-1,3-Dichloropropene	75	6.882	6.882	0.000	89	151178	25.0	19.4	
73 4-Methyl-2-pentanone (MIBK)	43	7.017	7.016	0.000	96	591132	125.0	114.9	
74 Toluene	92	7.181	7.181	0.000	98	252209	25.0	20.2	
76 trans-1,3-Dichloropropene	75	7.437	7.443	-0.006	91	133713	25.0	19.8	
79 1,1,2-Trichloroethane	83	7.632	7.632	0.000	87	74863	25.0	21.9	
80 Tetrachloroethene	166	7.724	7.724	0.000	90	93671	25.0	20.8	
82 2-Hexanone	43	7.858	7.858	0.000	96	419778	125.0	114.3	
83 Chlorodibromomethane	129	8.035	8.034	0.001	89	71279	25.0	18.7	
84 Ethylene Dibromide	107	8.138	8.138	0.000	98	90219	25.0	21.8	
86 Chlorobenzene	112	8.626	8.626	0.000	92	270979	25.0	20.6	
89 Ethylbenzene	91	8.723	8.723	0.000	99	466172	25.0	20.1	
90 m-Xylene & p-Xylene	106	8.845	8.845	0.000	0	181565		20.0	
91 o-Xylene	106	9.272	9.272	0.000	98	176236		20.1	
92 Styrene	104	9.297	9.296	0.001	95	305951	25.0	20.2	
93 Bromoform	173	9.534	9.534	0.000	94	37216	25.0	16.1	
95 Isopropylbenzene	105	9.656	9.650	0.006	96	478298	25.0	19.8	
98 1,1,2,2-Tetrachloroethane	83	10.022	10.022	0.000	92	125403	25.0	21.4	
110 1,3-Dichlorobenzene	146	10.906	10.906	0.000	95	219004	25.0	20.4	
113 1,4-Dichlorobenzene	146	10.991	10.991	0.000	91	225760	25.0	20.3	
116 1,2-Dichlorobenzene	146	11.339	11.339	0.000	93	221062	25.0	20.9	
117 1,2-Dibromo-3-Chloropropan	75	12.058	12.058	0.000	66	22131	25.0	17.3	
119 1,2,4-Trichlorobenzene	180	12.747	12.747	0.000	93	171350	25.0	22.2	
S 124 Xylenes, Total	1				0			40.1	

Reagents:

8260 CORP mix_00015

Amount Added: 12.50

Units: uL

GAS CORP mix_00034

Amount Added: 12.50

Units: uL

G_8260_Surr_00070

Amount Added: 1.00

Units: uL

Run Reagent

G_8260_IS_00057

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140702-33478.b\G32000.D

Injection Date: 02-Jul-2014 17:42:30

Instrument ID: HP5973G

Operator ID: NQ

Lims ID: 480-62519-B-11 MS

Worklist Smp#: 24

Client ID: AZMW-6

Purge Vol: 5.000 mL

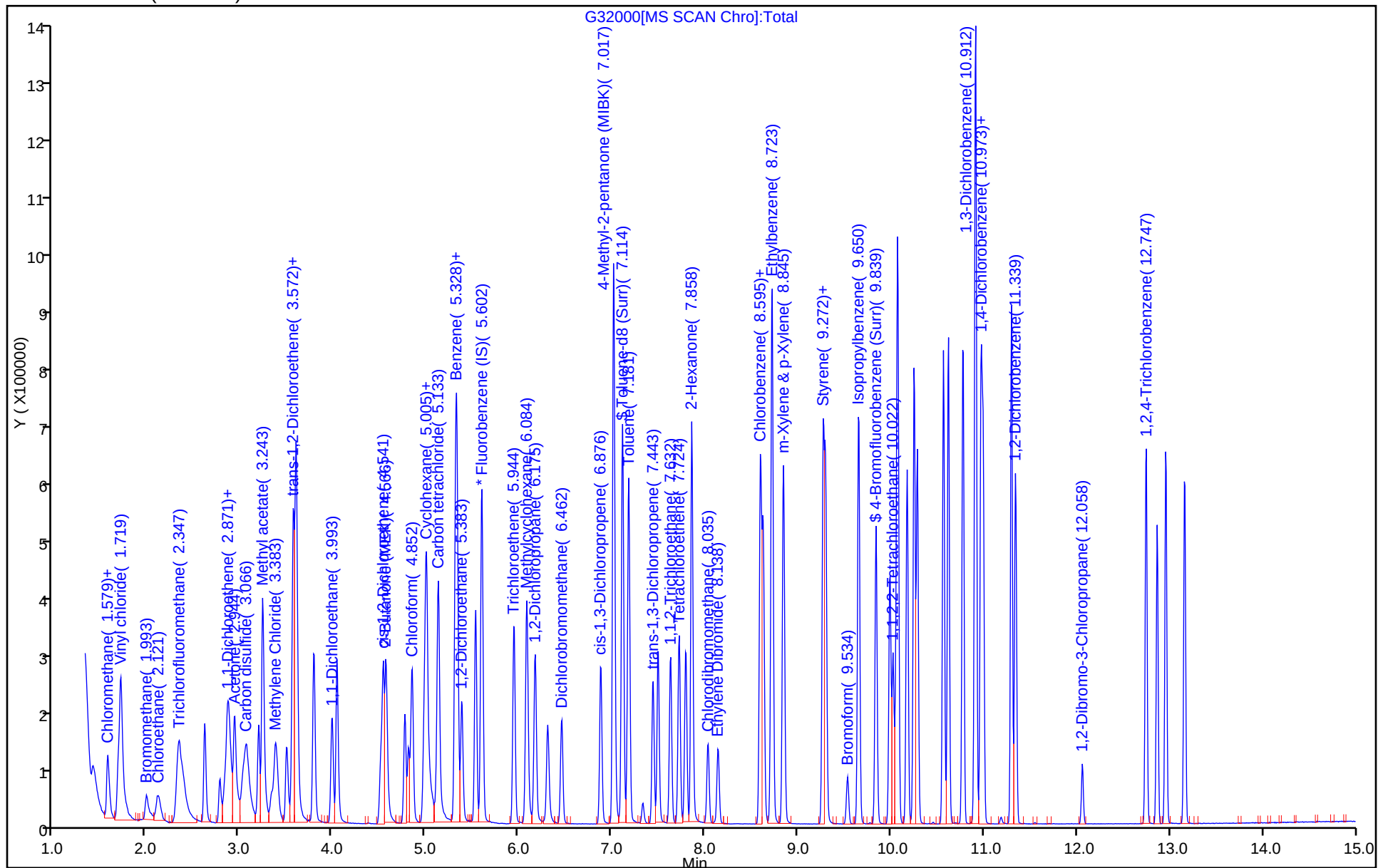
Dil. Factor: 1.0000

ALS Bottle#: 84

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1

SDG No.: _____

Client Sample ID: AZMW-6 MSD Lab Sample ID: 480-62519-11 MSD

Matrix: Water Lab File ID: G32001.D

Analysis Method: 8260C Date Collected: 06/20/2014 12:32

Sample wt/vol: 5(mL) Date Analyzed: 07/02/2014 18:06

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 190934 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	26.9		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	26.2		1.0	0.21
79-00-5	1,1,2-Trichloroethane	26.6		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	25.7		1.0	0.31
75-34-3	1,1-Dichloroethane	25.7		1.0	0.38
75-35-4	1,1-Dichloroethene	25.5		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	27.6		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	21.4		1.0	0.39
106-93-4	1,2-Dibromoethane	26.2		1.0	0.73
95-50-1	1,2-Dichlorobenzene	25.4		1.0	0.79
107-06-2	1,2-Dichloroethane	25.1		1.0	0.21
78-87-5	1,2-Dichloropropane	25.8		1.0	0.72
541-73-1	1,3-Dichlorobenzene	24.9		1.0	0.78
106-46-7	1,4-Dichlorobenzene	24.8		1.0	0.84
591-78-6	2-Hexanone	134		5.0	1.2
78-93-3	2-Butanone (MEK)	136		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	134		5.0	2.1
67-64-1	Acetone	125		10	3.0
71-43-2	Benzene	25.6		1.0	0.41
75-27-4	Bromodichloromethane	24.3		1.0	0.39
75-25-2	Bromoform	19.1		1.0	0.26
74-83-9	Bromomethane	22.7		1.0	0.69
75-15-0	Carbon disulfide	22.6		1.0	0.19
56-23-5	Carbon tetrachloride	24.0		1.0	0.27
108-90-7	Chlorobenzene	24.9		1.0	0.75
124-48-1	Dibromochloromethane	23.6		1.0	0.32
75-00-3	Chloroethane	23.0		1.0	0.32
67-66-3	Chloroform	27.7		1.0	0.34
74-87-3	Chloromethane	20.6		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	25.4		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	24.4		1.0	0.36
110-82-7	Cyclohexane	25.8		1.0	0.18
75-71-8	Dichlorodifluoromethane	18.8		1.0	0.68
100-41-4	Ethylbenzene	25.1		1.0	0.74
98-82-8	Isopropylbenzene	24.2		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1

SDG No.: _____

Client Sample ID: AZMW-6 MSD Lab Sample ID: 480-62519-11 MSD

Matrix: Water Lab File ID: G32001.D

Analysis Method: 8260C Date Collected: 06/20/2014 12:32

Sample wt/vol: 5(mL) Date Analyzed: 07/02/2014 18:06

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 190934 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	133		2.5	0.50
1634-04-4	Methyl tert-butyl ether	26.6		1.0	0.16
108-87-2	Methylcyclohexane	26.9		1.0	0.16
75-09-2	Methylene Chloride	26.1		1.0	0.44
100-42-5	Styrene	25.2		1.0	0.73
127-18-4	Tetrachloroethene	25.7		1.0	0.36
108-88-3	Toluene	25.0		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	25.1		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	24.6		1.0	0.37
79-01-6	Trichloroethene	28.7		1.0	0.46
75-69-4	Trichlorofluoromethane	25.0		1.0	0.88
75-01-4	Vinyl chloride	23.2		1.0	0.90
1330-20-7	Xylenes, Total	49.6		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		66-137
2037-26-5	Toluene-d8 (Surr)	96		71-126
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
1868-53-7	Dibromofluoromethane (Surr)	100		60-140

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20140702-33478.b\G32001.D
 Lims ID: 480-62519-B-11 MSD
 Client ID: AZMW-6
 Sample Type: MSD
 Inject. Date: 02-Jul-2014 18:06:30 ALS Bottle#: 85 Worklist Smp#: 25
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-62519-B-11 MSD
 Misc. Info.: 480-0033478-025 =480-0033478-025
 Operator ID: NQ Instrument ID: HP5973G
 Method: \\Bufchrom\ChromData\HP5973G\20140702-33478.b\G-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 02-Jul-2014 20:14:00 Calib Date: 10-Jun-2014 21:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5973G\20140610-32823.b\G31265.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK034

First Level Reviewer: goliszekg

Date: 02-Jul-2014 20:14:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.602	5.602	0.000	98	98378	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.595	8.595	0.000	87	206420	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.967	10.967	0.000	78	178307	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	5.005	5.005	0.000	77	102725	25.0	24.9	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.316	5.309	0.007	0	73906	25.0	24.4	
\$ 5 Toluene-d8 (Surr)	98	7.114	7.114	0.000	92	448578	25.0	24.0	
\$ 6 4-Bromofluorobenzene (Surr	174	9.839	9.839	0.000	83	125514	25.0	24.9	
10 Dichlorodifluoromethane	85	1.432	1.426	0.006	87	143836	25.0	18.8	
12 Chloromethane	50	1.578	1.578	0.000	89	137631	25.0	20.6	
13 Vinyl chloride	62	1.694	1.700	-0.006	84	145362	25.0	23.2	
14 Bromomethane	94	1.993	1.993	0.000	89	41740	25.0	22.7	
15 Chloroethane	64	2.121	2.121	0.000	94	76844	25.0	23.0	
17 Trichlorofluoromethane	101	2.359	2.353	0.006	84	166444	25.0	25.0	
21 1,1,2-Trichloro-1,2,2-trif	101	2.871	2.865	0.006	51	127574	25.0	25.7	
20 1,1-Dichloroethene	96	2.877	2.871	0.006	89	146128	25.0	25.5	
22 Acetone	43	2.944	2.938	0.006	99	219616	125.0	125.1	
24 Carbon disulfide	76	3.072	3.072	0.000	99	361717	25.0	22.6	
28 Methyl acetate	43	3.243	3.243	0.000	95	521763	125.0	132.7	
29 Methylene Chloride	84	3.383	3.377	0.006	84	157348	25.0	26.1	
31 Methyl tert-butyl ether	73	3.572	3.566	0.006	85	431547	25.0	26.6	
32 trans-1,2-Dichloroethene	96	3.578	3.578	0.000	99	121238	25.0	25.1	
36 1,1-Dichloroethane	63	3.993	3.993	0.000	97	217726	25.0	25.7	
43 cis-1,2-Dichloroethene	96	4.541	4.541	0.000	70	126659	25.0	25.4	
44 2-Butanone (MEK)	43	4.572	4.572	0.000	99	333513	125.0	135.8	
50 Chloroform	85	4.852	4.852	0.000	81	149907	25.0	27.7	
51 1,1,1-Trichloroethane	97	4.980	4.980	0.000	92	168623	25.0	26.9	
52 Cyclohexane	56	5.005	5.005	0.000	90	230433	25.0	25.8	
53 Carbon tetrachloride	117	5.127	5.126	0.001	78	138592	25.0	24.0	
56 Benzene	78	5.334	5.334	0.000	97	496169	25.0	25.6	
57 1,2-Dichloroethane	62	5.383	5.383	0.000	90	185909	25.0	25.1	
61 Trichloroethene	95	5.943	5.943	0.000	94	137384	25.0	28.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83	6.084	6.084	0.000	90	215531	25.0	26.9	
63 1,2-Dichloropropane	63	6.175	6.175	0.000	91	121325	25.0	25.8	
67 Dichlorobromomethane	83	6.462	6.462	0.000	93	146335	25.0	24.3	
72 cis-1,3-Dichloropropene	75	6.882	6.882	0.000	89	188773	25.0	24.4	
73 4-Methyl-2-pentanone (MIBK)	43	7.016	7.016	0.000	96	700493	125.0	133.9	
74 Toluene	92	7.181	7.181	0.000	98	316646	25.0	25.0	
76 trans-1,3-Dichloropropene	75	7.443	7.443	0.000	91	168834	25.0	24.6	
79 1,1,2-Trichloroethane	83	7.632	7.632	0.000	88	92095	25.0	26.6	
80 Tetrachloroethene	166	7.724	7.724	0.000	90	117891	25.0	25.7	
82 2-Hexanone	43	7.858	7.858	0.000	95	500437	125.0	134.1	
83 Chlorodibromomethane	129	8.035	8.034	0.000	88	91364	25.0	23.6	
84 Ethylene Dibromide	107	8.138	8.138	0.000	97	110007	25.0	26.2	
86 Chlorobenzene	112	8.626	8.626	0.000	92	334179	25.0	24.9	
89 Ethylbenzene	91	8.723	8.723	0.000	99	590480	25.0	25.1	
90 m-Xylene & p-Xylene	106	8.845	8.845	0.000	0	228285		24.7	
91 o-Xylene	106	9.272	9.272	0.000	98	221600		24.9	
92 Styrene	104	9.296	9.296	0.000	95	386992	25.0	25.2	
93 Bromoform	173	9.534	9.534	0.000	94	46296	25.0	19.1	
95 Isopropylbenzene	105	9.650	9.650	0.000	97	593497	25.0	24.2	
98 1,1,2,2-Tetrachloroethane	83	10.022	10.022	0.000	86	155613	25.0	26.2	
110 1,3-Dichlorobenzene	146	10.906	10.906	0.000	95	272054	25.0	24.9	
113 1,4-Dichlorobenzene	146	10.991	10.991	0.000	92	280890	25.0	24.8	
116 1,2-Dichlorobenzene	146	11.339	11.339	0.000	93	273149	25.0	25.4	
117 1,2-Dibromo-3-Chloropropan	75	12.058	12.058	0.000	69	27827	25.0	21.4	
119 1,2,4-Trichlorobenzene	180	12.747	12.747	0.000	92	216391	25.0	27.6	
S 124 Xylenes, Total	1				0			49.6	

Reagents:

GAS CORP mix_00034

Amount Added: 12.50

Units: uL

8260 CORP mix_00015

Amount Added: 12.50

Units: uL

G_8260_Surr_00070

Amount Added: 1.00

Units: uL

Run Reagent

G_8260_IS_00057

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20140702-33478.b\G32001.D

Injection Date: 02-Jul-2014 18:06:30

Instrument ID: HP5973G

Operator ID: NQ

Lims ID: 480-62519-B-11 MSD

Worklist Smp#: 25

Client ID: AZMW-6

Purge Vol: 5.000 mL

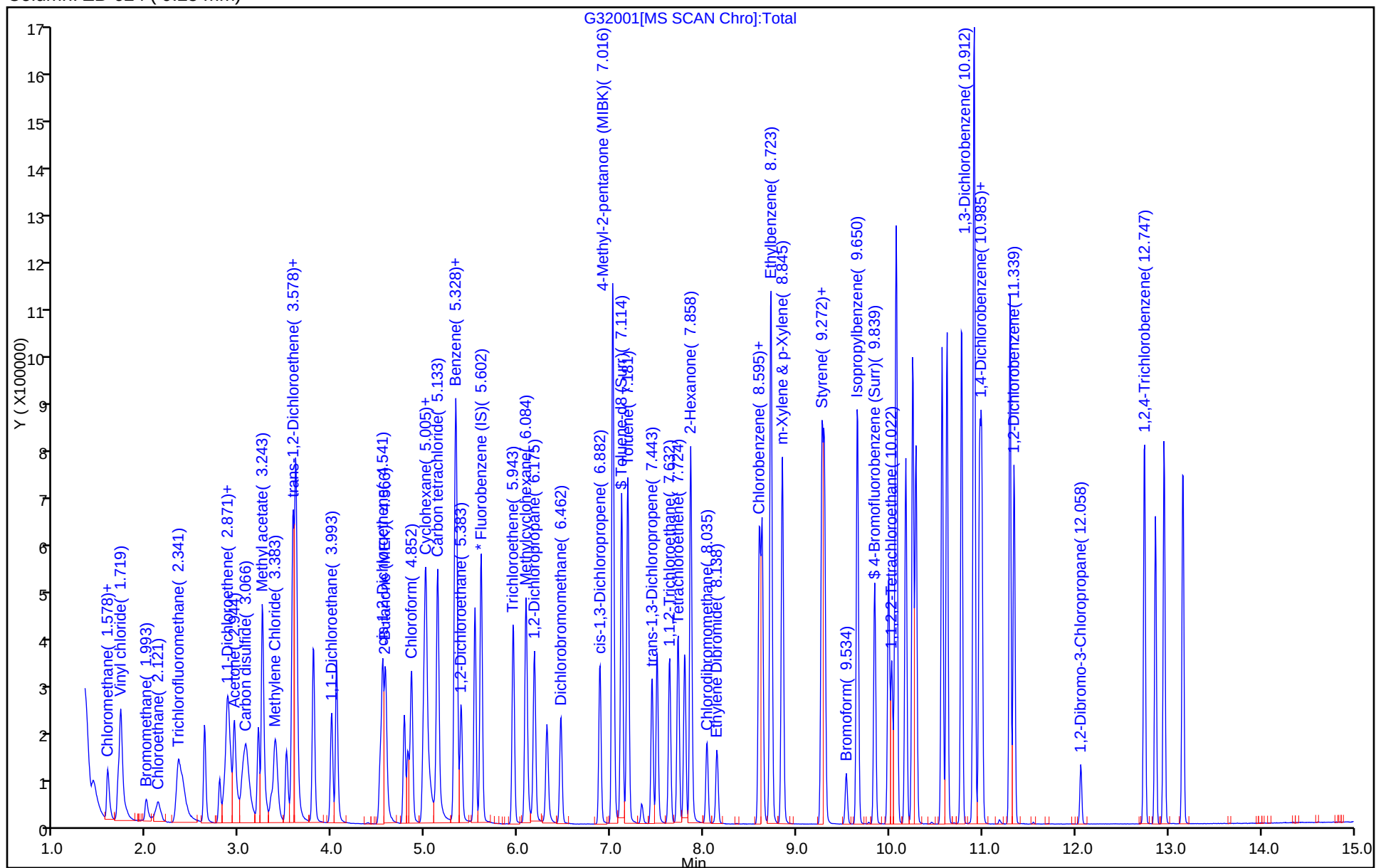
Dil. Factor: 1.0000

ALS Bottle#: 85

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1

SDG No.: _____

Instrument ID: HP5973G Start Date: 06/10/2014 14:12Analysis Batch Number: 186834 End Date: 06/10/2014 22:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-186834/2		06/10/2014 14:12	1	G31247.D	ZB-624 (60) 0.25 (mm)
IC 480-186834/4		06/10/2014 15:07	1	G31249.D	ZB-624 (60) 0.25 (mm)
IC 480-186834/5		06/10/2014 15:30	1	G31250.D	ZB-624 (60) 0.25 (mm)
IC 480-186834/6		06/10/2014 15:53	1	G31251.D	ZB-624 (60) 0.25 (mm)
IC 480-186834/7		06/10/2014 16:16	1	G31252.D	ZB-624 (60) 0.25 (mm)
ICIS 480-186834/8		06/10/2014 16:39	1	G31253.D	ZB-624 (60) 0.25 (mm)
IC 480-186834/9		06/10/2014 17:02	1	G31254.D	ZB-624 (60) 0.25 (mm)
IC 480-186834/10		06/10/2014 17:24	1	G31255.D	ZB-624 (60) 0.25 (mm)
MDLV 480-186834/12		06/10/2014 18:10	1		ZB-624 (60) 0.25 (mm)
IC 480-186834/14		06/10/2014 18:56	1		ZB-624 (60) 0.25 (mm)
IC 480-186834/15		06/10/2014 19:18	1		ZB-624 (60) 0.25 (mm)
IC 480-186834/16		06/10/2014 19:41	1		ZB-624 (60) 0.25 (mm)
IC 480-186834/17		06/10/2014 20:04	1		ZB-624 (60) 0.25 (mm)
IC 480-186834/18		06/10/2014 20:27	1		ZB-624 (60) 0.25 (mm)
IC 480-186834/19		06/10/2014 20:49	1		ZB-624 (60) 0.25 (mm)
IC 480-186834/20		06/10/2014 21:12	1		ZB-624 (60) 0.25 (mm)
MDLV 480-186834/22		06/10/2014 21:58	1		ZB-624 (60) 0.25 (mm)
ICV 480-186834/23		06/10/2014 22:21	1		ZB-624 (60) 0.25 (mm)
ICV 480-186834/24		06/10/2014 22:44	1		ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1

SDG No.: _____

Instrument ID: HP5973G Start Date: 07/01/2014 10:57Analysis Batch Number: 190745 End Date: 07/01/2014 22:06

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-190745/2		07/01/2014 10:57	1	G31948.D	ZB-624 (60) 0.25 (mm)
CCVIS 480-190745/3		07/01/2014 11:23	1	G31949.D	ZB-624 (60) 0.25 (mm)
MDLV 480-190745/4		07/01/2014 12:01	1		ZB-624 (60) 0.25 (mm)
LCS 480-190745/6		07/01/2014 12:46	1	G31952.D	ZB-624 (60) 0.25 (mm)
MB 480-190745/8		07/01/2014 13:32	1	G31954.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		07/01/2014 14:06	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/01/2014 14:29	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/01/2014 15:15	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/01/2014 15:38	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/01/2014 16:46	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/01/2014 17:54	1		ZB-624 (60) 0.25 (mm)
480-62519-1	DUP1	07/01/2014 18:17	1	G31966.D	ZB-624 (60) 0.25 (mm)
480-62519-2	DUP2	07/01/2014 18:40	1	G31967.D	ZB-624 (60) 0.25 (mm)
480-62519-3	tripblank	07/01/2014 19:03	1	G31968.D	ZB-624 (60) 0.25 (mm)
480-62519-4	AZMW-7	07/01/2014 19:26	1	G31969.D	ZB-624 (60) 0.25 (mm)
480-62519-5	AZMW-8	07/01/2014 19:49	1	G31970.D	ZB-624 (60) 0.25 (mm)
480-62519-6	AZMW-3	07/01/2014 20:12	1	G31971.D	ZB-624 (60) 0.25 (mm)
480-62519-7	AZMW-4	07/01/2014 20:35	1	G31972.D	ZB-624 (60) 0.25 (mm)
480-62519-8	AZMW-5	07/01/2014 20:57	1	G31973.D	ZB-624 (60) 0.25 (mm)
480-62519-9	AZMW-1	07/01/2014 21:20	1	G31974.D	ZB-624 (60) 0.25 (mm)
480-62519-10	AZMW-2	07/01/2014 21:43	1	G31975.D	ZB-624 (60) 0.25 (mm)
480-62519-11	AZMW-6	07/01/2014 22:06	1	G31976.D	ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-62519-1

SDG No.: _____

Instrument ID: HP5973G Start Date: 07/02/2014 09:33Analysis Batch Number: 190934 End Date: 07/02/2014 20:23

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-190934/2		07/02/2014 09:33	1	G31980.D	ZB-624 (60) 0.25 (mm)
CCVIS 480-190934/3		07/02/2014 09:59	1	G31981.D	ZB-624 (60) 0.25 (mm)
MDLV 480-190934/4		07/02/2014 10:32	1		ZB-624 (60) 0.25 (mm)
CCV 480-190934/5		07/02/2014 10:55	1		ZB-624 (60) 0.25 (mm)
LCS 480-190934/6		07/02/2014 11:18	1	G31984.D	ZB-624 (60) 0.25 (mm)
MB 480-190934/8		07/02/2014 12:03	1	G31986.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		07/02/2014 12:44	4000		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/02/2014 13:07	2		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/02/2014 13:30	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/02/2014 13:53	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/02/2014 14:16	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/02/2014 14:39	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/02/2014 15:48	200		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/02/2014 16:10	200		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/02/2014 16:34	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/02/2014 16:56	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/02/2014 17:20	1		ZB-624 (60) 0.25 (mm)
480-62519-11 MS	AZMW-6 MS	07/02/2014 17:42	1	G32000.D	ZB-624 (60) 0.25 (mm)
480-62519-11 MSD	AZMW-6 MSD	07/02/2014 18:06	1	G32001.D	ZB-624 (60) 0.25 (mm)
480-62519-12	MW-6	07/02/2014 18:28	1	G32002.D	ZB-624 (60) 0.25 (mm)
480-62519-13	MW-7	07/02/2014 18:52	1	G32003.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		07/02/2014 19:37	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/02/2014 20:00	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/02/2014 20:23	1		ZB-624 (60) 0.25 (mm)

GC/MS VOA Worksheet

Batch Number: 480-190745

Method: 8260C

Analyst: Nguyen-Dudziak, Nhu Quynh

Date Open: Jul 01 2014 10:57AM

Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial pH	Initial weight/volume of sample	Final weight/volume of sample	Instrument	8260 CORP mix_00015	BFB_WRK_00034
BFB~480-190745/2		8260C			1 uL	1 uL	HP5973G		1 uL
CCVIS~480-190745/3		8260C			5 mL	5 mL	HP5973G	12.5 uL	
MDLV~480-190745/4					5 mL	5 mL	HP5973G	1 uL	
LCS~480-190745/6		8260C			5 mL	5 mL	HP5973G	12.5 uL	
MB~480-190745/8		8260C			5 mL	5 mL	HP5973G		
LCS~480-190675/1-A					100 uL	5 mL	HP5973G		
MB~480-190675/2-A					100 uL	5 mL	HP5973G		
480-62896-A-2-E					100 uL	5 mL	HP5973G		
480-62816-A-1-A		8260C	T		100 uL	5 mL	HP5973G		
480-62319-H-2	MW-03	8260C	T	<2 SU	5 mL	5 mL	HP5973G		
480-62319-A-5	TB-061914	8260C	T	<2 SU	5 mL	5 mL	HP5973G		
480-62519-A-1	DUP1	8260C	T	<2 SU	5 mL	5 mL	HP5973G		
480-62519-A-2	DUP2	8260C	T	<2 SU	5 mL	5 mL	HP5973G		
480-62519-A-3	tripblank	8260C	T	<2 SU	5 mL	5 mL	HP5973G		
480-62519-A-4	AZMW-7	8260C	T	<2 SU	5 mL	5 mL	HP5973G		
480-62519-A-5	AZMW-8	8260C	T	<2 SU	5 mL	5 mL	HP5973G		
480-62519-A-6	AZMW-3	8260C	T	<2 SU	5 mL	5 mL	HP5973G		
480-62519-A-7	AZMW-4	8260C	T	<2 SU	5 mL	5 mL	HP5973G		
480-62519-A-8	AZMW-5	8260C	T	<2 SU	5 mL	5 mL	HP5973G		
480-62519-A-9	AZMW-1	8260C	T	<2 SU	5 mL	5 mL	HP5973G		
480-62519-A-10	AZMW-2	8260C	T	<2 SU	5 mL	5 mL	HP5973G		
480-62519-A-11	AZMW-6	8260C	T	<2 SU	5 mL	5 mL	HP5973G		

GC/MS VOA Worksheet

Batch Number: 480-190745

Method: 8260C

Analyst: Nguyen-Dudziak, Nhu Quynh

Date Open: Jul 01 2014 10:57AM

Batch End:

Lab ID	Client ID	Method Chain	Basis	G_8260_IS_00057	G_8260_Surr_00070	GAS CORP mix_00034
BFB~480-190745/2		8260C				
CCVIS~480-190745/3		8260C		1 uL	1 uL	12.5 uL
MDLV~480-190745/4				1 uL	1 uL	1 uL
LCS~480-190745/6		8260C		1 uL	1 uL	12.5 uL
MB~480-190745/8		8260C		1 uL	1 uL	
LCS~480-190675/1-A				1 uL		
MB~480-190675/2-A				1 uL		
480-62896-A-2-E				1 uL		
480-62816-A-1-A		8260C	T	1 uL		
480-62319-H-2	MW-03	8260C	T	1 uL	1 uL	
480-62319-A-5	TB-061914	8260C	T	1 uL	1 uL	
480-62519-A-1	DUP1	8260C	T	1 uL	1 uL	
480-62519-A-2	DUP2	8260C	T	1 uL	1 uL	
480-62519-A-3	tripblank	8260C	T	1 uL	1 uL	
480-62519-A-4	AZMW-7	8260C	T	1 uL	1 uL	
480-62519-A-5	AZMW-8	8260C	T	1 uL	1 uL	
480-62519-A-6	AZMW-3	8260C	T	1 uL	1 uL	
480-62519-A-7	AZMW-4	8260C	T	1 uL	1 uL	
480-62519-A-8	AZMW-5	8260C	T	1 uL	1 uL	
480-62519-A-9	AZMW-1	8260C	T	1 uL	1 uL	
480-62519-A-10	AZMW-2	8260C	T	1 uL	1 uL	
480-62519-A-11	AZMW-6	8260C	T	1 uL	1 uL	

GC/MS VOA Worksheet

Batch Number: 480-190934

Date Open: Jul 02 2014 9:33AM

Method: 8260C

Batch End:

Analyst: Goliszek, Gregory T

Lab ID	Client ID	Method Chain	Basis	Initial pH	Initial weight/volume of sample	Final weight/volume of sample	Instrument	2MTP_WRK_00033	3MTP_WRK_00036
BFB~480-190934/2		8260C			1 uL	1 uL	HP5973G		
CCVIS~480-190934/3		8260C			5 mL	5 mL	HP5973G		
MDLV~480-190934/4					5 mL	5 mL	HP5973G		
CCV~480-190934/5		8260C			5 mL	5 mL	HP5973G	12.5 uL	12.5 uL
LCS~480-190934/6		8260C			5 mL	5 mL	HP5973G		
MB~480-190934/8		8260C			5 mL	5 mL	HP5973G		
480-62343-C-5-A		8260C	T		100 uL	5 mL	HP5973G		
480-62896-A-3-C					100 uL	5 mL	HP5973G		
480-62578-A-1-H		8260C	T		100 uL	5 mL	HP5973G		
480-62409-C-1-C		8260C	T		100 uL	5 mL	HP5973G		
480-62409-C-4-C		8260C	T		100 uL	5 mL	HP5973G		
480-62579-A-6-G					100 uL	5 mL	HP5973G		
LCS~480-191050/1-A		8260C			100 uL	5 mL	HP5973G		
480-62319-I-3	MW-02	8260C	T	<2 SU	5 mL	5 mL	HP5973G		
480-62319-I-4	FD-061914	8260C	T	<2 SU	5 mL	5 mL	HP5973G		
480-62472-A-1	MH2017ST	8260C	T	<2 SU	5 mL	5 mL	HP5973G		
480-62472-A-2	MH2009ST	8260C	T	<2 SU	5 mL	5 mL	HP5973G		
480-62472-A-3	TB	8260C	T	<2 SU	5 mL	5 mL	HP5973G		
480-62519-B-11~MS	AZMW-6	8260C	T	<2 SU	5 mL	5 mL	HP5973G		
480-62519-B-11~MS	AZMW-6	8260C	T	<2 SU	5 mL	5 mL	HP5973G		
D									
480-62519-A-12	MW-6	8260C	T	<2 SU	5 mL	5 mL	HP5973G		
480-62519-A-13	MW-7	8260C	T	<2 SU	5 mL	5 mL	HP5973G		
MB~480-191050/2-A		8260C			100 uL	5 mL	HP5973G		
480-62423-I-1-A		8260C	T		100 uL	5 mL	HP5973G		

GC/MS VOA Worksheet

Batch Number: 480-190934

Method: 8260C

Analyst: Goliszek, Gregory T

Date Open: Jul 02 2014 9:33AM

Batch End:

Lab ID	Client ID	Method Chain	Basis	8260 CORP mix_00015	ADD CORP mix_00011	BFB_WRK_00034	G_8260_IS_00057	G_8260_Surr_00070	GAS CORP mix_00034
BFB~480-190934/2		8260C				1 uL			
CCVIS~480-190934/3		8260C		12.5 uL			1 uL	1 uL	12.5 uL
MDLV~480-190934/4				1 uL			1 uL	1 uL	1 uL
CCV~480-190934/5		8260C			12.5 uL		1 uL	1 uL	
LCS~480-190934/6		8260C		12.5 uL			1 uL	1 uL	12.5 uL
MB~480-190934/8		8260C					1 uL	1 uL	
480-62343-C-5-A		8260C	T				1 uL		
480-62896-A-3-C							1 uL		
480-62578-A-1-H		8260C	T				1 uL		
480-62409-C-1-C		8260C	T				1 uL		
480-62409-C-4-C		8260C	T				1 uL		
480-62579-A-6-G							1 uL		
LCS~480-191050/1-A		8260C					1 uL	1 uL	
480-62319-I-3	MW-02	8260C	T				1 uL	1 uL	
480-62319-I-4	FD-061914	8260C	T				1 uL	1 uL	
480-62472-A-1	MH2017ST	8260C	T				1 uL	1 uL	
480-62472-A-2	MH2009ST	8260C	T				1 uL	1 uL	
480-62472-A-3	TB	8260C	T				1 uL	1 uL	
480-62519-B-11~MS	AZMW-6	8260C	T	12.5 uL			1 uL	1 uL	12.5 uL
480-62519-B-11~MS	AZMW-6	8260C	T	12.5 uL			1 uL	1 uL	12.5 uL
D									
480-62519-A-12	MW-6	8260C	T				1 uL	1 uL	
480-62519-A-13	MW-7	8260C	T				1 uL	1 uL	
MB~480-191050/2-A		8260C					1 uL	1 uL	
480-62423-I-1-A		8260C	T				1 uL	1 uL	

Shipping and Receiving Documents

Chain of Custody Record

Client Information Client Contact: Whitney Shafer Company: Aztech Technologies Inc Address: 5 McCrea Hill Road City: Ballston Spa State, Zip: NY, 12020 Phone: _____ Email: wshafer@aztechtech.com Project Name: Former Ithaca Gun Factory #C755019A Site: _____		Sample: Karen Carling Lab PM: Stone, Judy L Phone: (518) 885-5383 E-Mail: judy.stone@testamericainc.com		Carrier Tracking No(s): 480-50762-13559.1 Page: Page 1 of 2 Job #: _____													
Due Date Requested: _____ TAT Requested (days): <u>Standard</u> PO #: _____ Call/Out ID: 121941 WO #: _____ Project #: 48008223 SSON#: _____		Analysis Requested Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecylhydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify) Other: _____															
Sample Identification Sample ID AZ MW - 1 AZ MW - 2 AZ MW - 3 AZ MW - 4 AZ MW - 5 AZ MW - 6 AZ MW - 7 AZ MW - 8 MW - 6 MW - 7		Sample Date 6/19/2014 6/20/2014 6/20/2014 6/19/2014 6/19/2014 6/20/2014 6/19/2014 6/20/2014 6/20/2014 6/20/2014		Sample Time 1230 1110 0900 1815 1730 1235 1645 1615 1350 1215		Sample Type (C=comp, G=grab) G G G G G G G G G G		Matrix (W=water, S=solid, O=oil, A=air, L=liquid, G=gas) Water Water Water Water Water Water Water Water Water Water		Field Filtered Sample (Yes or No) X X X X X X X X X X		B260C - (MOD) TCL list OLMD4.2 X X X X X X X X X X		Total Number of Containers X X X X X X X X X X		Special Instructions/Note: _____ _____ _____ _____ _____ _____ _____ _____ _____ _____	
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological Deliverable Requested: I, II, III, IV, Other (specify) _____														Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months			
Empty Kit Relinquished by: _____ Date: _____ Relinquished by: _____ Date: 6/22/14 1130 Relinquished by: _____ Date: 6/24/14 1800 Relinquished by: _____ Date: _____														Special Instructions/QC Requirements: _____ _____ _____ _____ _____ _____ _____ _____ _____			
Relinquished by: _____ Date: 6/24/14 08:10 Relinquished by: _____ Date: 6/25/14 0200 Relinquished by: _____ Date: _____														Company: TA Company: TA Company: TA			
Custody Seal Intact: ☒ Yes ☐ No Custody Seal No: _____ Cooler Temperature(s) °C and Other Remarks: _____																	

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TAL-4124 (1007)

Client Artech Technologies		Project Manager Tommy Granichall		Date 6/20/2014	Chain of Custody Number 198141
Address 5 McCreia Hill Rd		Telephone Number (Area Code)/Fax Number (518) 885-5383		Lab Number	Page 2 of 2
City Bullston Spa	State NY	Zip Code 12020	Site Contact Barry Prescott	Lab Contact Judy Stone	

Project Name and Location (State)
14th Ave Gun Factory #C755019A

Contract/Purchase Order/Quote No.
Callout: 121941 Aged # 4800 8 223

Sample I.D. No. and Description
(Containers for each sample may be combined on one line)

Sample I.D. No. and Description	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH

DUP1	6/19/2014	1650	X	X						X		
DUP2	6/20/2014	1115	X	X						X		
MS	6/20/2014	1230	X	X						X		
MSD	6/20/2014	1232	X	X						X		
tnpblank			X							X		
AZMW-7	6/19/2014	1615	X	X						X		
AZMW-8	6/19/2014	1645	X	X						X		

Special Instructions/Conditions of Receipt
email to: **wshuf@artechtech.co**
and KClad@artechtech.co

480-62519 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown
☐ Return To Client ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

QC Requirements (Specify)

1. Relinquished By	Date	Time	2. Received By	Date	Time
	6/20/2014	1130		6-23-14	13:30
	6-23-14	18:00		6-24-14	0100

Comments
4.2 #1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-62519-1

Login Number: 62519

List Source: TestAmerica Buffalo

List Number: 1

Creator: Wienke, Robert K

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
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.	False	A number of samples were received but not listed on the COC.
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	False	
Samples received within 48 hours of sampling.	False	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Data Usability Summary Report

**Former Ithaca Gun Factory Site #C755019A
Ithaca, New York**

**Groundwater Samples
Collected June 2014**

August 2014

ZDATA REPORTS

Data Management and Validation Services

118 Rose Lane Terrace, Syracuse, NY 13219, (716) 907-2341

Data Usability Summary Report

**Groundwater Samples
Collected June 2014**

**Former Ithaca Gun Factory Site #C755019A
Ithaca, New York**

Prepared By:

ZDataReports
Data Management and Validation Service
118 Rose Lane Terrace
Syracuse, New York 1219
(716) 907-2341

EXECUTIVE SUMMARY

This report addresses data quality for groundwater samples collected at the Former Ithaca Gun Factory Site #C755019A located in Ithaca, New York. The samples were analyzed for volatile organics (VOCs) following New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) methodologies. Sample collection was performed by Aztech Technologies, Inc. located in Ballston Spa, New York. Analytical services were provided by TestAmerica Laboratories, Inc. located in Amherst, New York.

The volatile organic analyses data were determined to be usable for qualitative and quantitative purposes as reported by the laboratory.

TABLE of CONTENTS

SECTION 1 - INTRODUCTION	1
1.1 Introduction	1
1.2 Analytical Methods	1
1.3 Validation Protocols	1
1.3.1 Organic Parameters	2
1.4 Data Qualifiers	2
SECTION 2 - DATA VALIDATION SUMMARY	4
2.1 Volatiles Organics Analysis	4
SECTION 3 - DATA USABILITY and PARCC EVALUATION	4
3.1 Data Usability	5
3.2 PARCC Evaluation	5
3.2.1 Precision	5
3.2.2 Accuracy	5
3.2.3 Representativeness	5
3.2.4 Comparability	5
3.2.5 Completeness	6

Appendices

Appendix A - Data Validation Checklists

SECTION 1 - INTRODUCTION

1.1 Introduction

This report addresses data quality for groundwater samples collected at the Former Ithaca Gun Factory Site #C755019A located in Ithaca, New York. The samples were analyzed for volatile organics (VOCs) following New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) methodologies. Sample collection was performed by Aztech Technologies, Inc. located in Ballston Spa, New York. Analytical services were provided by TestAmerica Laboratories, Inc. located in Amherst, New York. The quantity and types of samples submitted for data validation are tabulated below.

Table 1: Introduction - Sample Summary Table

SDG#	Date Collected	Sample Matrix	Sample Identification	
			Client ID	Laboratory ID
480-62519-1	6/19/2014	Water	AZMW-1	480-62519-9
			AZMW-4	480-62519-7
			AZMW-5	480-62519-8
			DUP1 (AZMW-8)	480-62519-1
			AZMW-7	480-62519-4
			AZMW-8	480-62519-5
	6/20/2014	Water	AZMW-2	480-62519-10
			AZMW-3	480-62519-6
			AZMW-6	480-62519-11
			DUP2 (AZMW-1)	480-62519-2
			Trip Blank	480-62519-3
			MW-6	480-62519-12
			MW-7	480-62519-13

1.2 Analytical Methods

The samples were analyzed for volatile organics (VOCs) following New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) methodologies (2005 update). Laboratory analyses were provided by TestAmerica Laboratories, Inc. located in Amherst, New York.

1.3 Validation Protocols

Data validation is a process that involves the evaluation of analytical data against prescribed quality control criteria to determine the usefulness of the data. The analytical data addressed in this report were evaluated utilizing the quality control criteria presented in the following documents:

- *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review*, EPA-540-R-08-01, June 2008.
- *CLP Organics Data Review and Preliminary Review*, SOP No. HW-6 Revision #14, USEPA Region II, September 2006.

- *Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry SW-846 Method 8260B*, SOP No. HW-24 Revision #2, USEPA Hazardous Waste Support Branch, October 2006.
- *Exhibit E of New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP)*, NYSDEC June 2005.

1.3.1 Organic Parameters

The validation of organic parameters for this project followed the requirements presented in the analytical methodology and the data validation guidelines presented above. The following QA/QC parameters were evaluated:

Volatile Organics Analysis

1. Holding Times
2. GC/MS Instrument Tuning Criteria
3. Calibration
 - a. Initial Calibration
 - b. Continuing Calibration
4. Blank Analysis
5. Surrogate Recovery
6. Matrix Spike / Matrix Spike Duplicate Analysis
7. Reference Standard Analysis
8. Internal Standards Recovery
9. Compound Identification and Quantification
10. Field Duplicate Analysis
11. System Performance
12. Documentation Completeness
13. Overall Data Assessment

1.4 Data Qualifiers

The following qualifiers as specified in the guidance documents presented in Section 1.3 of this report have been used for this data validation.

- U Indicates that the compound was analyzed for, but was not detected. The sample quantification limit is presented and adjusted for dilution. This qualifier is also used to signify that the detection limit of an analyte was raised due to blank contamination.
- J Indicates that the result should be considered approximate. This qualifier is used when the data validation procedure identifies a deficiency in the data generation process.
- UJ Indicates that the detection limit for the analyte in this sample should be considered approximate. This qualifier is used when the data validation process identifies a deficiency in the data generation process.

- R Indicates that the previously reported detection limit or sample result has been rejected due to a major deficiency in the data generation procedure. The data are considered to be unusable for both qualitative and quantitative purposes.

The following sections of this document present a summary of the data validation process. Section 2 discusses data compliance with established QA/QC criteria and qualifications performed on the sample data. A discussion of the Precision, Accuracy, Representativeness, Comparability, and Completeness (PARCC) of the data and data usability are discussed in Section 3. The USEPA Region II Data Validation Checklist is presented in Appendix A.

SECTION 2 - DATA VALIDATION SUMMARY

This section presents a discussion of QA/QC parameter compliance with established criteria and the qualification of data performed when QA/QC parameter deviations were identified. When several deviations from established QA/QC criteria were observed, the final qualifier assigned to the data was based on the cumulative effect of the deviations.

2.1 Volatile Organics Analysis

Data validation was performed for twelve groundwater samples and one trip blank sample. The QA/QC parameters presented in Section 1.3.1 of this report were found to be within specified limits without exception. The overall data assessment is summarized below.

Continuing Calibration

The continuing calibration percent difference (%D) limit, which requires the %D to be less than 25 percent, was exceeded for several compounds. Sample qualification included the approximation (J, UJ) of results when %D criteria were exceeded, but were less than 90 percent. Samples requiring qualification due to these deviations are tabulated below.

Table 2: Volatile Organics Analysis - Continuing Calibration Deviations

Date Analyzed	Compound	%D	Qualifier	Affected Samples
07/01/2014 (11:23) HP5973G	Dichlorodifluoromethane	-31.9 %	UJ	AZMW-1
	1,1,2-Trichloro-1,2,2-trifluoromethane	-36.0 %	UJ	AZMW-2
	Cyclohexane	-31.2 %	UJ	AZMW-3
	Methylcyclohexane	-30.7 %	UJ	AZMW-4
	Bromomethane	29.6 %	UJ	AZMW-5
	Bromoform	-27.1 %	UJ	AZMW-6
	1,2-Dibromo-3-dichloropropane	-29.9 %	UJ	AZMW-7
				AZMW-8
07/02/2014 (09:59) HP5973G				MW-X DUP1
				MW-X2 DUP2
				Trip Blank
	Dichlorodifluoromethane	-33.5 %	UJ	MW-6
				MW-7

Overall Data Assessment

Overall, the laboratory performed volatile organic analyses in accordance with the requirements specified in the methods listed in Section 1.2. These data were determined to be usable for qualitative and quantitative purposes as reported by the laboratory.

SECTION 3 - DATA USABILITY and PARCC EVALUATION

3.1 Data Usability

This section presents a summary of the usability of the analytical data and an evaluation of the PARCC parameters. Data usability was calculated as the percentage of data that was not qualified as rejected based on a significant deviation from established QA/QC criteria. Data usability which was calculated separately for each type of analysis is tabulated below.

Table 3: Data Usability and PARCC Evaluation - Data Usability

Parameter	Usability	Deviations
Volatile Organics	100 %	None resulting in the qualification of data

3.2 PARCC Evaluation

The following sections provide an evaluation of the analytical data with respect to the precision, accuracy, representativeness, comparability, and completeness (PARCC) parameters.

3.2.1 Precision

Precision is measured through field duplicate samples, split samples, and laboratory duplicate samples. For this sampling program, none of the data were qualified for laboratory duplicate criteria deviations and none of the data were qualified for field duplicate criteria deviations.

3.2.2 Accuracy

Matrix spike sample, surrogate recovery, internal standard recovery, laboratory control samples, and calibration criteria indicate the accuracy of the data. For this sampling program, none of the analytical data were qualified for deviations from matrix spike recovery criteria; none of the data were qualified for surrogate recovery criteria deviations; none of the data were qualified for internal standard recovery criteria deviations; none of the data were qualified for laboratory control sample deviations; and 7.15 percent of the data were qualified for calibration criteria deviations.

3.2.3 Representativeness

Holding times, sample preservation, and blank analysis are indicators of the representativeness of the analytical data. For this investigation, none of the analytical data required qualification for holding time deviations and none of the analytical data required qualification for blank analysis deviations.

3.2.4 Comparability

Comparability is not compromised provided that the analytical methods did not change over time. A major component of comparability is the use of standard reference materials for calibration and QC. These standards are compared to other unknowns to verify their concentrations. Since standard analytical methods and reporting procedures

were consistently used by the laboratory, the comparability criteria for the analytical data were met.

3.2.5 Completeness

The percent usability or completeness of the data was determined to be 100 percent.

APPENDIX A

DATA VALIDATION CHECKLISTS

Table of Contents

	<u>Page</u>
I. Part A: SW-846 Method 8260B VOA Analyses	2

Data Validation Checklist - Part A: SW-846 Method 8260B VOA Analysis

No:	Parameter	YES	NO	N/A
1.0	<u>Traffic Reports and Laboratory Narrative</u>			
1.1	Are the traffic Report Forms present for all samples?	X		
1.2	Do the Traffic Reports or Lab Narrative indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data?		X	
2.0	<u>Holding Times</u>			
2.1	Have any VOA technical holding times, determined from date of collection to date of analysis, been exceeded?		X	
3.0	<u>System Monitoring Compound (SMC) Recovery (Form II)</u>			
3.1	Are the VOA SMC Recovery Summaries (FORM II) present for each of the following matrices:			
	a. Low Water	X		
	b. Low Soil			X
	c. Air			X
3.2	Are all the VOA samples listed on the appropriate System Monitoring Compound Recovery Summary for each of the following matrices:			
	a. Low Water	X		
	b. Low Soil			X
	c. Air			X
3.3	Were outliers marked correctly with an asterisk?			X
3.4	Was one or more VOA system monitoring compound recovery outside of contract specifications for any sample or method blank?		X	
	If yes, were samples re-analyzed?			X
	Were method blanks re-analyzed?			X
3.5	Are there any transcription/calculation errors between raw data and Form II?		X	
4.0	<u>Matrix Spikes (Form III)</u>			
4.1	Is the Matrix Spike/Matrix Spike Duplicate Recovery Form (Form III) present?	X		
4.2	Were matrix spikes analyzed at the required frequency for each of the following matrices?			
	a. Low Water	X		
	b. Low Soil			X
	c. Air			X
4.3	How many VOA spike recoveries are outside QC limits?			
	Water <u> 0 </u> out of 26 Soils <u> 0 </u> out of 0			
4.4	How many RPD's for matrix spike and matrix spike duplicate recoveries are outside QC limits?			

Data Validation Checklist - Part A: SW-846 Method 8260B VOA Analysis

No:	Parameter	YES	NO	N/A
	Water <u>0</u> out of 13 Soils <u>0</u> out of 0			
5.0	<u>Blanks (Form IV)</u>			
5.1	Is the Method Blank Summary (Form IV) present?	<u>X</u>	<u> </u>	<u> </u>
5.2	Frequency of Analysis: for the analysis of VOA TCL compounds, has a reagent/method blank been analyzed for each SDG or every 20 samples of similar matrix (low water, low soil, medium soil), whichever is more frequent?	<u>X</u>	<u> </u>	<u> </u>
5.3	Has a VOA method/instrument blank been analyzed at least once every twelve hours for each concentration level and GC/MS system used?	<u>X</u>	<u> </u>	<u> </u>
5.4	Is the chromatographic performance (baseline stability) for each instrument acceptable for VOAs?	<u>X</u>	<u> </u>	<u> </u>
6.0	<u>Contamination</u>			
6.1	Do any method/instrument/reagent blanks have positive results (TCL and/or TIC) for VOAs?	<u> </u>	<u>X</u>	<u> </u>
6.2	Do any field/trip/rinse blanks have positive VOA results (TCL and/or TIC)?	<u> </u>	<u>X</u>	<u> </u>
6.3	Are there field/rinse/equipment blanks associated with every sample?	<u> </u>	<u>X</u>	<u> </u>
7.0	<u>GC/MS Instrument Performance Check (Form V)</u>			
7.1	Are the GC/MS Instrument Performance Check Forms (Form V) present for Bromofluorobenzene (BFB)?	<u>X</u>	<u> </u>	<u> </u>
7.2	Are the enhanced bar graph spectrum and mass/charge (m/z) listing for the BFB provided for each twelve hour shift?	<u>X</u>	<u> </u>	<u> </u>
7.3	Has an instrument performance compound been analyzed for every twelve hours of sample analysis per instrument?	<u>X</u>	<u> </u>	<u> </u>
7.4	Have the ion abundances been normalized to m/z 95?	<u>X</u>	<u> </u>	<u> </u>
7.5	Have the ion abundance criteria been met for each instrument used?	<u>X</u>	<u> </u>	<u> </u>
7.6	Are there any transcription/calculation errors between mass lists and Form V's?	<u> </u>	<u>X</u>	<u> </u>
7.7	Have the appropriate number of significant figures (two) been reported?	<u>X</u>	<u> </u>	<u> </u>
7.8	Are the spectra of the mass calibration compound acceptable?	<u>X</u>	<u> </u>	<u> </u>
8.0	<u>Target Compound List (TCL) Analytes</u>			
8.1	Are the Organic Analysis Data Sheets (Form I VOA) present with required header information on each page, for each of the following:			
	a. Sample and/or fractions as appropriate?	<u>X</u>	<u> </u>	<u> </u>
	b. Matrix spikes and matrix spike duplicates?	<u> </u>	<u> </u>	<u>X</u>
	c. Blanks?	<u>X</u>	<u> </u>	<u> </u>
8.2	Are the VOA Reconstructed Ion Chromatograms, the mass spectra for the identified compounds, and the data system printouts (Quant Reports) included in the sample package for each of the following?			
	a. Samples and/or fractions as appropriate?	<u>X</u>	<u> </u>	<u> </u>
	b. Matrix spikes and matrix spike duplicates (Mass spectra not required)?	<u> </u>	<u> </u>	<u>X</u>
	c. Blanks?	<u>X</u>	<u> </u>	<u> </u>

Data Validation Checklist - Part A: SW-846 Method 8260B VOA Analysis

No:	Parameter	YES	NO	N/A
8.3	Are the response factors shown in the Quant Report?	<u>X</u>	<u> </u>	<u> </u>
8.4	Is the chromatographic performance acceptable with respect to:			
	Baseline stability?	<u>X</u>	<u> </u>	<u> </u>
	Resolution?	<u>X</u>	<u> </u>	<u> </u>
	Peak shape?	<u>X</u>	<u> </u>	<u> </u>
	Full-scale graph (attenuation)?	<u>X</u>	<u> </u>	<u> </u>
	Other:	<u> </u>	<u> </u>	<u> </u>
8.5	Are the lab-generated standard mass spectra of the identified VOA compounds present for each sample?	<u>X</u>	<u> </u>	<u> </u>
8.6	Is the RRT of each reported compound within 0.06 RRT units of the standard RRT in the continuing calibration?	<u>X</u>	<u> </u>	<u> </u>
8.7	Are all ions in the standard mass spectrum at a relative intensity greater than 10% also present in the sample mass spectrum?	<u>X</u>	<u> </u>	<u> </u>
8.8	Do sample and standard relative ion intensities agree within 20%?	<u>X</u>	<u> </u>	<u> </u>
9.0	<u>Tentatively Identified Compounds (TIC)</u>			
9.1	Are all Tentatively Identified Compound Forms (Form I Part B) present; and do listed TICs include scan number or retention time, estimated concentration and "JN" qualifier?	<u> </u>	<u> </u>	<u>X</u>
9.2	Are the mass spectra for the tentatively identified compounds and associated "best match" spectra included in the sample package for each of the following:			
	a. Samples and/or fractions as appropriate?	<u> </u>	<u> </u>	<u>X</u>
	b. Blanks?	<u> </u>	<u> </u>	<u>X</u>
9.3	Are any TCL compounds (from any fraction) listed as TIC compounds?	<u> </u>	<u> </u>	<u>X</u>
9.4	Are all ions present in the reference mass spectrum with a relative intensity greater than 10% also present in the sample mass spectrum?	<u> </u>	<u> </u>	<u>X</u>
9.5	Do TIC and "best match" standard relative ion intensities agree within 20%?	<u> </u>	<u> </u>	<u>X</u>
10.0	<u>Compound Quantitation and Reported Detection Limits</u>			
10.1	Are there any transcription/calculation errors in Form I results?	<u> </u>	<u>X</u>	<u> </u>
10.2	Are the CRQLs adjusted to reflect sample dilutions and, for soils, sample moisture?	<u>X</u>	<u> </u>	<u> </u>
11.0	<u>Standards Data (GC/MS)</u>			
11.1	Are the Reconstructed Ion Chromatograms, and data system printouts present for initial and continuing calibration?	<u>X</u>	<u> </u>	<u> </u>
12.0	<u>GC/MS Initial Calibration (Form VI)</u>			
12.1	Are the Initial Calibration Forms (Form VI) present and complete for the volatile fraction at concentrations of 10, 20, 50, 100, 200 ug/L? Are there separate calibrations for low/med soils and low soil samples?	<u>X</u>	<u> </u>	<u> </u>
12.2	Were all low level soil standards, blanks, and samples analyzed by heated purge?	<u> </u>	<u> </u>	<u>X</u>
12.3	Are the response factors stable for VOA's over the concentration range of the calibration (%Relative Standard Deviation (%RSD) <30%)	<u>X</u>	<u> </u>	<u> </u>

Data Validation Checklist - Part A: SW-846 Method 8260B VOA Analysis

No:	Parameter	YES	NO	N/A
12.4	Are the RRFs above 0.01?	<u>X</u>	<u> </u>	<u> </u>
12.5	Are there any transcription/calculation errors in the reporting of average response factors (RRF) or %RSD?	<u> </u>	<u>X</u>	<u> </u>
13.0	<u>GC/MS Continuing Calibration (Form VII)</u>			
13.1	Are the Continuing Calibration Forms (Form VII) present and complete for the volatile fraction?	<u>X</u>	<u> </u>	<u> </u>
13.2	Has a continuing calibration standard been analyzed for every twelve hours of sample analysis per instrument?	<u>X</u>	<u> </u>	<u> </u>
13.3	Do any volatile compounds have a %Difference (%D) between the initial and continuing RRF which exceeds the +/- 25% criteria?	<u>X</u>	<u> </u>	<u> </u>
13.4	Do any volatile compounds have a RRF <0.01?	<u> </u>	<u>X</u>	<u> </u>
13.5	Are there any transcription/calculation errors in the reporting of average response factor (RRF) or %difference (%D) between initial and continuing RRFs?	<u> </u>	<u>X</u>	<u> </u>
14.0	<u>Internal Standard (Form VIII)</u>			
14.1	Are the internal standard areas (Form VIII) of every sample and blank within the upper and lower limits (-50% to +100%) for each continuing calibration?	<u>X</u>	<u> </u>	<u> </u>
14.2	Are the retention times of the internal standards within 30 seconds of the associated calibration standard?	<u>X</u>	<u> </u>	<u> </u>
15.0	<u>Field Duplicates</u>			
15.1	Were any field duplicates submitted for VOA analysis?	<u>X</u>	<u> </u>	<u> </u>